

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050918\
 Data File : VX001588.D
 Acq On : 10 May 2018 06:27
 Operator : JC/MD
 Sample : VX0509WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD02

Manual Integrations
 APPROVED

MMDadoda
 5/10/2018 1:52:02 PM

Quant Time: May 10 08:37:16 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	229024	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	304311	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	288960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	199148	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	164727	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
35) Dibromofluoromethane	5.51	113	132596	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
50) Toluene-d8	8.72	98	468889	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	
62) 4-Bromofluorobenzene	11.14	95	175847	46.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	62971	20.43	ug/l	99
3) Chloromethane	1.32	50	60721	20.22	ug/l	99
4) Vinyl Chloride	1.40	62	64412	20.55	ug/l	98
5) Bromomethane	1.64	94	35539	22.91	ug/l	96
6) Chloroethane	1.73	64	42375	20.46	ug/l	96
7) Trichlorofluoromethane	1.93	101	98769	20.94	ug/l	100
8) Diethyl Ether	2.19	74	40329	21.82	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	57134	20.66	ug/l	100
10) Methyl Iodide	2.51	142	68386	17.14	ug/l	99
11) Tert butyl alcohol	3.08	59	82965	119.54	ug/l	99
12) 1,1-Dichloroethene	2.37	96	53955	21.29	ug/l	99
13) Acrolein	2.30	56	11233	73.88	ug/l	98
14) Allyl chloride	2.73	41	94882	20.08	ug/l	98
15) Acrylonitrile	3.15	53	177919	113.45	ug/l	100
16) Acetone	2.45	43	161201	107.85	ug/l	99
17) Carbon Disulfide	2.57	76	114104	17.69	ug/l	99
18) Methyl Acetate	2.78	43	97628	24.86	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	195952	22.21	ug/l	100
20) Methylene Chloride	2.86	84	62831	21.23	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	55680	19.69	ug/l	98
22) Diisopropyl ether	3.88	45	191978	21.75	ug/l	99
23) Vinyl Acetate	3.83	43	770843	104.77	ug/l	98
24) 1,1-Dichloroethane	3.70	63	103060	20.90	ug/l	99
25) 2-Butanone	4.71	43	239231	110.72	ug/l	98
26) 2,2-Dichloropropane	4.59	77	47080	12.36	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	63936	21.23	ug/l	94
28) Bromochloromethane	5.02	49	50353	23.55	ug/l	95
29) Tetrahydrofuran	5.18	42	151928	109.90	ug/l	99
30) Chloroform	5.22	83	112755	22.20	ug/l	99
31) Cyclohexane	5.58	56	86733	20.48	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	96351	21.70	ug/l	99
36) 1,1-Dichloropropene	5.81	75	76285	19.71	ug/l	99
37) Ethyl Acetate	4.87	43	91501	21.56	ug/l	100
38) Carbon Tetrachloride	5.79	117	83919	20.33	ug/l	96

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
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Manual Integrations
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 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	86683	18.94	ug/l	96
40) Benzene	6.15	78	240480	21.27	ug/l	100
41) Methacrylonitrile	5.07	41	51930	21.39	ug/l	99
42) 1,2-Dichloroethane	6.20	62	95183	21.90	ug/l	100
43) Isopropyl Acetate	6.48	43	138529	21.27	ug/l	100
44) Trichloroethene	7.22	130	71139	20.59	ug/l	96
45) 1,2-Dichloropropane	7.52	63	60177	21.35	ug/l	98
46) Dibromomethane	7.67	93	42527	21.31	ug/l	99
47) Bromodichloromethane	7.90	83	76587	20.74	ug/l	99
48) Methyl methacrylate	7.79	41	74177	20.91	ug/l	99
49) 1,4-Dioxane	7.76	88	33698	439.74	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	484099	111.84	ug/l	98
52) Toluene	8.79	92	157029	21.24	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	80832	19.37	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	71421	18.07	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	64260	21.58	ug/l	98
56) Ethyl methacrylate	9.19	69	89252	20.79	ug/l	100
57) 1,3-Dichloropropane	9.38	76	106286	21.58	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	236588	112.35	ug/l	99
59) 2-Hexanone	9.50	43	358507	108.16	ug/l	99
60) Dibromochloromethane	9.59	129	61072	20.02	ug/l	99
61) 1,2-Dibromoethane	9.68	107	66956	21.41	ug/l	100
64) Tetrachloroethene	9.34	164	87306	21.68	ug/l	99
65) Chlorobenzene	10.14	112	175700	20.73	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	63832	21.06	ug/l	99
67) Ethyl Benzene	10.26	91	283537	20.41	ug/l	100
68) m/p-Xylenes	10.37	106	225658	41.12	ug/l	99
69) o-Xylene	10.70	106	110115	20.64	ug/l	97
70) Styrene	10.72	104	179923	20.76	ug/l	100
71) Bromoform	10.86	173	46838	18.49	ug/l	99
73) Isopropylbenzene	11.02	105	296241	21.49	ug/l	99
74) N-amyl acetate	6.48	43	138529	22.12	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	90171	22.14	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	87417m	21.64	ug/l	
77) Bromobenzene	11.26	156	84094	20.98	ug/l	97
78) n-propylbenzene	11.37	91	321376	21.41	ug/l	99
79) 2-Chlorotoluene	11.43	91	200777	21.73	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	247975	21.60	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	16827	16.43	ug/l	86
82) 4-Chlorotoluene	11.52	91	230793	21.66	ug/l	99
83) tert-Butylbenzene	11.77	119	238718	20.90	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	254626	21.58	ug/l	99
85) sec-Butylbenzene	11.95	105	293917	21.44	ug/l	99
86) p-Isopropyltoluene	12.07	119	265881	21.14	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	150609	21.02	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	151698	20.76	ug/l	99
89) n-Butylbenzene	12.40	91	203949	19.57	ug/l	99
90) Hexachloroethane	12.60	117	37985	20.06	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	156043	21.41	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	19317	21.59	ug/l	98

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD02

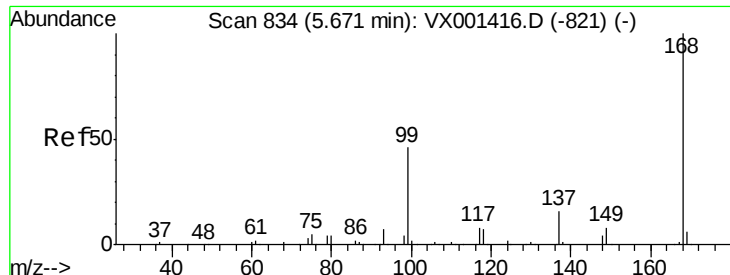
Manual Integrations
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 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	107295	20.11	ug/l	98
94) Hexachlorobutadiene	13.79	225	56869	19.48	ug/l	100
95) Naphthalene	13.84	128	323247	21.91	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	114901	20.99	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



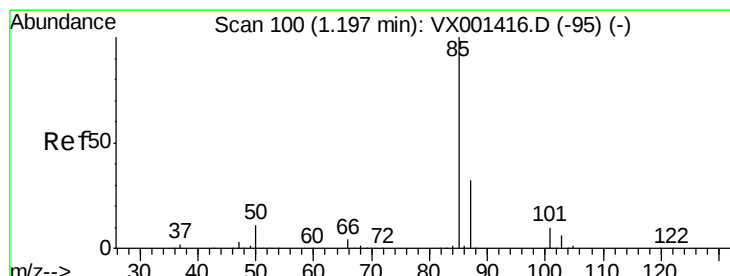
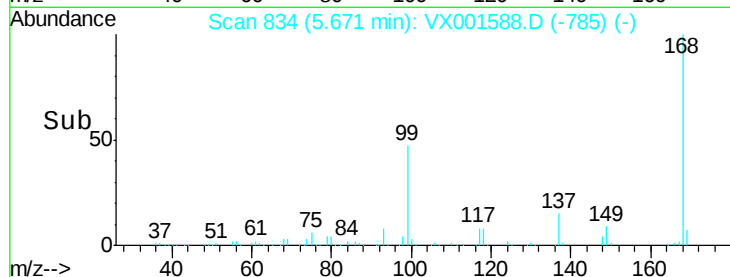
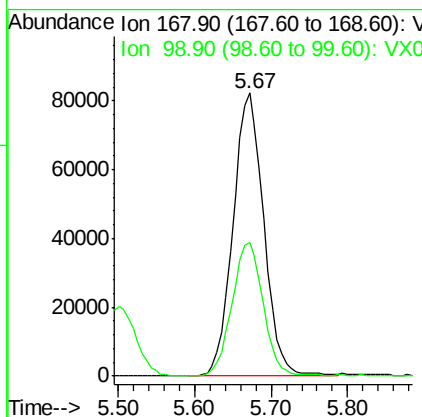
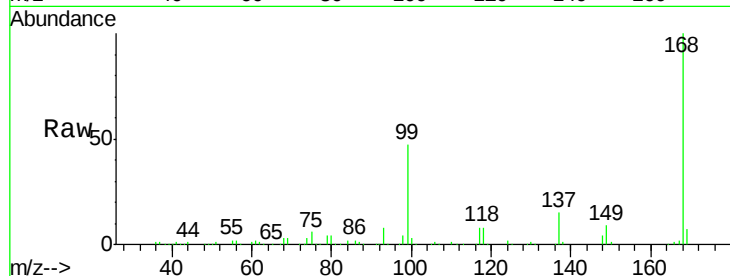
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.00 min
Lab File: VX001588.D
Acq: 10 May 2018 06:27

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD02

Tot Ion	Ratio	Lower	Upper
168	100		
99	47.0	36.6	54.8

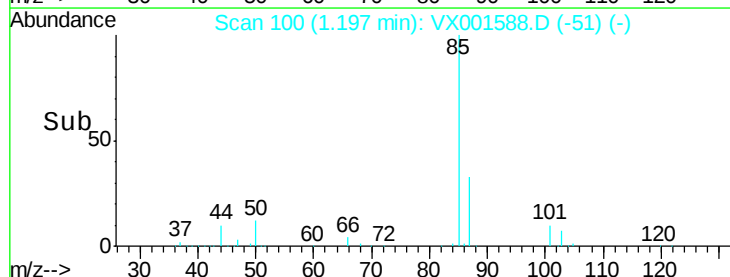
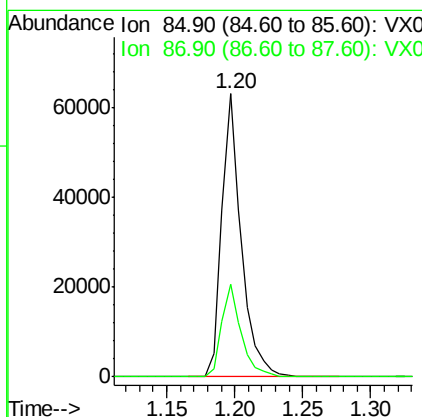
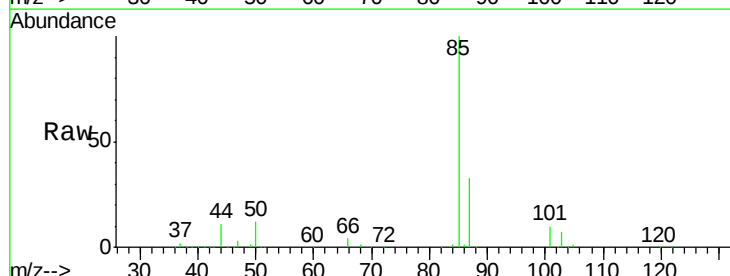
Manual Integrations
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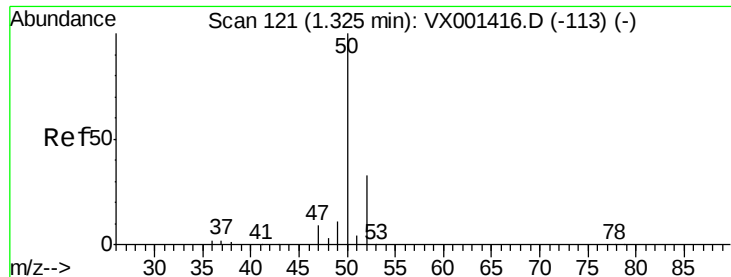
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#2
Dichlorodifluoromethane
Concen: 20.43 ug/l
RT: 1.20 min Scan# 100
Delta R.T. 0.00 min
Lab File: VX001588.D
Acq: 10 May 2018 06:27

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.2	48.6





#3

Chloromethane

Concen: 20.22 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001588.D

Acq: 10 May 2018 06:27

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD02

Tot Ion: 50 Resp: 60721

Ion Ratio Lower Upper

50 100

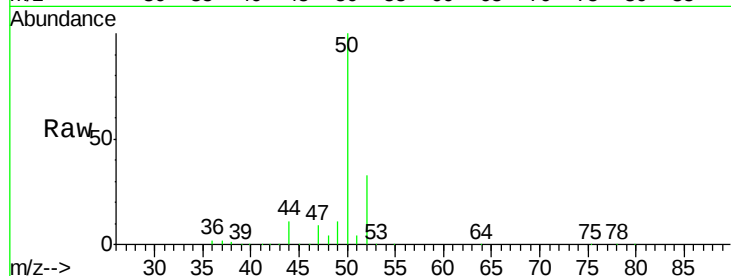
52 33.3 26.2 39.4

Manual Integrations

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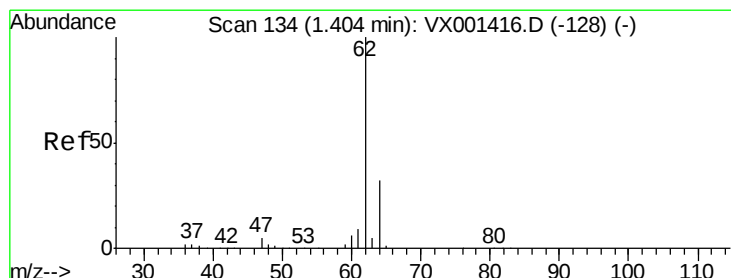
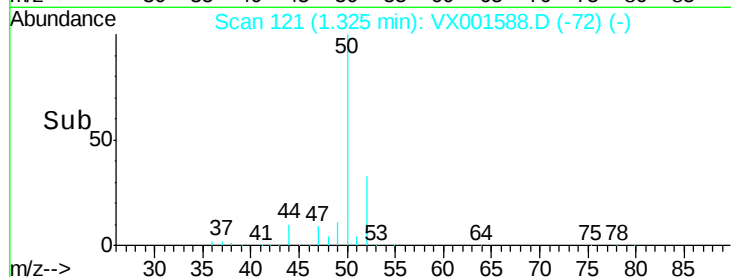
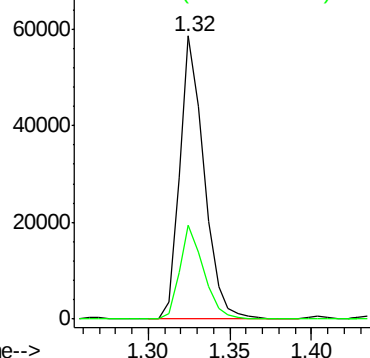
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.55 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001588.D

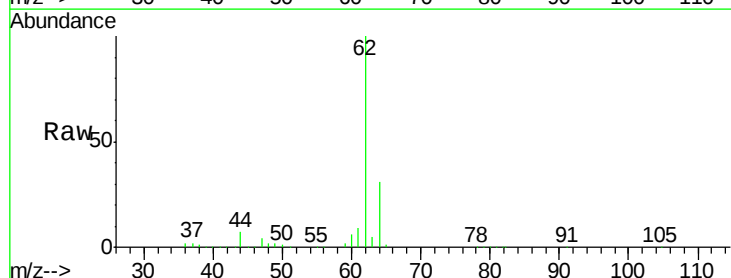
Acq: 10 May 2018 06:27

Tgt Ion: 62 Resp: 64412

Ion Ratio Lower Upper

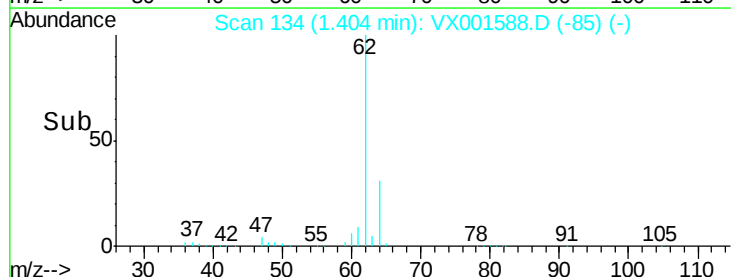
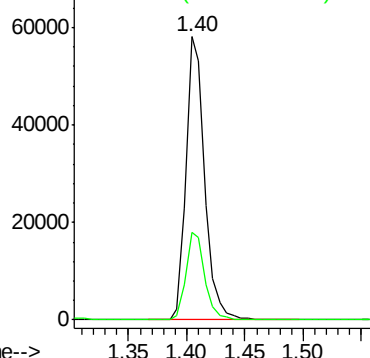
62 100

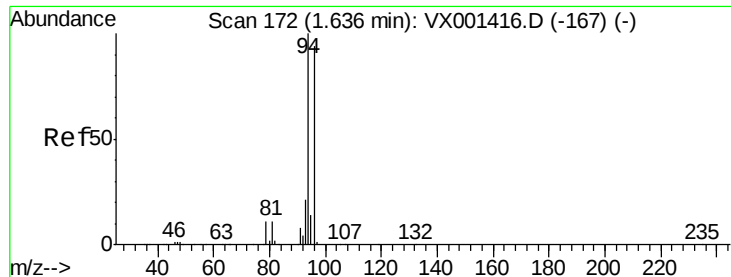
64 31.1 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 22.91 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX001588.D

Acq: 10 May 2018 06:27

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD02

Tot Ion: 94 Resp: 35539

Ion Ratio Lower Upper

94 100

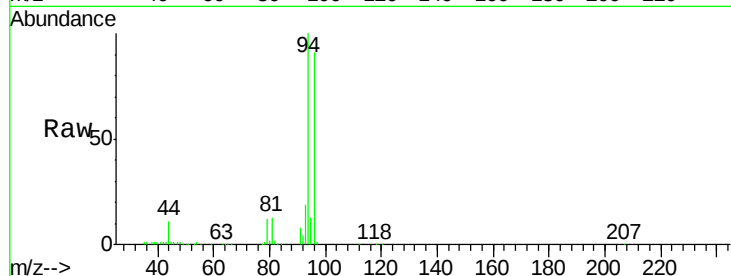
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Manual Integrations

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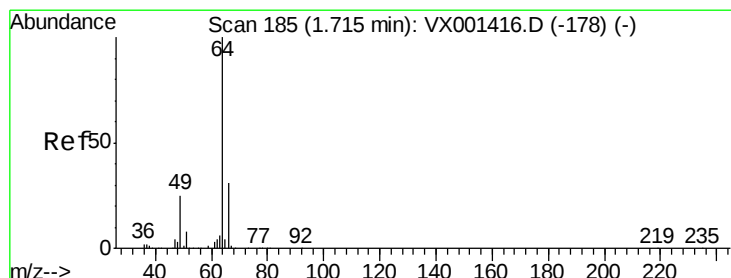
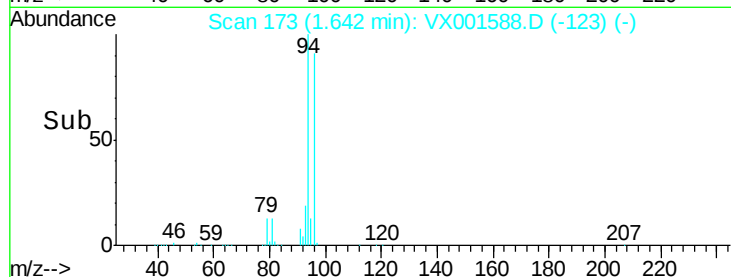
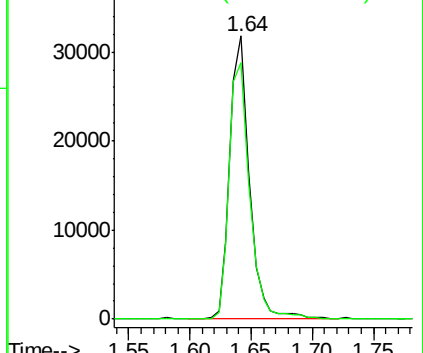
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.46 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX001588.D

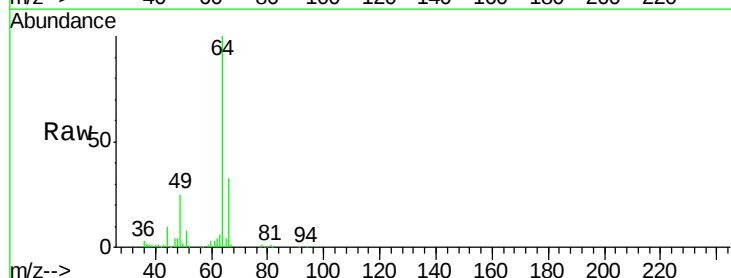
Acq: 10 May 2018 06:27

Tgt Ion: 64 Resp: 42375

Ion Ratio Lower Upper

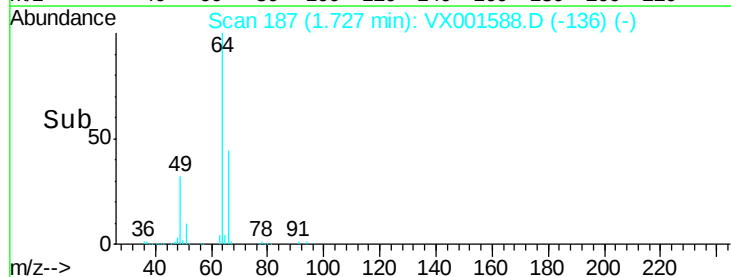
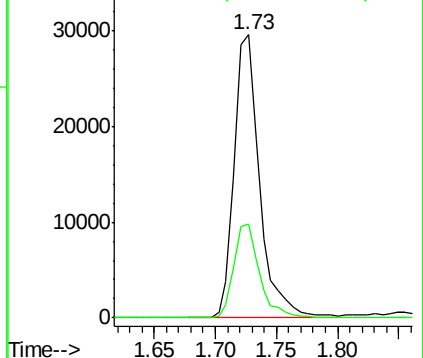
64 100

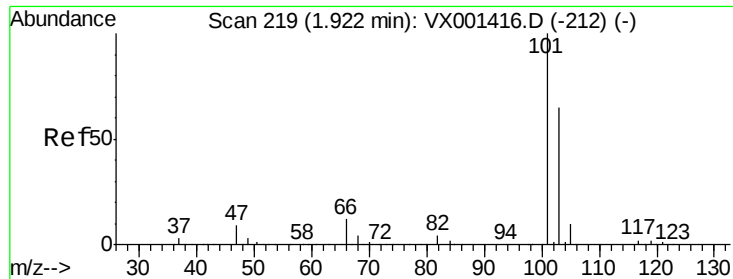
66 33.4 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

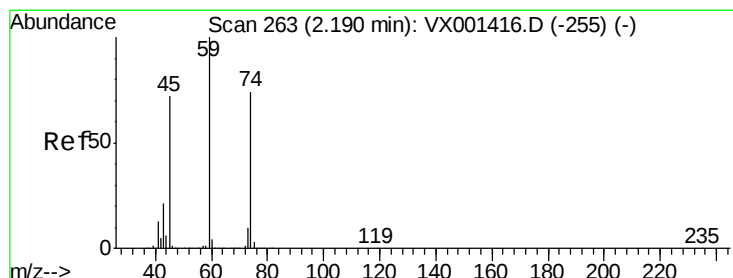
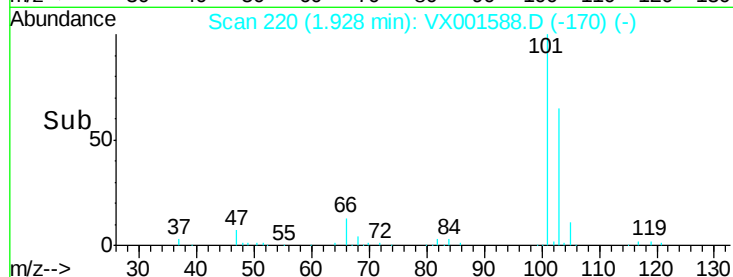
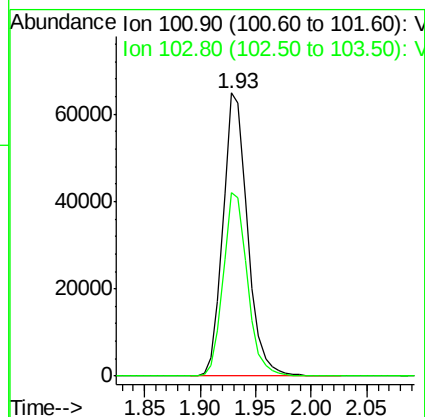
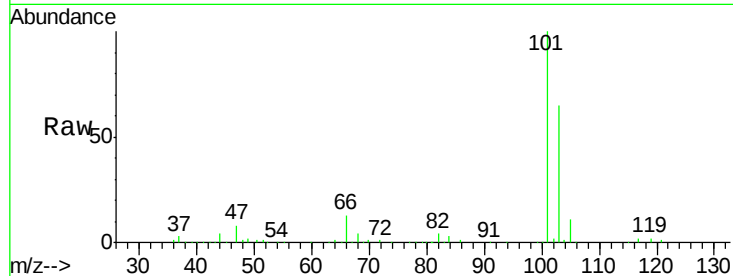
Trichlorofluoromethane
 Concen: 20.94 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX001588.D
 Acq: 10 May 2018 06:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD02

Tot Ion:101 Resp: 98769
 Ion Ratio Lower Upper
 101 100
 103 64.6 52.0 78.0

Manual Integrations
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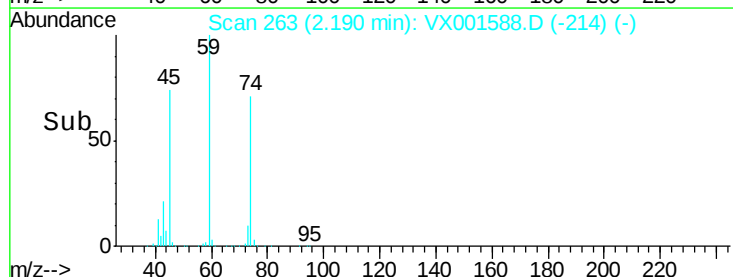
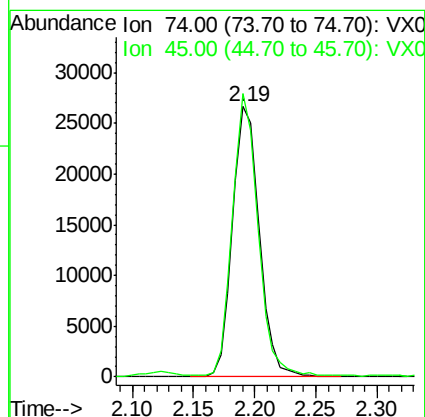
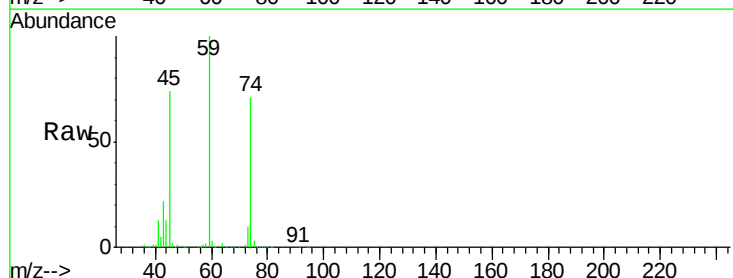
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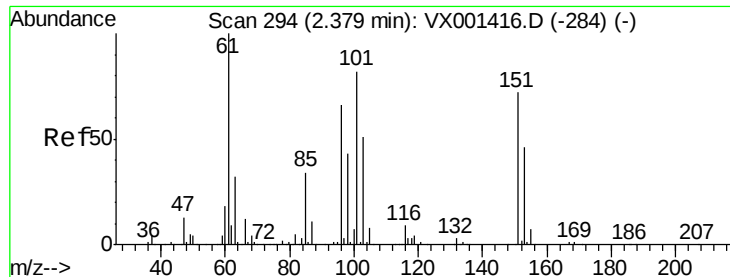


#8

Diethyl Ether
 Concen: 21.82 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX001588.D
 Acq: 10 May 2018 06:27

Tgt Ion: 74 Resp: 40329
 Ion Ratio Lower Upper
 74 100
 45 99.6 47.9 143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.66 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX001588.D

Acq: 10 May 2018 06:27

Instrument :

MSVOA_X

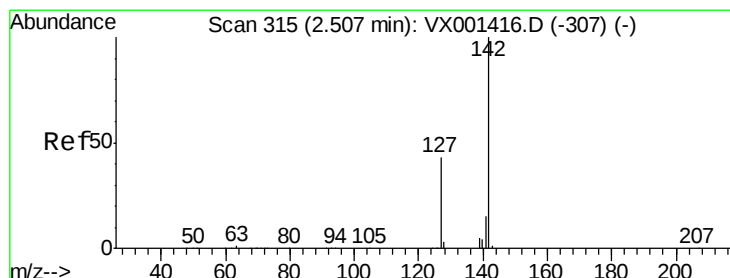
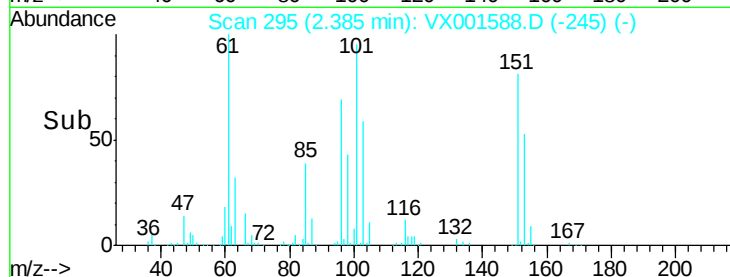
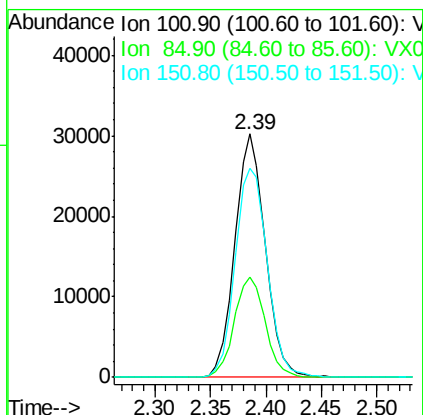
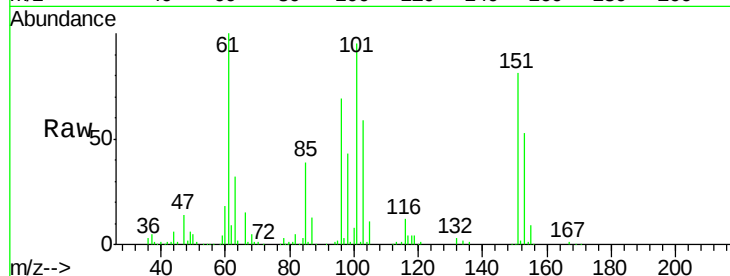
ClientSampleId :

VX0509WBSD02

Tot Ion:	101	Resp:	57134
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.7	50.5
151	90.7	72.3	108.5

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#10

Methyl Iodide

Concen: 17.14 ug/l

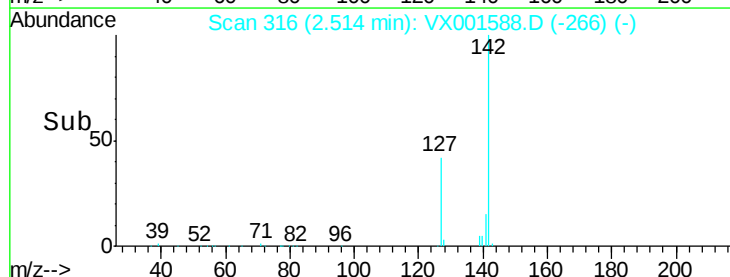
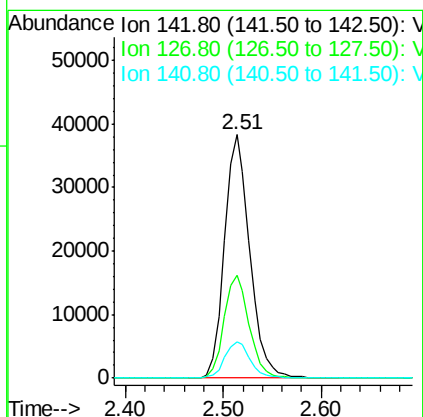
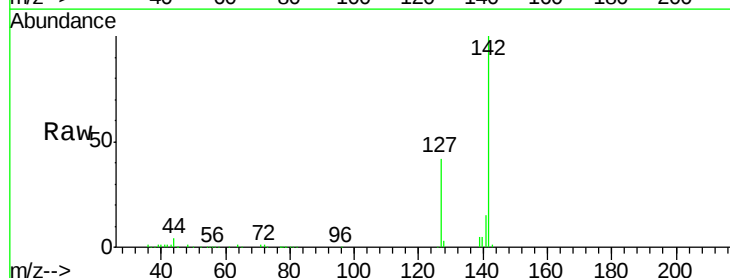
RT: 2.51 min Scan# 316

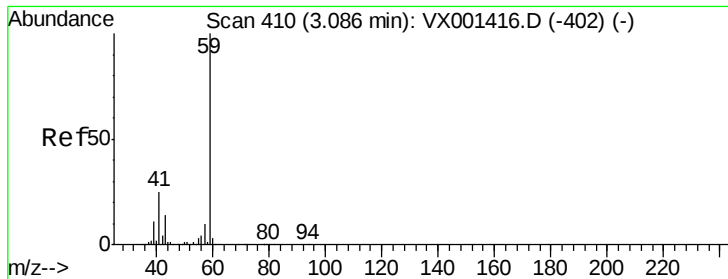
Delta R.T. 0.01 min

Lab File: VX001588.D

Acq: 10 May 2018 06:27

Tgt Ion:	142	Resp:	68386
Ion Ratio	Lower	Upper	
142	100		
127	42.2	33.6	50.4
141	14.9	11.4	17.2





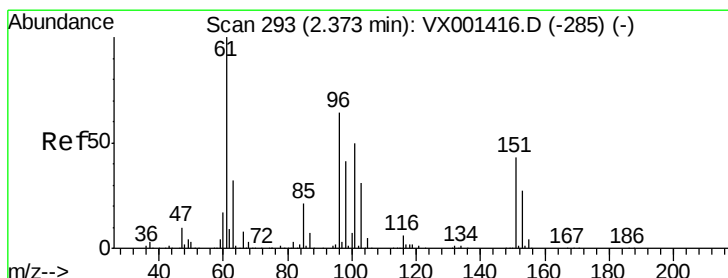
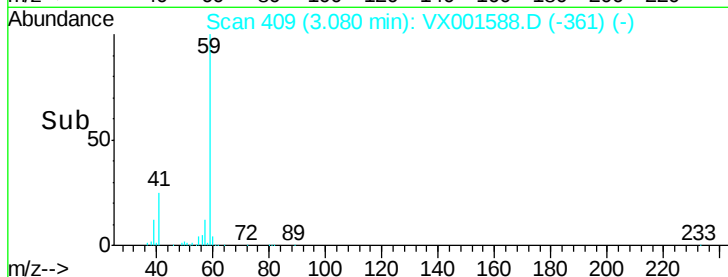
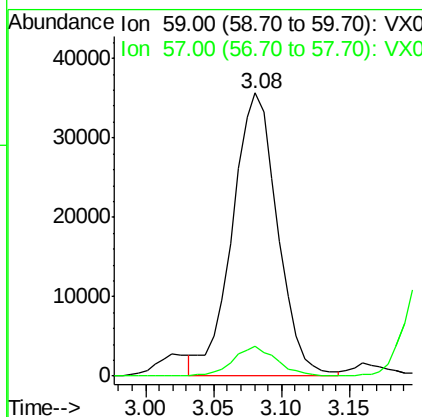
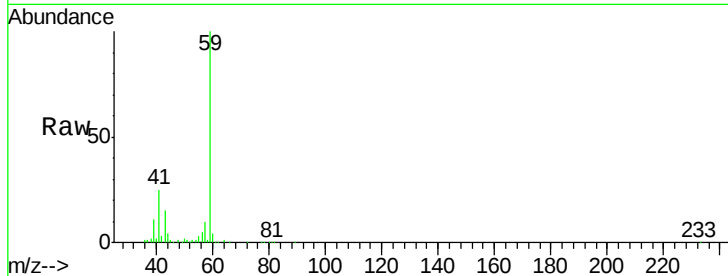
#11
Tert butyl alcohol
Concen: 119.54 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.01 min
Lab File: VX001588.D
Acq: 10 May 2018 06:27

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD02

Tot Ion	59	Resp	82965
Ion Ratio	100	Lower	Upper
57	10.5	8.2	12.4

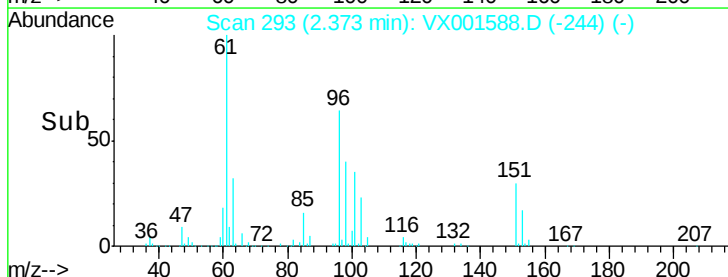
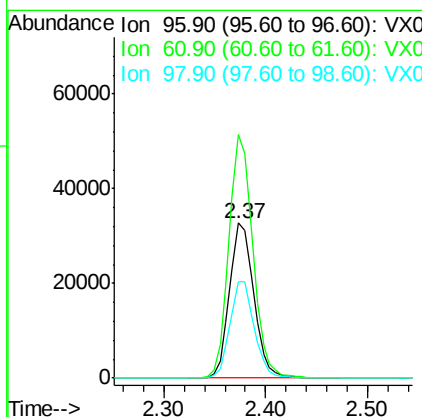
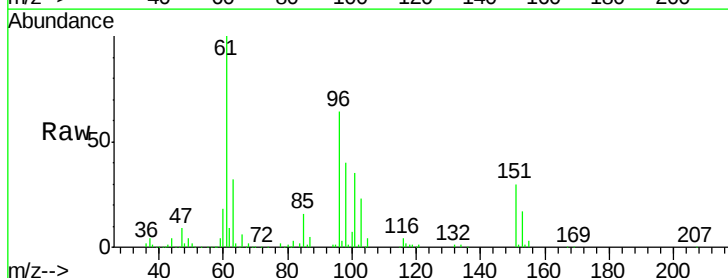
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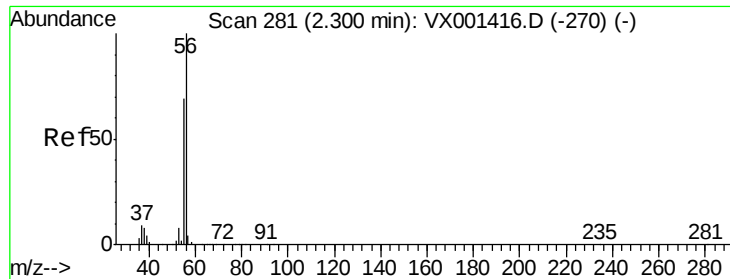
MMDadoda
5/10/2018 1:52:02 PM



#12
1,1-Dichloroethene
Concen: 21.29 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX001588.D
Acq: 10 May 2018 06:27

Tgt Ion	96	Resp	53955
Ion Ratio	100	Lower	Upper
61	157.2	125.7	188.5
98	62.1	52.0	78.0





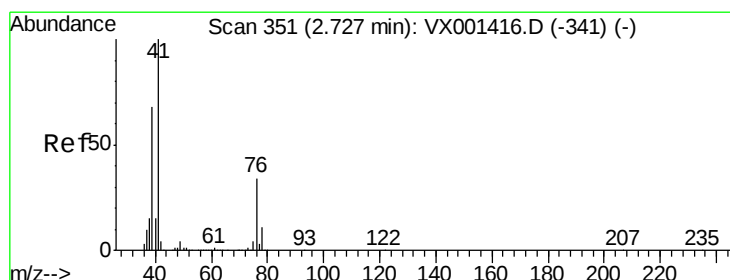
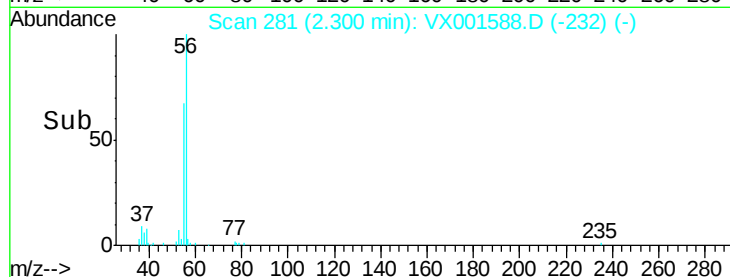
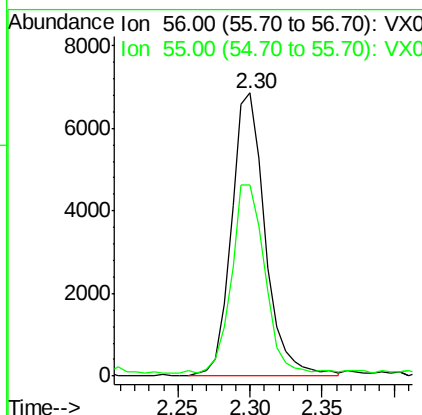
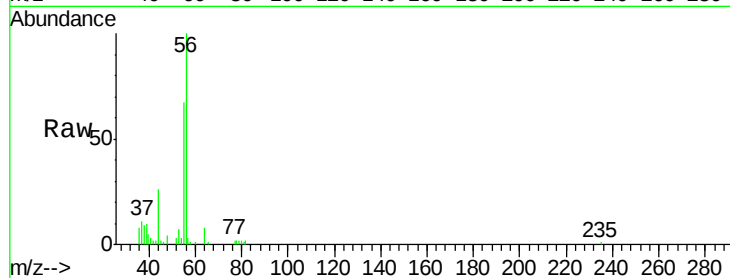
#13
Acrolein
Concen: 73.88 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.00 min
Lab File: VX001588.D
Acq: 10 May 2018 06:27

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
55	66.4	54.5	81.7

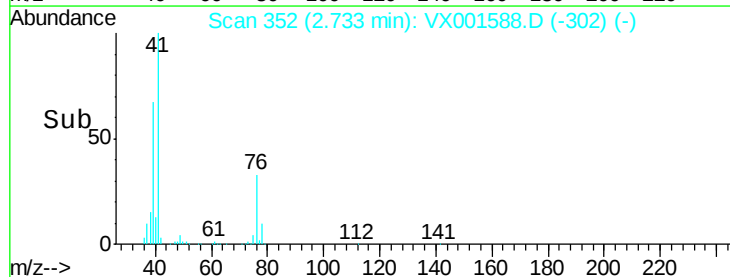
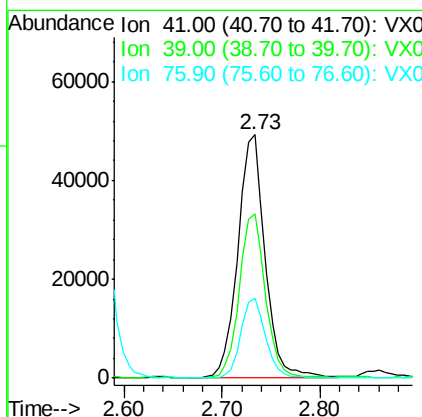
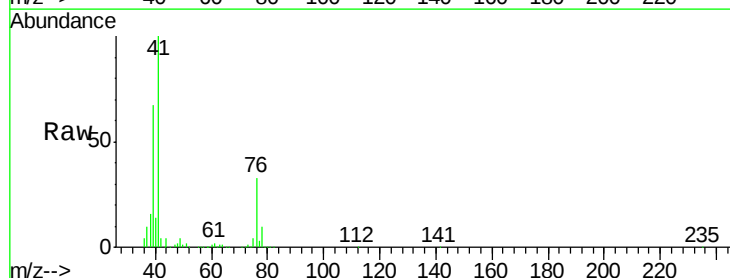
Manual Integrations
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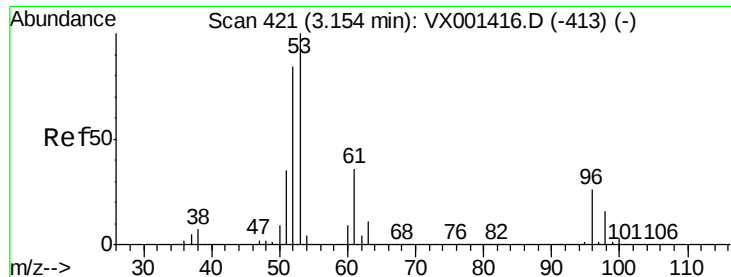
MMDadoda
5/10/2018 1:52:02 PM



#14
Allyl chloride
Concen: 20.08 ug/l
RT: 2.73 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX001588.D
Acq: 10 May 2018 06:27

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.5	52.4	78.6
76	30.1	25.8	38.6





#15

Acrylonitrile

Concen: 113.45 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001588.D

Acq: 10 May 2018 06:27

Instrument :

MSVOA_X

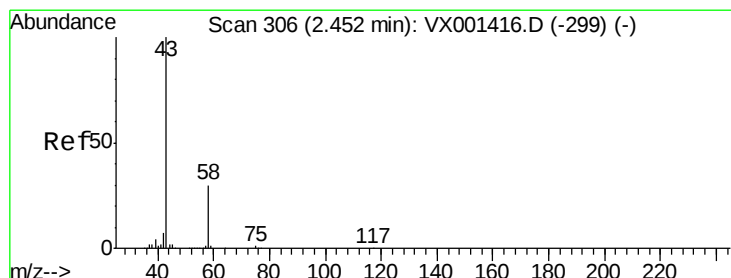
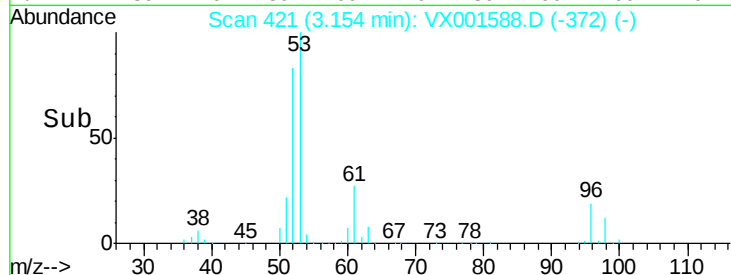
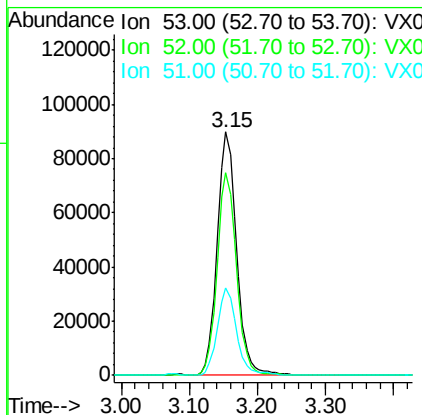
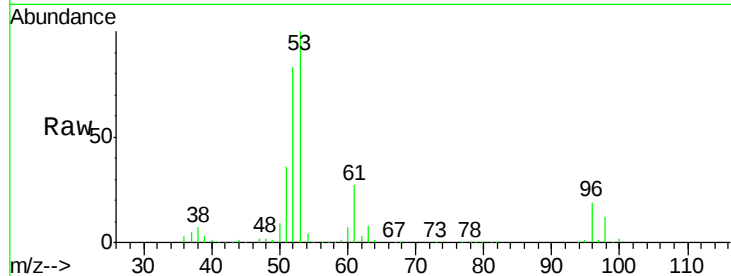
ClientSampleId :

VX0509WBSD02

Tot Ion:	53	Resp:	177919
Ion Ratio	Lower	Upper	
53	100		
52	82.8	66.2	99.2
51	36.0	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 107.85 ug/l

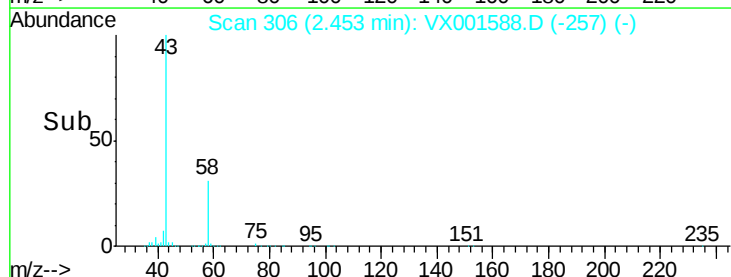
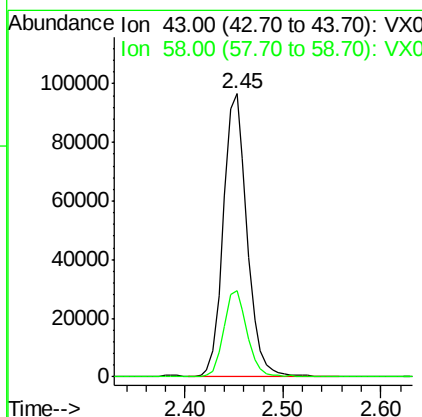
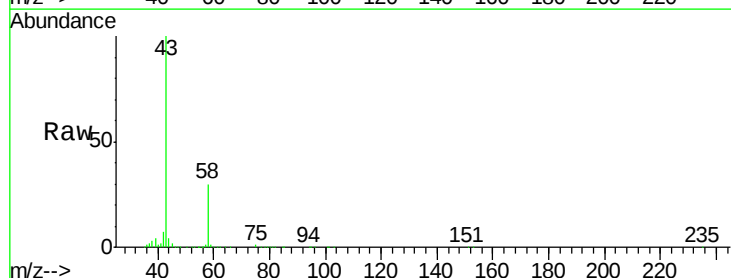
RT: 2.45 min Scan# 306

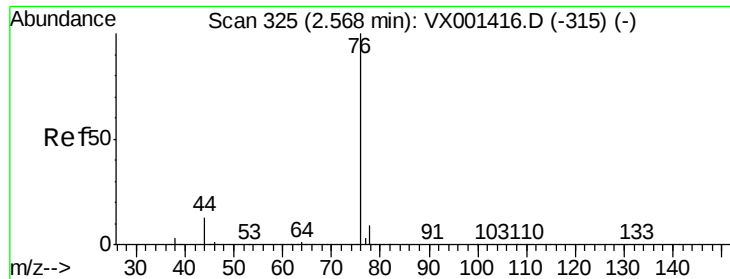
Delta R.T. 0.00 min

Lab File: VX001588.D

Acq: 10 May 2018 06:27

Tgt Ion:	43	Resp:	161201
Ion Ratio	Lower	Upper	
43	100		
58	30.5	23.8	35.8





#17

Carbon Disulfide

Concen: 17.69 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX001588.D

Acq: 10 May 2018 06:27

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD02

Tot Ion: 76 Resp: 114104

Ion Ratio Lower Upper

76 100

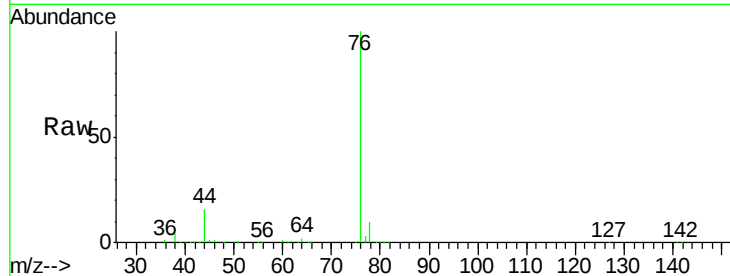
78 9.6 7.4 11.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

60000

40000

20000

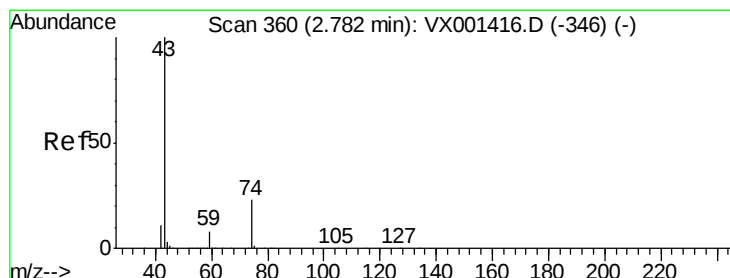
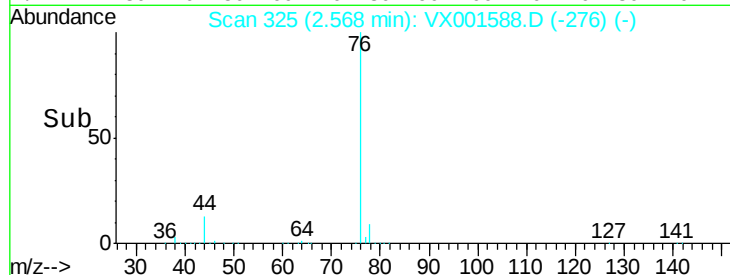
0

Time-->

2.50

2.60

2.70



#18

Methyl Acetate

Concen: 24.86 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001588.D

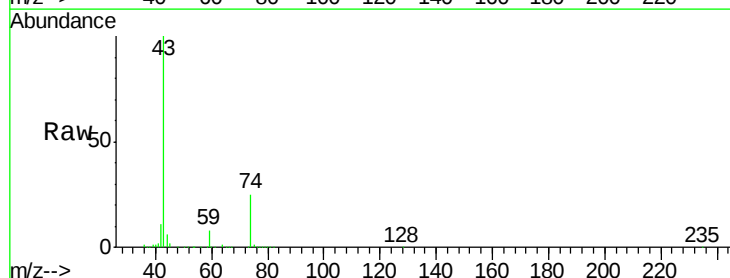
Acq: 10 May 2018 06:27

Tgt Ion: 43 Resp: 97628

Ion Ratio Lower Upper

43 100

74 24.0 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

60000

50000

40000

30000

20000

10000

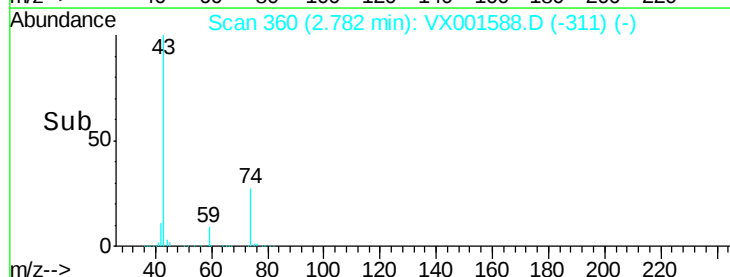
0

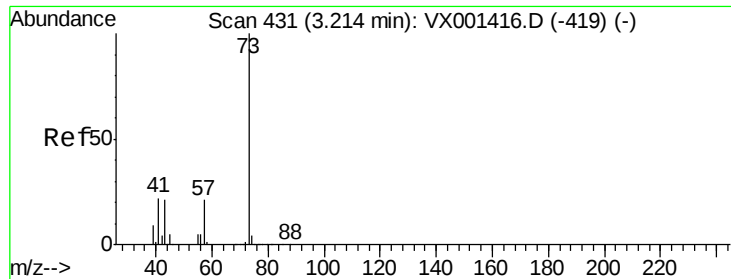
Time-->

2.70

2.80

2.90





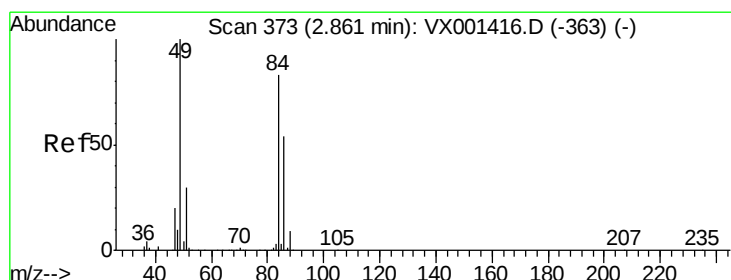
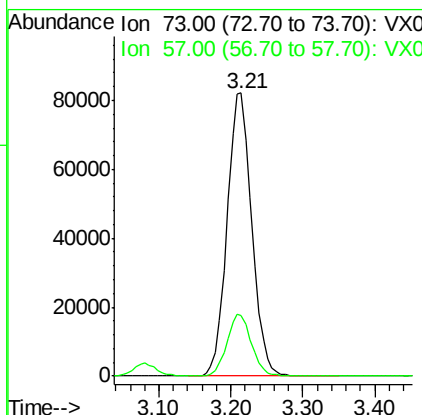
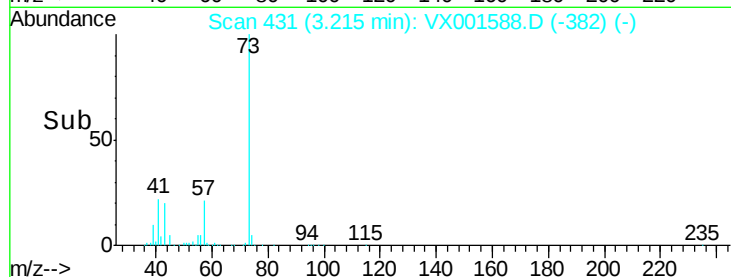
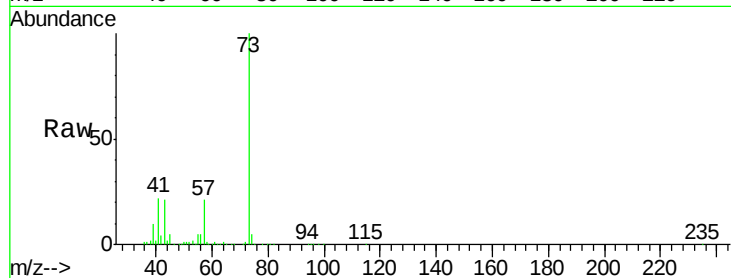
#19
Methvl tert-butvl Ether
Concen: 22.21 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.00 min
Lab File: VX001588.D
Acq: 10 May 2018 06:27

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD02

Tot Ion: 73 Resp: 195952
Ion Ratio Lower Upper
73 100
57 21.4 17.0 25.6

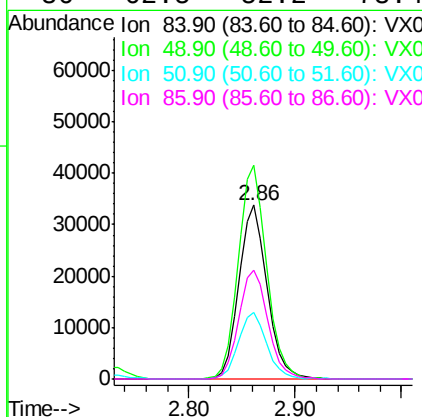
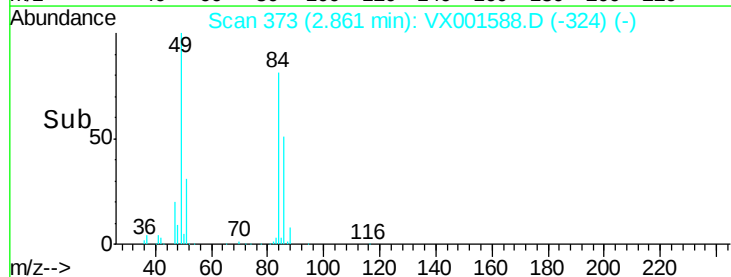
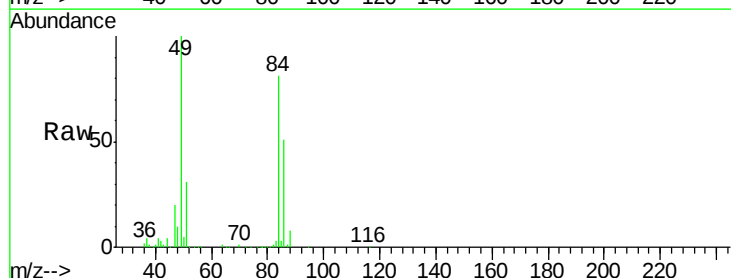
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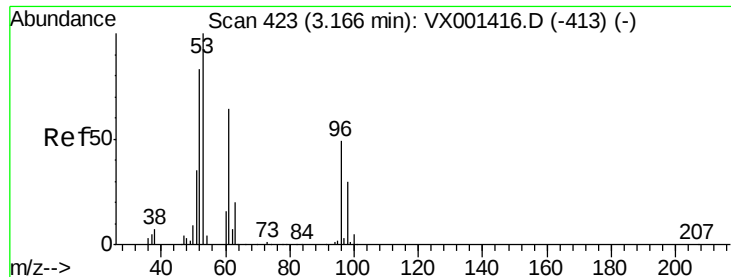
MMDadoda
5/10/2018 1:52:02 PM



#20
Methylene Chloride
Concen: 21.23 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001588.D
Acq: 10 May 2018 06:27

Tgt Ion: 84 Resp: 62831
Ion Ratio Lower Upper
84 100
49 122.9 96.6 144.8
51 38.4 29.0 43.4
86 62.5 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 19.69 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001588.D

Acq: 10 May 2018 06:27

Instrument :

MSVOA_X

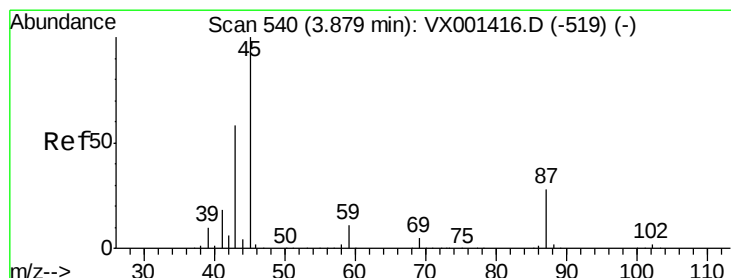
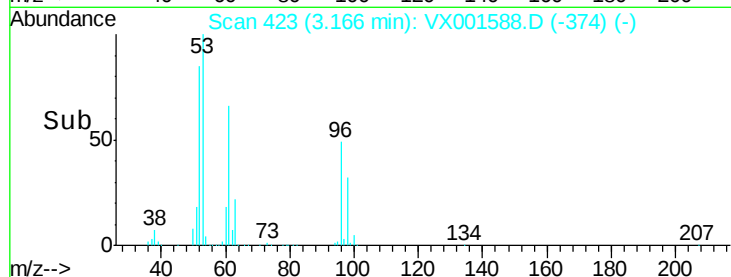
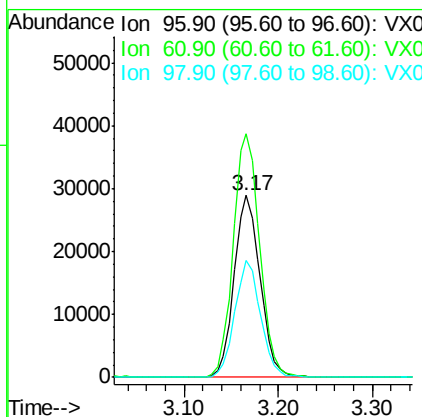
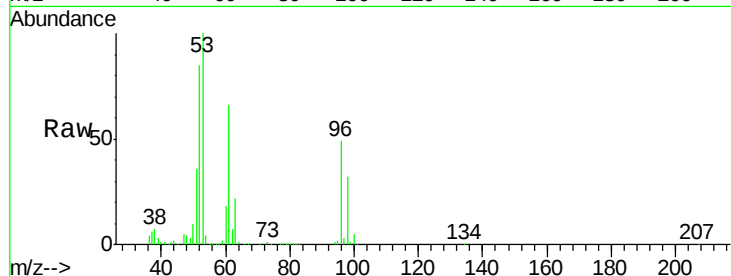
ClientSampleId :

VX0509WBSD02

Tot Ion:	96	Resp:	55680
Ion	Ratio	Lower	Upper
96	100		
61	133.9	105.0	157.4
98	64.4	49.9	74.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.75 ug/l

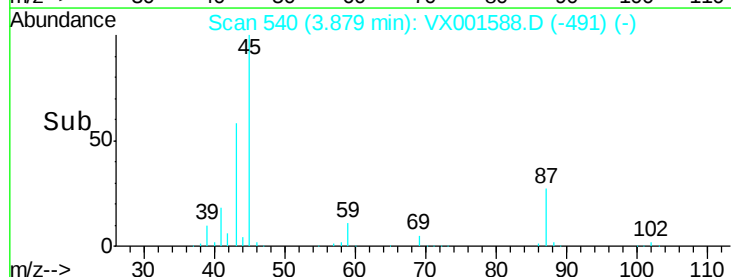
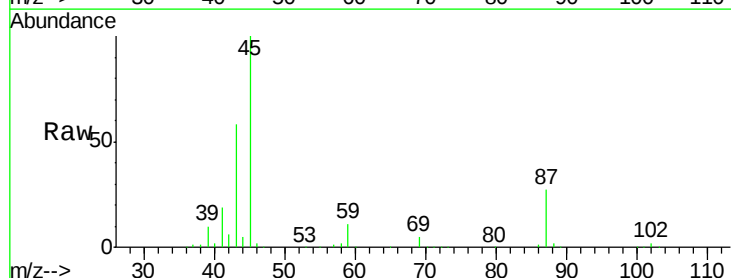
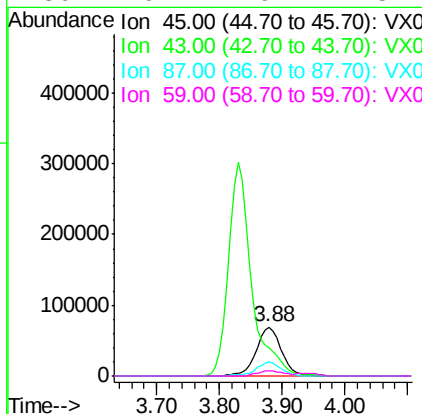
RT: 3.88 min Scan# 540

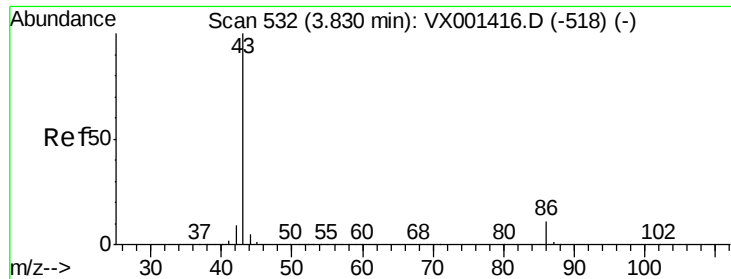
Delta R.T. 0.00 min

Lab File: VX001588.D

Acq: 10 May 2018 06:27

Tgt Ion:	45	Resp:	191978
Ion	Ratio	Lower	Upper
45	100		
43	57.7	46.5	69.7
87	27.4	22.6	34.0
59	10.7	9.1	13.7





#23

Vinyl Acetate

Concen: 104.77 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001588.D

Acq: 10 May 2018 06:27

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD02

Tot Ion: 43 Resp: 770843

Ion Ratio Lower Upper

43 100

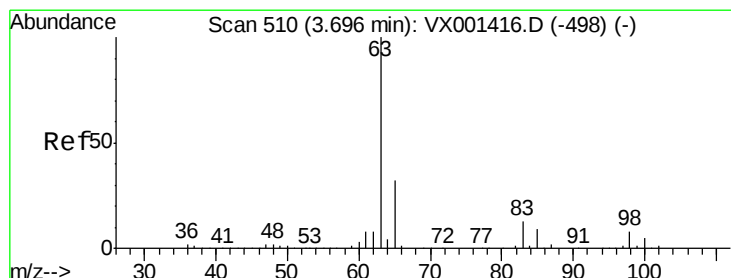
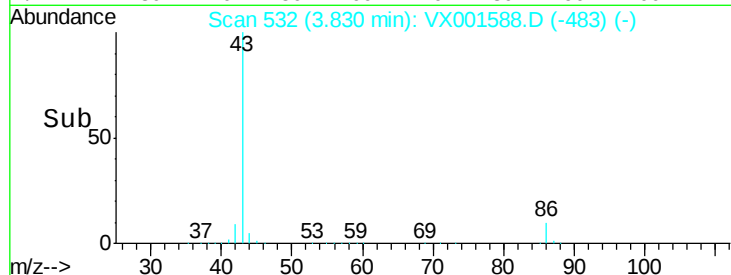
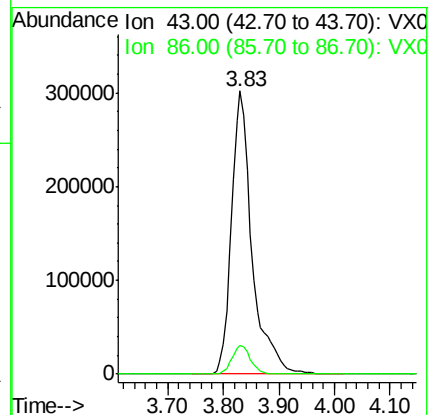
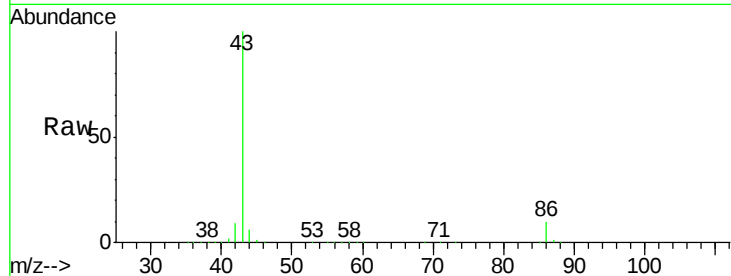
86 10.0 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.90 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX001588.D

Acq: 10 May 2018 06:27

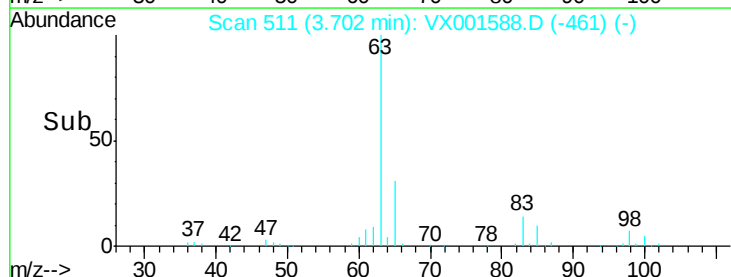
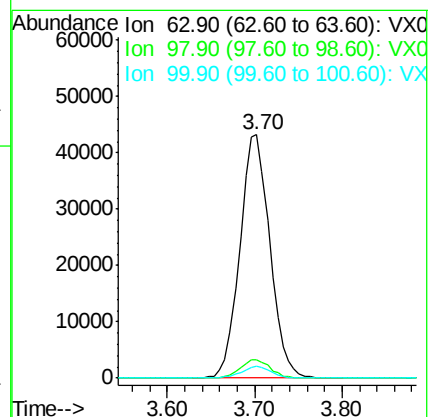
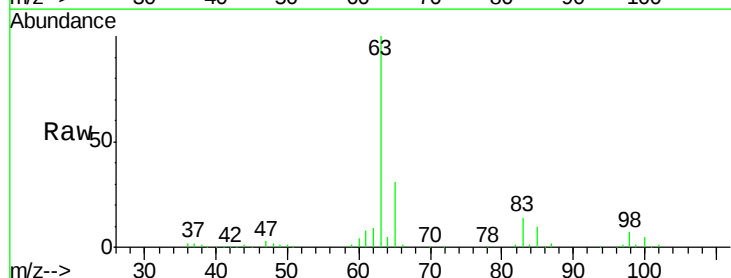
Tgt Ion: 63 Resp: 103060

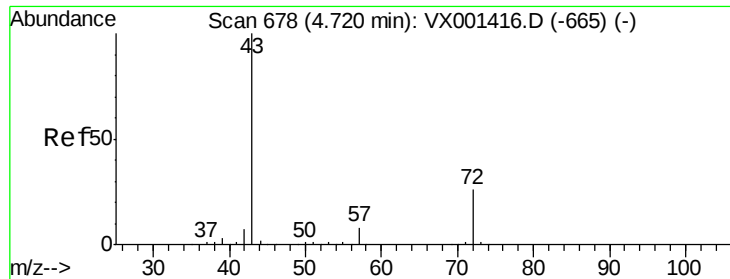
Ion Ratio Lower Upper

63 100

98 7.5 3.8 11.4

100 5.0 2.4 7.1





#25

2-Butanone

Concen: 110.72 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX001588.D

Acq: 10 May 2018 06:27

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD02

Tot Ion: 43 Resp: 239231

Ion Ratio Lower Upper

43 100

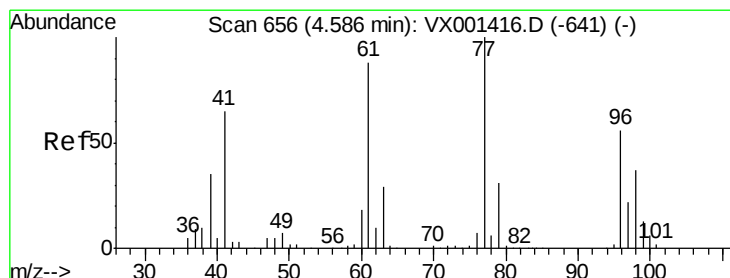
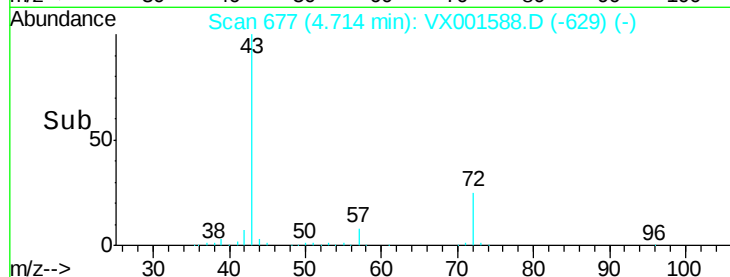
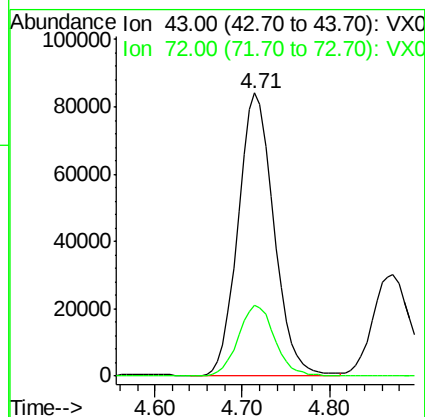
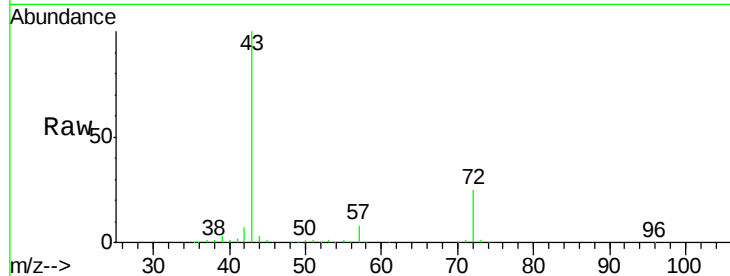
72 25.0 20.7 31.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 12.36 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX001588.D

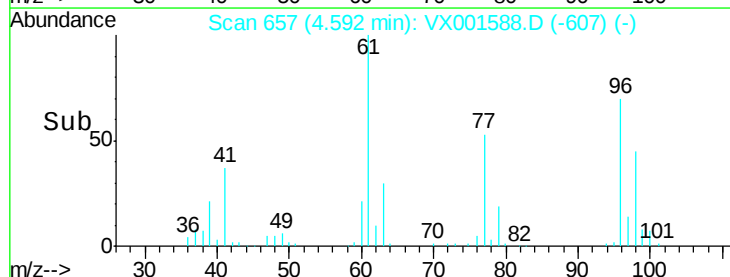
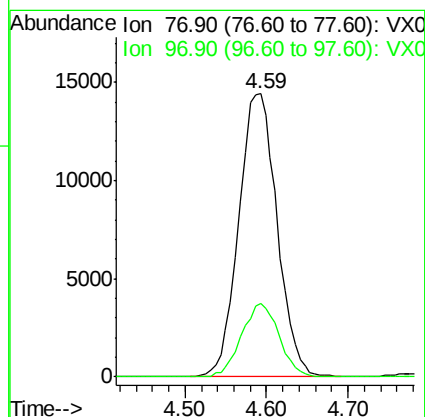
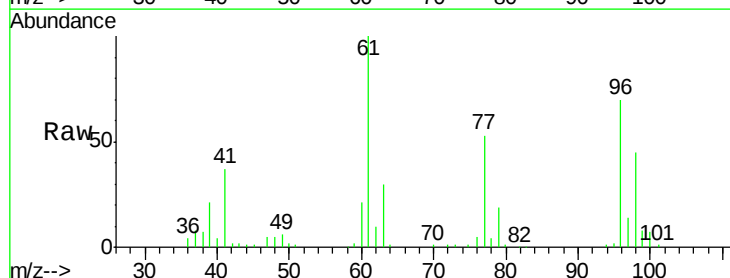
Acq: 10 May 2018 06:27

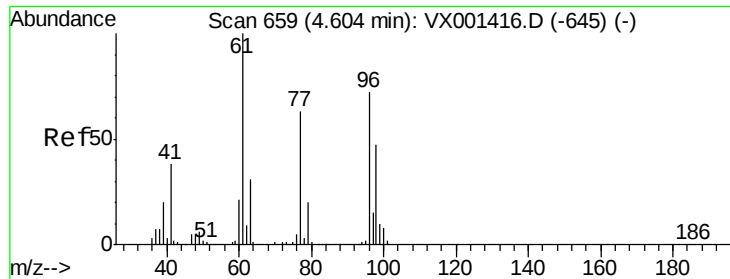
Tgt Ion: 77 Resp: 47080

Ion Ratio Lower Upper

77 100

97 25.4 11.2 33.6





#27

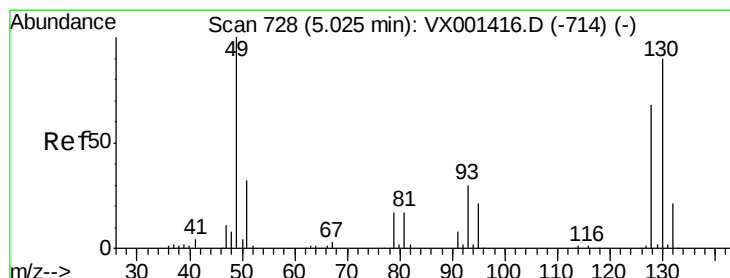
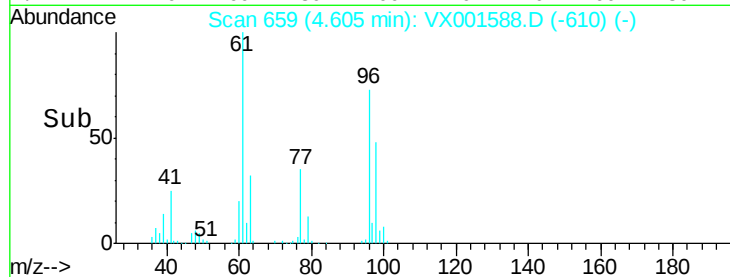
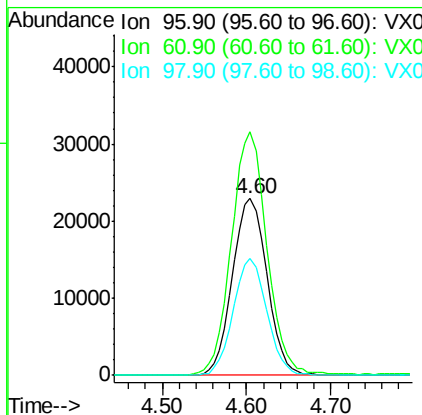
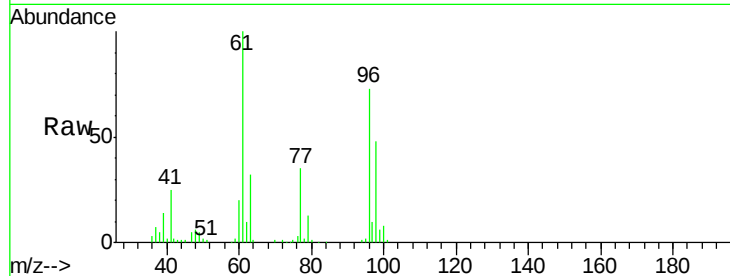
cis-1,2-Dichloroethene
 Concen: 21.23 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VX001588.D
 Acq: 10 May 2018 06:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.3	0.0	301.6
98	64.1	0.0	131.6

Manual Integrations
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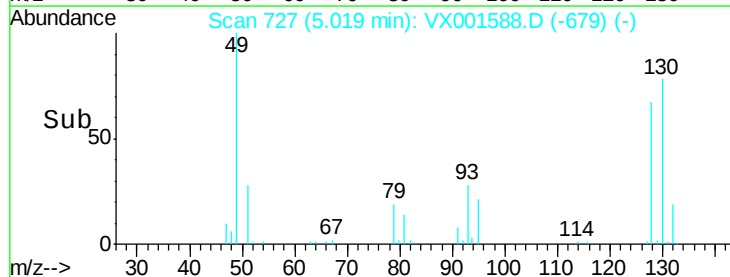
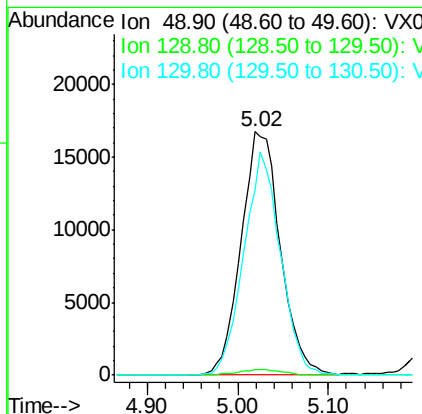
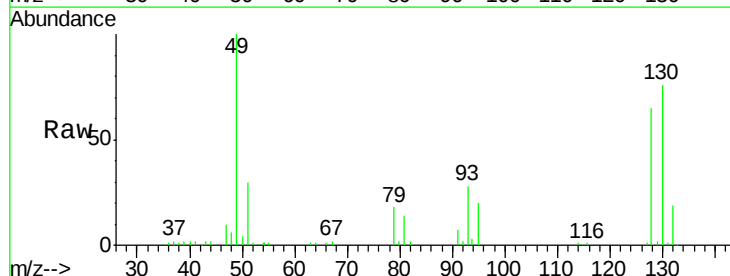
MMDadoda
 5/10/2018 1:52:02 PM

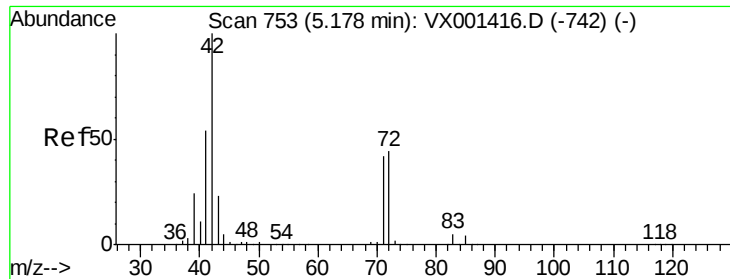


#28

Bromochloromethane
 Concen: 23.55 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: VX001588.D
 Acq: 10 May 2018 06:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	85.2	71.9	107.9





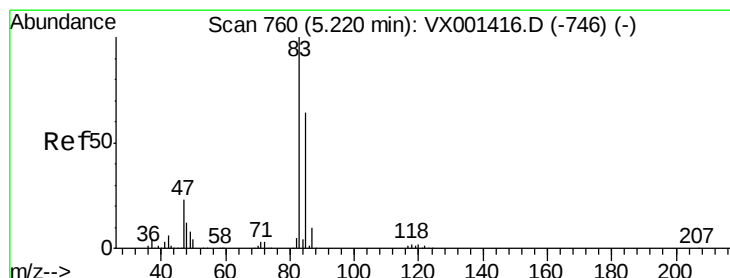
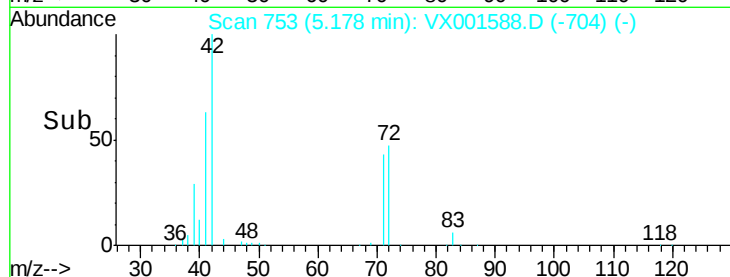
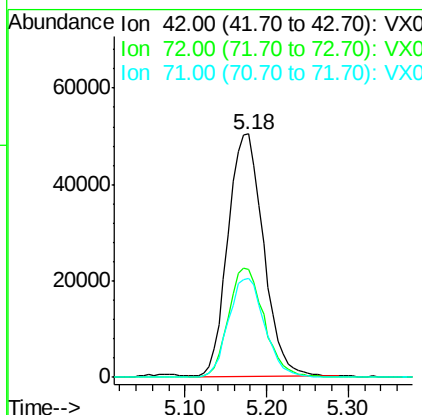
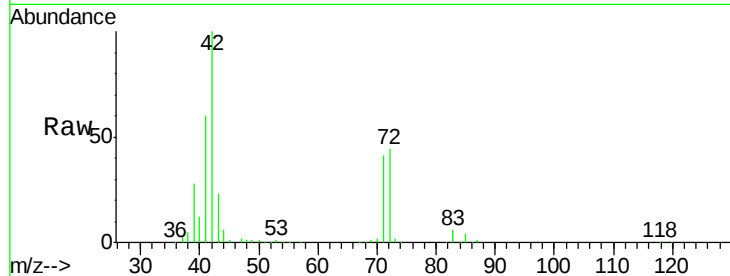
#29
Tetrahydrofuran
Concen: 109.90 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.00 min
Lab File: VX001588.D
Acq: 10 May 2018 06:27

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	35.4	53.2
71	41.5	33.0	49.4

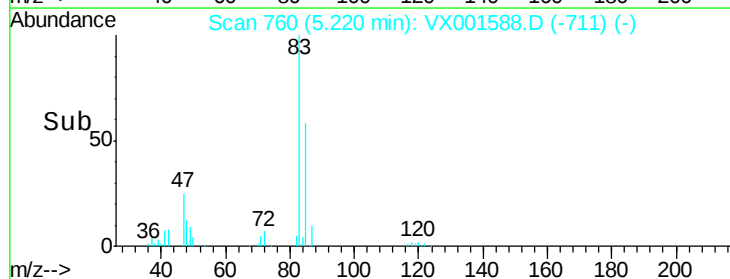
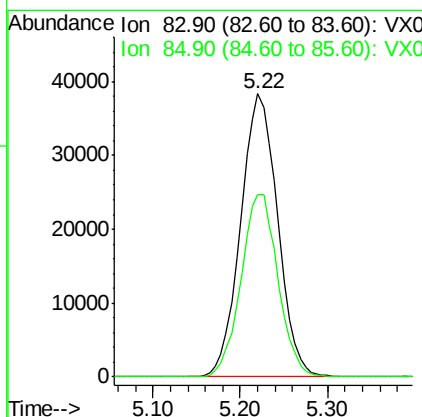
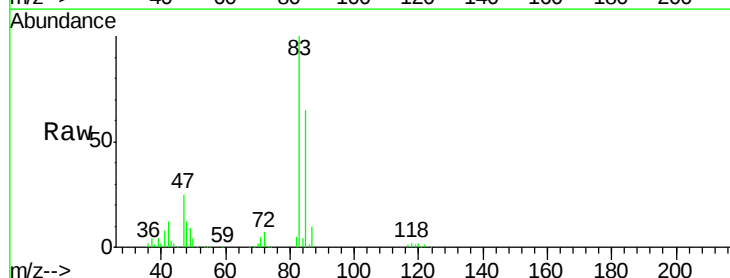
Manual Integrations
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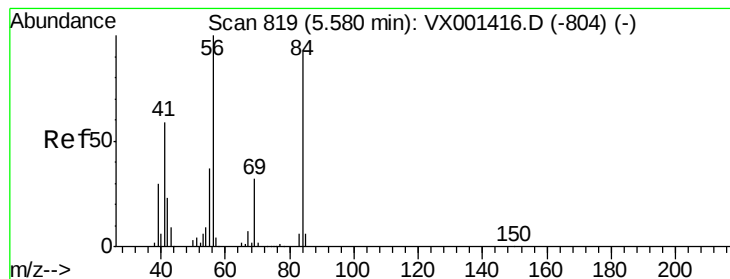
MMDadoda
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#30
Chloroform
Concen: 22.20 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001588.D
Acq: 10 May 2018 06:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.0	76.4





#31

Cyclohexane

Concen: 20.48 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX001588.D

Acq: 10 May 2018 06:27

Instrument :

MSVOA_X

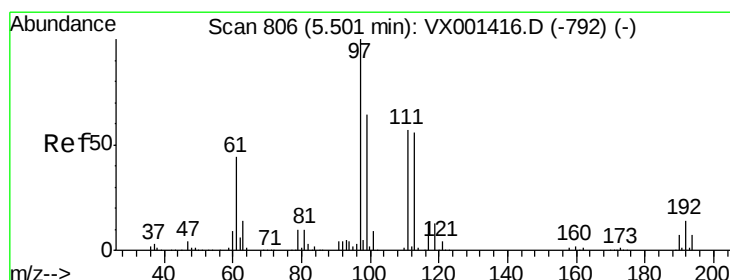
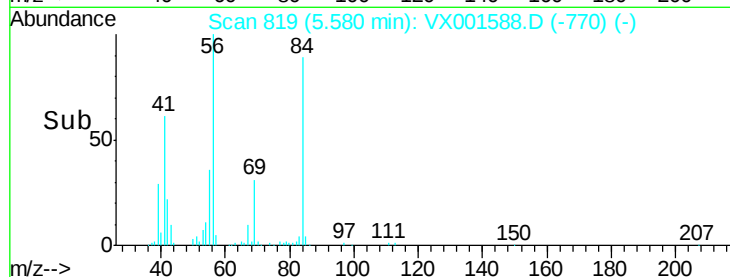
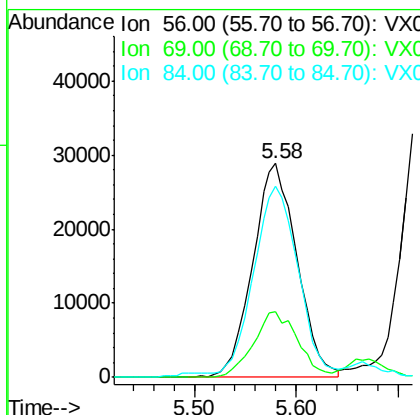
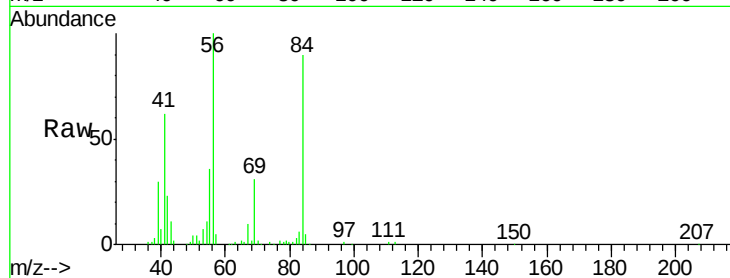
ClientSampleId :

VX0509WBSD02

Tot Ion:	56	Resp:	86733
Ion	Ratio	Lower	Upper
56	100		
69	30.5	25.4	38.0
84	87.5	73.8	110.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.70 ug/l

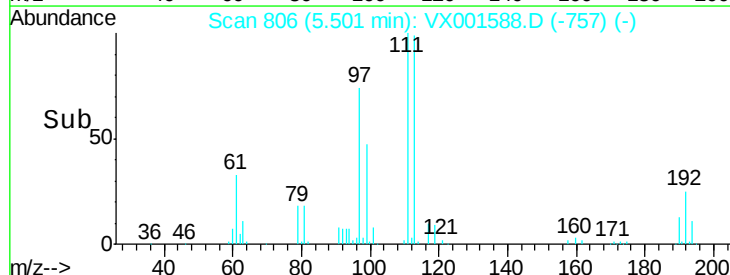
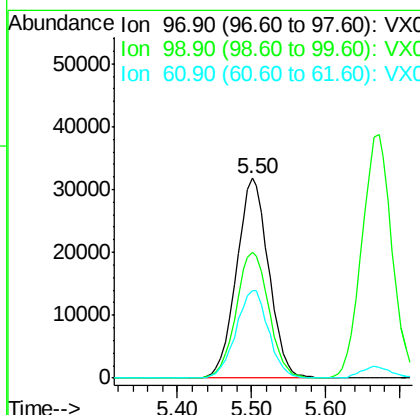
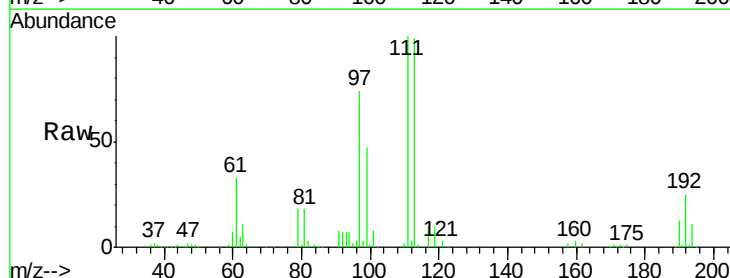
RT: 5.50 min Scan# 806

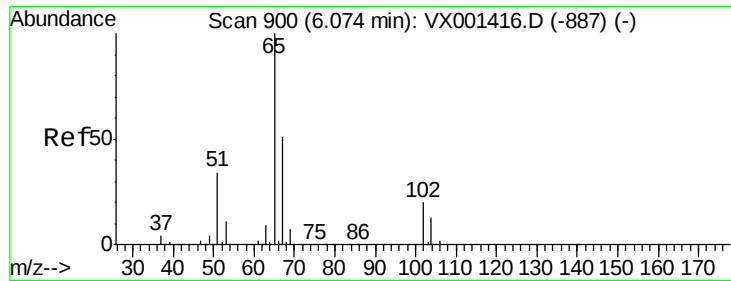
Delta R.T. 0.00 min

Lab File: VX001588.D

Acq: 10 May 2018 06:27

Tgt Ion:	97	Resp:	96351
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.3	76.9
61	44.2	34.8	52.2





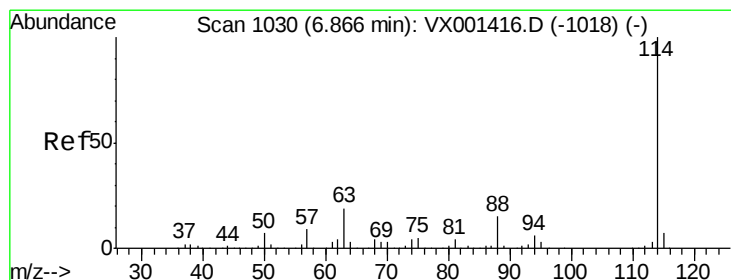
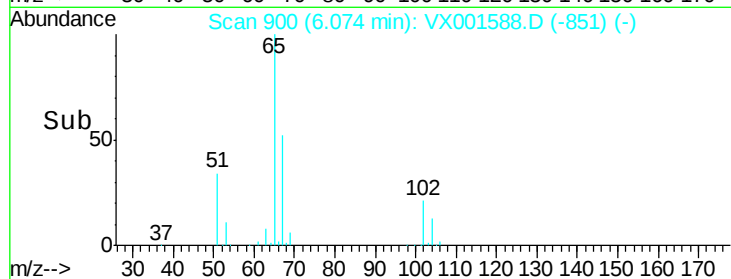
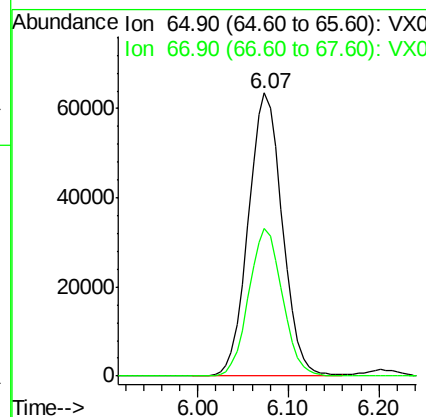
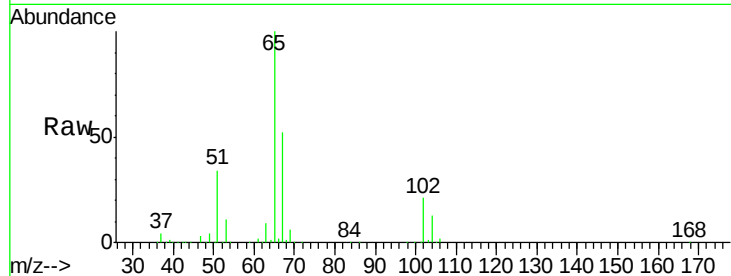
#33
 1,2-Dichloroethane-d4
 Concen: 50.04 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001588.D
 Acq: 10 May 2018 06:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	164727		
67	51.6	0.0	101.8	

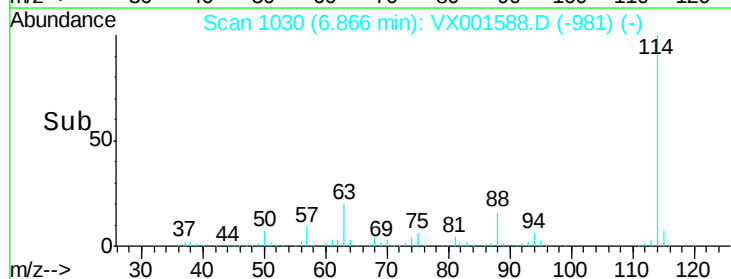
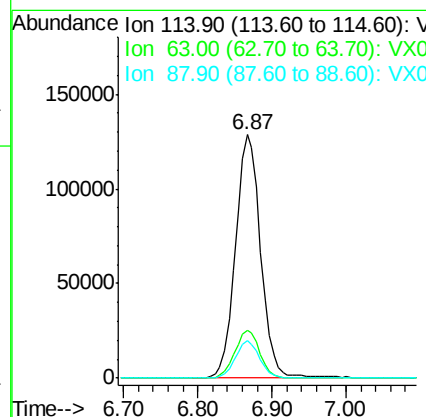
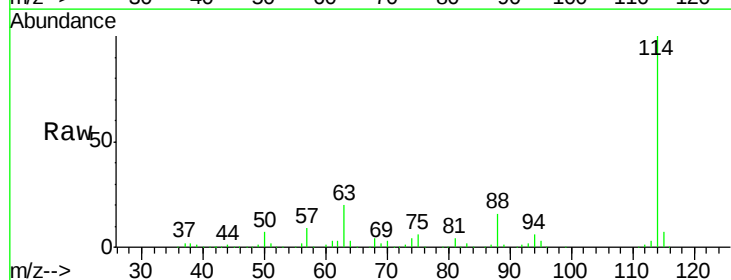
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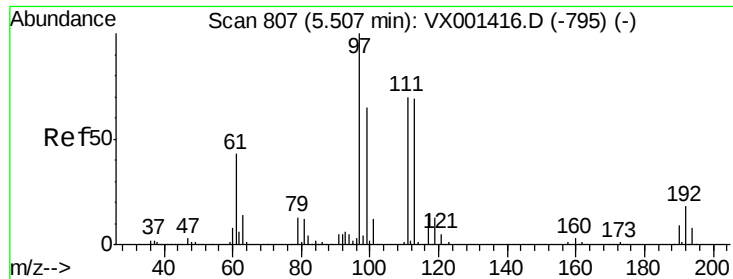
MMDadoda
 5/10/2018 1:52:02 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001588.D
 Acq: 10 May 2018 06:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	304311		
63	19.6	0.0	38.6	
88	15.6	0.0	30.8	





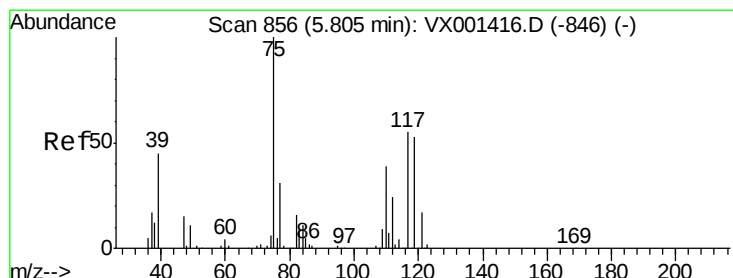
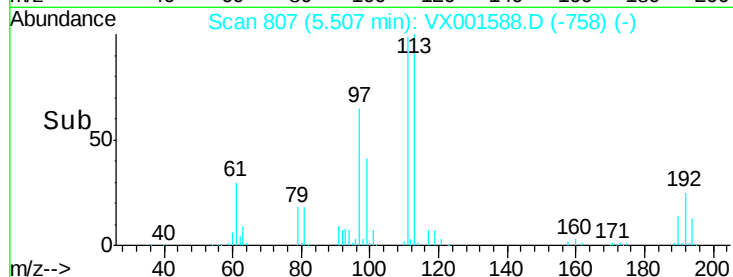
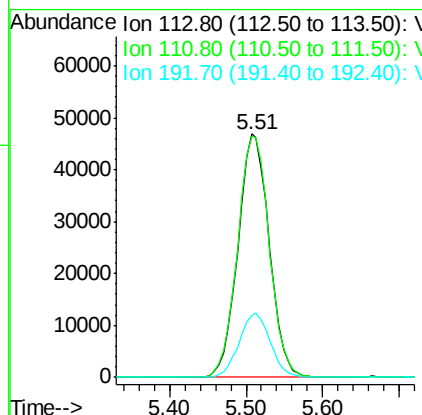
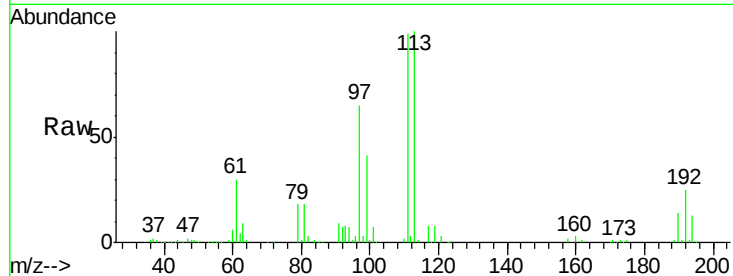
#35
 Dibromofluoromethane
 Concen: 48.99 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX001588.D
 Acq: 10 May 2018 06:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	132596		
111	101.1	82.2	123.2	
192	26.2	21.4	32.0	

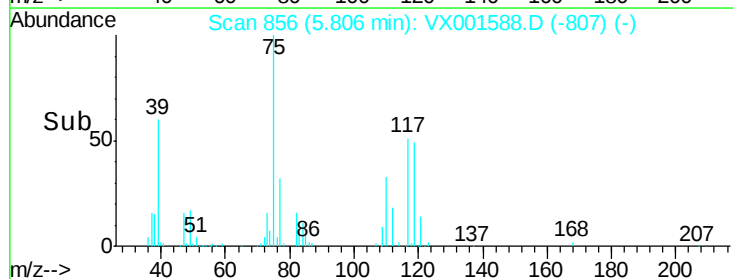
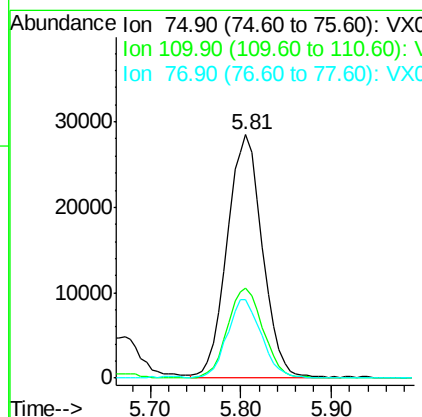
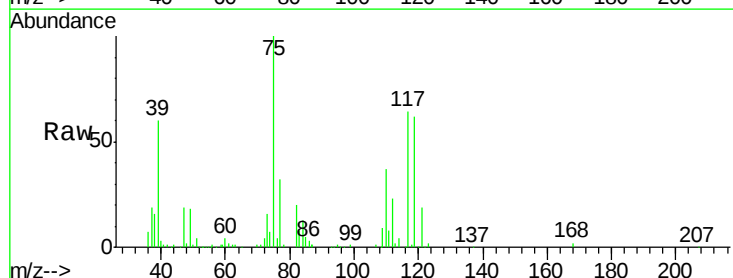
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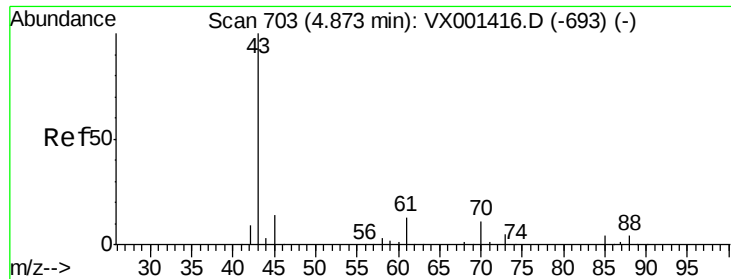
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#36
 1,1-Dichloropropene
 Concen: 19.71 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VX001588.D
 Acq: 10 May 2018 06:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	76285		
110	37.8	18.9	56.7	
77	32.0	24.9	37.3	





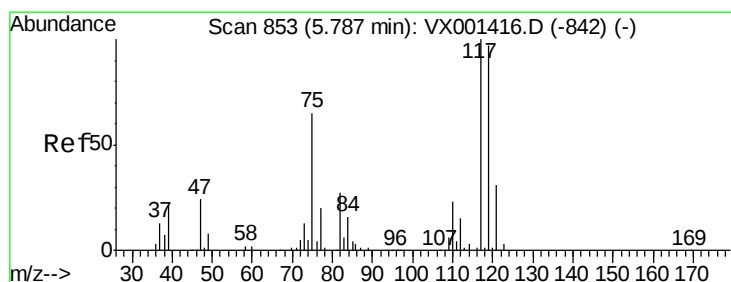
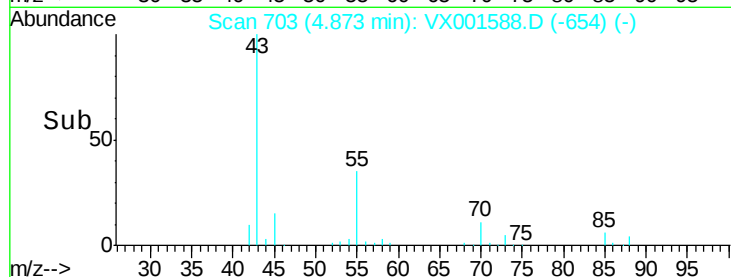
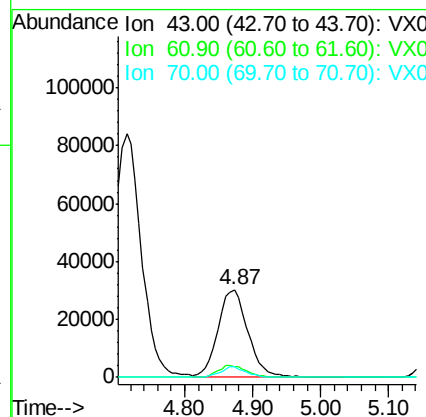
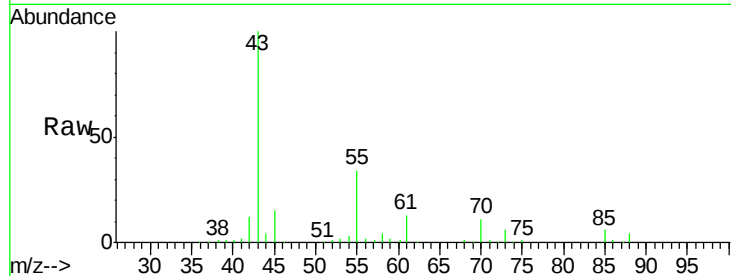
#37
Ethyl Acetate
Concen: 21.56 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX001588.D
Acq: 10 May 2018 06:27

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.7	16.1
70	10.5	8.4	12.6

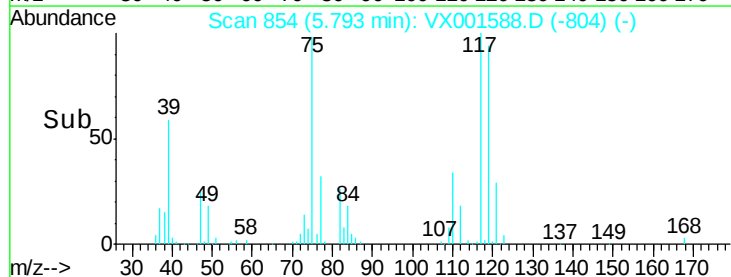
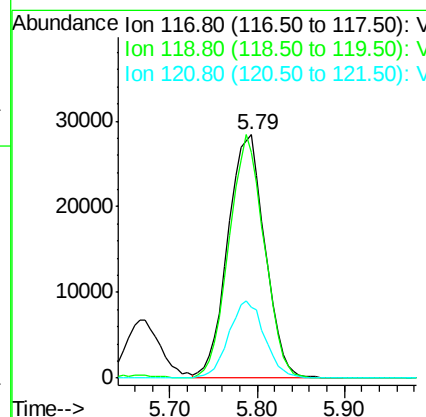
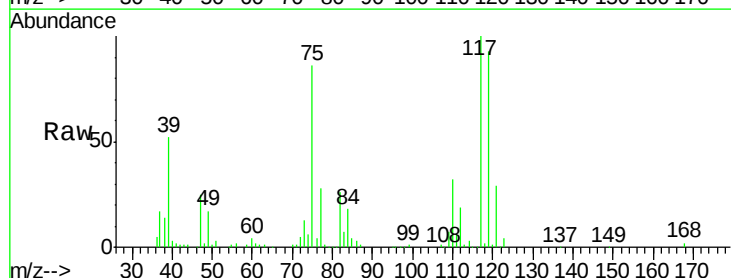
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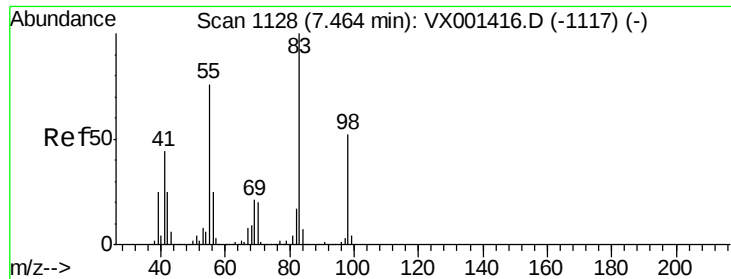
MMDadoda
5/10/2018 1:52:02 PM



#38
Carbon Tetrachloride
Concen: 20.33 ug/l
RT: 5.79 min Scan# 854
Delta R.T. 0.01 min
Lab File: VX001588.D
Acq: 10 May 2018 06:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.8	77.0	115.6
121	29.0	25.1	37.7





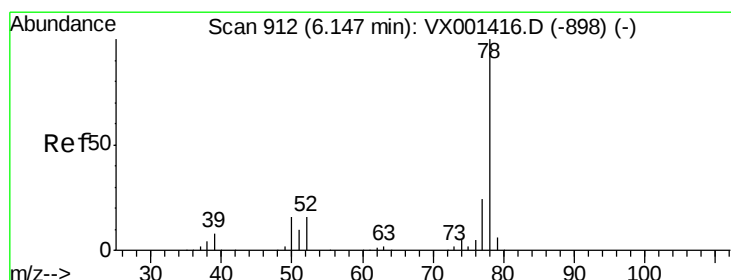
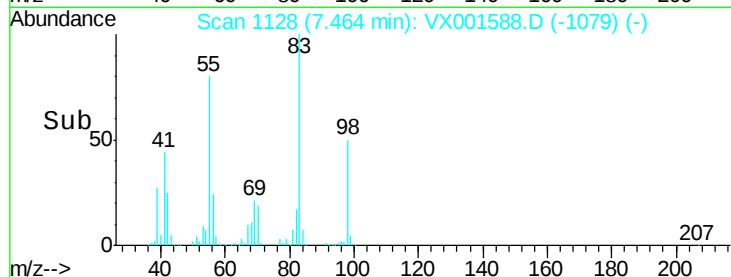
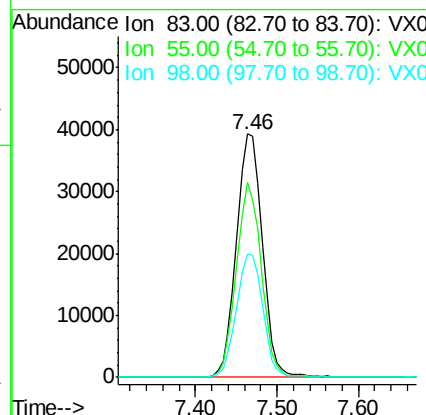
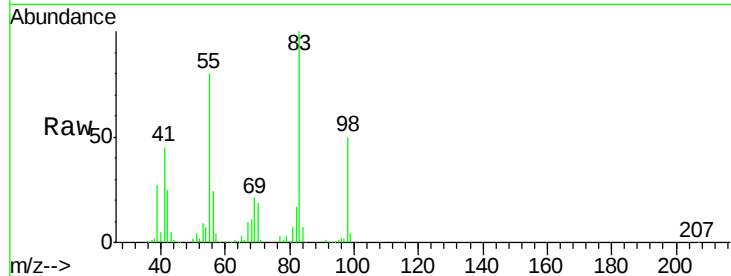
#39
Methvlcvclohexane
Concen: 18.94 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX001588.D
Acq: 10 May 2018 06:27

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	80.0	60.9	91.3	
98	50.5	41.9	62.9	

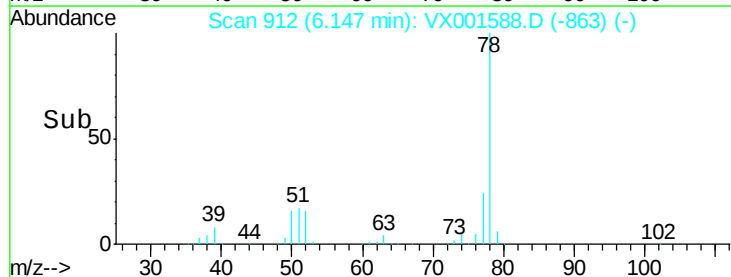
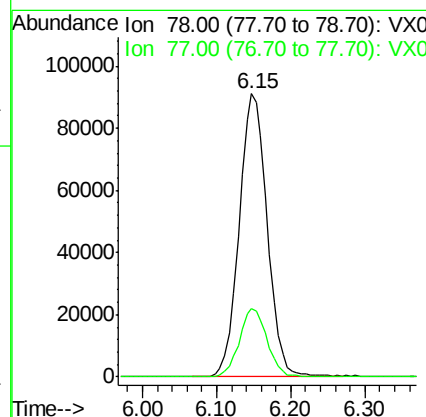
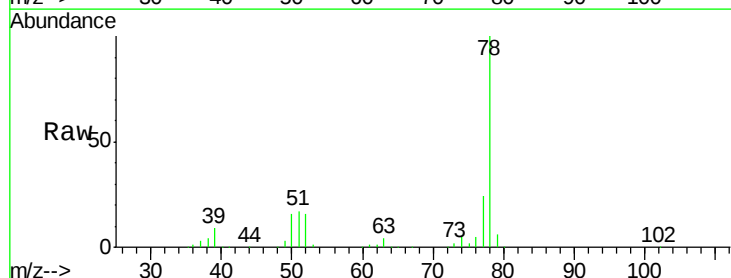
Manual Integrations
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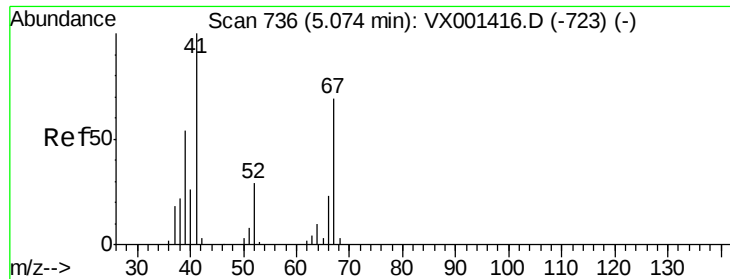
MMDadoda
5/10/2018 1:52:02 PM



#40
Benzene
Concen: 21.27 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX001588.D
Acq: 10 May 2018 06:27

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.3	19.4	29.2	





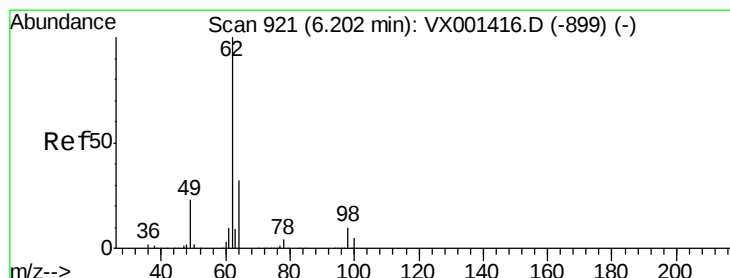
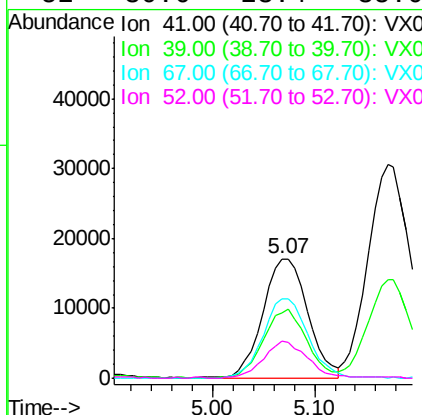
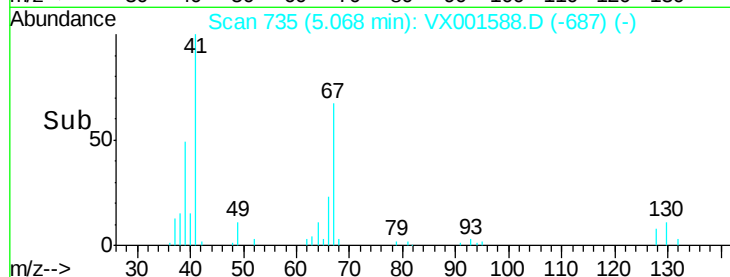
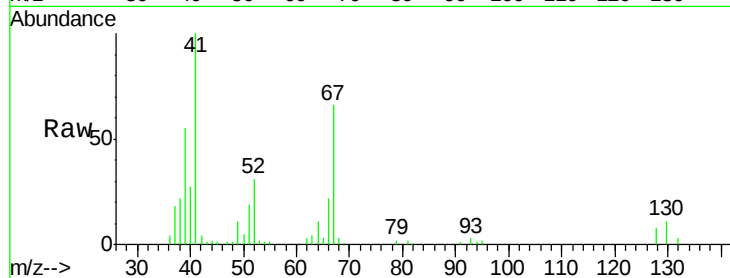
#41
Methacrylonitrile
Concen: 21.39 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX001588.D
Acq: 10 May 2018 06:27

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD02

Tot Ion:	41	Resp:	51930
Ion	Ratio	Lower	Upper
41	100		
39	55.7	45.0	67.6
67	68.0	55.0	82.6
52	30.6	23.4	35.0

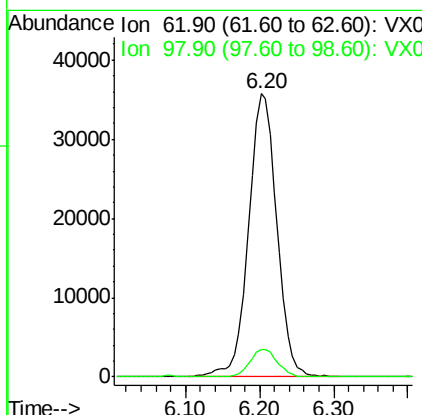
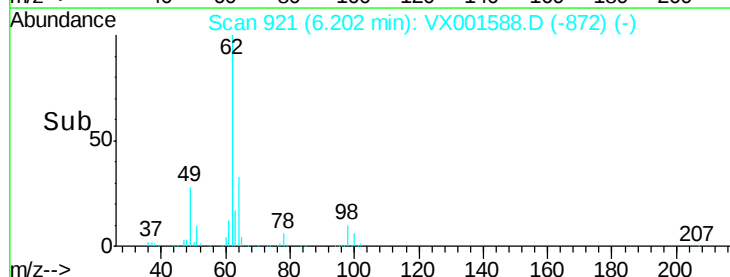
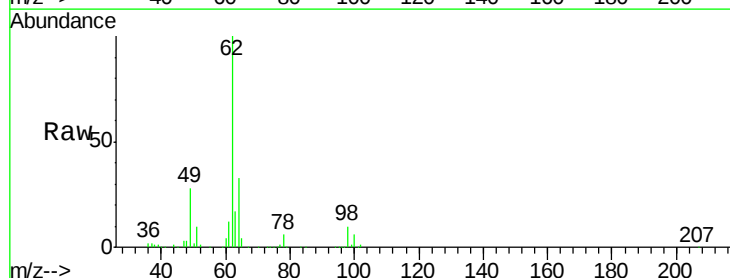
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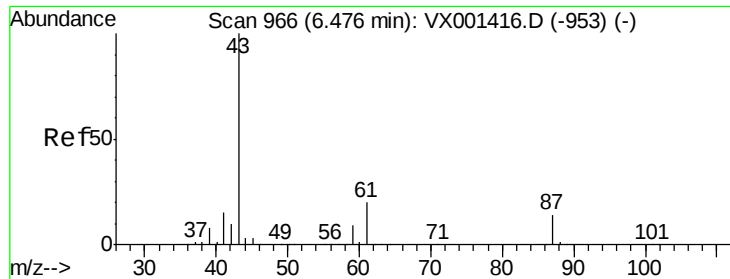
MMDadoda
5/10/2018 1:52:02 PM



#42
1,2-Dichloroethane
Concen: 21.90 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX001588.D
Acq: 10 May 2018 06:27

Tgt Ion:	62	Resp:	95183
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.0





#43

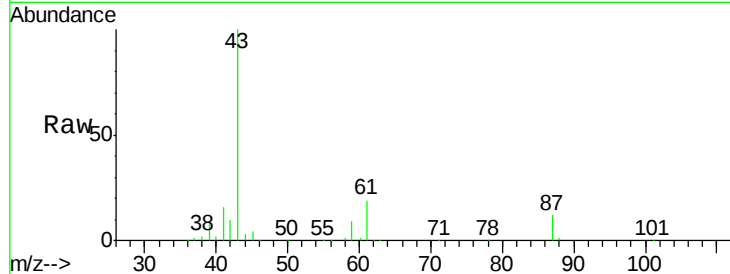
Isopropyl Acetate
 Concen: 21.27 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX001588.D
 Acq: 10 May 2018 06:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD02

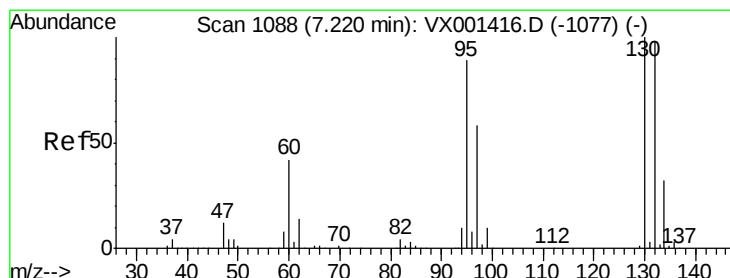
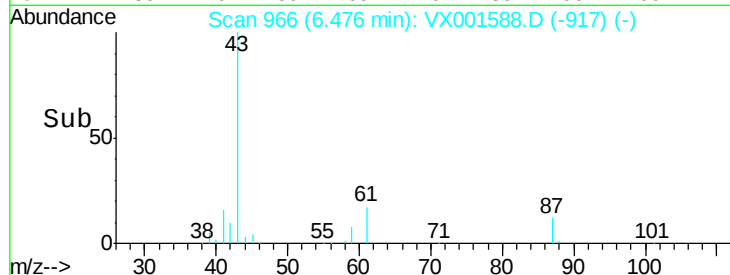
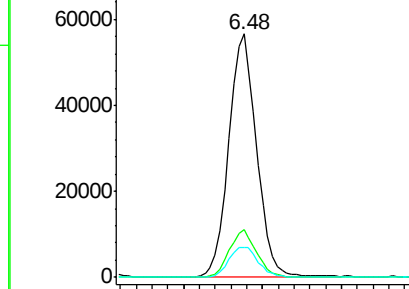
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.4	23.0
87	13.4	10.8	16.2

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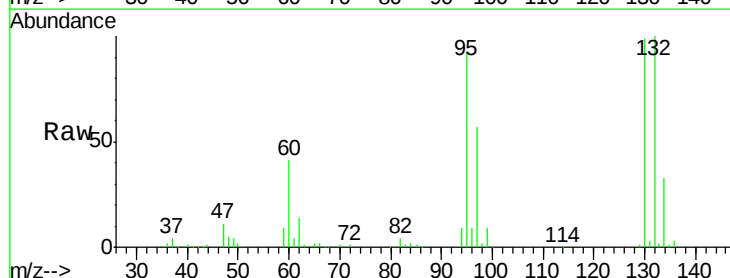
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



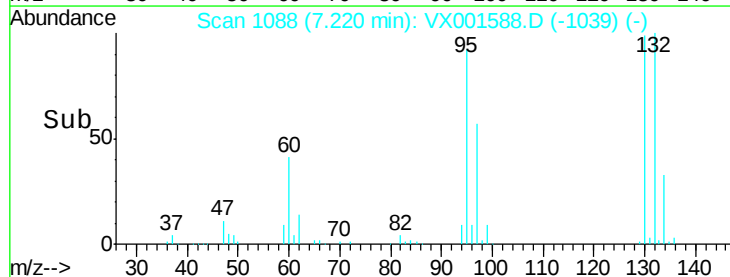
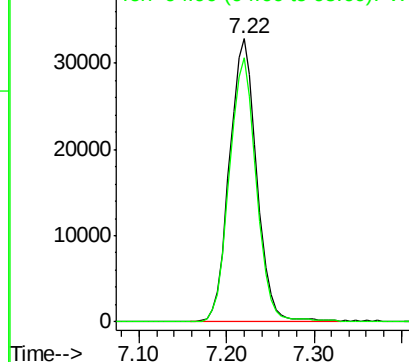
#44

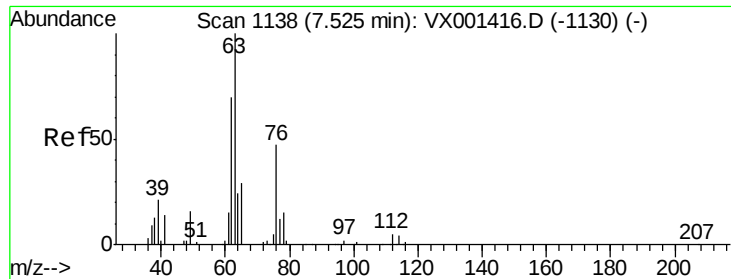
Trichloroethene
 Concen: 20.59 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001588.D
 Acq: 10 May 2018 06:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	178.4



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





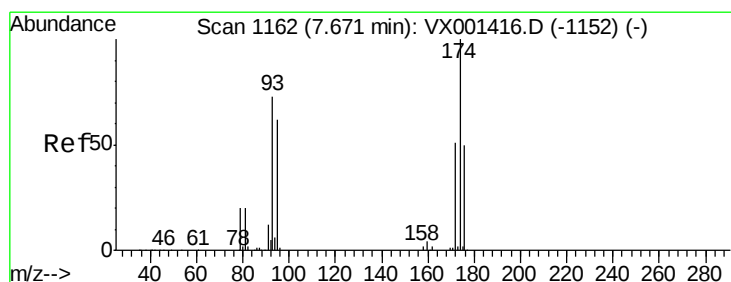
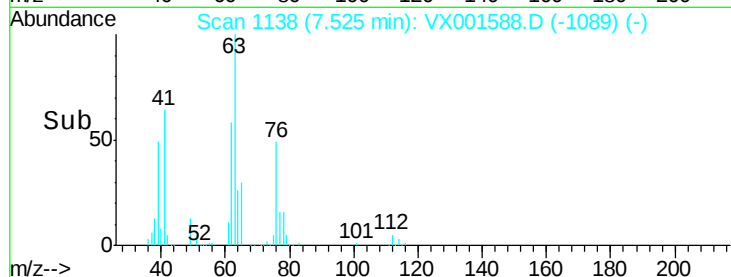
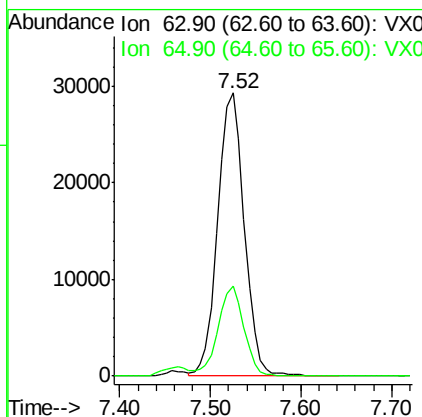
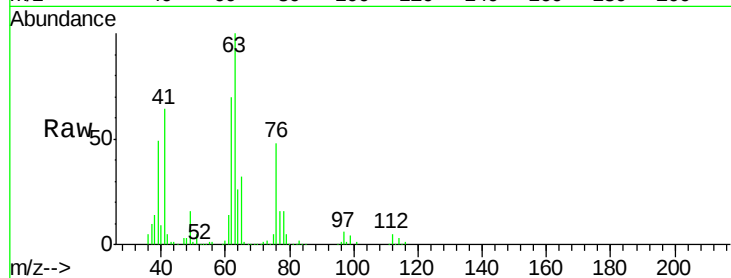
#45
 1,2-Dichloropropane
 Concen: 21.35 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX001588.D
 Acq: 10 May 2018 06:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD02

Tot Ion: 63 Resp: 60177
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.5 36.7

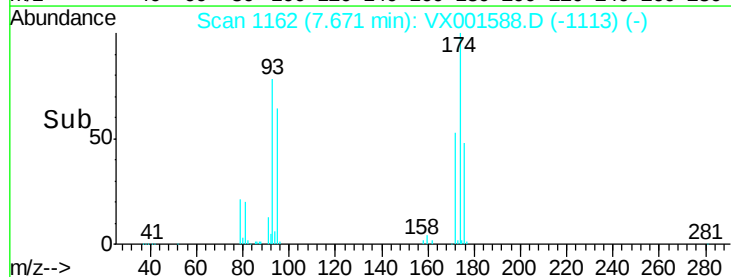
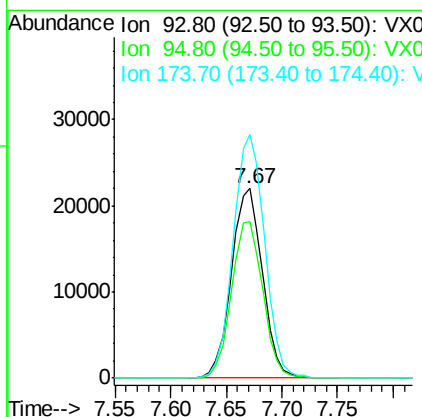
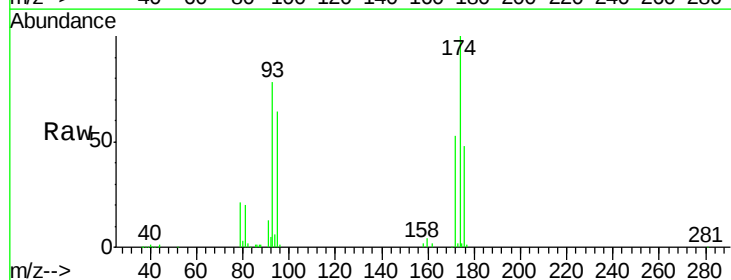
Manual Integrations
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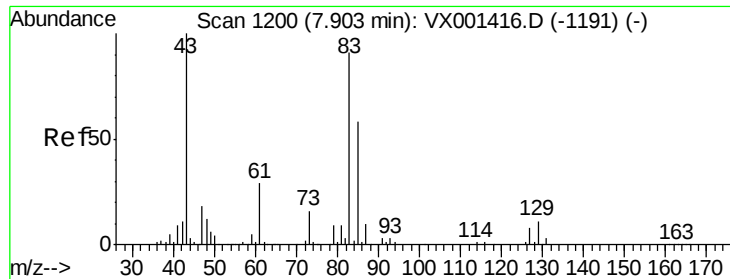
MMDadoda
 5/10/2018 1:52:02 PM



#46
 Dibromomethane
 Concen: 21.31 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX001588.D
 Acq: 10 May 2018 06:27

Tgt Ion: 93 Resp: 42527
 Ion Ratio Lower Upper
 93 100
 95 82.8 67.0 100.4
 174 129.9 104.5 156.7





#47

Bromodichloromethane

Concen: 20.74 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX001588.D

Acq: 10 May 2018 06:27

Instrument :

MSVOA_X

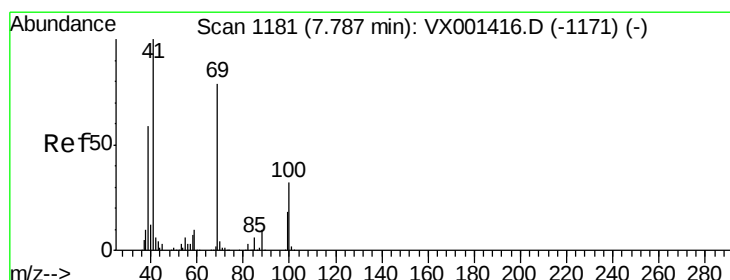
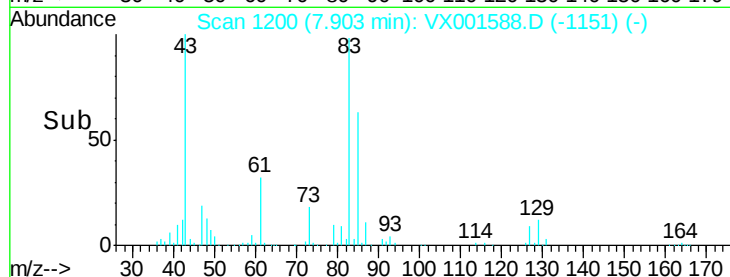
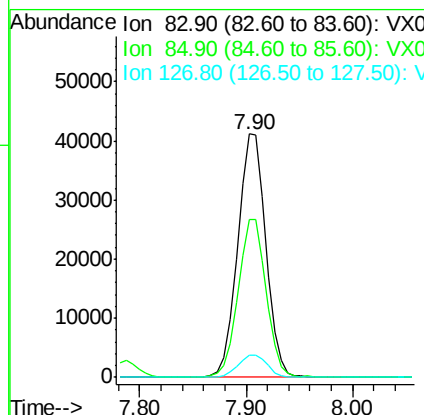
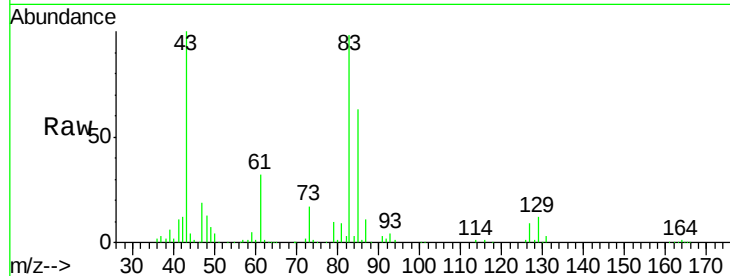
ClientSampleId :

VX0509WBSD02

Tot Ion:	83	Resp:	76587
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.0	76.6
127	9.3	7.4	11.2

Manual Integrations
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5/10/2018 1:52:02 PM



#48

Methyl methacrylate

Concen: 20.91 ug/l

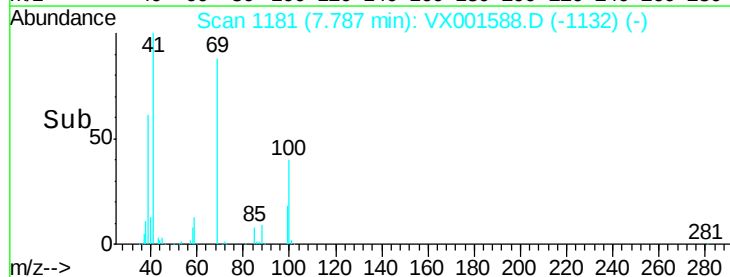
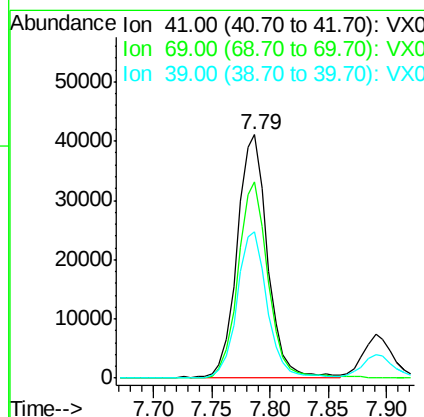
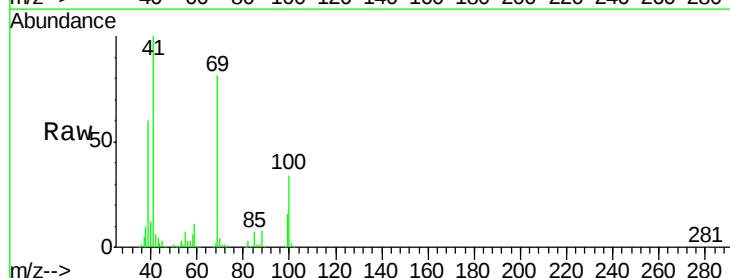
RT: 7.79 min Scan# 1181

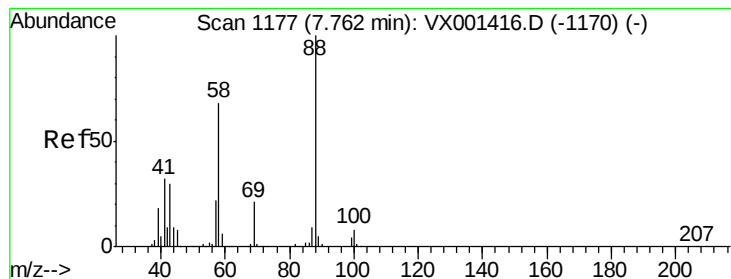
Delta R.T. 0.00 min

Lab File: VX001588.D

Acq: 10 May 2018 06:27

Tgt Ion:	41	Resp:	74177
Ion	Ratio	Lower	Upper
41	100		
69	80.7	63.4	95.2
39	59.6	47.0	70.4





#49

1,4-Dioxane

Concen: 439.74 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VX001588.D

Acq: 10 May 2018 06:27

Instrument :

MSVOA_X

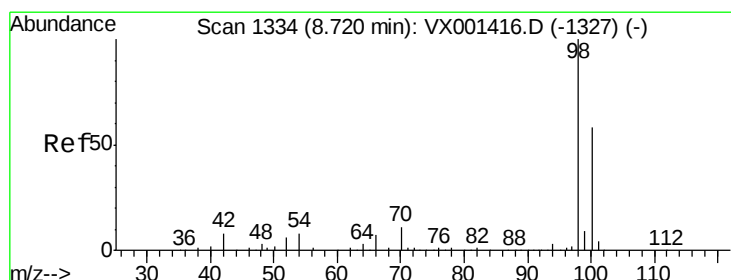
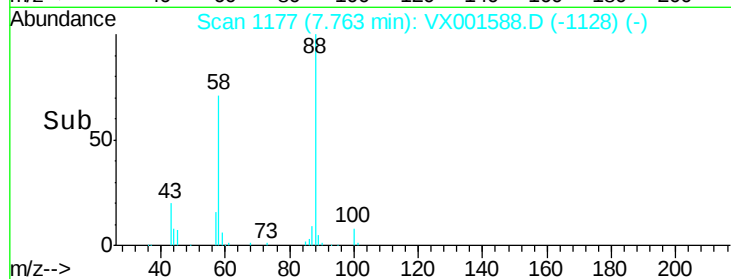
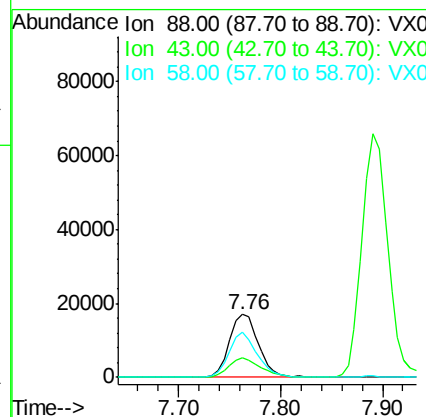
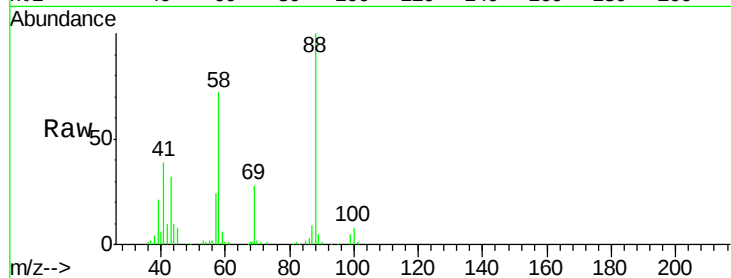
ClientSampleId :

VX0509WBSD02

Tot Ion:	88	Resp:	33698
Ion	Ratio	Lower	Upper
88	100		
43	33.8	26.4	39.6
58	69.2	54.1	81.1

Manual Integrations
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#50

Toluene-d8

Concen: 47.46 ug/l

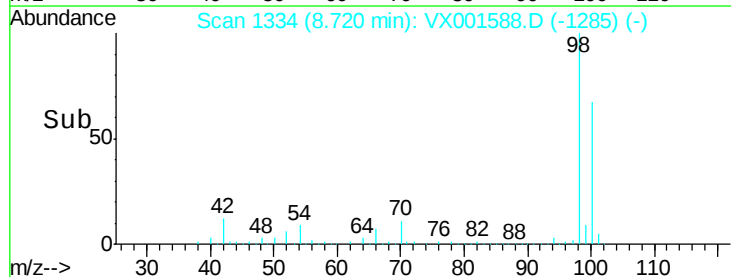
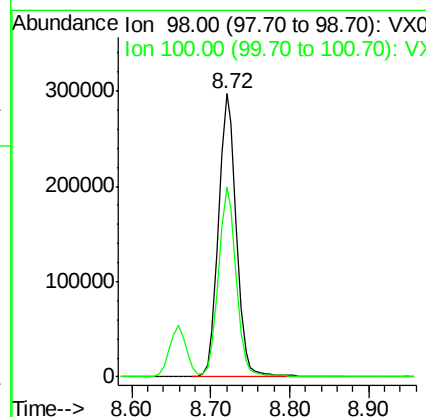
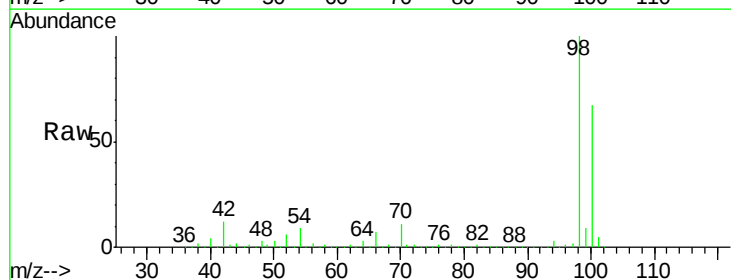
RT: 8.72 min Scan# 1334

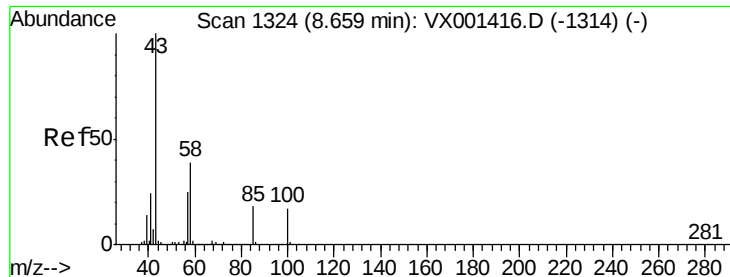
Delta R.T. 0.00 min

Lab File: VX001588.D

Acq: 10 May 2018 06:27

Tgt Ion:	98	Resp:	468889
Ion	Ratio	Lower	Upper
98	100		
100	66.8	54.0	81.0





#51

4-Methyl-2-Pentanone

Concen: 111.84 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001588.D

Acq: 10 May 2018 06:27

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD02

Tot Ion: 43 Resp: 484099

Ion Ratio Lower Upper

43 100

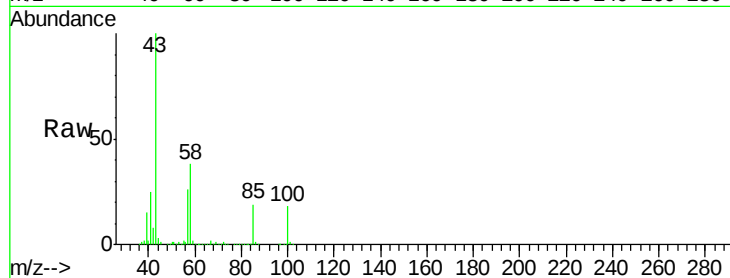
58 37.5 30.8 46.2

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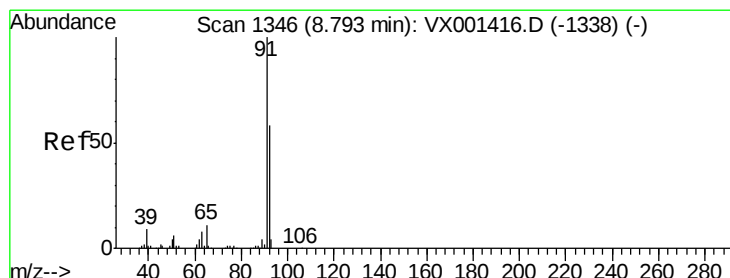
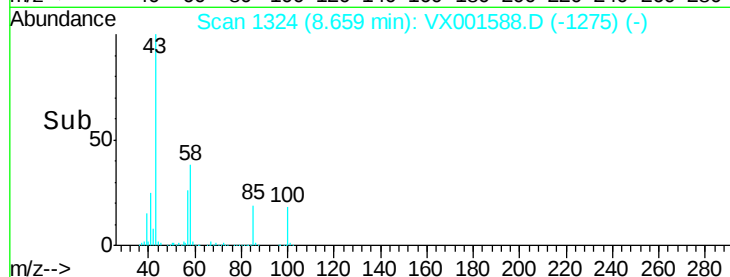
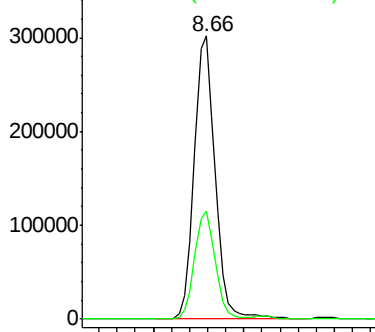
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 21.24 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VX001588.D

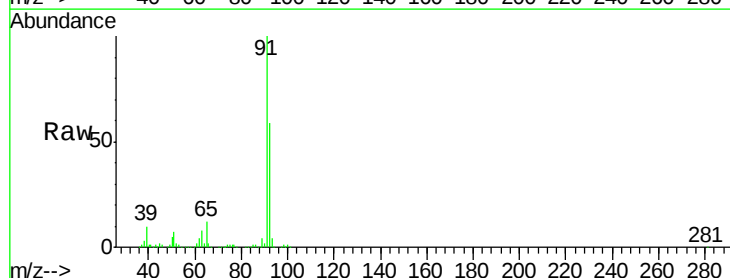
Acq: 10 May 2018 06:27

Tgt Ion: 92 Resp: 157029

Ion Ratio Lower Upper

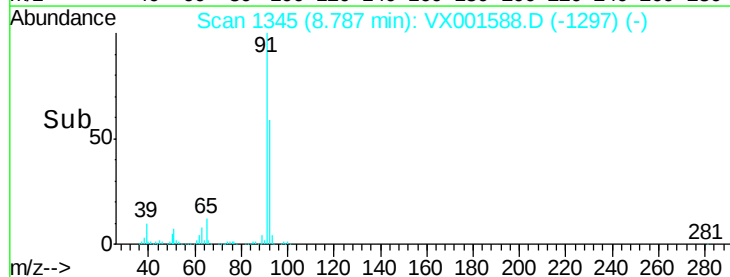
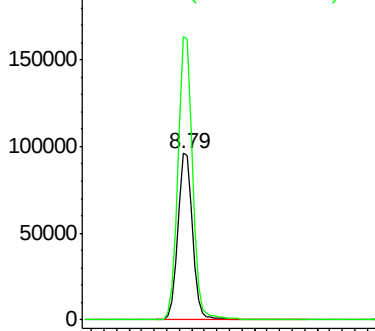
92 100

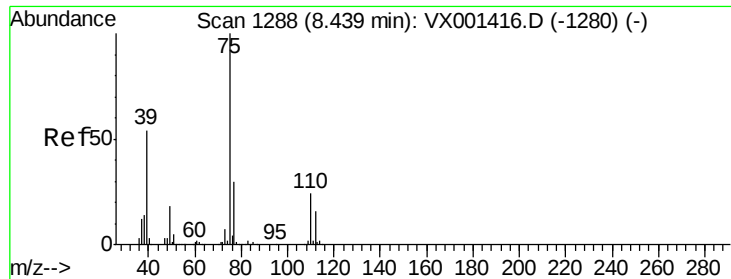
91 169.1 135.2 202.8



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 19.37 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX001588.D

Acq: 10 May 2018 06:27

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD02

Tot Ion: 75 Resp: 80832

Ion Ratio Lower Upper

75 100

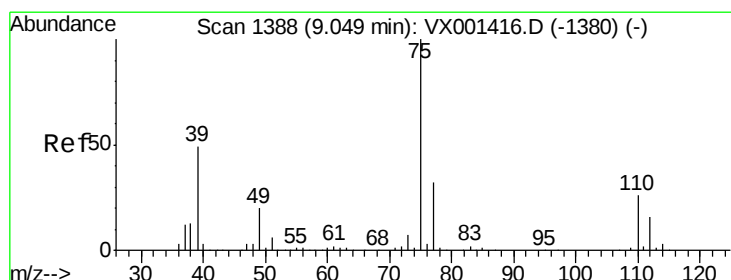
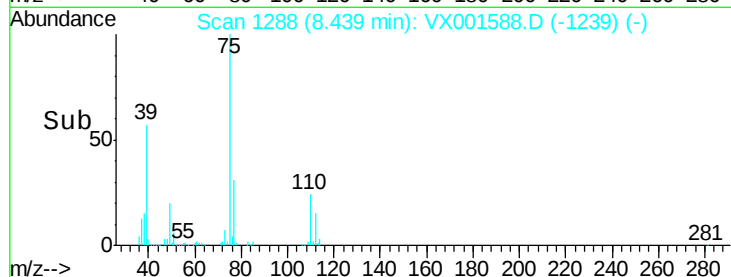
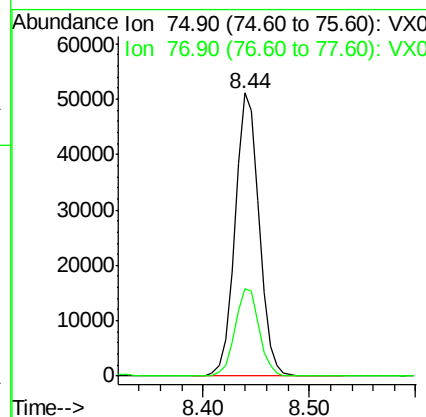
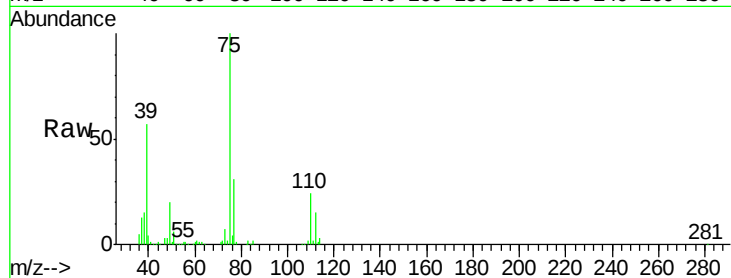
77 31.0 24.2 36.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.07 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX001588.D

Acq: 10 May 2018 06:27

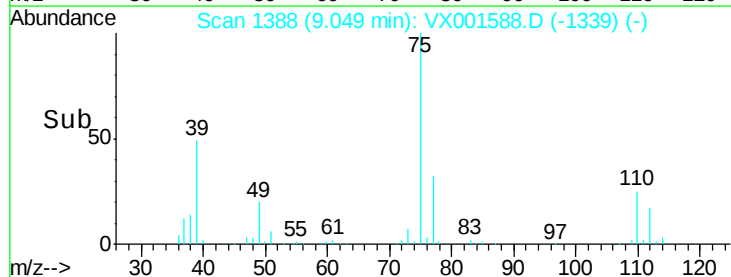
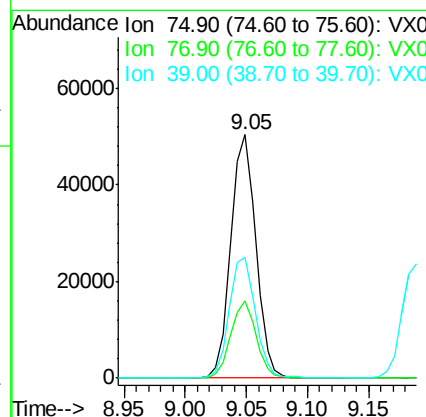
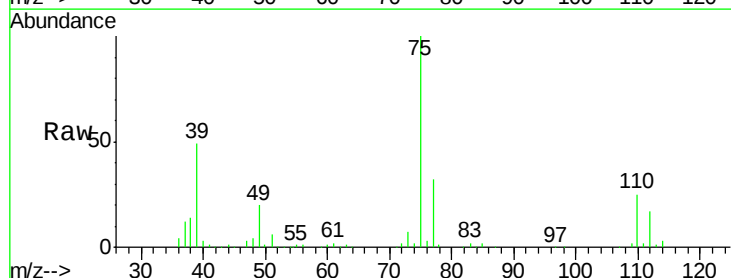
Tgt Ion: 75 Resp: 71421

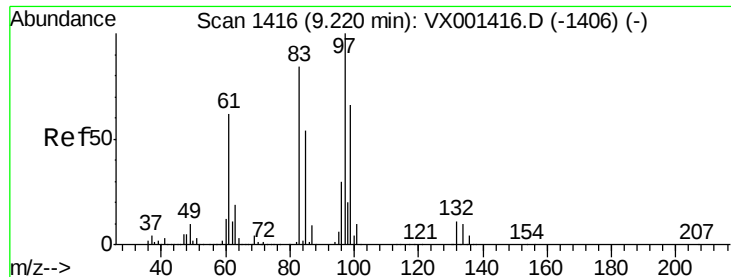
Ion Ratio Lower Upper

75 100

77 31.6 25.5 38.3

39 49.2 38.9 58.3





#55

1,1,2-Trichloroethane

Concen: 21.58 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VX001588.D

Acq: 10 May 2018 06:27

Instrument :

MSVOA_X

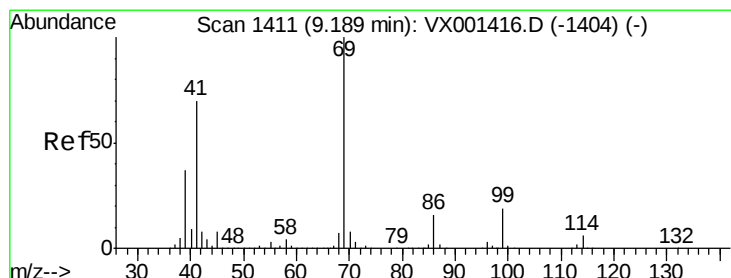
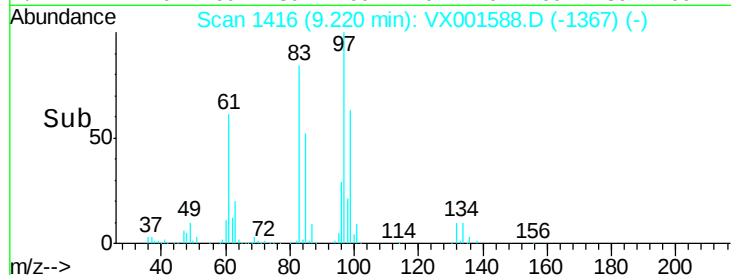
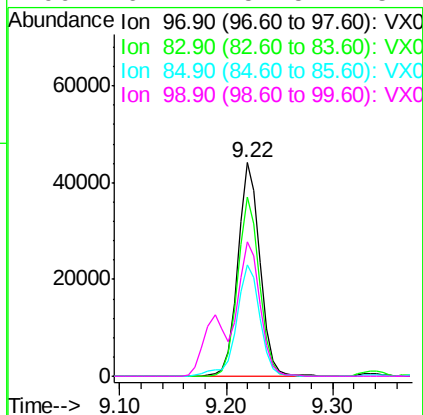
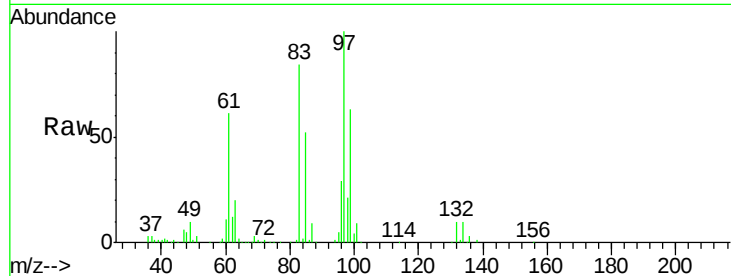
ClientSampleId :

VX0509WBSD02

Tot Ion:	97	Resp:	64260
Ion	Ratio	Lower	Upper
97	100		
83	83.8	67.4	101.0
85	52.2	43.3	64.9
99	62.7	52.5	78.7

Manual Integrations
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#56

Ethyl methacrylate

Concen: 20.79 ug/l

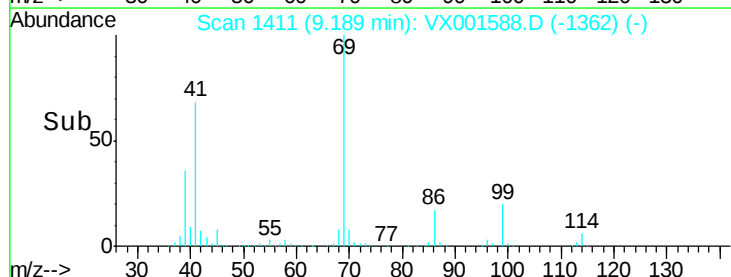
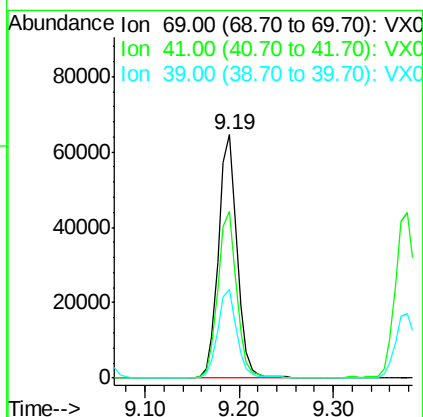
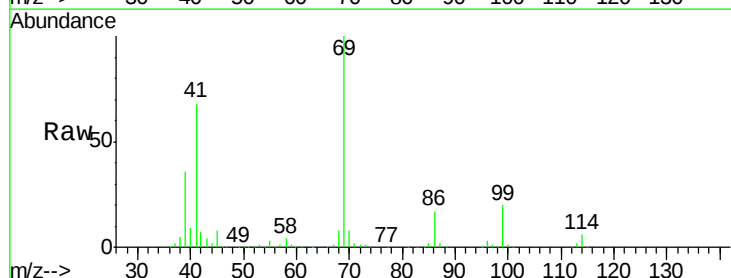
RT: 9.19 min Scan# 1411

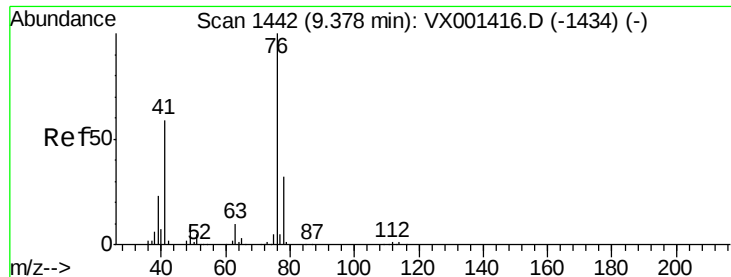
Delta R.T. 0.00 min

Lab File: VX001588.D

Acq: 10 May 2018 06:27

Tgt Ion:	69	Resp:	89252
Ion	Ratio	Lower	Upper
69	100		
41	68.8	55.1	82.7
39	37.0	29.9	44.9





#57

1,3-Dichloropropane

Concen: 21.58 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX001588.D

Acq: 10 May 2018 06:27

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD02

Tot Ion: 76 Resp: 106286

Ion Ratio Lower Upper

76 100

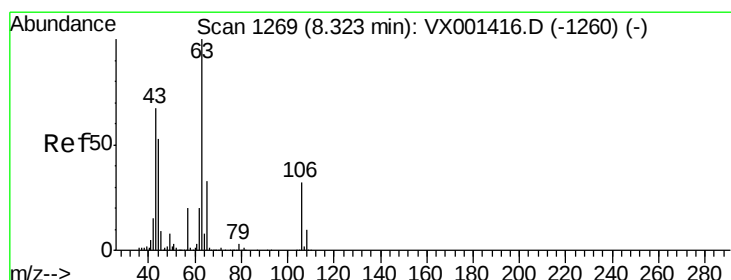
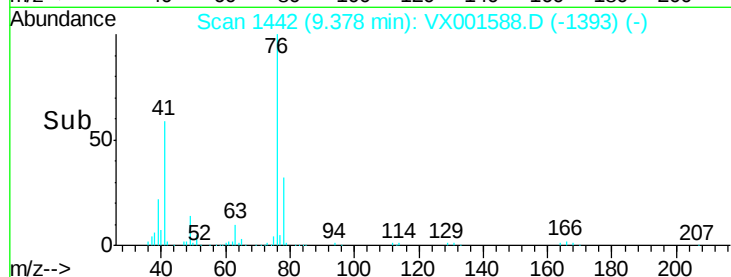
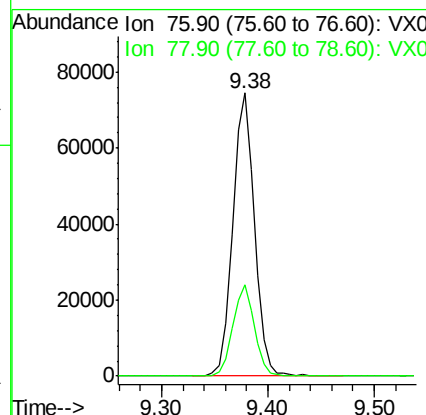
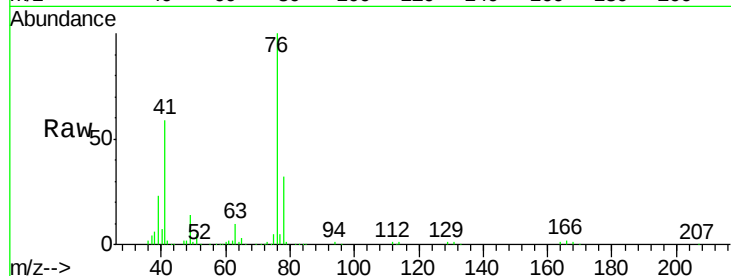
78 32.0 25.8 38.6

Manual Integrations

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5/10/2018 1:52:02 PM



#58

2-Chloroethyl Vinyl ether

Concen: 112.35 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX001588.D

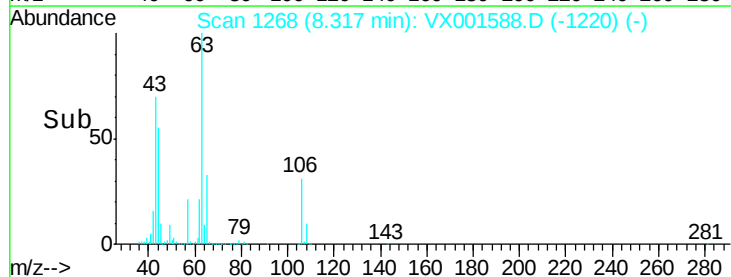
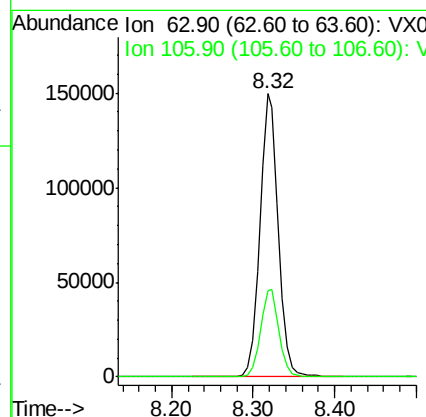
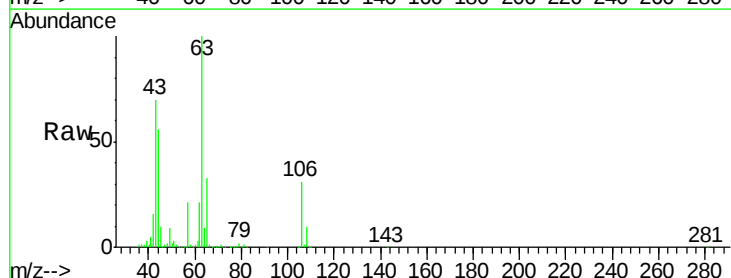
Acq: 10 May 2018 06:27

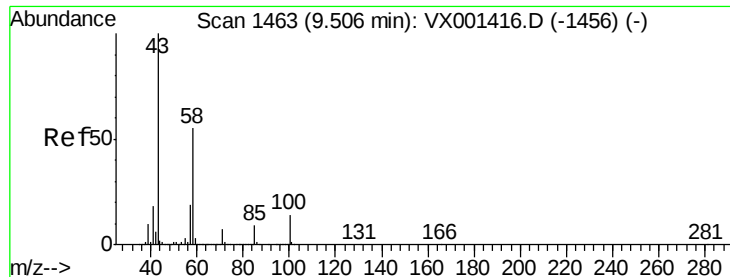
Tgt Ion: 63 Resp: 236588

Ion Ratio Lower Upper

63 100

106 31.2 25.4 38.0





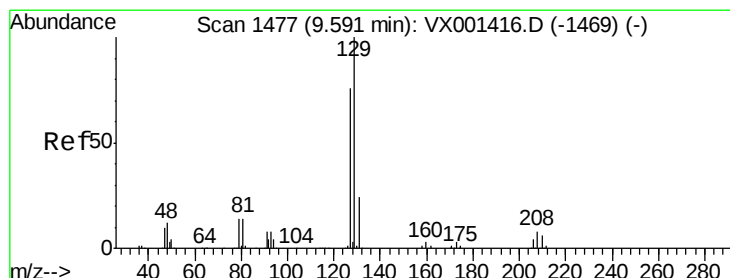
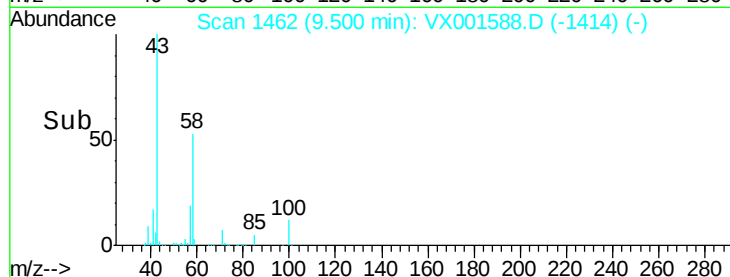
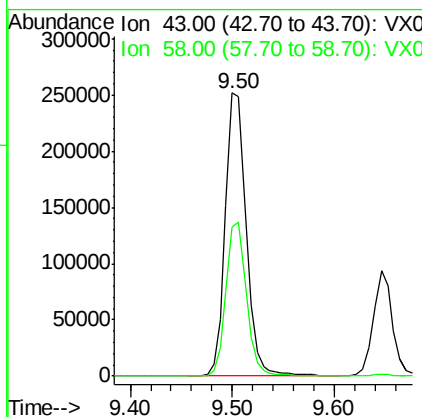
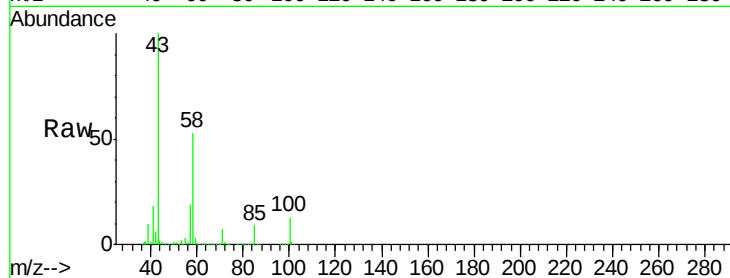
#59
2-Hexanone
Concen: 108.16 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX001588.D
Acq: 10 May 2018 06:27

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.7	27.1	81.2

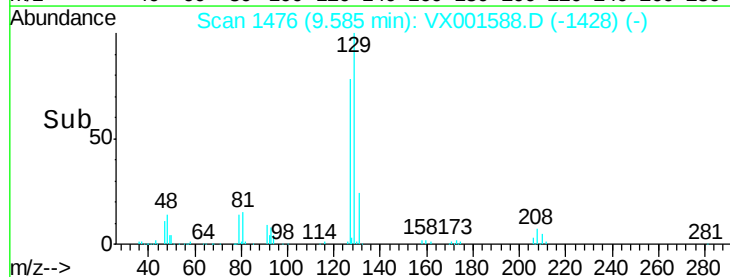
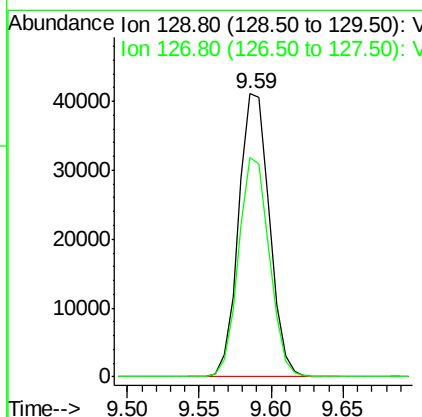
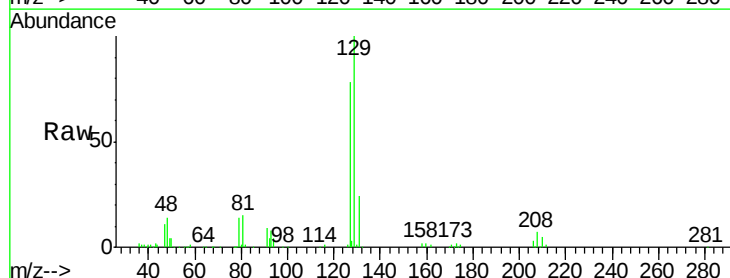
Manual Integrations
APPROVED

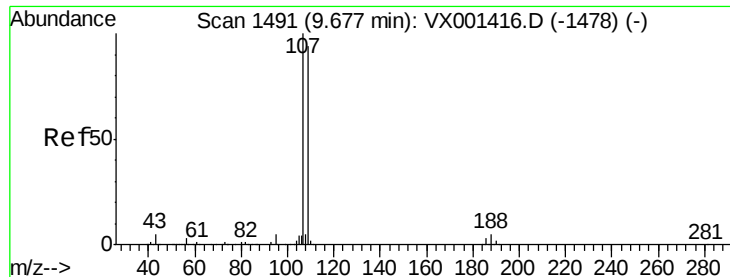
MMDadoda
5/10/2018 1:52:02 PM



#60
Dibromochloromethane
Concen: 20.02 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001588.D
Acq: 10 May 2018 06:27

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.1	114.5





#61

1,2-Dibromoethane

Concen: 21.41 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001588.D

Acq: 10 May 2018 06:27

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD02

Tot Ion: 107 Resp: 66956

Ion Ratio Lower Upper

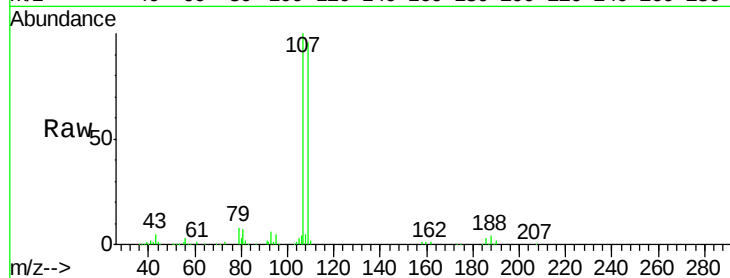
107 100

109 94.5 75.5 113.3

Manual Integrations
APPROVED

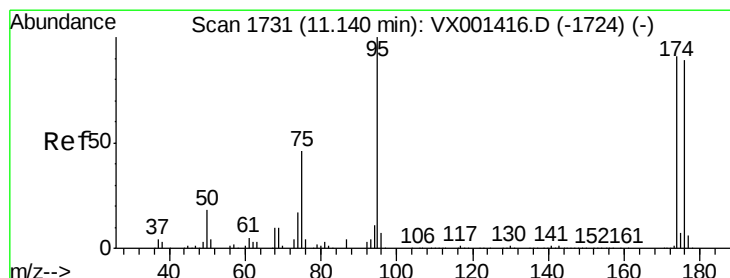
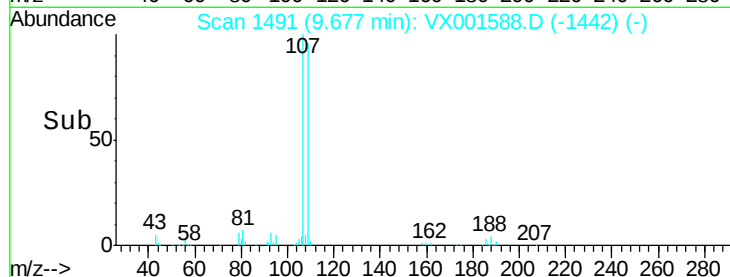
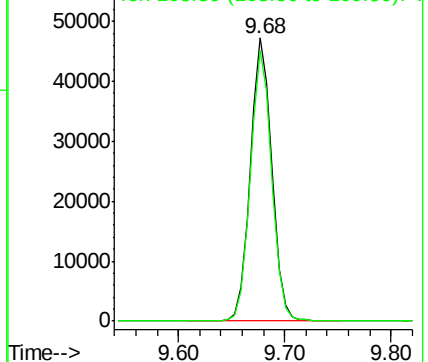
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.36 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001588.D

Acq: 10 May 2018 06:27

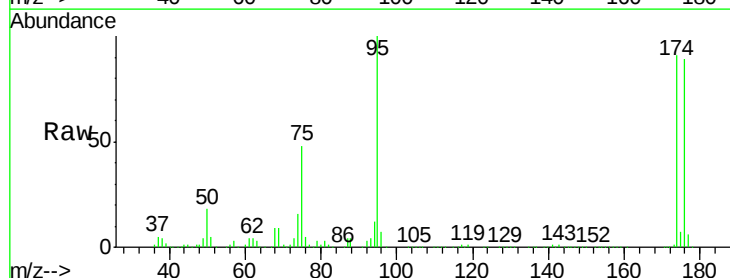
Tgt Ion: 95 Resp: 175847

Ion Ratio Lower Upper

95 100

174 99.1 0.0 202.0

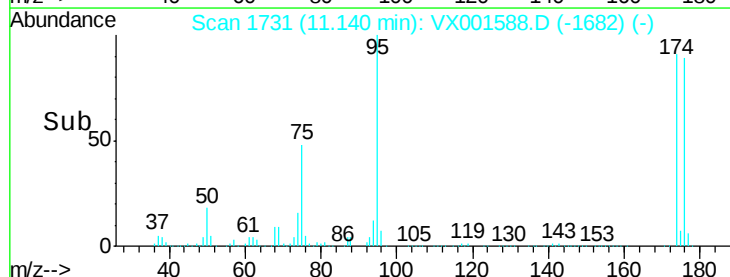
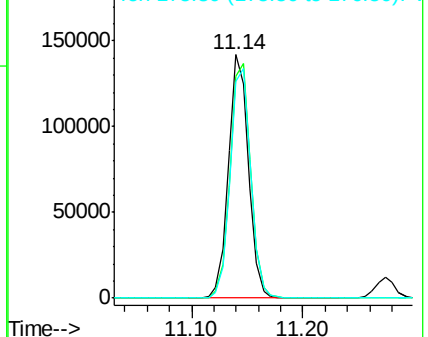
176 97.0 0.0 197.4

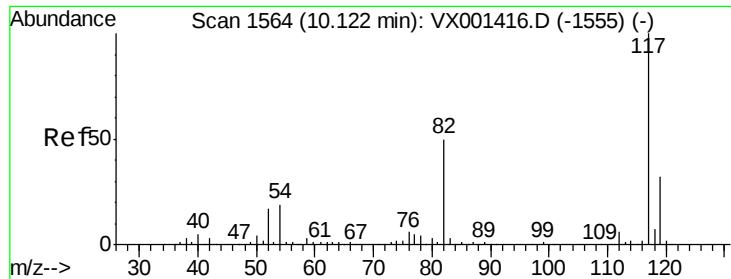


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





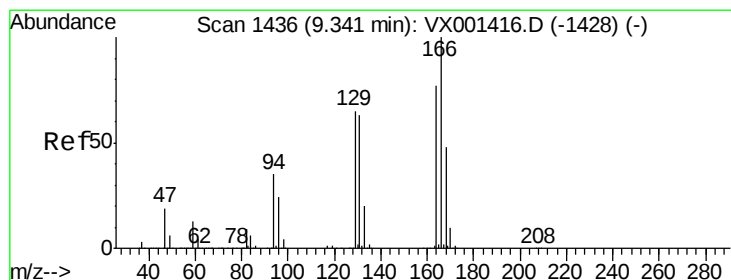
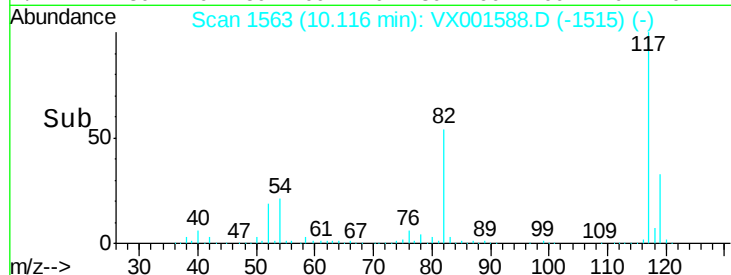
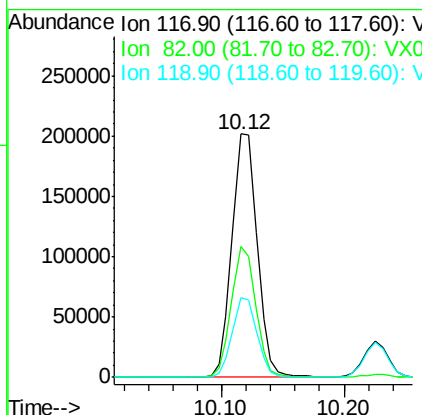
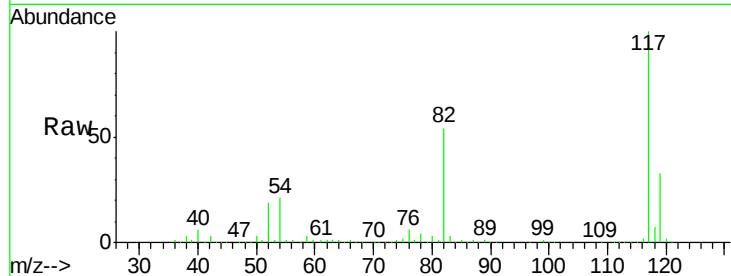
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001588.D
Acq: 10 May 2018 06:27

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	40.0	60.0
119	32.7	25.8	38.8

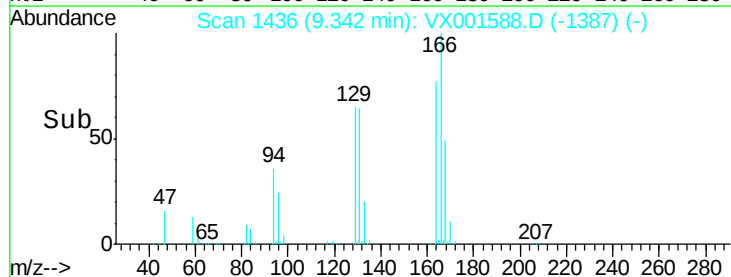
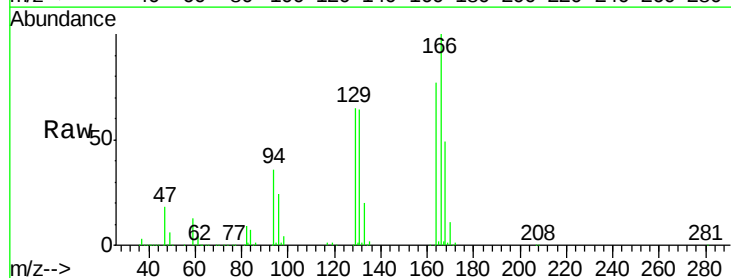
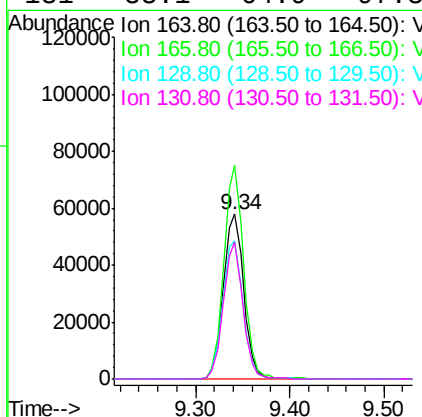
Manual Integrations
APPROVED

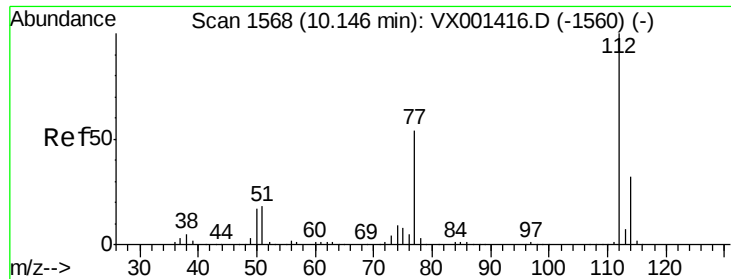
MMDadoda
5/10/2018 1:52:02 PM



#64
Tetrachloroethene
Concen: 21.68 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001588.D
Acq: 10 May 2018 06:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	103.5	155.3
129	83.9	66.7	100.1
131	83.1	64.9	97.3





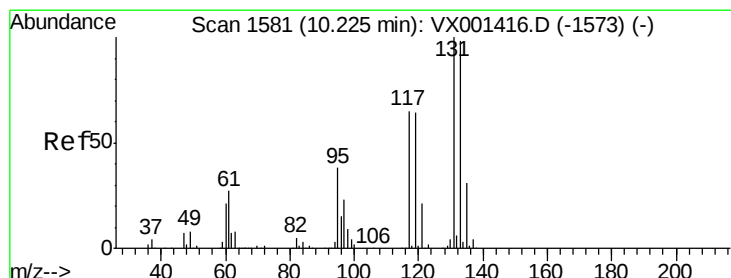
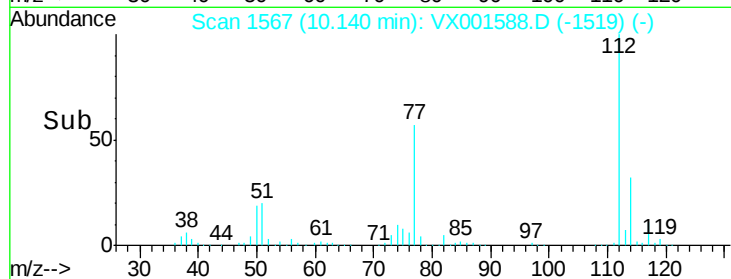
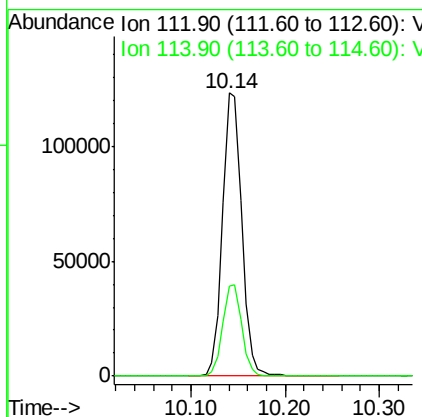
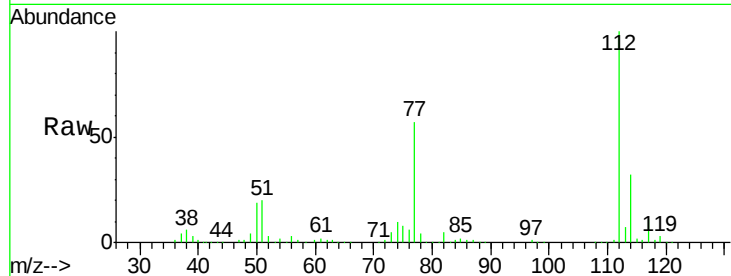
#65
Chlorobenzene
Concen: 20.73 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX001588.D
Acq: 10 May 2018 06:27

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD02

Tot Ion:112 Resp: 175700
Ion Ratio Lower Upper
112 100
114 31.8 26.0 39.0

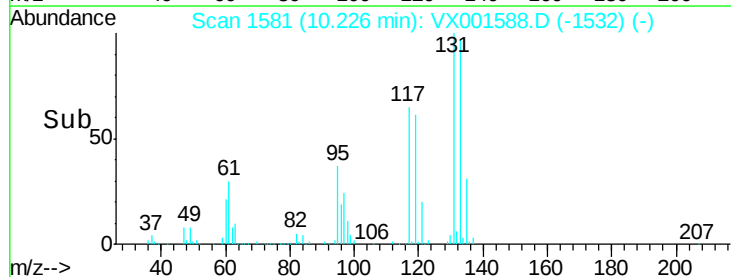
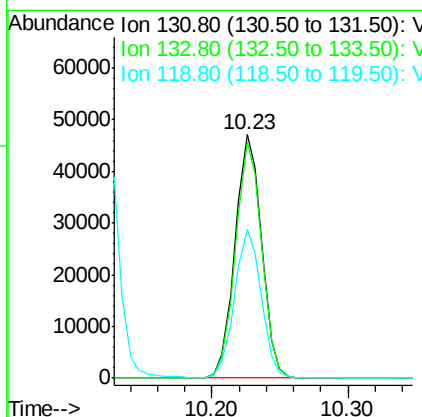
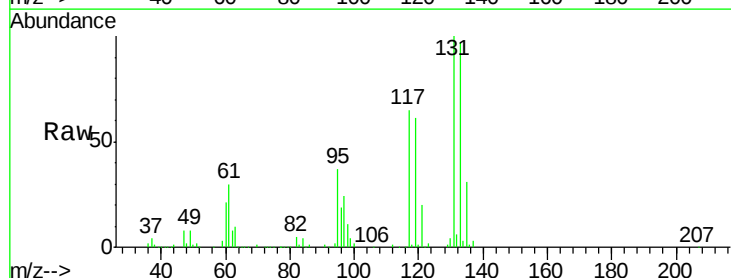
Manual Integrations
APPROVED

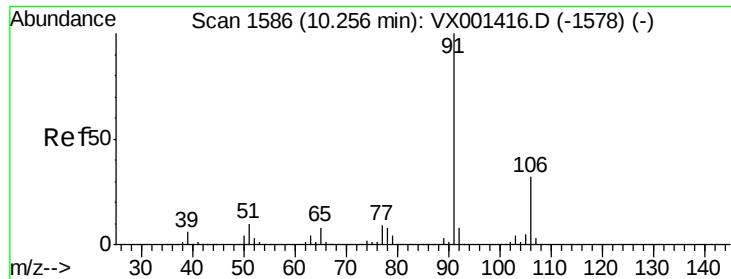
MMDadoda
5/10/2018 1:52:02 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.06 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX001588.D
Acq: 10 May 2018 06:27

Tgt Ion:131 Resp: 63832
Ion Ratio Lower Upper
131 100
133 95.6 47.9 143.8
119 61.3 31.1 93.3





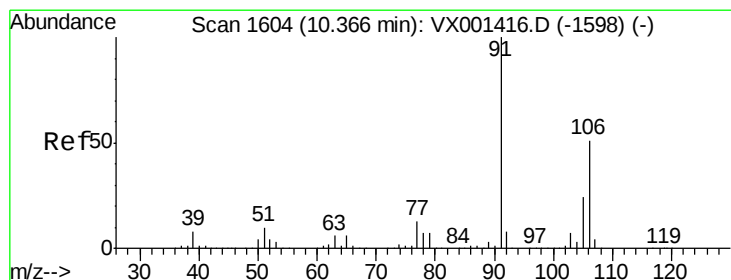
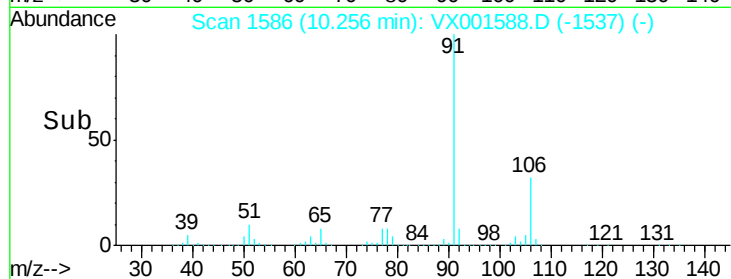
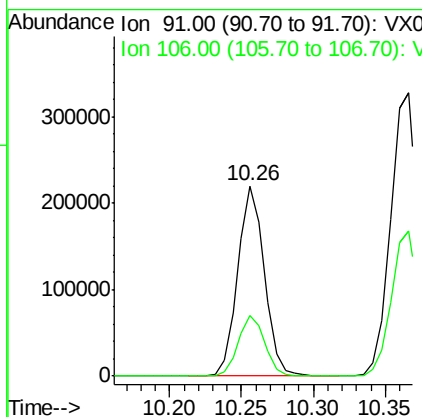
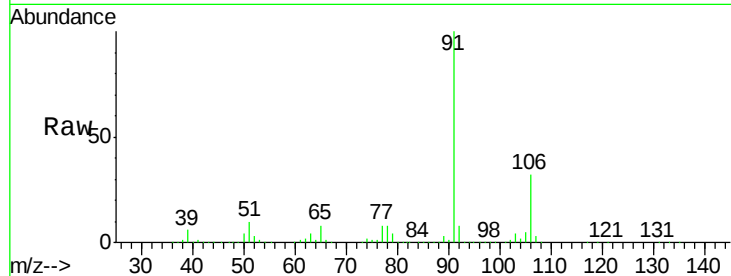
#67
Ethyl Benzene
Concen: 20.41 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001588.D
Acq: 10 May 2018 06:27

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD02

Tot Ion: 91 Resp: 283537
Ion Ratio Lower Upper
91 100
106 31.6 25.5 38.3

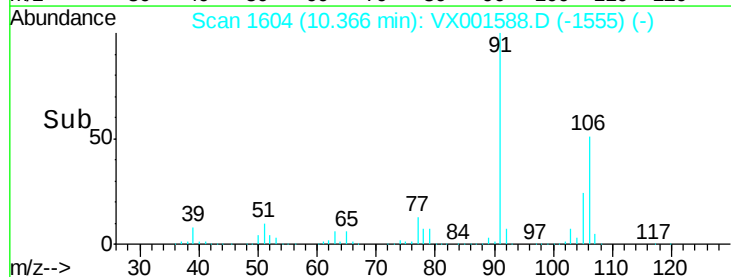
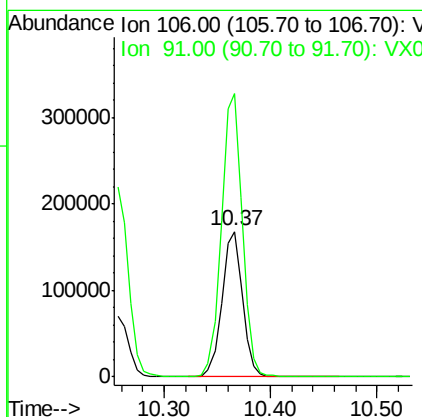
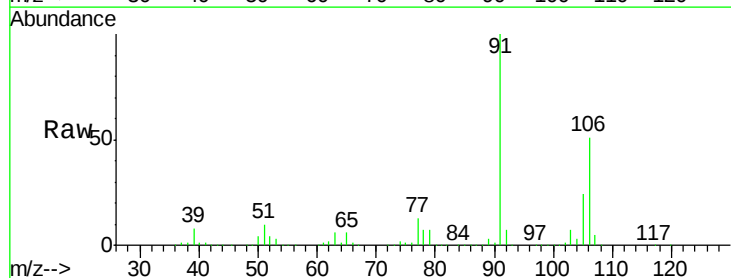
Manual Integrations
APPROVED

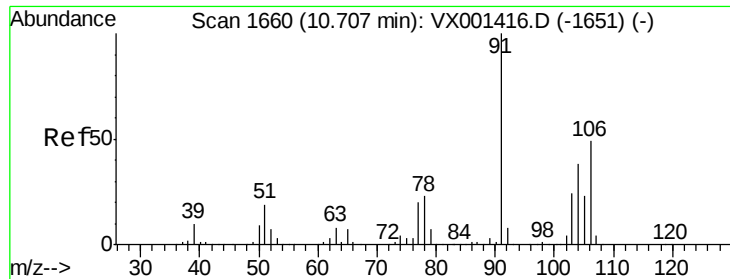
MMDadoda
5/10/2018 1:52:02 PM



#68
m/p-Xylenes
Concen: 41.12 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001588.D
Acq: 10 May 2018 06:27

Tgt Ion: 106 Resp: 225658
Ion Ratio Lower Upper
106 100
91 198.9 157.5 236.3





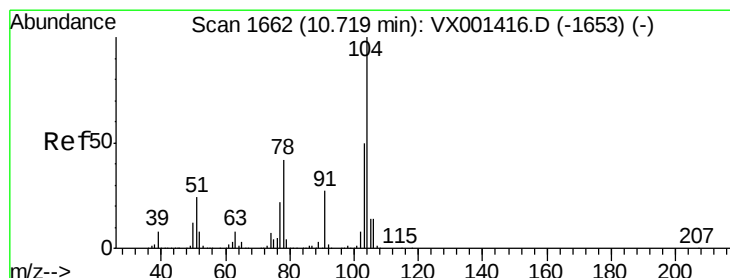
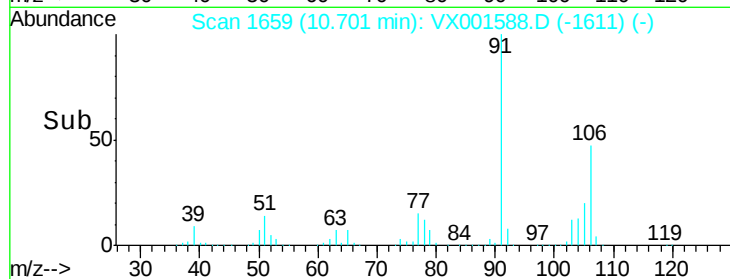
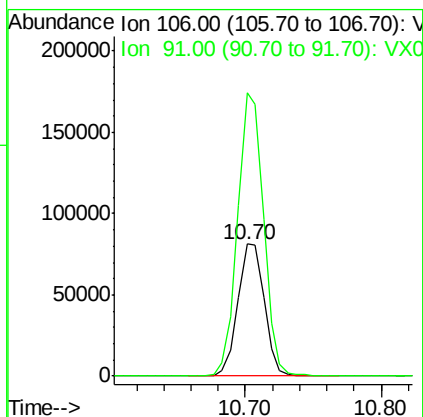
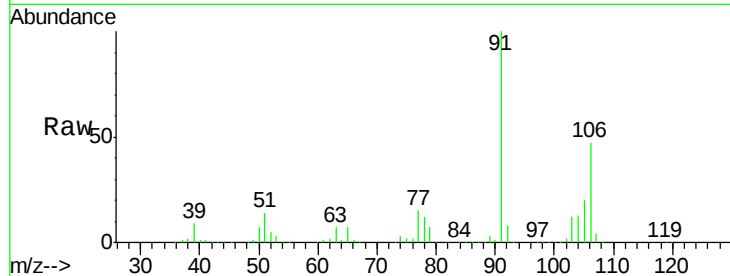
#69
o-Xylene
Concen: 20.64 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX001588.D
Acq: 10 May 2018 06:27

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD02

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.8	103.1	309.1

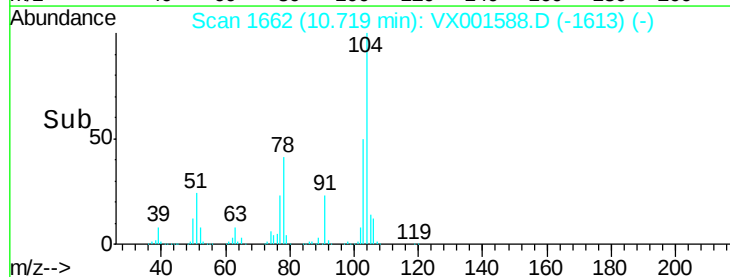
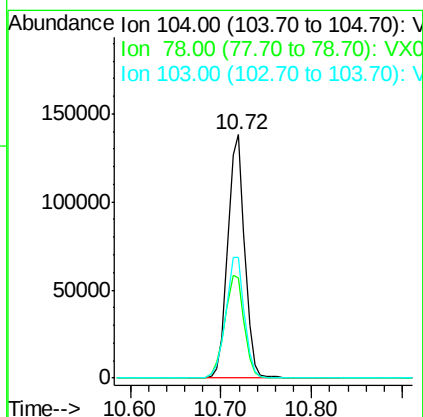
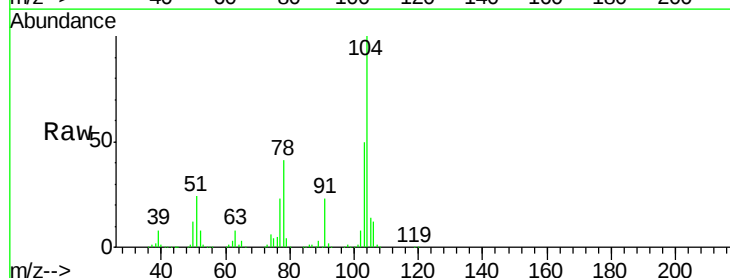
Manual Integrations
APPROVED

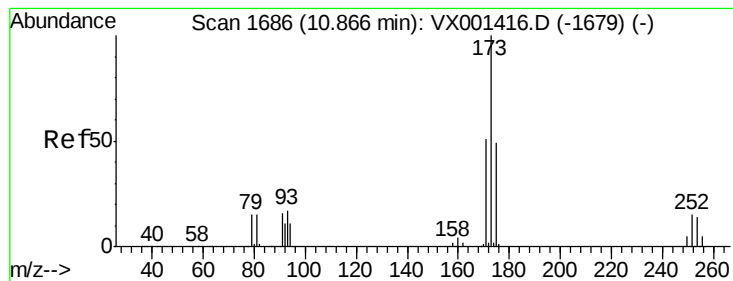
MMDadoda
5/10/2018 1:52:02 PM



#70
Styrene
Concen: 20.76 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001588.D
Acq: 10 May 2018 06:27

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.4	38.6	58.0
103	55.2	44.0	66.0





#71

Bromoform

Concen: 18.49 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX001588.D

Acq: 10 May 2018 06:27

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD02

Tot Ion:173 Resp: 46838

Ion Ratio Lower Upper

173 100

175 49.5 24.5 73.5

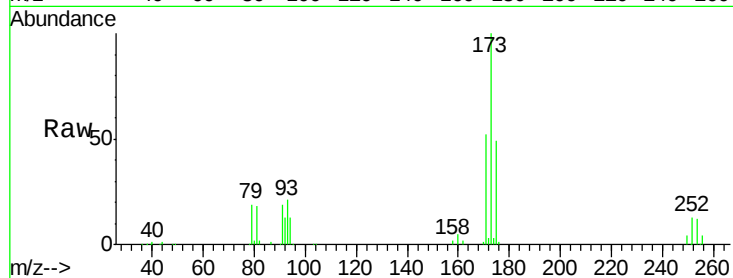
254 0.2 0.2 0.2

Manual Integrations

APPROVED

MMDadoda

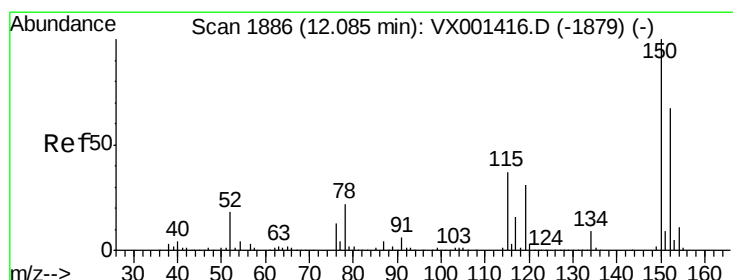
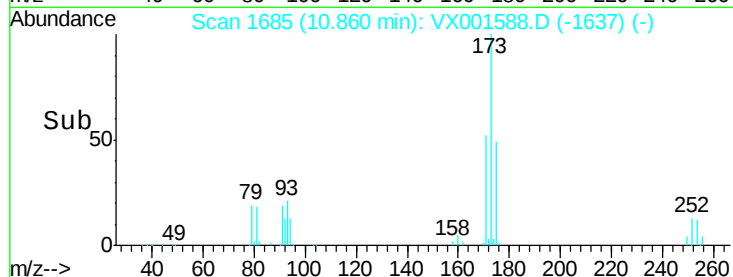
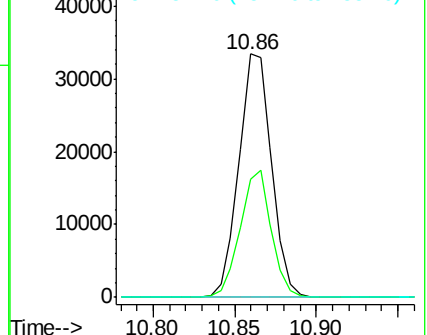
5/10/2018 1:52:02 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001588.D

Acq: 10 May 2018 06:27

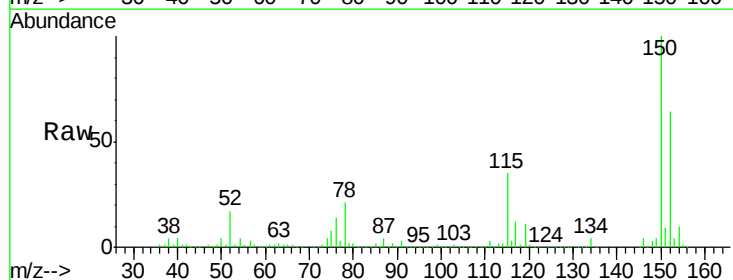
Tgt Ion:152 Resp: 199148

Ion Ratio Lower Upper

152 100

115 63.1 37.7 113.1

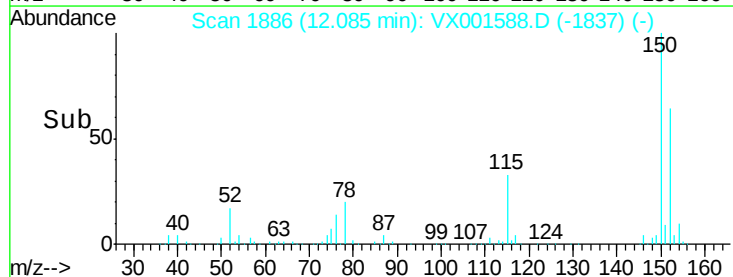
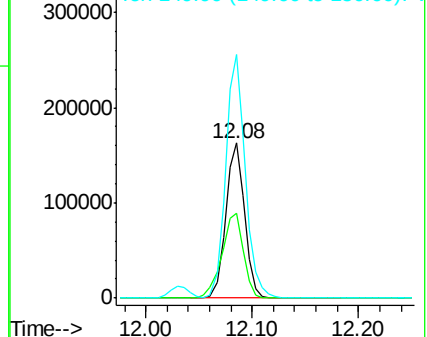
150 163.9 0.0 349.4

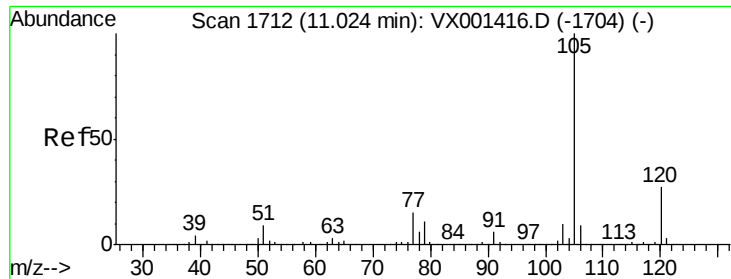


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.49 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001588.D

Acq: 10 May 2018 06:27

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD02

Tot Ion:105 Resp: 296241

Ion Ratio Lower Upper

105 100

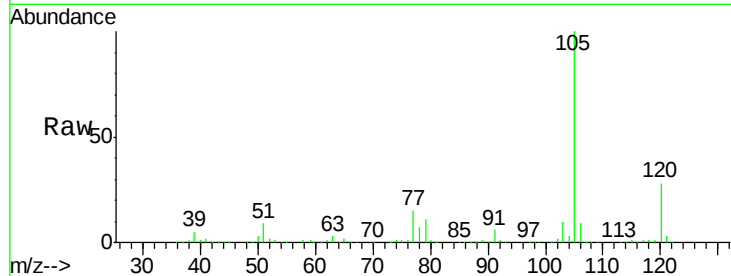
120 27.9 13.6 40.8

Manual Integrations

APPROVED

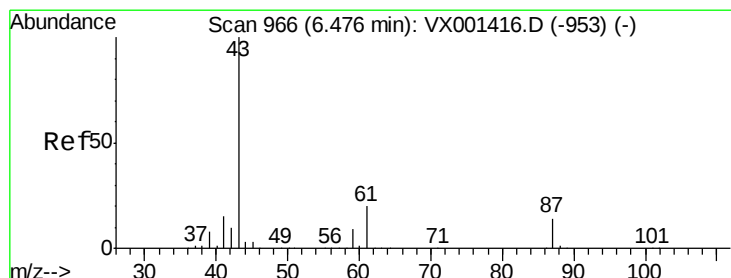
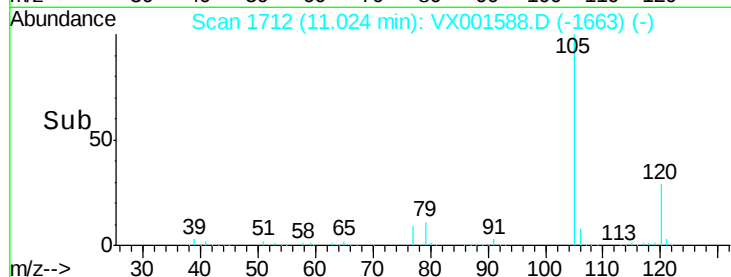
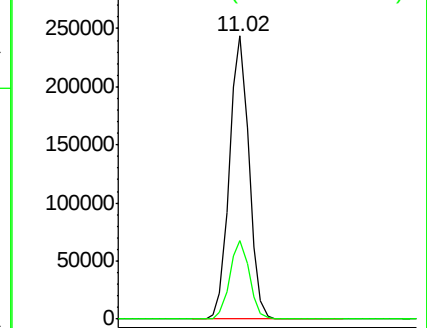
MMDadoda

5/10/2018 1:52:02 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.12 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001588.D

Acq: 10 May 2018 06:27

Tgt Ion: 43 Resp: 138529

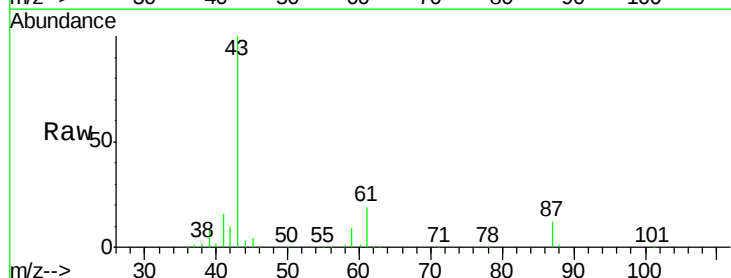
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 19.3 15.4 23.0

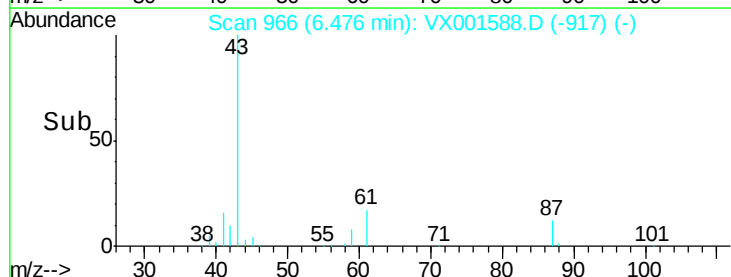
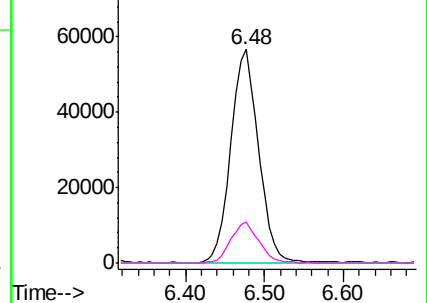


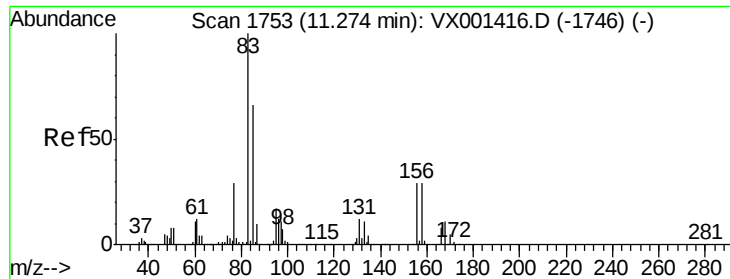
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.14 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001588.D

Acq: 10 May 2018 06:27

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD02

Tot Ion: 83 Resp: 90171

Ion Ratio Lower Upper

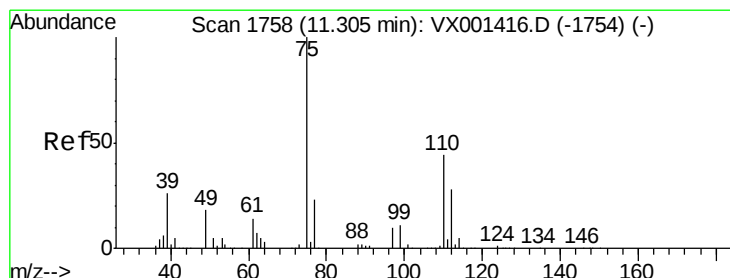
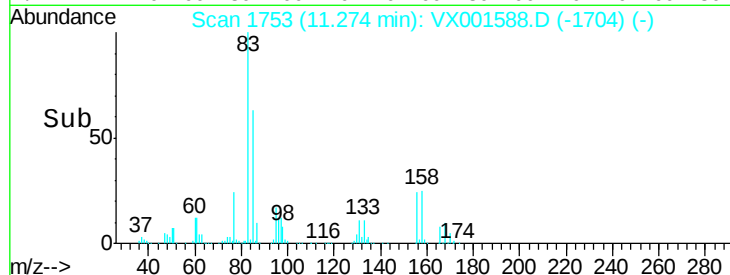
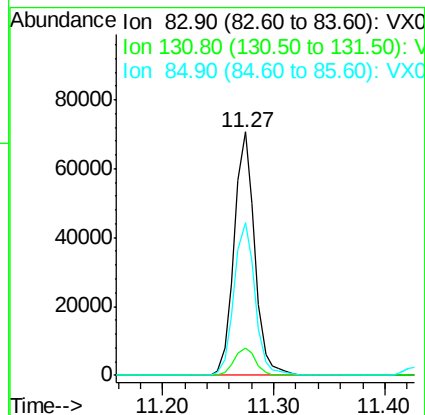
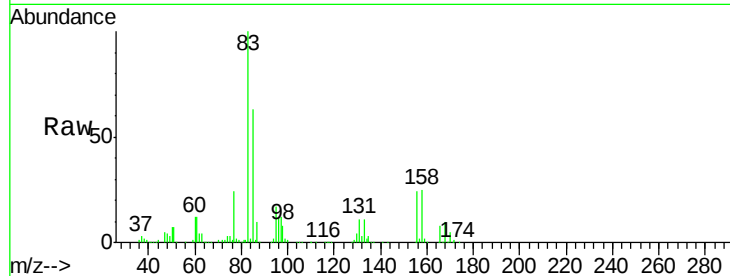
83 100

131 11.8 5.8 17.4

85 64.3 32.7 98.1

Manual Integrations
APPROVED

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#76

1,2,3-Trichloropropane

Concen: 21.64 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VX001588.D

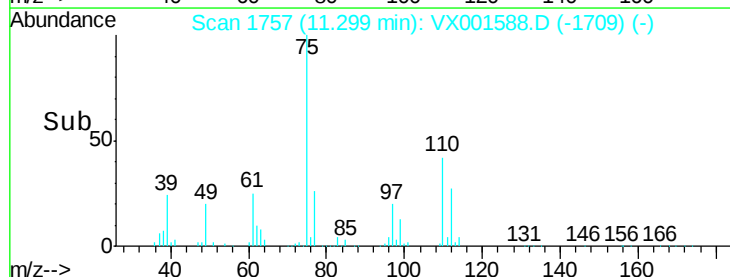
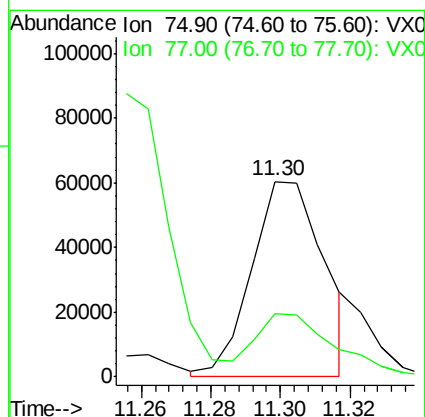
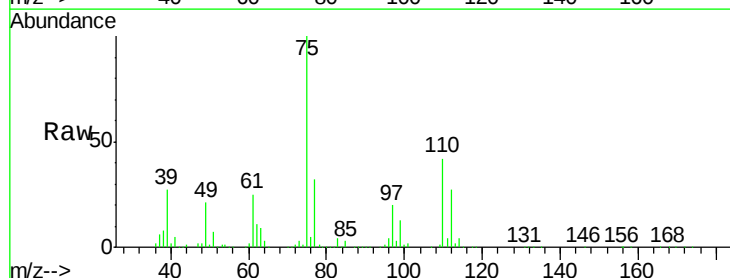
Acq: 10 May 2018 06:27

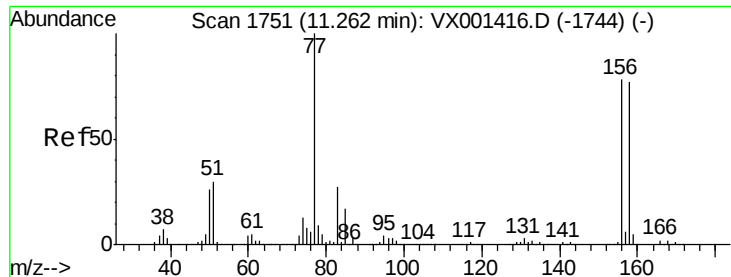
Tgt Ion: 75 Resp: 87417

Ion Ratio Lower Upper

75 100

77 34.9 19.6 58.7





#77

Bromobenzene

Concen: 20.98 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001588.D

Acq: 10 May 2018 06:27

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD02

Tot Ion:156 Resp: 84094

Ion Ratio Lower Upper

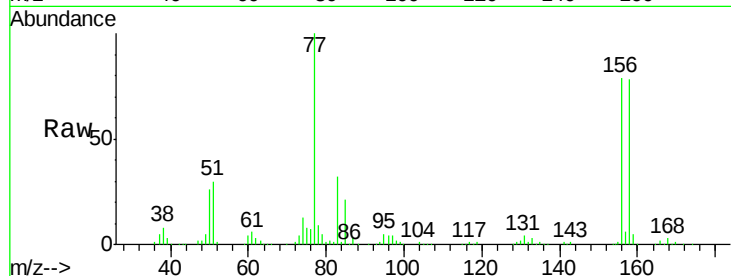
156 100

77 137.1 66.0 198.2

158 99.8 49.4 148.2

Manual Integrations
APPROVED

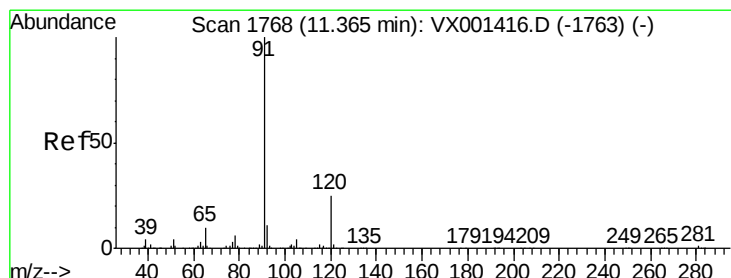
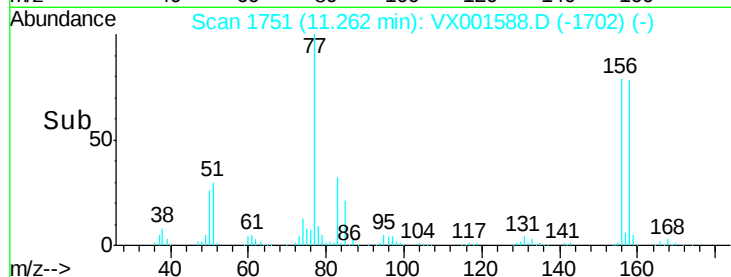
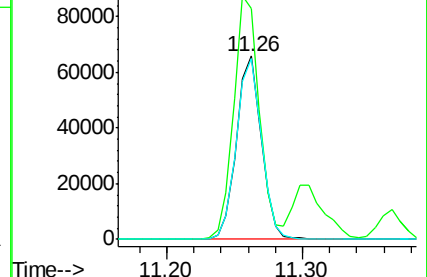
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.41 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001588.D

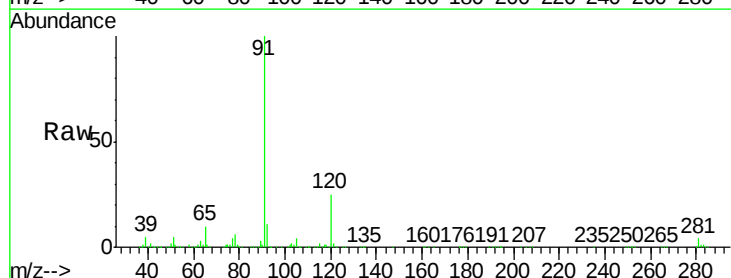
Acq: 10 May 2018 06:27

Tgt Ion: 91 Resp: 321376

Ion Ratio Lower Upper

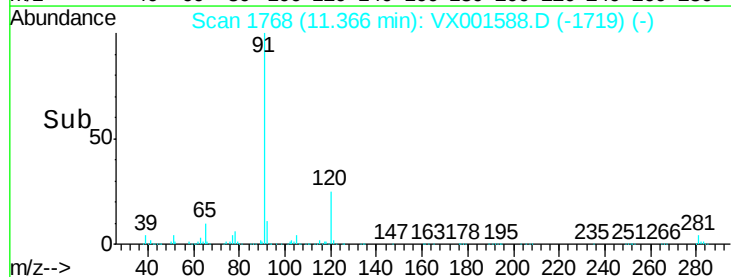
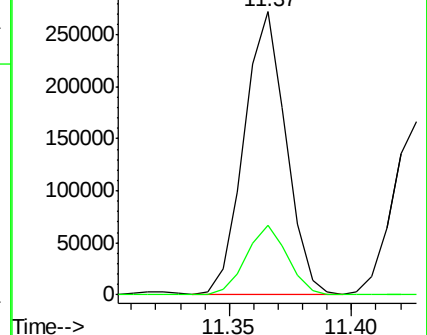
91 100

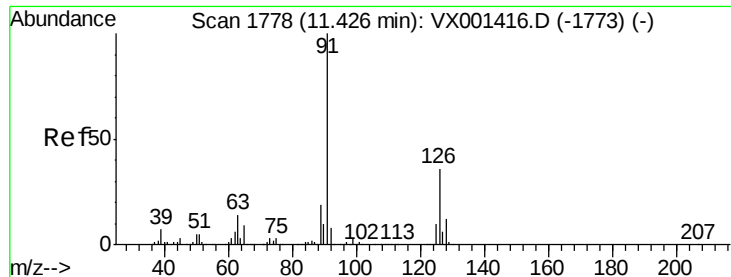
120 24.5 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.73 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001588.D

Acq: 10 May 2018 06:27

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD02

Tot Ion: 91 Resp: 200777

Ion Ratio Lower Upper

91 100

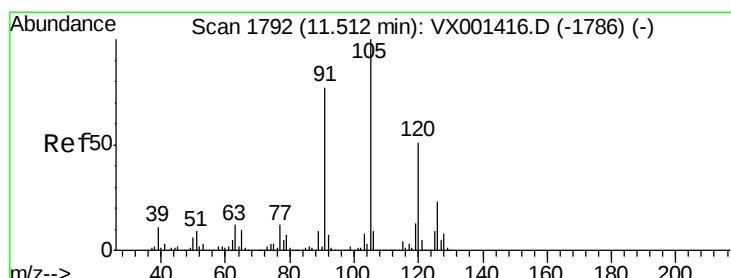
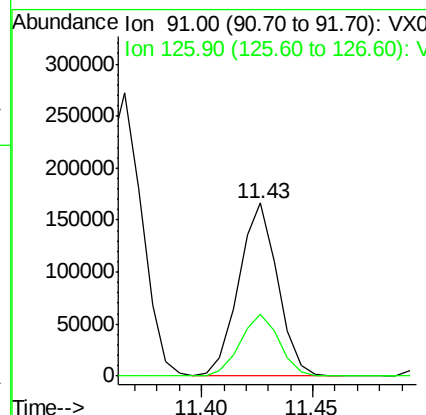
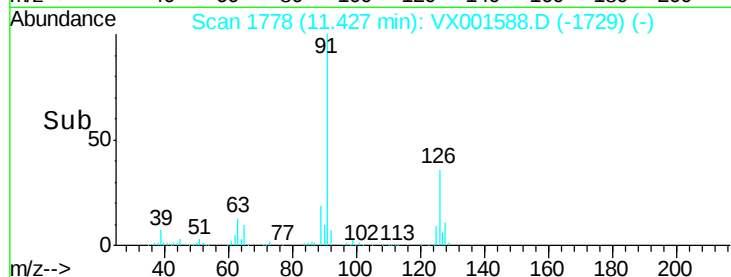
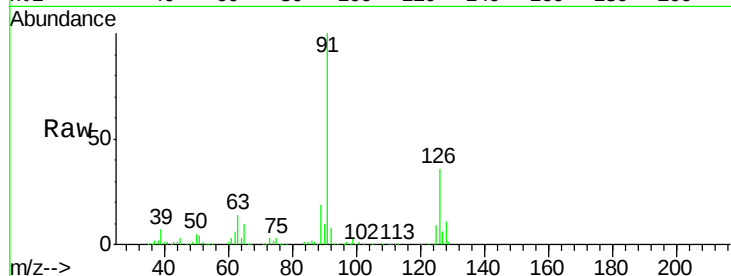
126 36.2 18.1 54.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.60 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001588.D

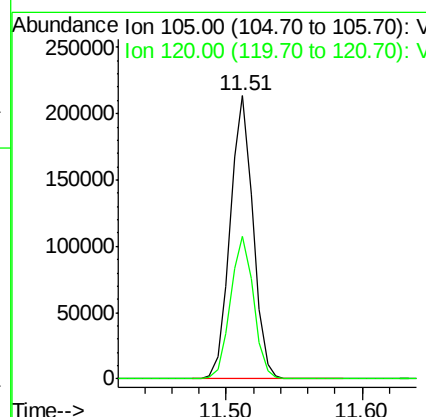
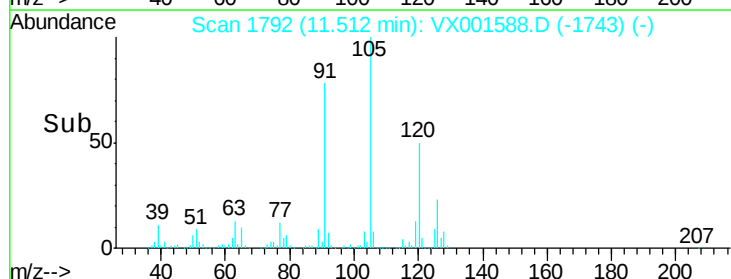
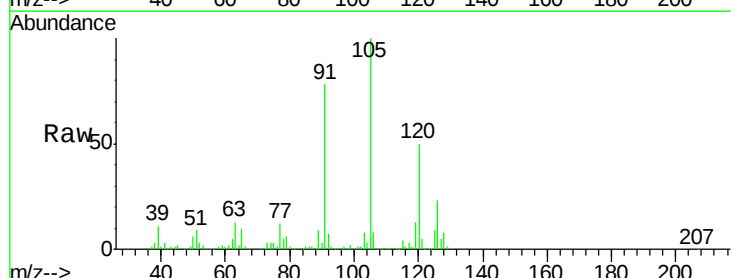
Acq: 10 May 2018 06:27

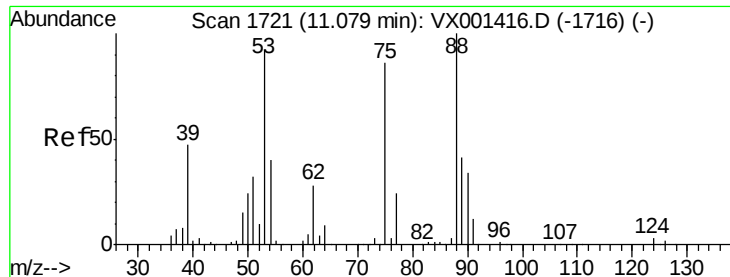
Tgt Ion: 105 Resp: 247975

Ion Ratio Lower Upper

105 100

120 50.9 25.7 77.1





#81

trans-1,4-Dichloro-2-butene

Concen: 16.43 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001588.D

Acq: 10 May 2018 06:27

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD02

Tot Ion: 75 Resp: 16827

Ion Ratio Lower Upper

75 100

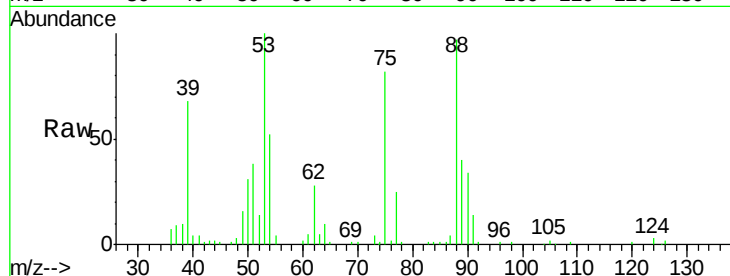
53 125.5 84.5 126.7

89 47.2 39.5 59.3

Manual Integrations
APPROVED

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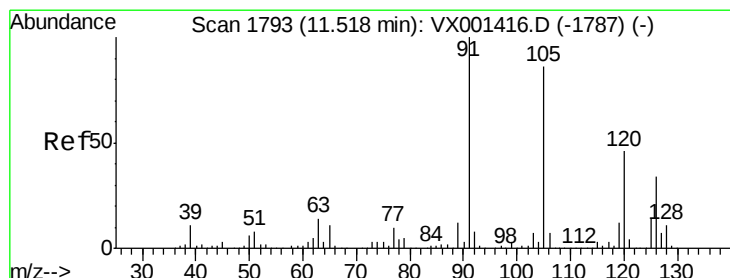
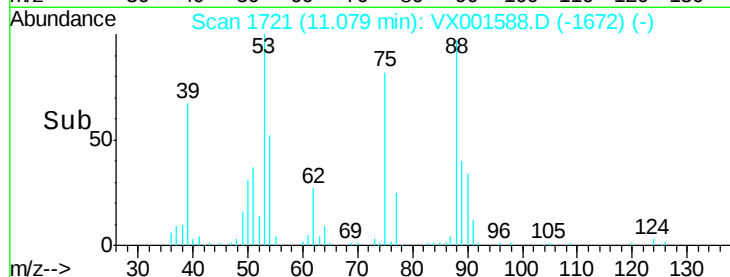
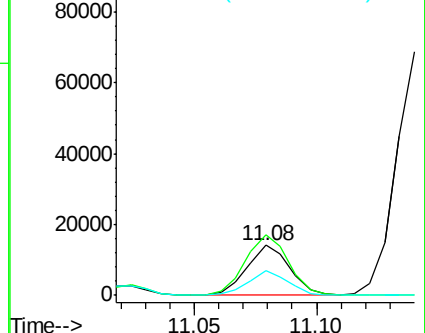
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 21.66 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX001588.D

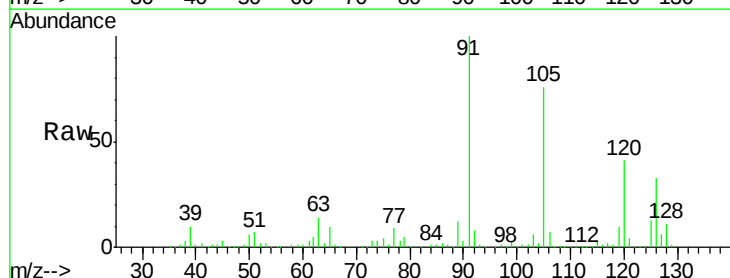
Acq: 10 May 2018 06:27

Tgt Ion: 91 Resp: 230793

Ion Ratio Lower Upper

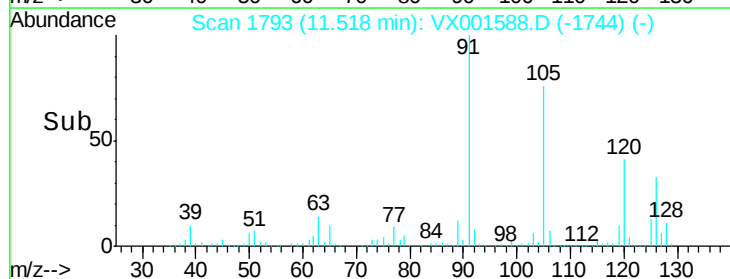
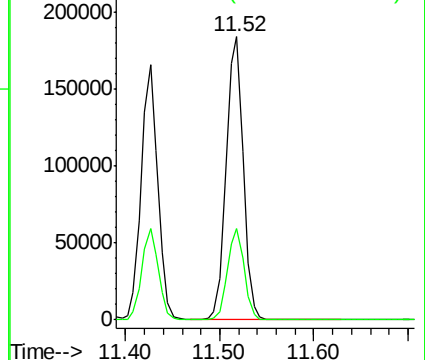
91 100

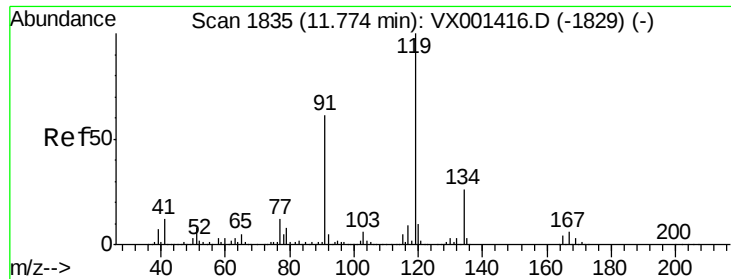
126 31.5 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





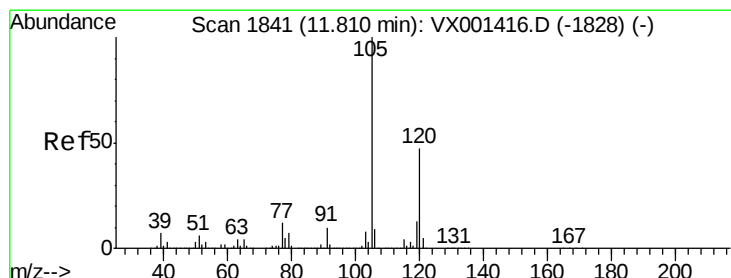
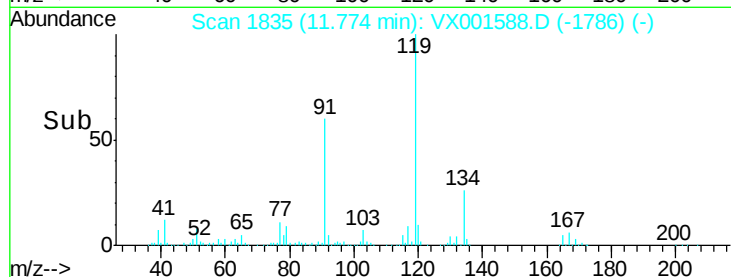
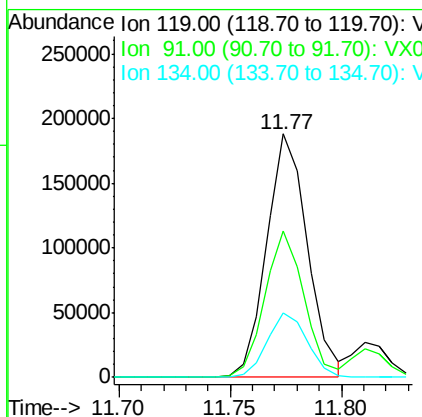
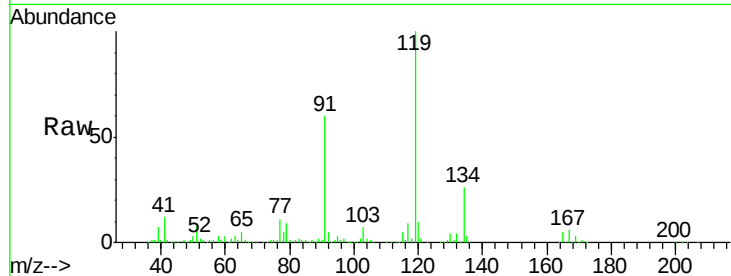
#83
tert-Butylbenzene
Concen: 20.90 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX001588.D
Acq: 10 May 2018 06:27

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.3	27.8	83.3
134	26.1	12.4	37.0

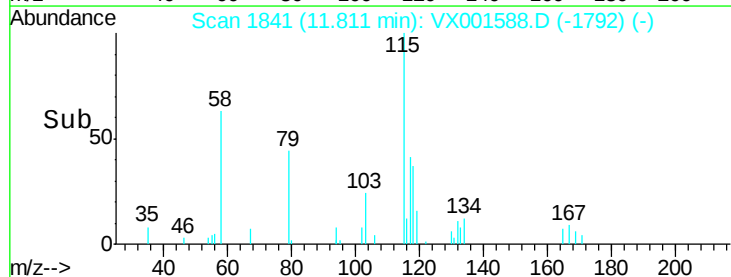
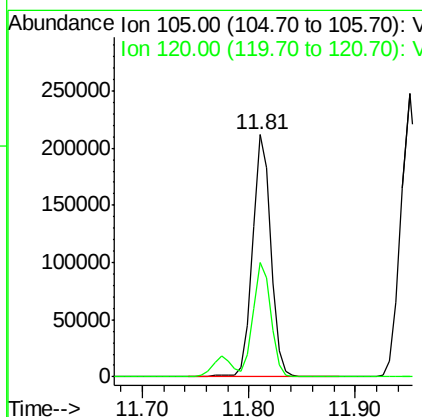
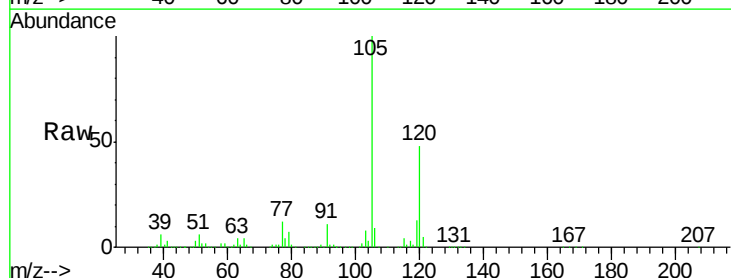
Manual Integrations
APPROVED

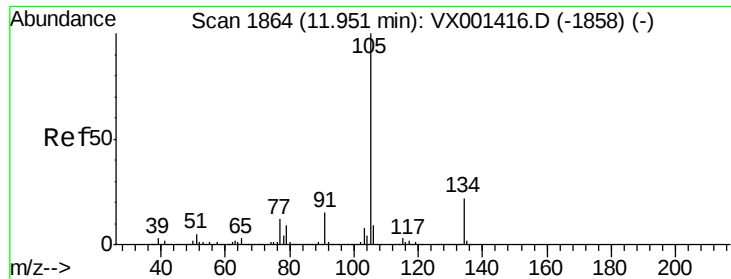
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#84
1,2,4-Trimethylbenzene
Concen: 21.58 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX001588.D
Acq: 10 May 2018 06:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.4	70.2





#85

sec-Butylbenzene

Concen: 21.44 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001588.D

Acq: 10 May 2018 06:27

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD02

Tot Ion:105 Resp: 293917

Ion Ratio Lower Upper

105 100

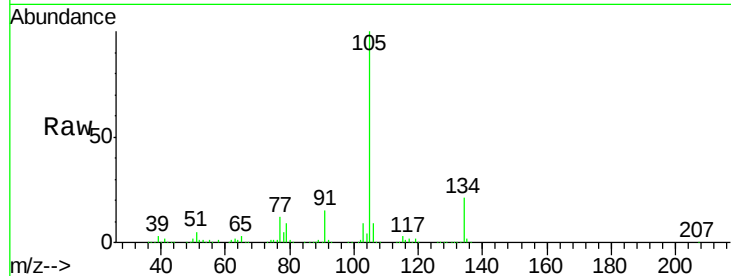
134 21.3 10.9 32.9

Manual Integrations

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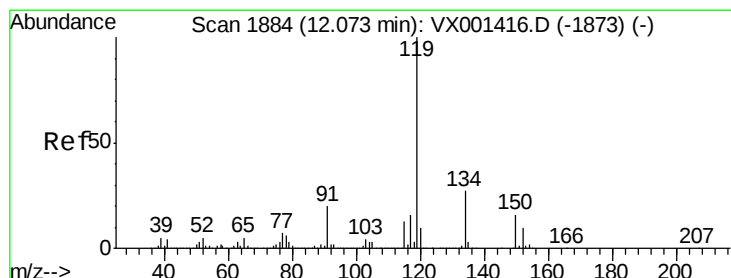
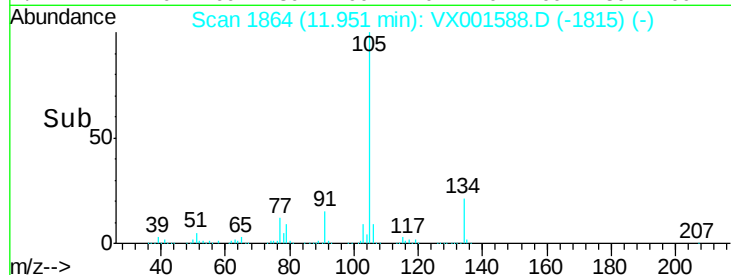
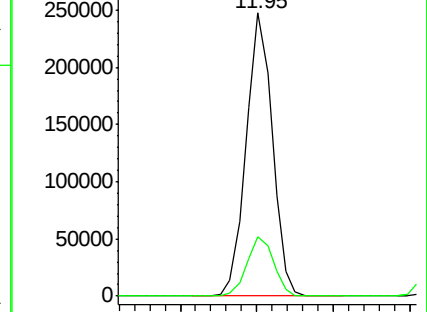
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.14 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VX001588.D

Acq: 10 May 2018 06:27

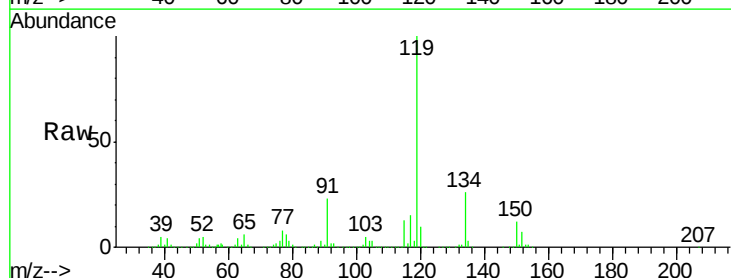
Tgt Ion:119 Resp: 265881

Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.8

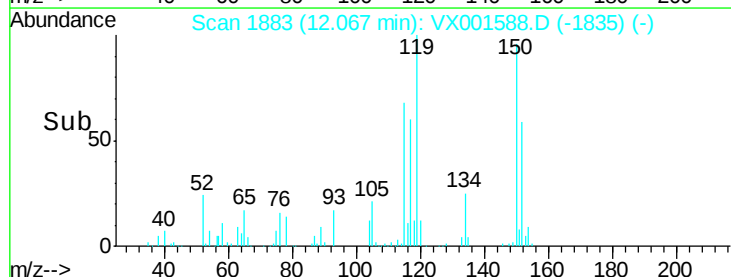
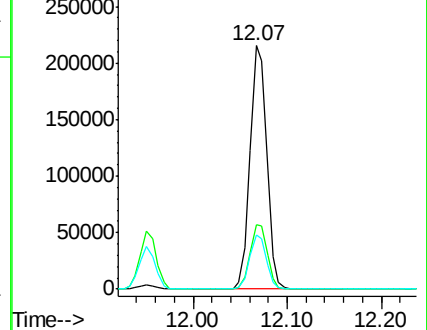
91 22.2 10.8 32.3

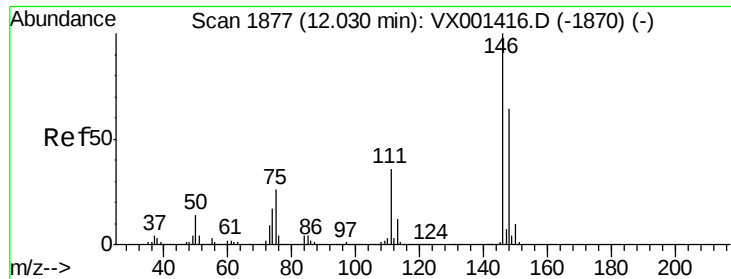


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





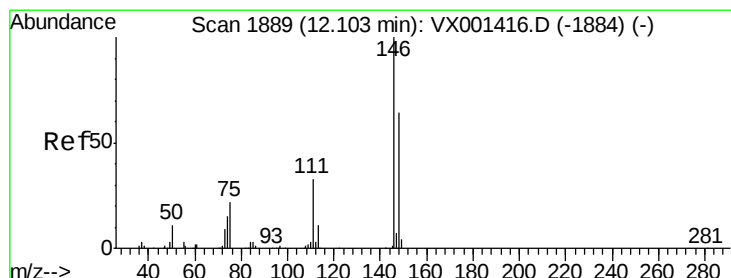
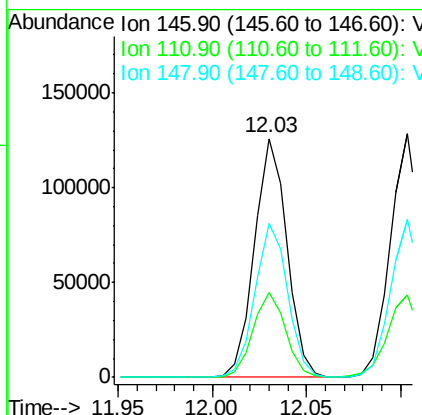
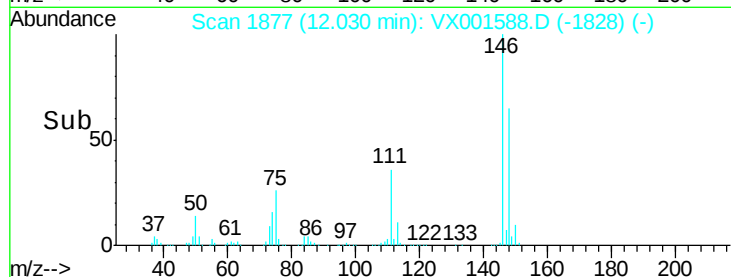
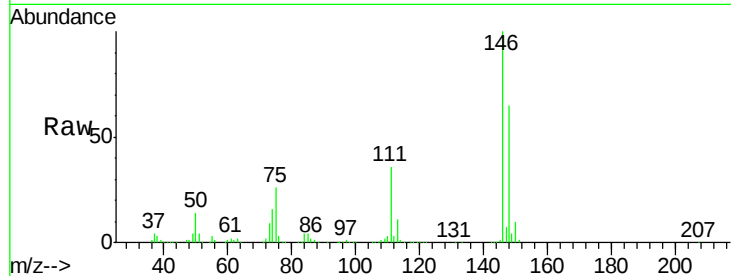
#87
 1,3-Dichlorobenzene
 Concen: 21.02 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001588.D
 Acq: 10 May 2018 06:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.6	18.1	54.1
148	64.8	32.1	96.5

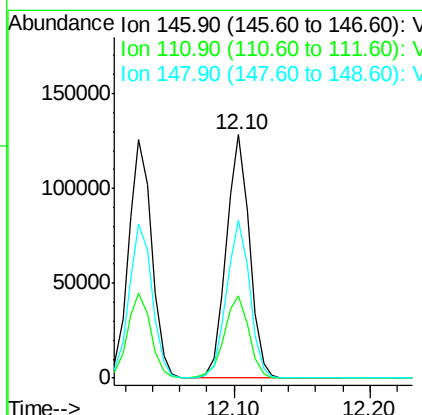
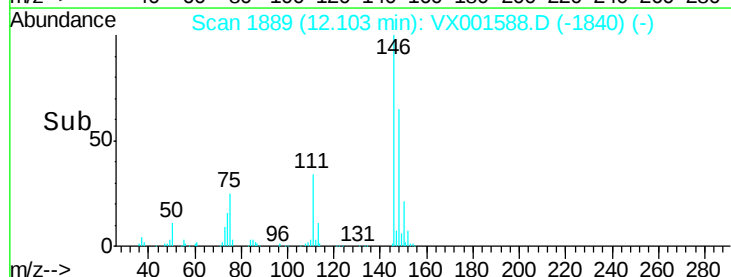
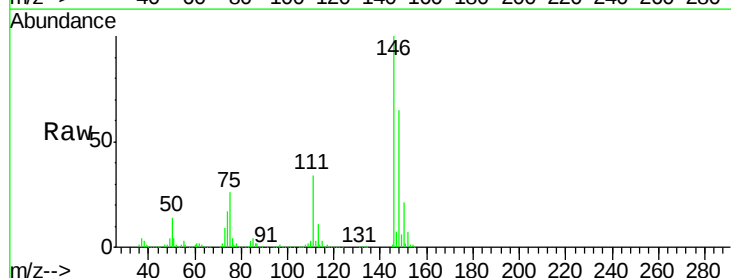
Manual Integrations
 APPROVED

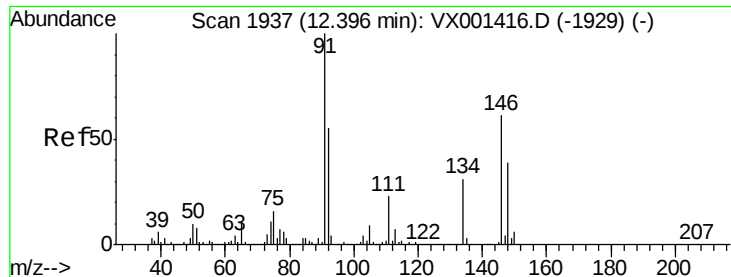
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#88
 1,4-Dichlorobenzene
 Concen: 20.76 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001588.D
 Acq: 10 May 2018 06:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	17.4	52.3
148	64.9	32.2	96.6





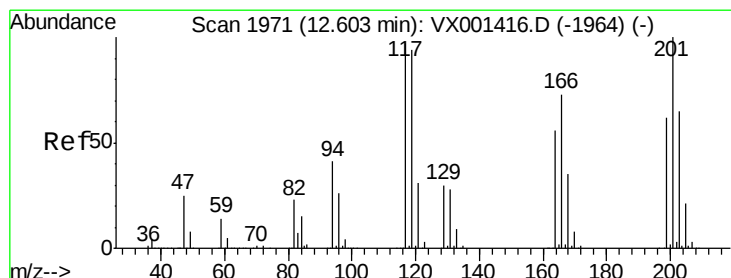
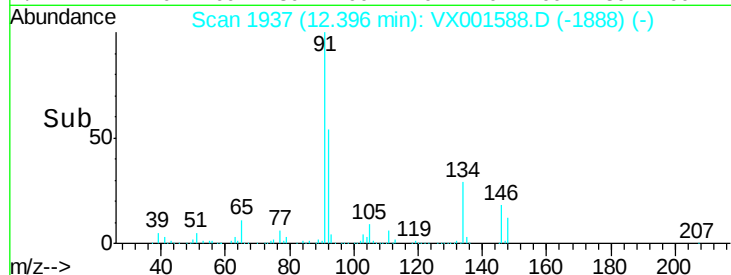
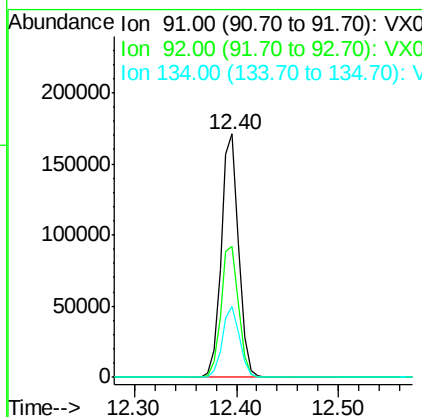
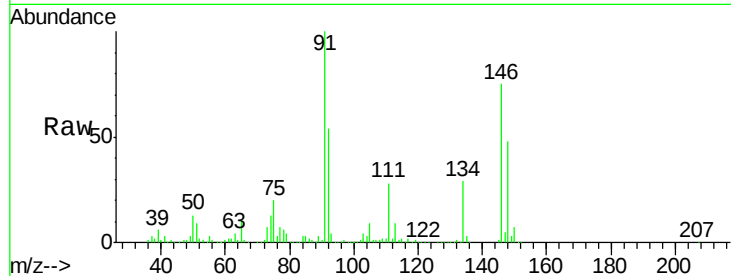
#89
n-Butylbenzene
Concen: 19.57 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001588.D
Acq: 10 May 2018 06:27

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.2	81.5
134	28.7	14.6	44.0

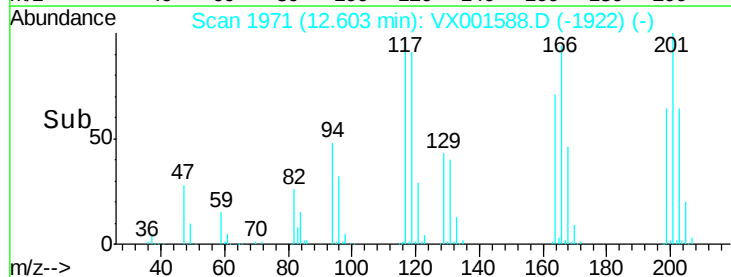
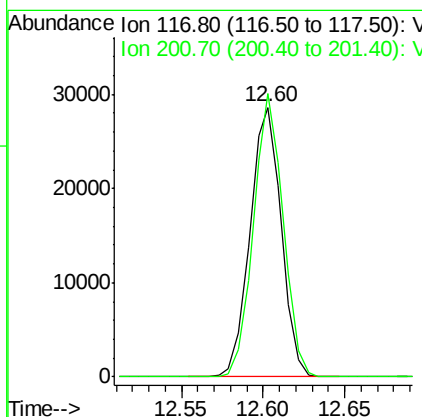
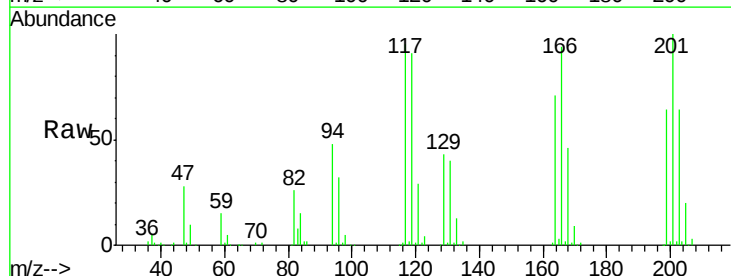
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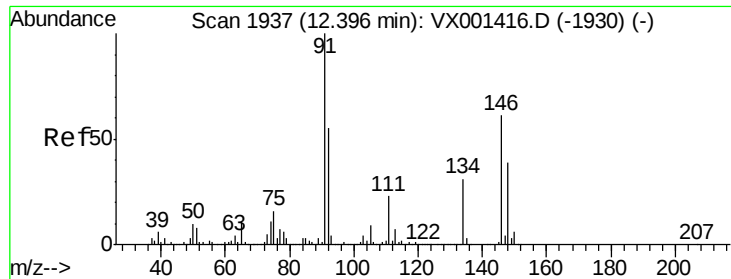
MMDadoda
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#90
Hexachloroethane
Concen: 20.06 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001588.D
Acq: 10 May 2018 06:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.7	51.5	154.5





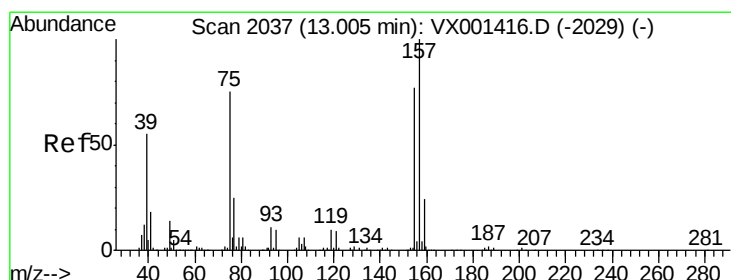
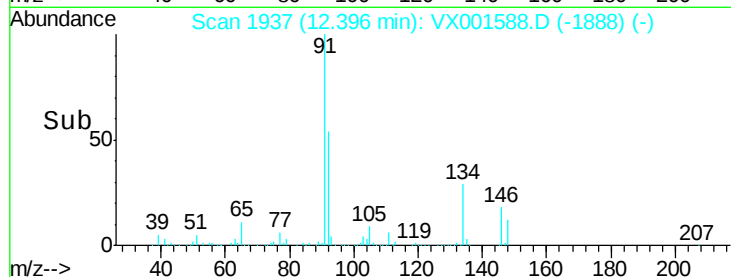
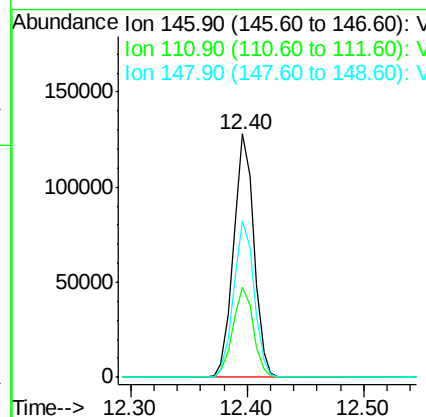
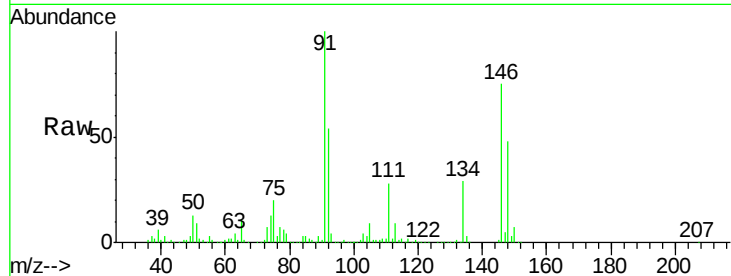
#91
 1,2-Dichlorobenzene
 Concen: 21.41 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001588.D
 Acq: 10 May 2018 06:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	156043		
111	37.1	18.6	55.8	
148	64.6	32.1	96.5	

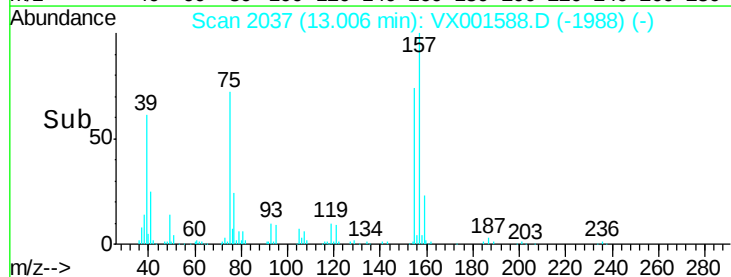
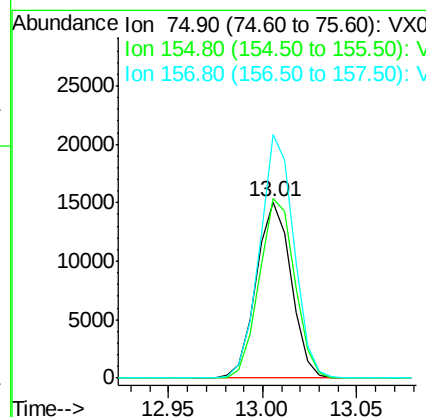
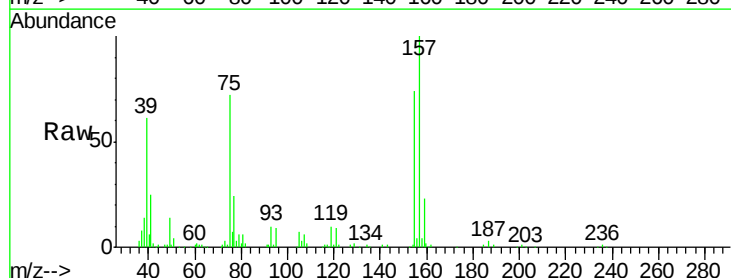
Manual Integrations
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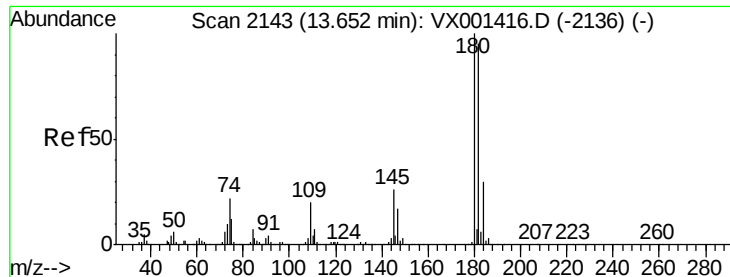
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.59 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001588.D
 Acq: 10 May 2018 06:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	19317		
155	103.5	53.4	160.2	
157	135.1	68.3	204.8	





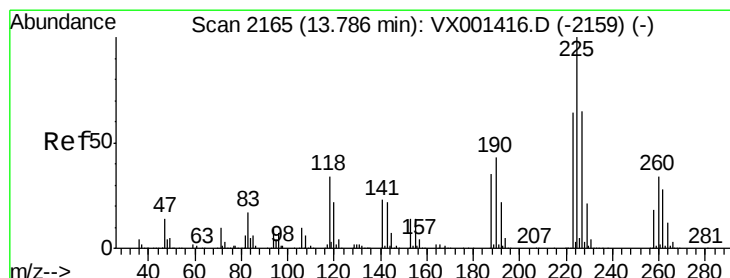
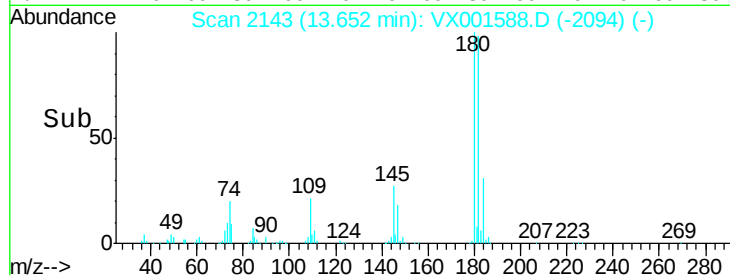
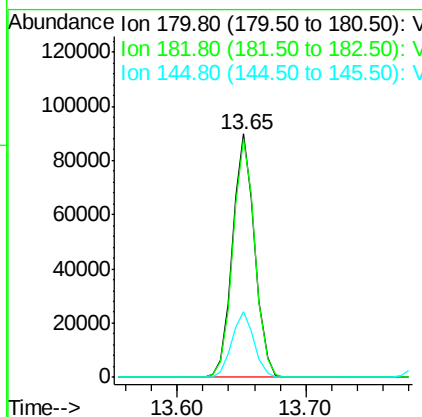
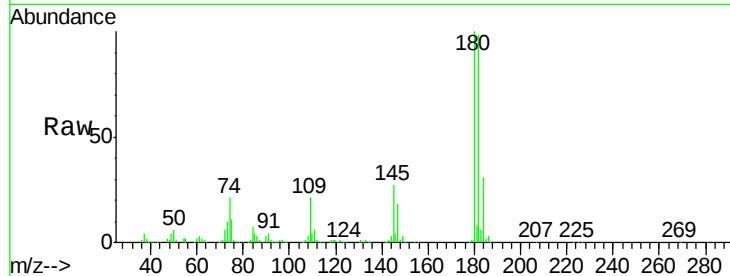
#93
 1,2,4-Trichlorobenzene
 Concen: 20.11 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001588.D
 Acq: 10 May 2018 06:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	107295		
182	98.0	47.8	143.4	
145	27.0	13.3	39.9	

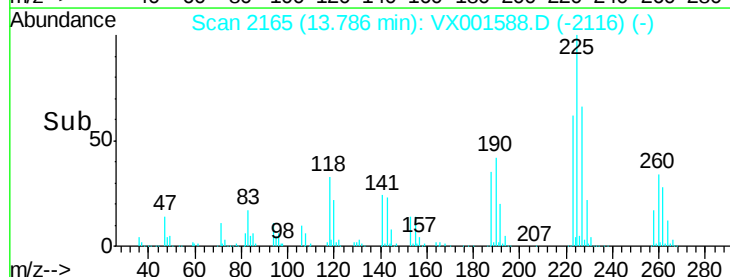
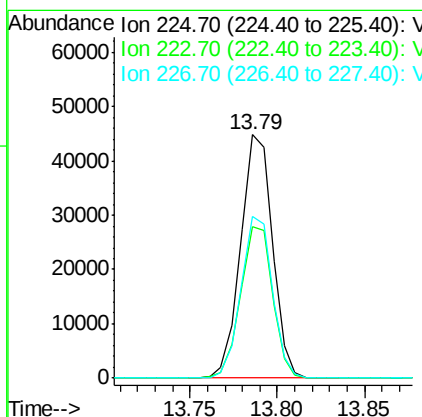
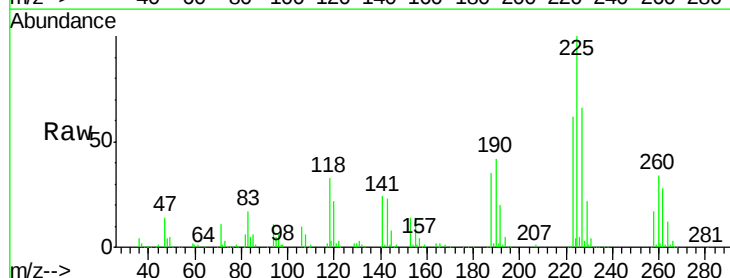
Manual Integrations
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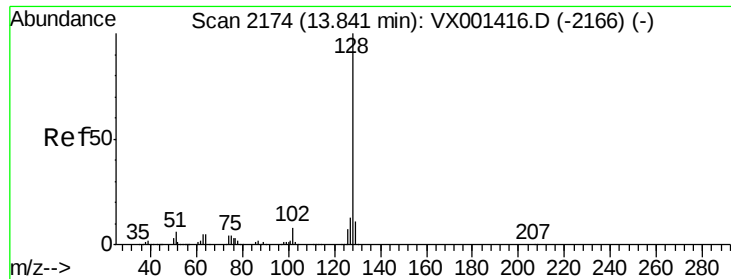
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#94
 Hexachlorobutadiene
 Concen: 19.48 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001588.D
 Acq: 10 May 2018 06:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	56869		
223	62.6	31.3	93.9	
227	65.3	32.4	97.2	





#95

Naphthalene

Concen: 21.91 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001588.D

Acq: 10 May 2018 06:27

Instrument :

MSVOA_X

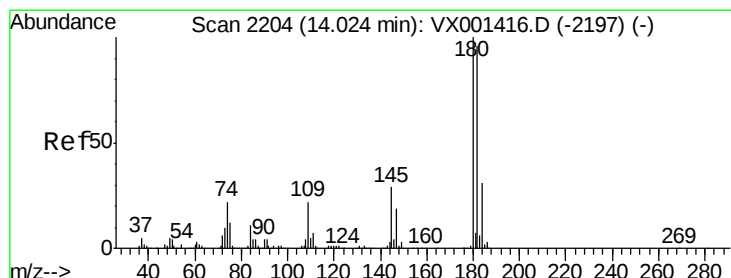
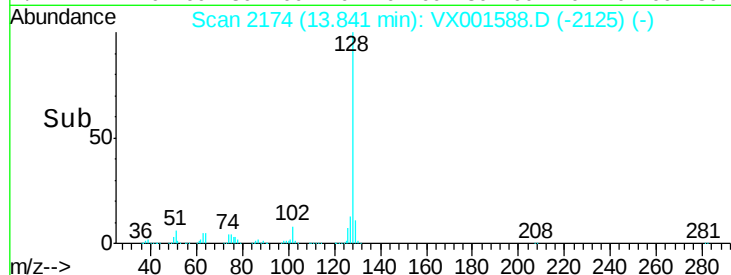
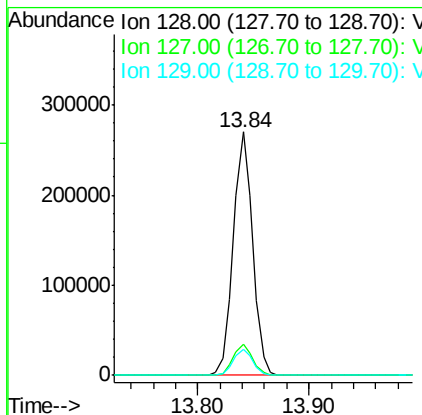
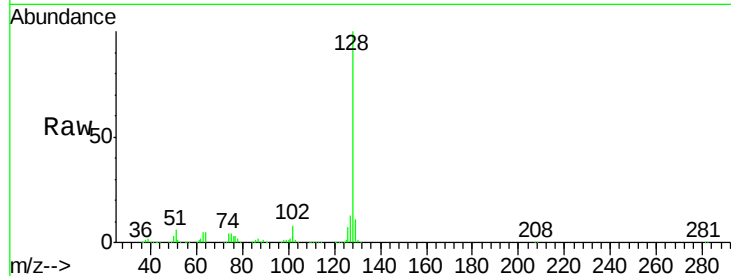
ClientSampleId :

VX0509WBSD02

Tot Ion:	128	Resp:	323247
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.8	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 20.99 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX001588.D

Acq: 10 May 2018 06:27

Tgt Ion:	180	Resp:	114901
Ion Ratio	Lower	Upper	
180	100		
182	97.0	48.0	144.2
145	29.1	14.1	42.4

