

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050918\
 Data File : VX001587.D
 Acq On : 10 May 2018 06:00
 Operator : JC/MD
 Sample : VX0509WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS02

Manual Integrations
 APPROVED

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

Quant Time: May 10 08:35:44 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	236307	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	316605	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	296421	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	205801	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	169210	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
35) Dibromofluoromethane	5.51	113	134432	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	
50) Toluene-d8	8.72	98	482801	46.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.94%	
62) 4-Bromofluorobenzene	11.14	95	177766	45.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	65926	20.72	ug/l	100
3) Chloromethane	1.32	50	63032	20.35	ug/l	98
4) Vinyl Chloride	1.40	62	67602	20.91	ug/l	97
5) Bromomethane	1.64	94	36090	22.49	ug/l	97
6) Chloroethane	1.72	64	44298	20.73	ug/l	98
7) Trichlorofluoromethane	1.93	101	102140	20.99	ug/l	98
8) Diethyl Ether	2.19	74	40901	21.44	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	59405	20.82	ug/l	99
10) Methyl Iodide	2.51	142	66069	16.05	ug/l	99
11) Tert butyl alcohol	3.08	59	79376	110.84	ug/l	98
12) 1,1-Dichloroethene	2.37	96	54055	20.67	ug/l	98
13) Acrolein	2.30	56	10874	68.56	ug/l	99
14) Allyl chloride	2.73	41	96486	19.79	ug/l	98
15) Acrylonitrile	3.15	53	176633	109.15	ug/l	99
16) Acetone	2.45	43	161365	104.63	ug/l	99
17) Carbon Disulfide	2.57	76	114232	17.17	ug/l	99
18) Methyl Acetate	2.78	43	98130	24.22	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	197954	21.74	ug/l	99
20) Methylene Chloride	2.86	84	64614	21.16	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	58492	20.04	ug/l	95
22) Diisopropyl ether	3.88	45	195206	21.43	ug/l	99
23) Vinyl Acetate	3.83	43	770708	101.52	ug/l	99
24) 1,1-Dichloroethane	3.70	63	106027	20.84	ug/l	99
25) 2-Butanone	4.71	43	240257	107.77	ug/l	98
26) 2,2-Dichloropropane	4.59	77	48333	12.30	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	65292	21.01	ug/l	95
28) Bromochloromethane	5.03	49	51114	23.17	ug/l	98
29) Tetrahydrofuran	5.17	42	155207	108.81	ug/l	99
30) Chloroform	5.22	83	113704	21.69	ug/l	97
31) Cyclohexane	5.58	56	90315	20.67	ug/l	93
32) 1,1,1-Trichloroethane	5.50	97	98788	21.56	ug/l	99
36) 1,1-Dichloropropene	5.81	75	78288	19.44	ug/l	99
37) Ethyl Acetate	4.87	43	91287	20.68	ug/l	100
38) Carbon Tetrachloride	5.79	117	85791	19.97	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	90422	18.99	ug/l	98
40) Benzene	6.15	78	248251	21.10	ug/l	99
41) Methacrylonitrile	5.07	41	52646	20.84	ug/l	99
42) 1,2-Dichloroethane	6.20	62	97673	21.60	ug/l	99
43) Isopropyl Acetate	6.48	43	138587	20.45	ug/l	99
44) Trichloroethene	7.22	130	74199	20.64	ug/l	100
45) 1,2-Dichloropropane	7.52	63	61714	21.04	ug/l	99
46) Dibromomethane	7.67	93	42744	20.59	ug/l	99
47) Bromodichloromethane	7.90	83	75873	19.75	ug/l	98
48) Methyl methacrylate	7.79	41	75462	20.45	ug/l	100
49) 1,4-Dioxane	7.76	88	33318	417.90	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	488826	108.54	ug/l	99
52) Toluene	8.79	92	159043	20.68	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	82560	19.01	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	70771	17.31	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	64958	20.96	ug/l	98
56) Ethyl methacrylate	9.19	69	88963	19.92	ug/l	98
57) 1,3-Dichloropropane	9.38	76	108040	21.09	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	236437	107.92	ug/l	100
59) 2-Hexanone	9.51	43	358066	103.83	ug/l	100
60) Dibromochloromethane	9.59	129	60000	18.91	ug/l	98
61) 1,2-Dibromoethane	9.68	107	67043	20.61	ug/l	99
64) Tetrachloroethene	9.34	164	90670	21.95	ug/l	97
65) Chlorobenzene	10.14	112	180141	20.72	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	63353	20.37	ug/l	98
67) Ethyl Benzene	10.26	91	291744	20.48	ug/l	99
68) m/p-Xylenes	10.37	106	232429	41.28	ug/l	99
69) o-Xylene	10.70	106	114210	20.87	ug/l	99
70) Styrene	10.72	104	184038	20.70	ug/l	99
71) Bromoform	10.87	173	46147	17.90	ug/l #	99
73) Isopropylbenzene	11.02	105	307060	21.55	ug/l	100
74) N-amyl acetate	6.48	43	138587	21.42	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	91595	21.77	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	88335m	21.16	ug/l	
77) Bromobenzene	11.26	156	88553	21.38	ug/l	99
78) n-propylbenzene	11.37	91	335261	21.61	ug/l	98
79) 2-Chlorotoluene	11.43	91	205625	21.54	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	254773	21.48	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	17006	16.16	ug/l	87
82) 4-Chlorotoluene	11.52	91	234124	21.26	ug/l	100
83) tert-Butylbenzene	11.77	119	248450	21.05	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	263591	21.62	ug/l	100
85) sec-Butylbenzene	11.95	105	303999	21.46	ug/l	99
86) p-Isopropyltoluene	12.07	119	273269	21.03	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	153323	20.71	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	156241	20.69	ug/l	99
89) n-Butylbenzene	12.40	91	211015	19.60	ug/l	100
90) Hexachloroethane	12.60	117	38361	19.60	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	159776	21.21	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	19190	20.76	ug/l	95

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Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS02

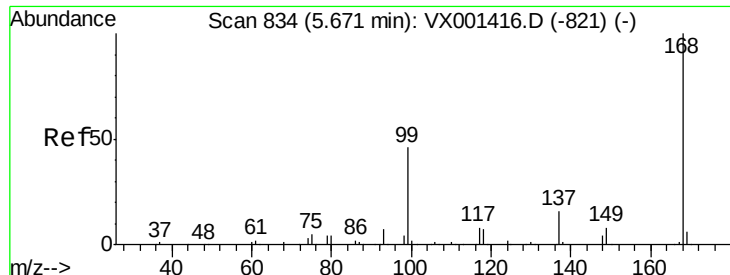
Manual Integrations
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Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260
QLast Update : Sun May 06 07:59:25 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	110330	20.01	ug/l	100
94) Hexachlorobutadiene	13.79	225	59534	19.74	ug/l	99
95) Naphthalene	13.84	128	330848	21.70	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	119086	21.05	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: VX001587.D

Acq: 10 May 2018 06:00

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS02

Tot Ion:168 Resp: 236307

Ion Ratio Lower Upper

168 100

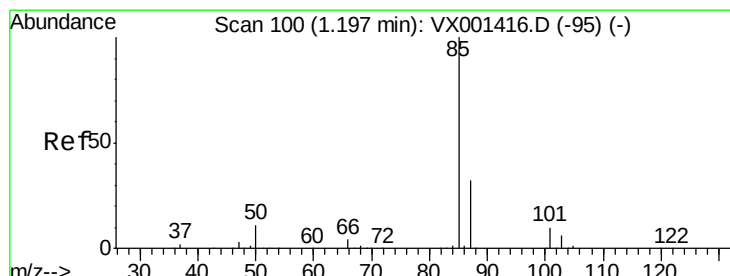
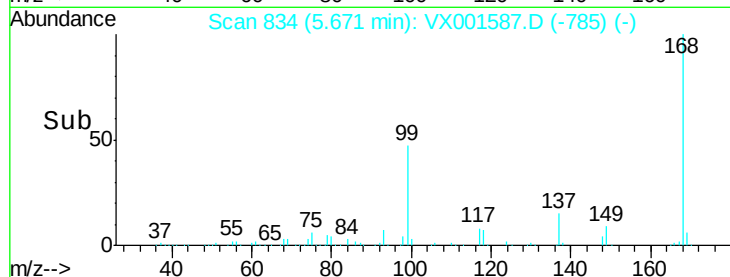
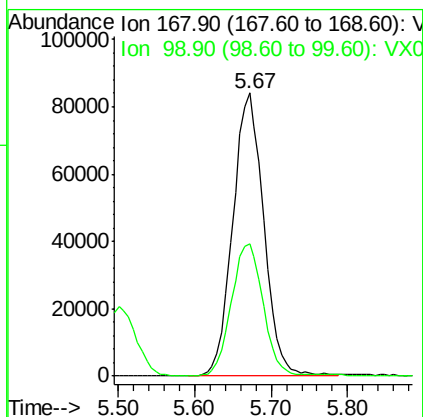
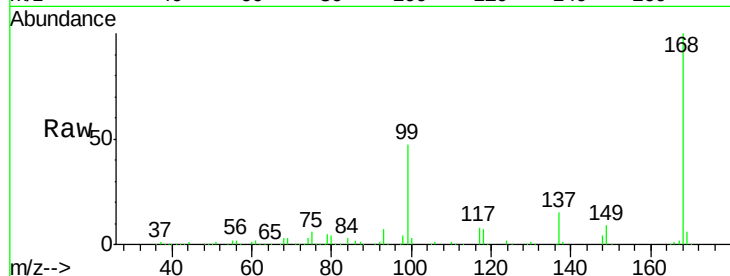
99 46.7 36.6 54.8

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 20.72 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001587.D

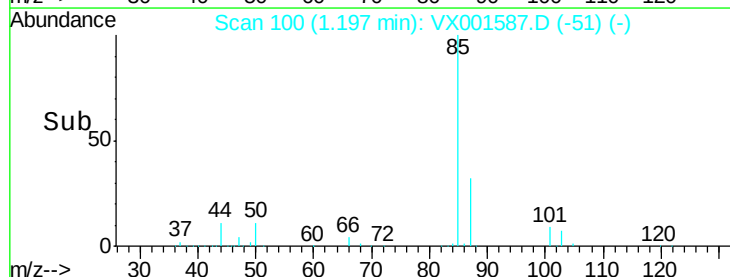
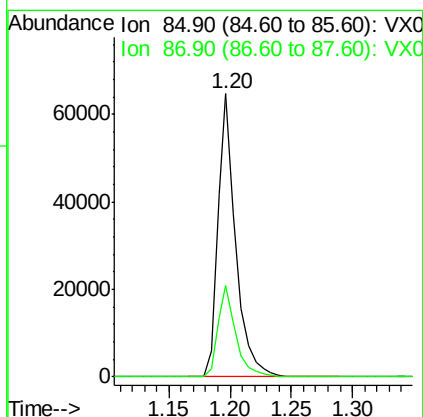
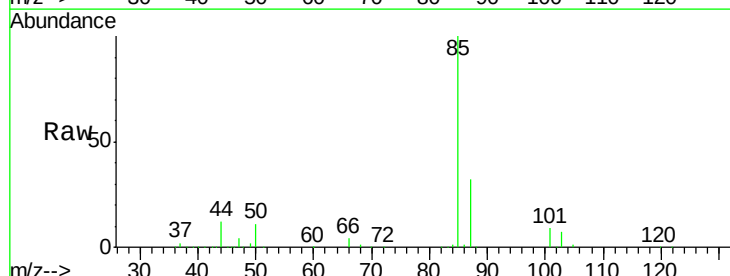
Acq: 10 May 2018 06:00

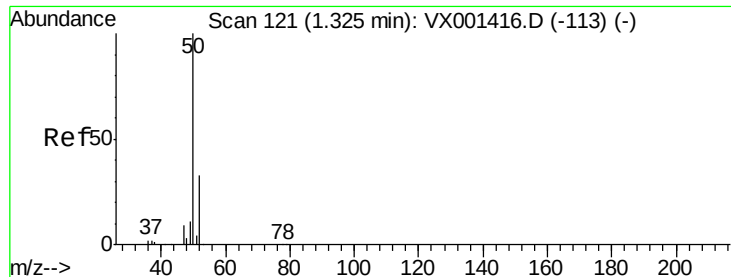
Tgt Ion: 85 Resp: 65926

Ion Ratio Lower Upper

85 100

87 32.3 16.2 48.6





#3

Chloromethane

Concen: 20.35 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS02

Tot Ion: 50 Resp: 63032

Ion Ratio Lower Upper

50 100

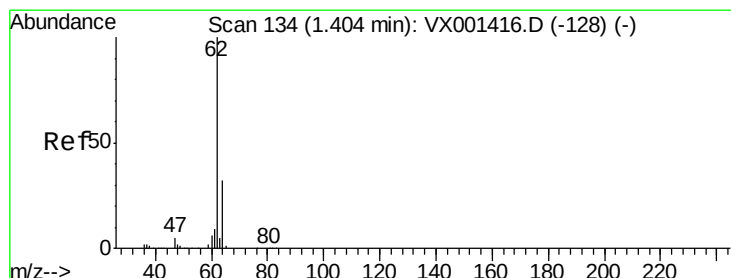
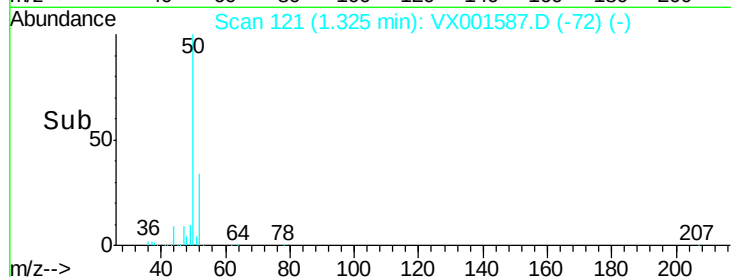
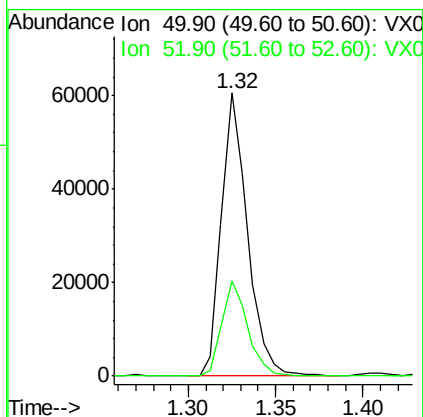
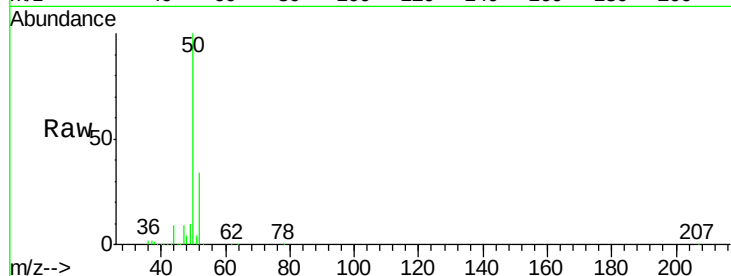
52 33.7 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.91 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001587.D

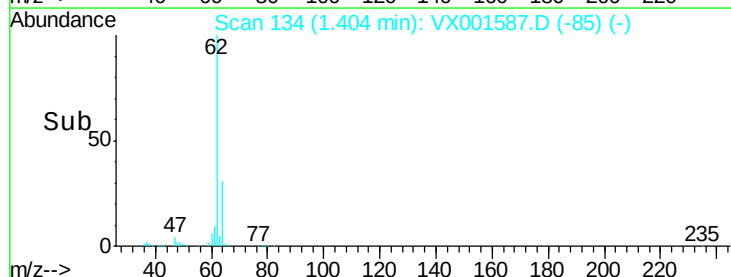
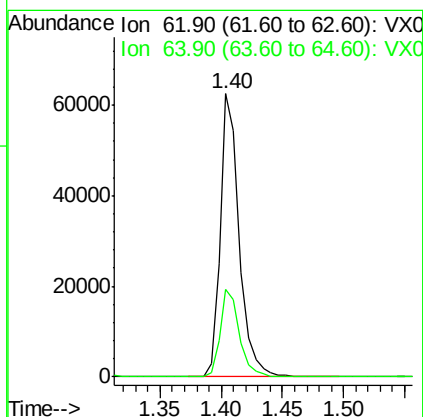
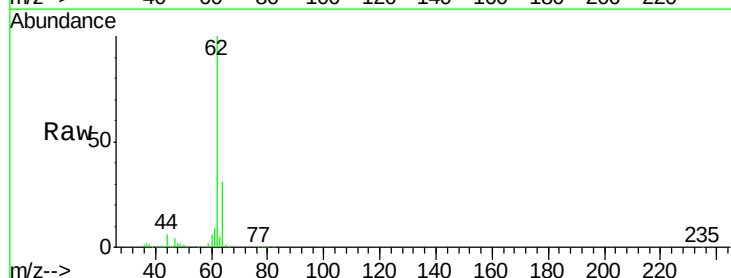
Acq: 10 May 2018 06:00

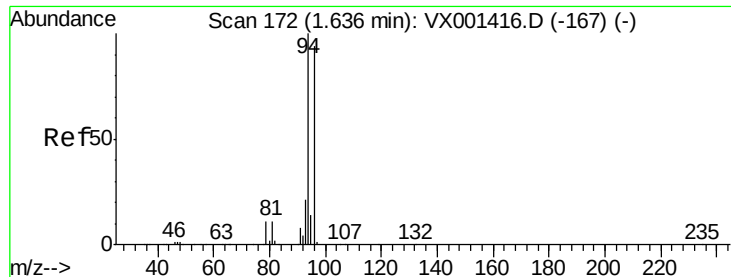
Tgt Ion: 62 Resp: 67602

Ion Ratio Lower Upper

62 100

64 30.7 25.8 38.6





#5

Bromomethane

Concen: 22.49 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS02

Tot Ion: 94 Resp: 36090

Ion Ratio Lower Upper

94 100

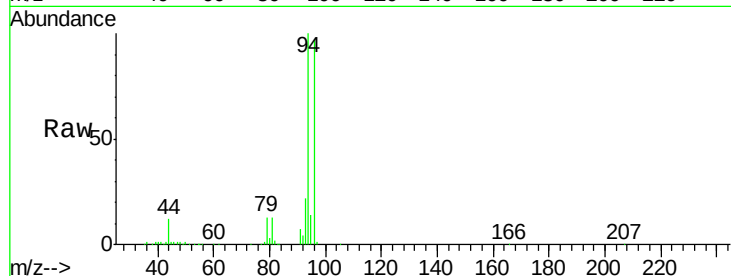
96 96.8 75.0 112.6

Manual Integrations

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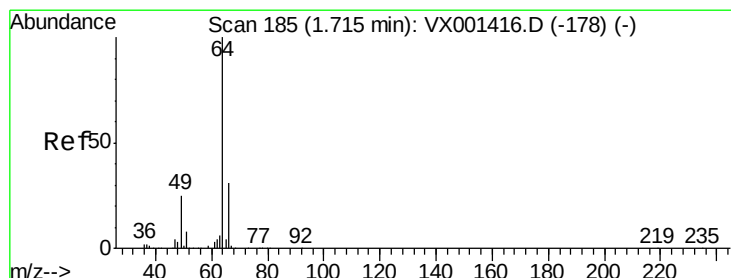
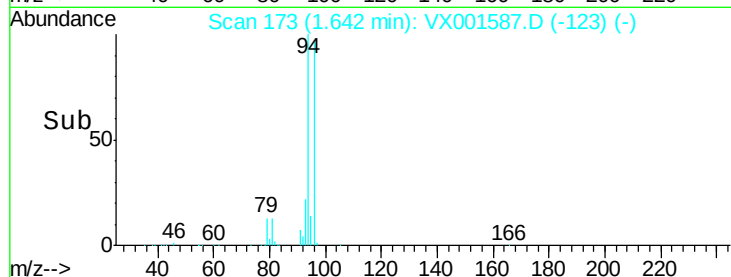
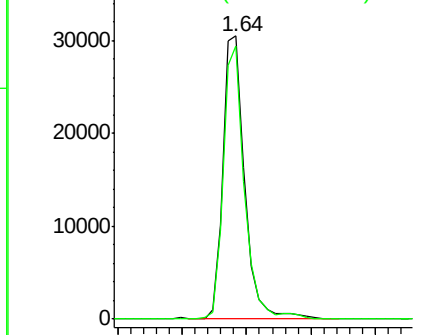
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.73 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX001587.D

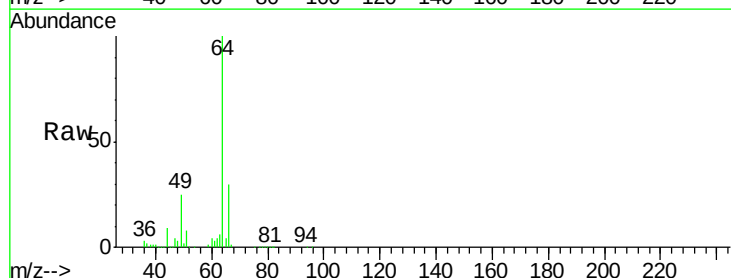
Acq: 10 May 2018 06:00

Tgt Ion: 64 Resp: 44298

Ion Ratio Lower Upper

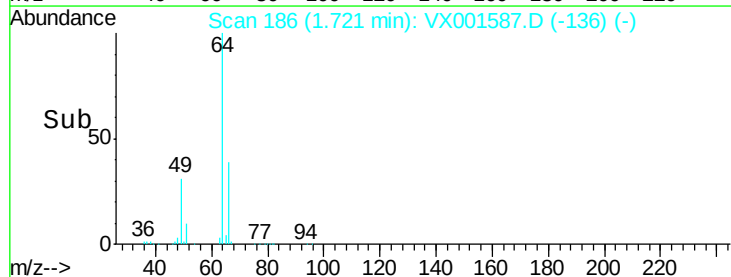
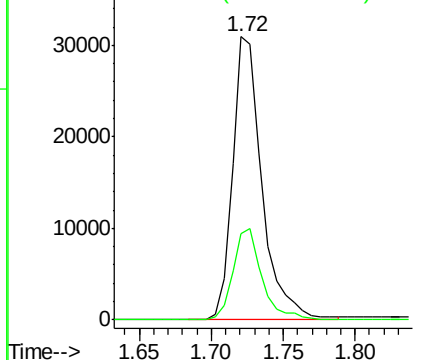
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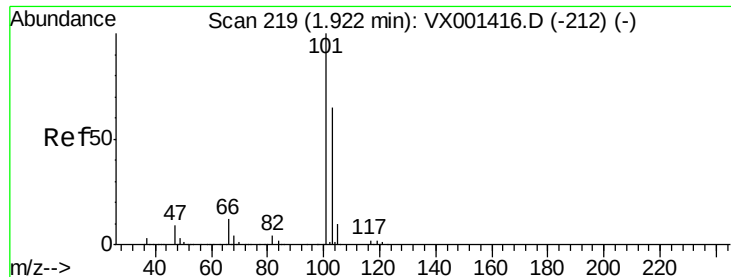
66 30.3 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

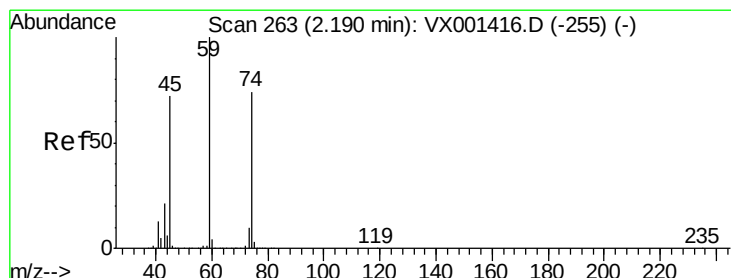
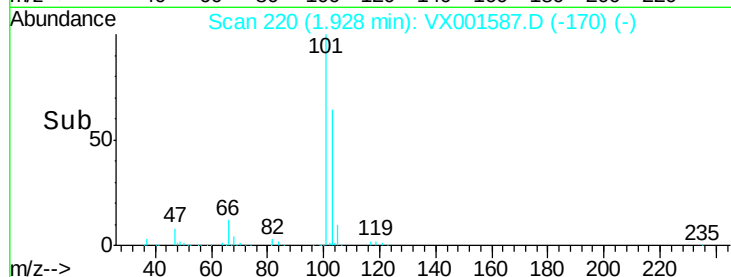
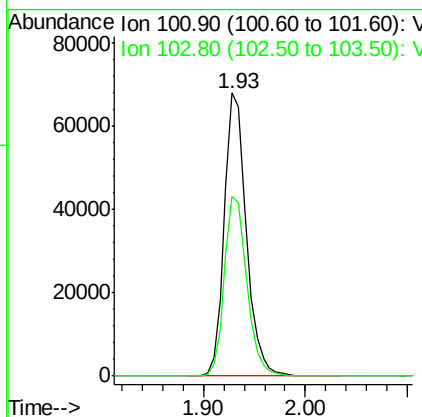
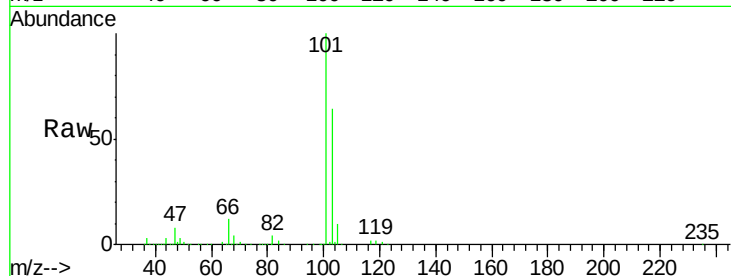
Trichlorofluoromethane
 Concen: 20.99 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX001587.D
 Acq: 10 May 2018 06:00

Instrument :
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 VX0509WBS02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	102140		
103	63.5	52.0	78.0	

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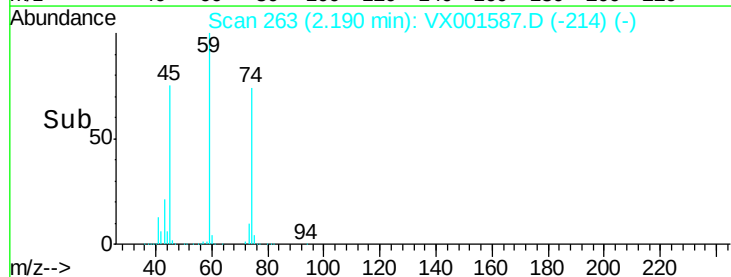
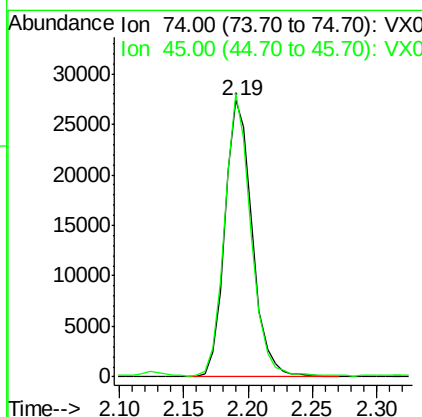
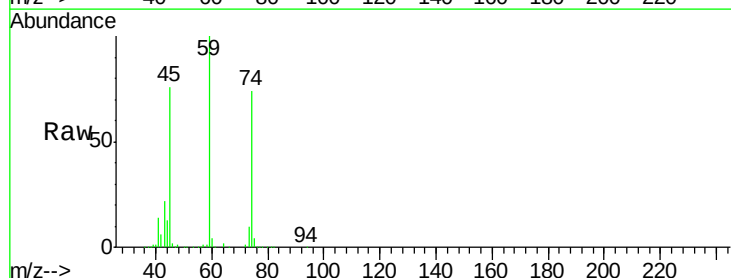
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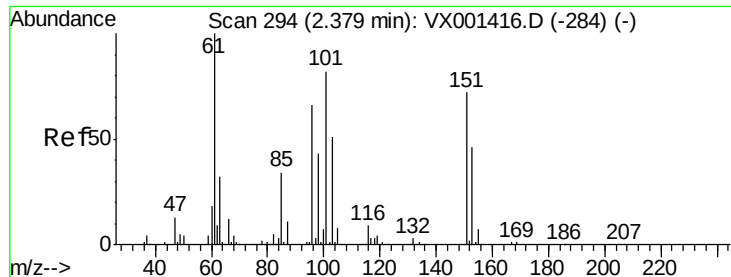


#8

Diethyl Ether
 Concen: 21.44 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX001587.D
 Acq: 10 May 2018 06:00

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	40901		
45	97.8	47.9	143.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.82 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

Instrument :

MSVOA_X

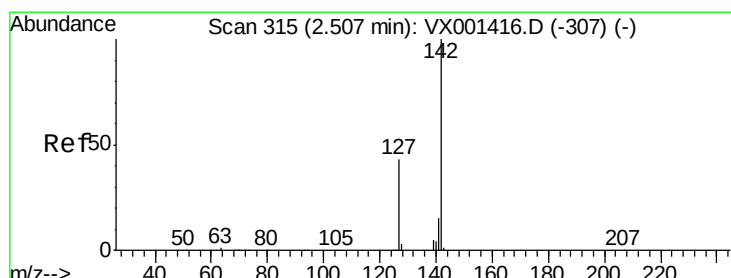
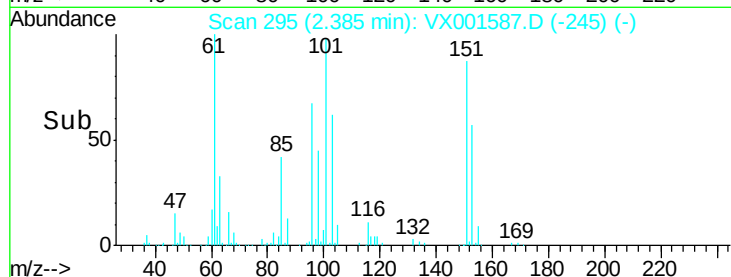
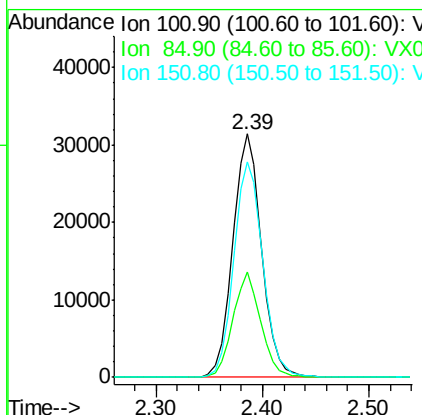
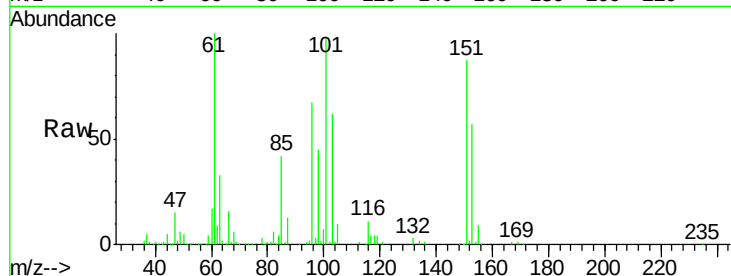
ClientSampleId :

VX0509WBS02

Tot Ion:	101	Resp:	59405
Ion Ratio	Lower	Upper	
101	100		
85	41.9	33.7	50.5
151	89.8	72.3	108.5

Manual Integrations
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#10

Methyl Iodide

Concen: 16.05 ug/l

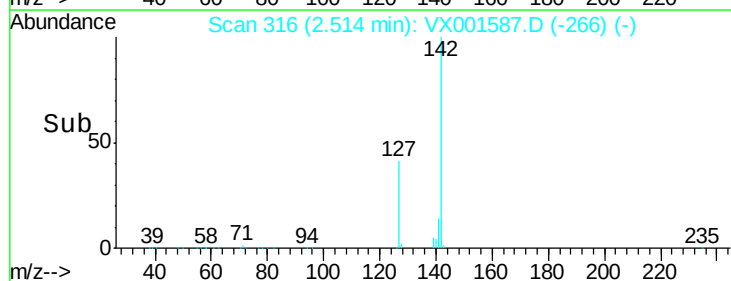
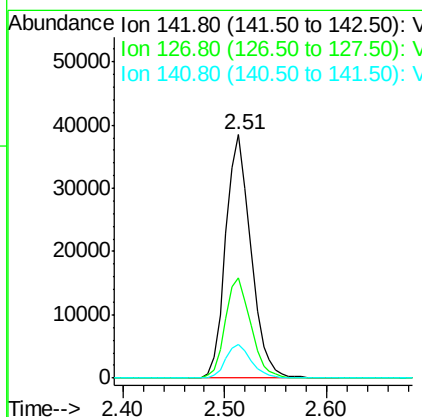
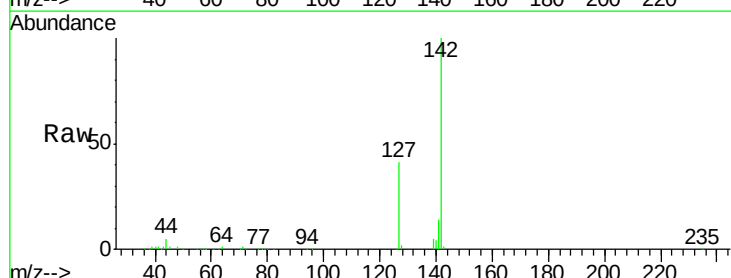
RT: 2.51 min Scan# 316

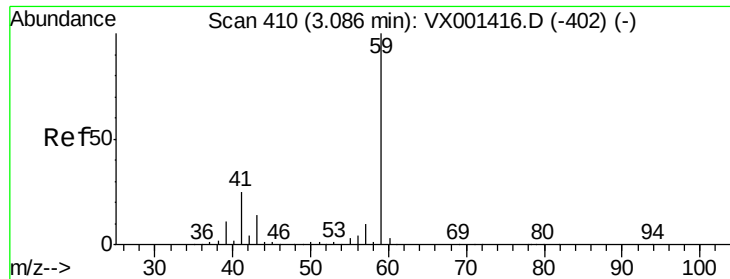
Delta R.T. 0.01 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

Tgt Ion:	142	Resp:	66069
Ion Ratio	Lower	Upper	
142	100		
127	41.7	33.6	50.4
141	14.1	11.4	17.2





#11

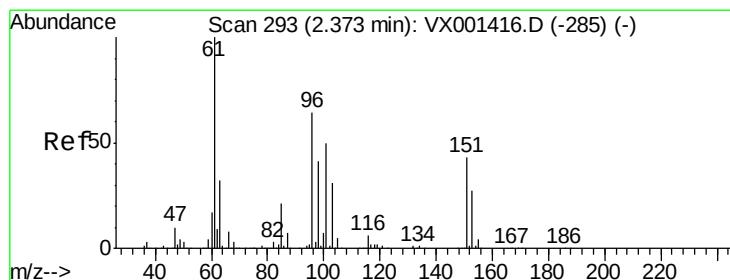
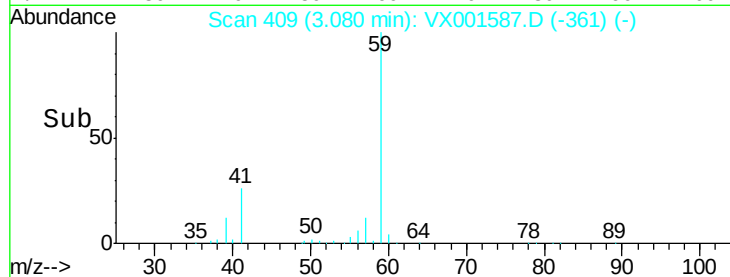
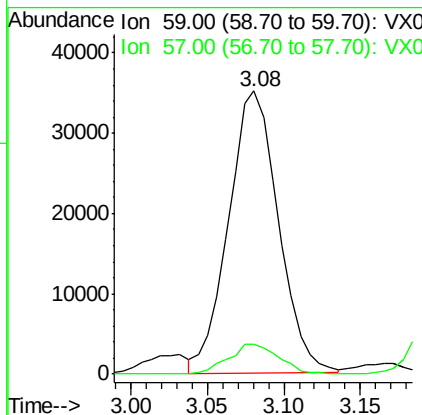
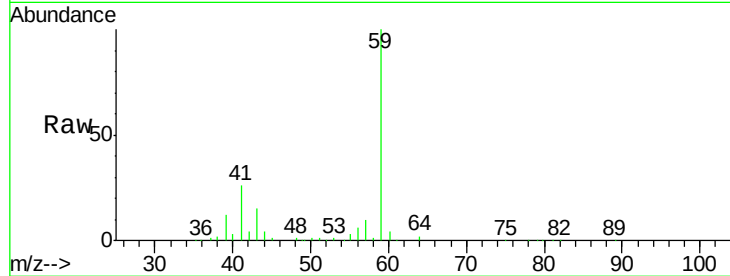
Tert butyl alcohol
 Concen: 110.84 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. -0.01 min
 Lab File: VX001587.D
 Acq: 10 May 2018 06:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.2	12.4

Manual Integrations
 APPROVED

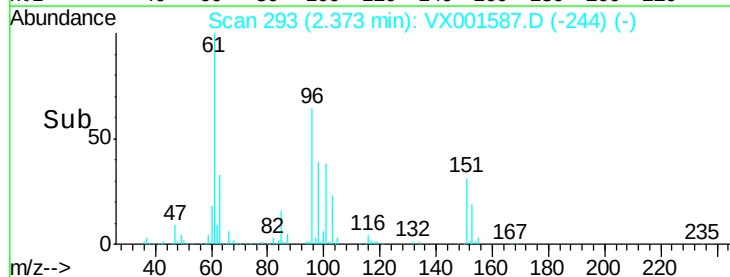
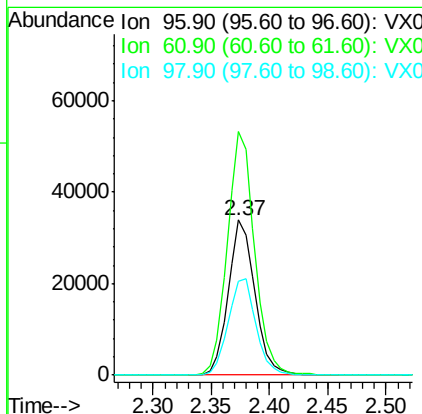
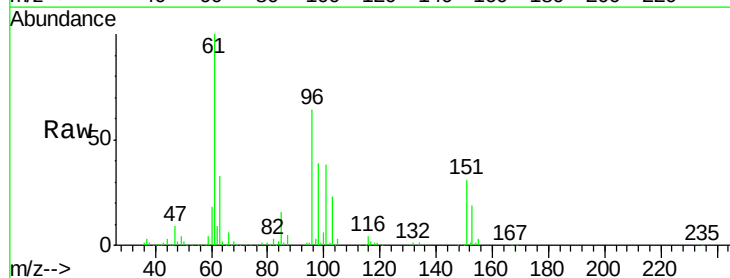
MMDadoda
 5/10/2018 1:52:02 PM

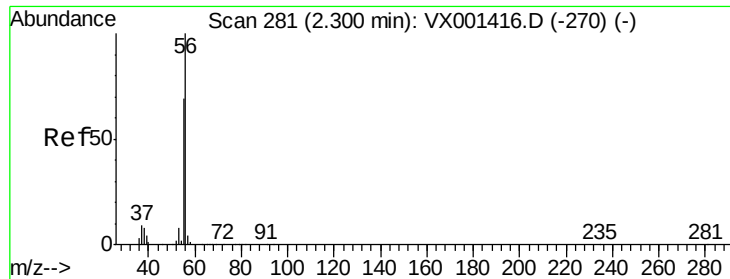


#12

1,1-Dichloroethene
 Concen: 20.67 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VX001587.D
 Acq: 10 May 2018 06:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.1	125.7	188.5
98	60.9	52.0	78.0





#13

Acrolein

Concen: 68.56 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS02

Tot Ion: 56 Resp: 10874

Ion Ratio Lower Upper

56 100

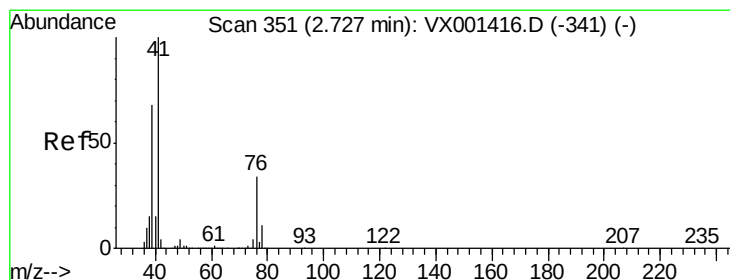
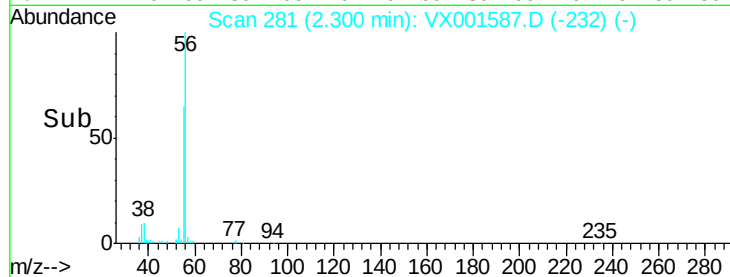
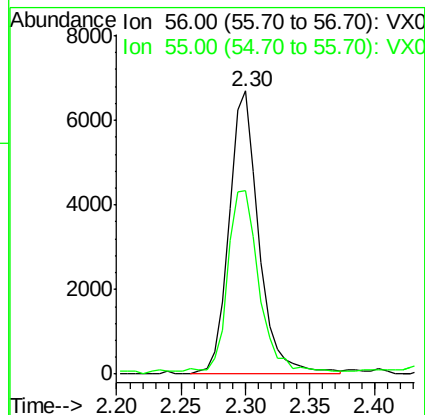
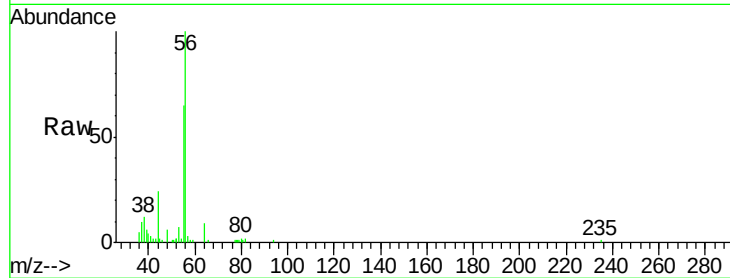
55 67.7 54.5 81.7

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 19.79 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

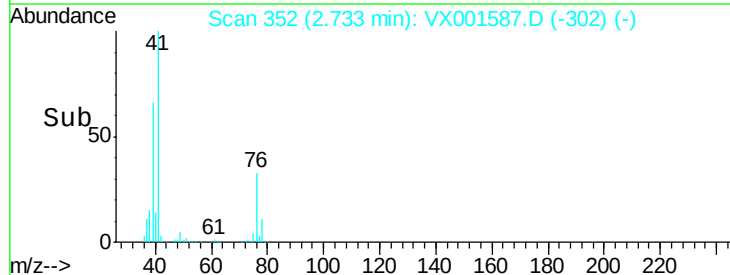
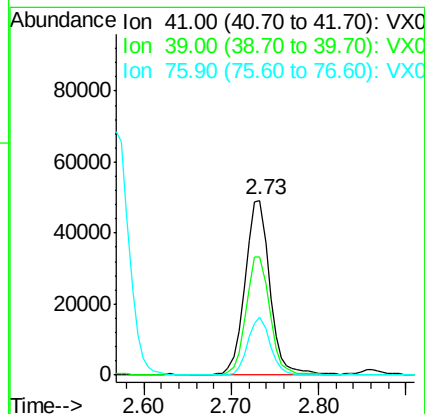
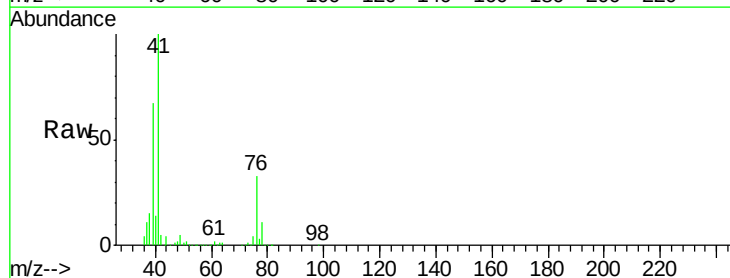
Tgt Ion: 41 Resp: 96486

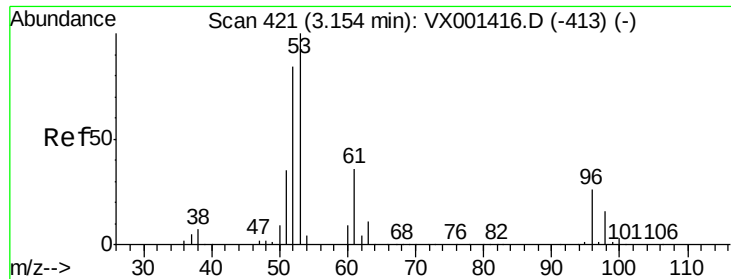
Ion Ratio Lower Upper

41 100

39 64.8 52.4 78.6

76 30.2 25.8 38.6





#15

Acrylonitrile

Concen: 109.15 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

Instrument :

MSVOA_X

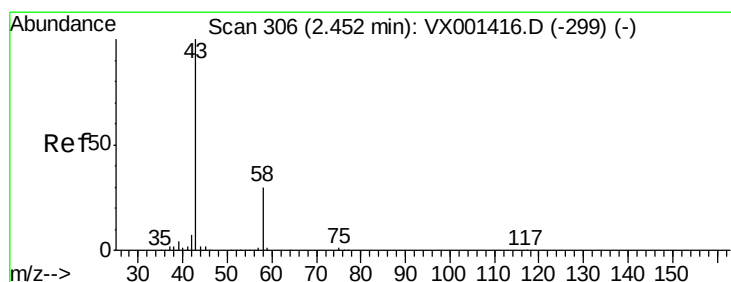
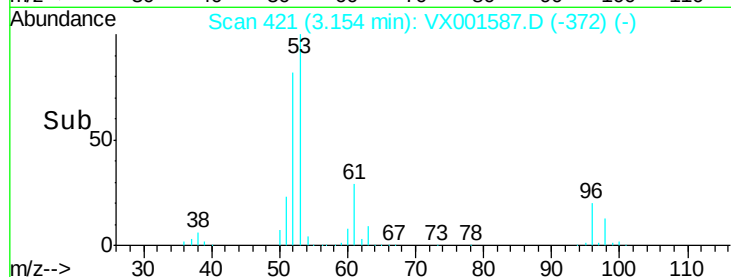
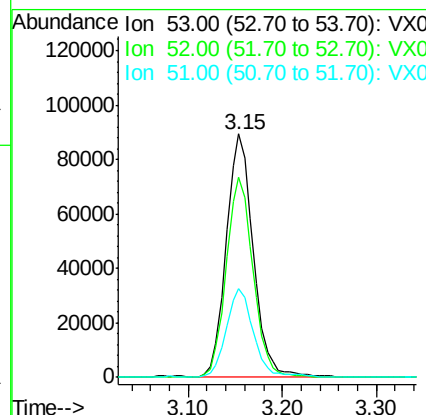
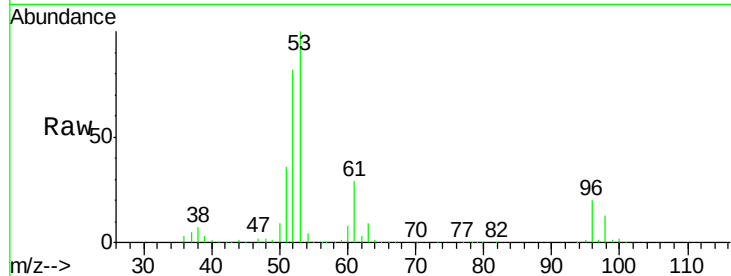
ClientSampleId :

VX0509WBS02

Tot Ion:	53	Resp:	176633
Ion Ratio	Lower	Upper	
53	100		
52	81.8	66.2	99.2
51	36.6	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 104.63 ug/l

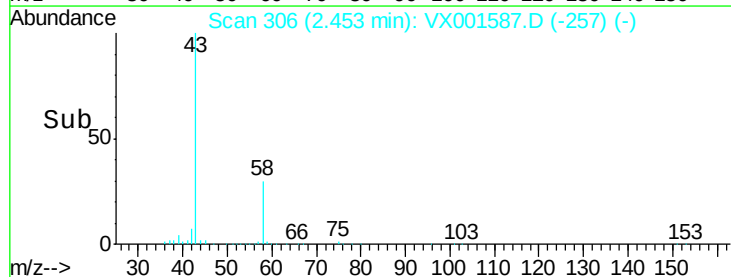
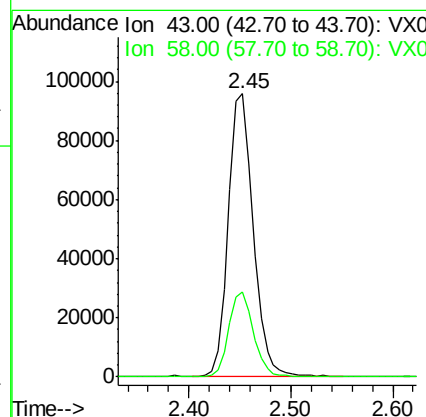
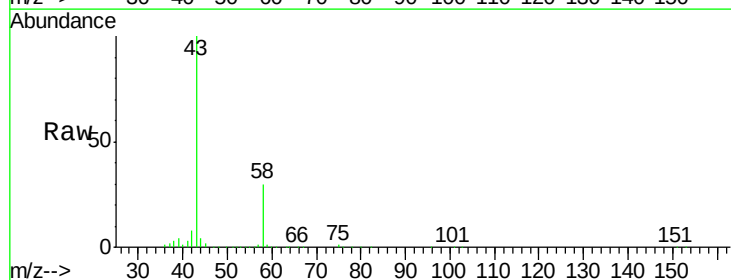
RT: 2.45 min Scan# 306

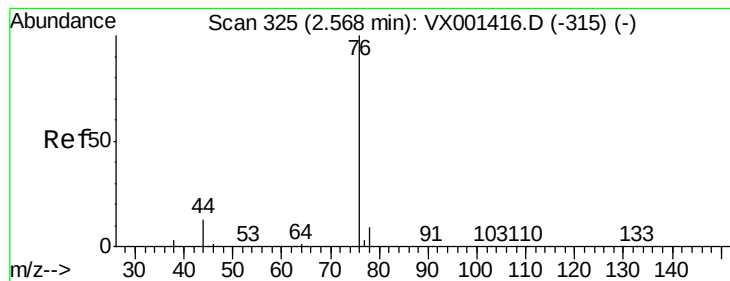
Delta R.T. 0.00 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

Tgt Ion:	43	Resp:	161365
Ion Ratio	Lower	Upper	
43	100		
58	30.1	23.8	35.8





#17

Carbon Disulfide

Concen: 17.17 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS02

Tot Ion: 76 Resp: 114232

Ion Ratio Lower Upper

76 100

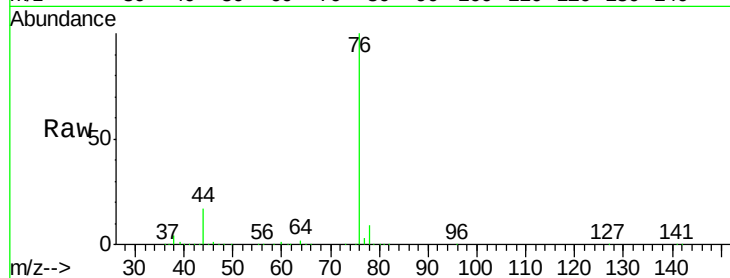
78 8.8 7.4 11.2

Manual Integrations

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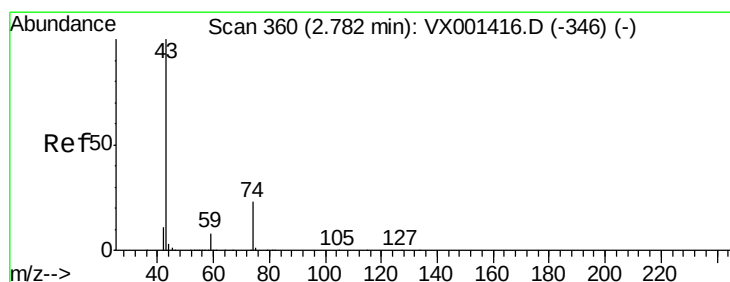
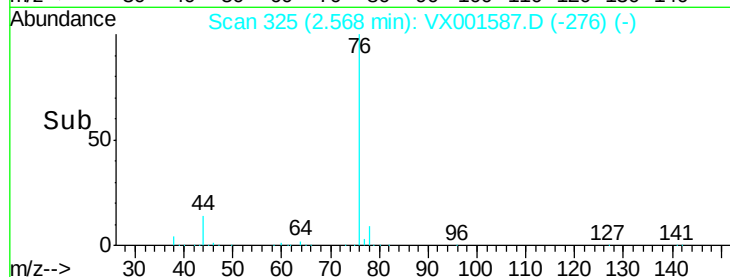
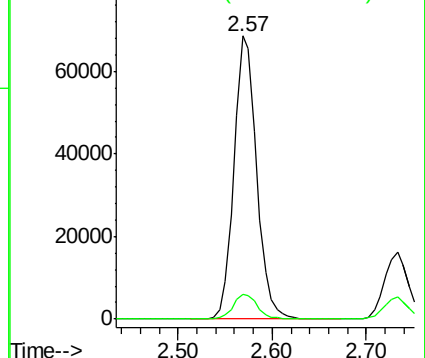
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 24.22 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001587.D

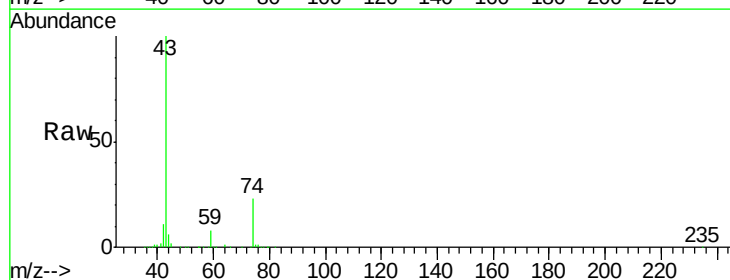
Acq: 10 May 2018 06:00

Tgt Ion: 43 Resp: 98130

Ion Ratio Lower Upper

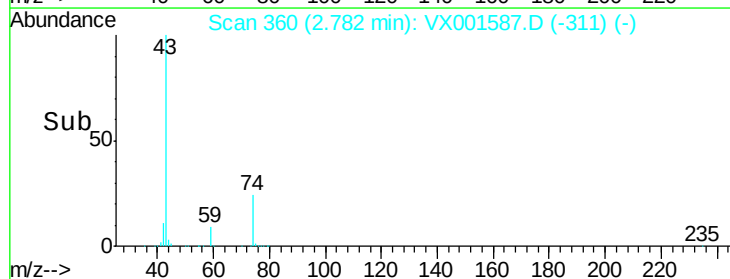
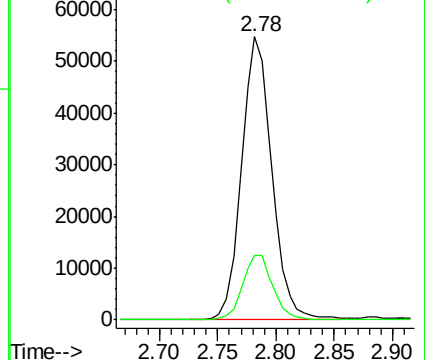
43 100

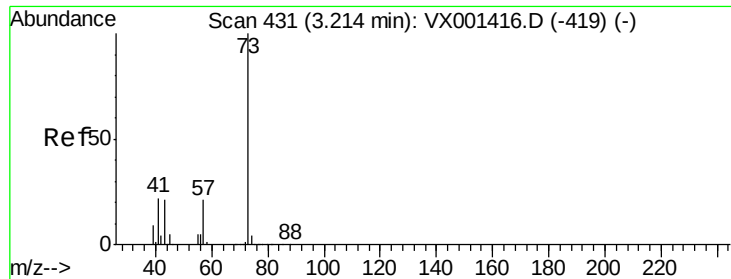
74 22.7 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





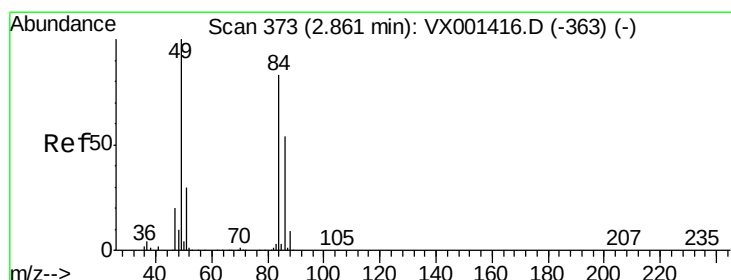
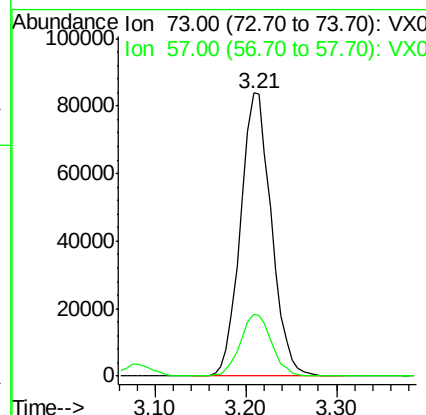
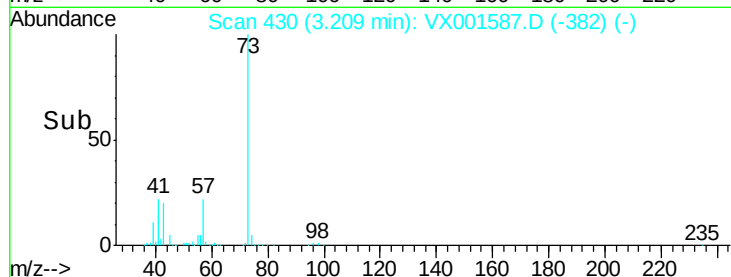
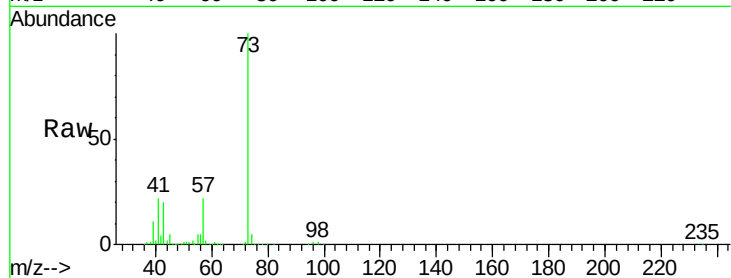
#19
Methyl tert-butyl Ether
Concen: 21.74 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX001587.D
Acq: 10 May 2018 06:00

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.0	25.6

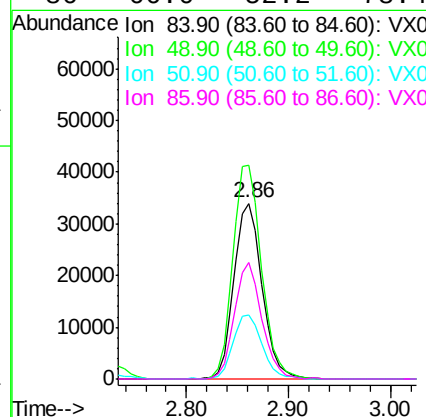
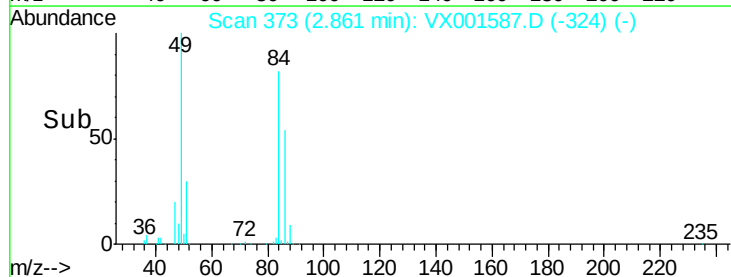
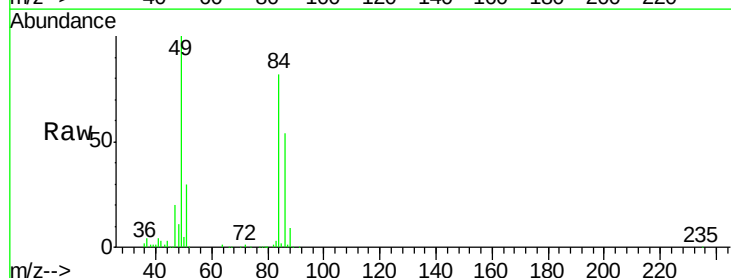
Manual Integrations
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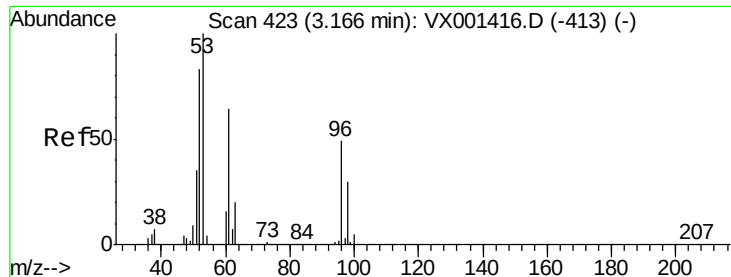
MMDadoda
5/10/2018 1:52:02 PM



#20
Methylene Chloride
Concen: 21.16 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001587.D
Acq: 10 May 2018 06:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.6	96.6	144.8
51	36.8	29.0	43.4
86	66.0	52.2	78.4





#21

trans-1,2-Dichloroethene

Concen: 20.04 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

Instrument :

MSVOA_X

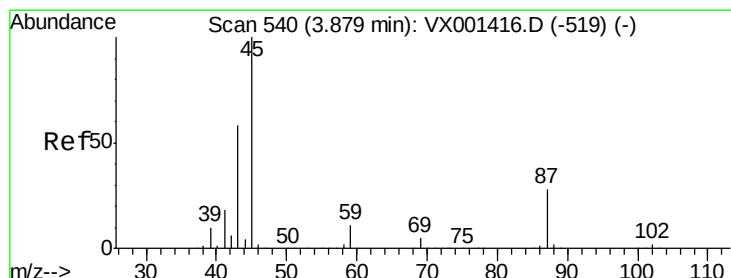
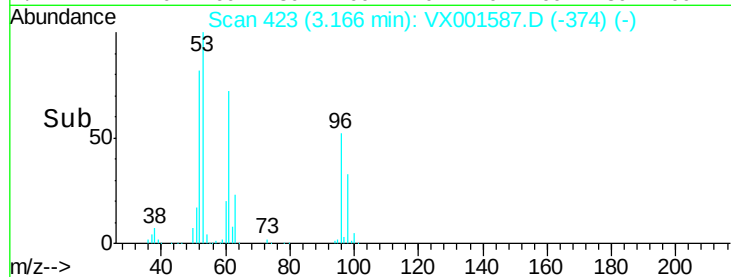
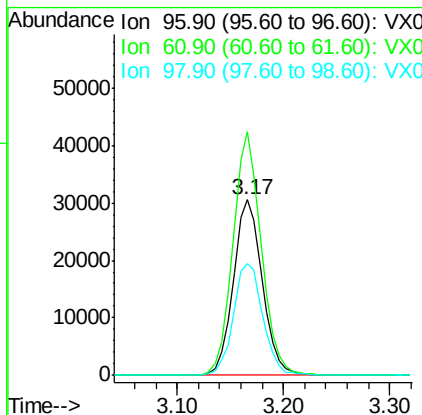
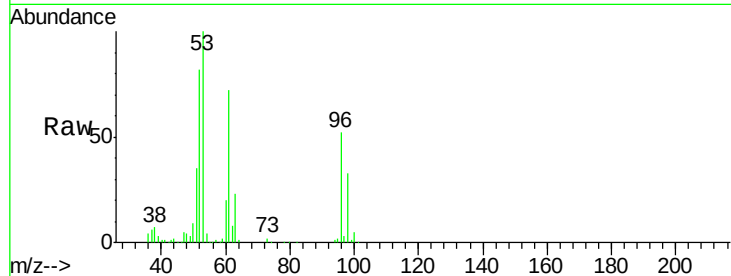
ClientSampleId :

VX0509WBS02

Tot Ion:	96	Resp:	58492
Ion	Ratio	Lower	Upper
96	100		
61	138.6	105.0	157.4
98	63.8	49.9	74.9

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



#22

Diisopropyl ether

Concen: 21.43 ug/l

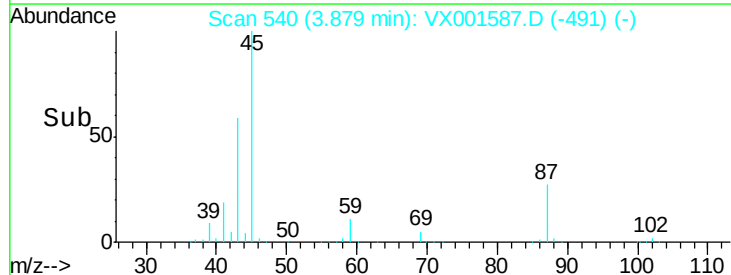
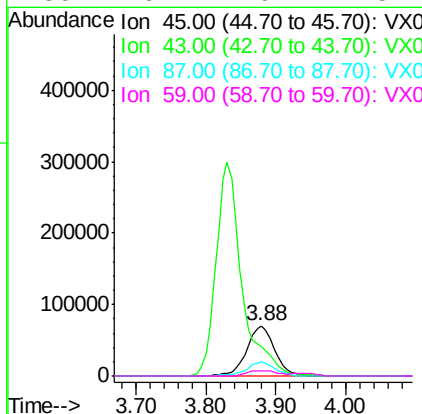
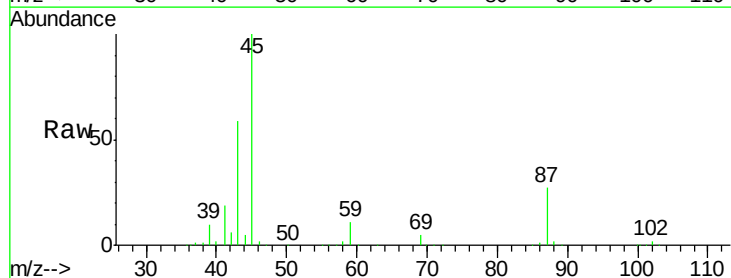
RT: 3.88 min Scan# 540

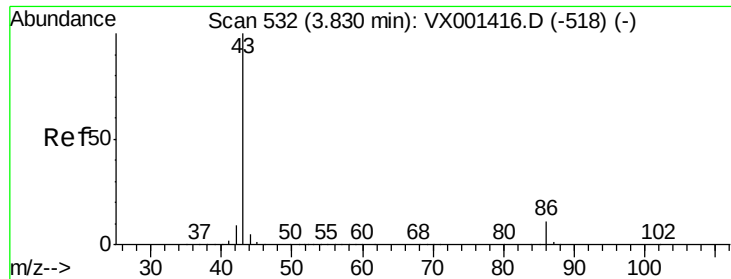
Delta R.T. 0.00 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

Tgt Ion:	45	Resp:	195206
Ion	Ratio	Lower	Upper
45	100		
43	58.5	46.5	69.7
87	27.1	22.6	34.0
59	10.7	9.1	13.7





#23

Vinyl Acetate

Concen: 101.52 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS02

Tot Ion: 43 Resp: 770708

Ion Ratio Lower Upper

43 100

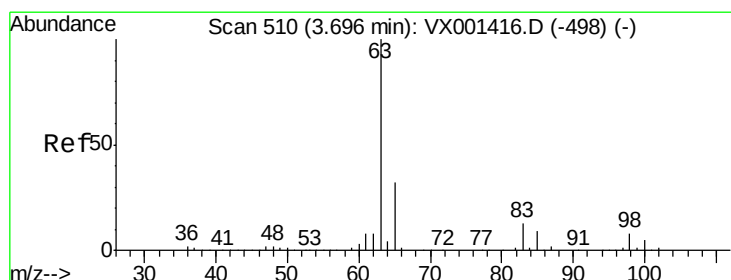
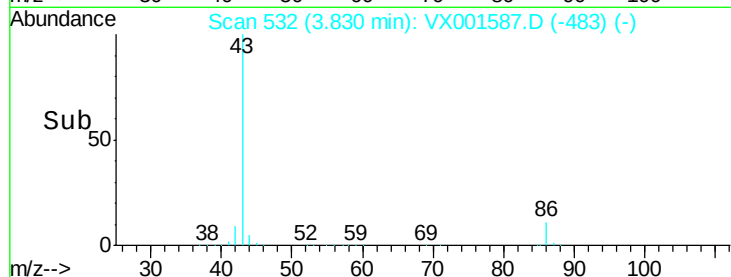
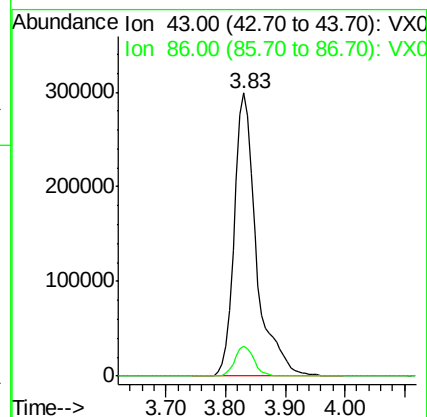
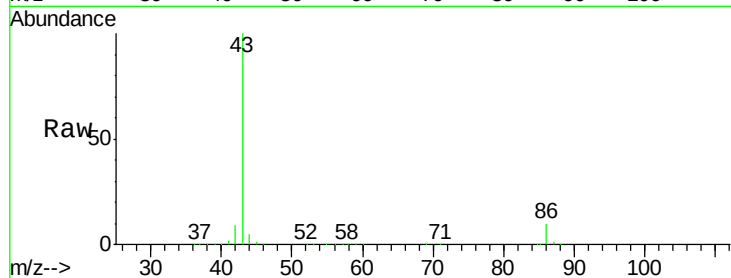
86 10.5 8.6 13.0

Manual Integrations

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5/10/2018 1:52:02 PM



#24

1,1-Dichloroethane

Concen: 20.84 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

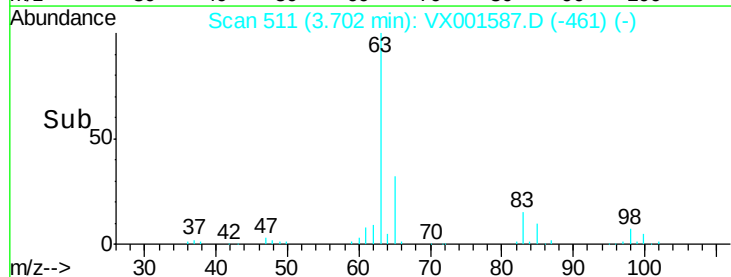
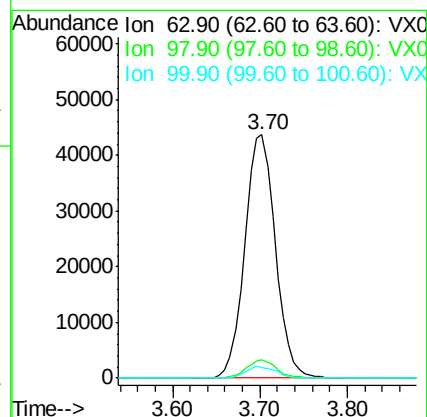
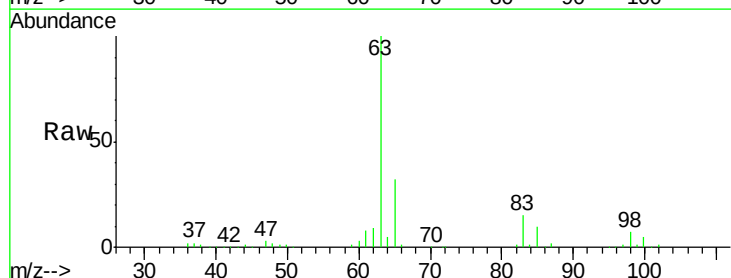
Tgt Ion: 63 Resp: 106027

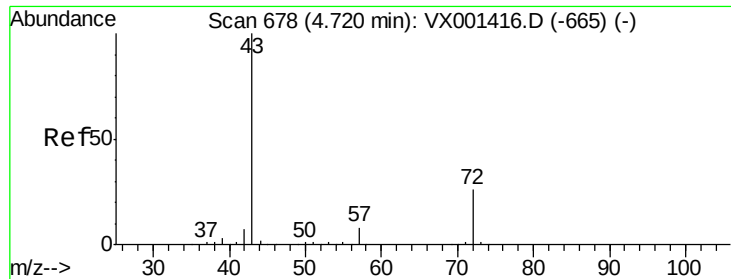
Ion Ratio Lower Upper

63 100

98 7.3 3.8 11.4

100 4.6 2.4 7.1





#25

2-Butanone

Concen: 107.77 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS02

Tot Ion: 43 Resp: 240257

Ion Ratio Lower Upper

43 100

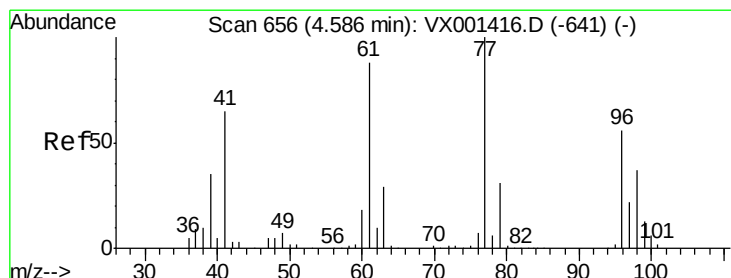
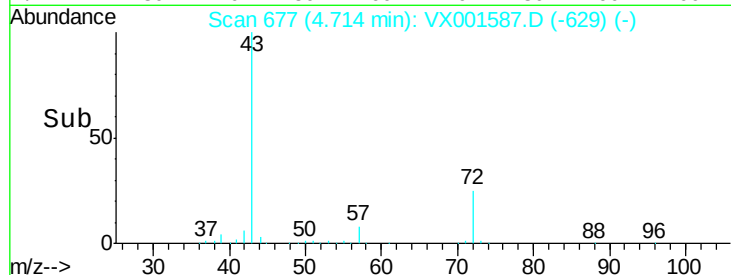
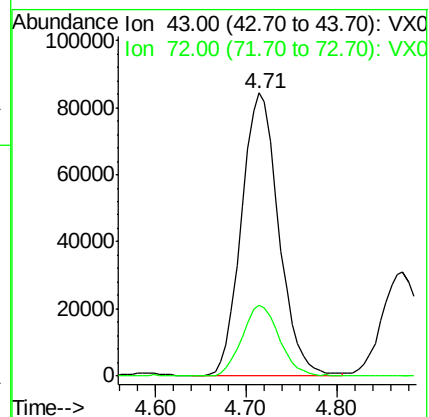
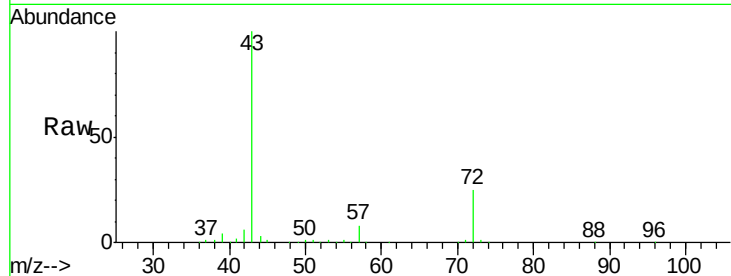
72 25.0 20.7 31.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 12.30 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX001587.D

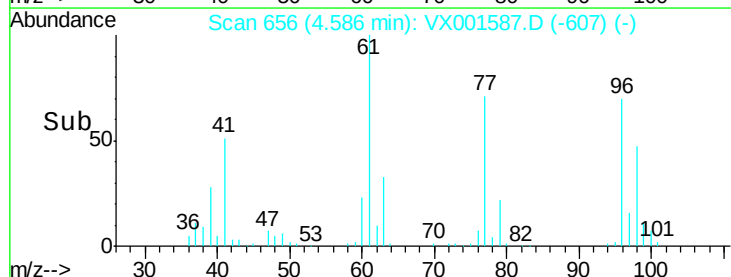
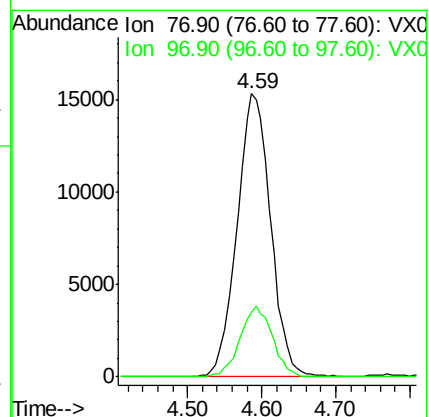
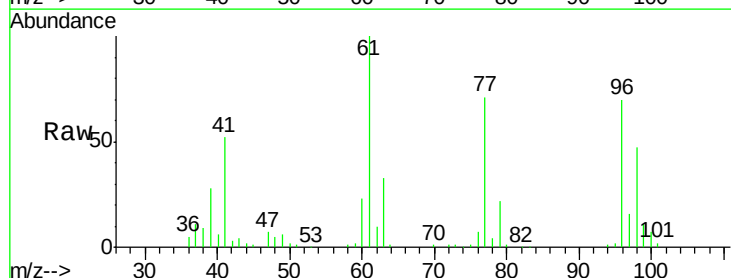
Acq: 10 May 2018 06:00

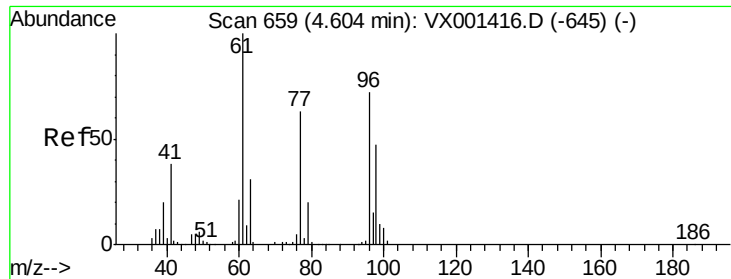
Tgt Ion: 77 Resp: 48333

Ion Ratio Lower Upper

77 100

97 24.0 11.2 33.6





#27

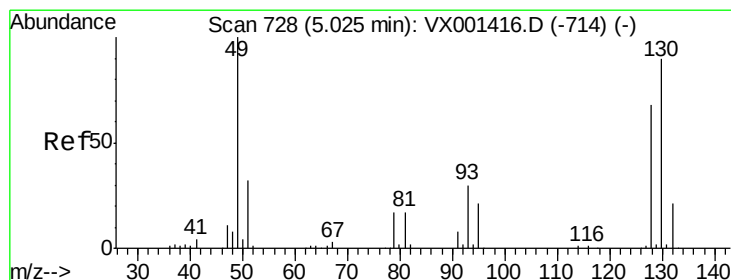
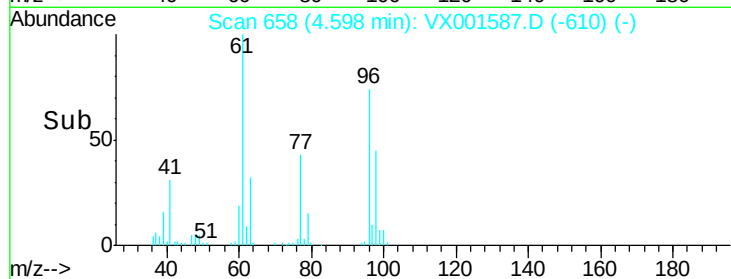
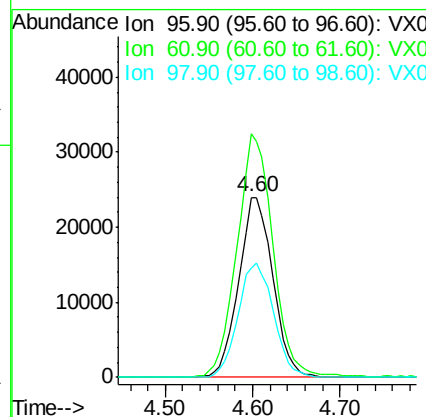
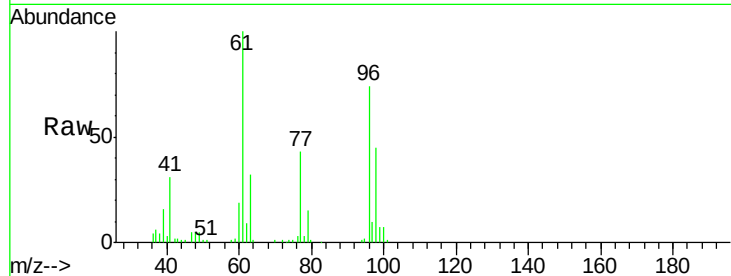
cis-1,2-Dichloroethene
 Concen: 21.01 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: VX001587.D
 Acq: 10 May 2018 06:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.6	0.0	301.6
98	65.5	0.0	131.6

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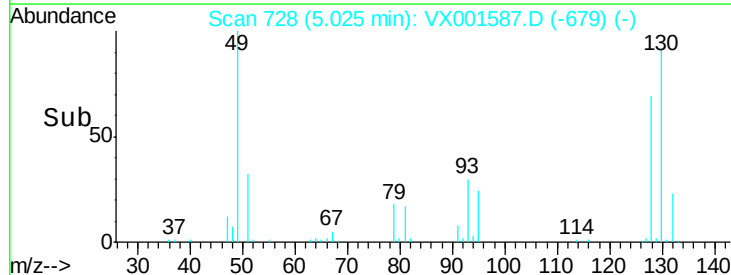
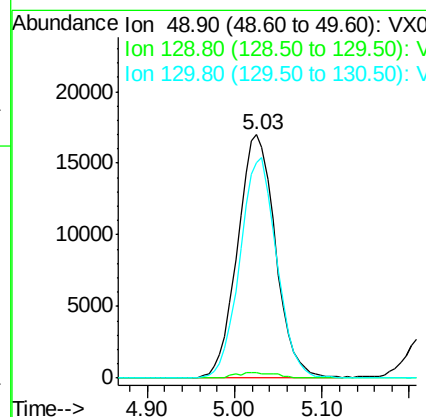
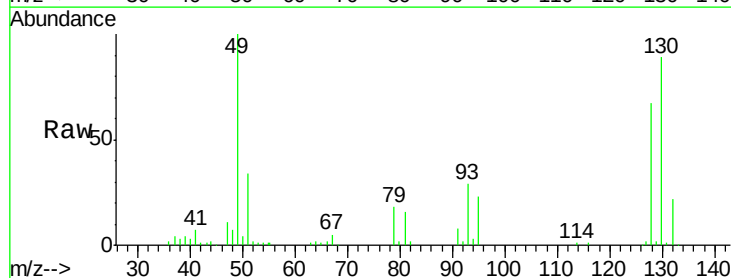
MMDadoda
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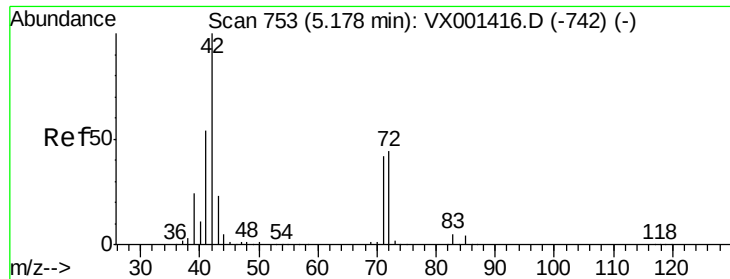


#28

Bromochloromethane
 Concen: 23.17 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VX001587.D
 Acq: 10 May 2018 06:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.8
130	88.1	71.9	107.9





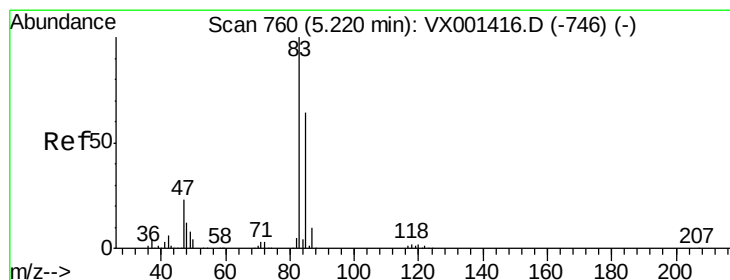
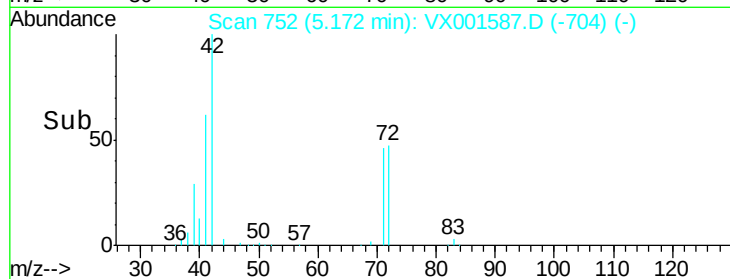
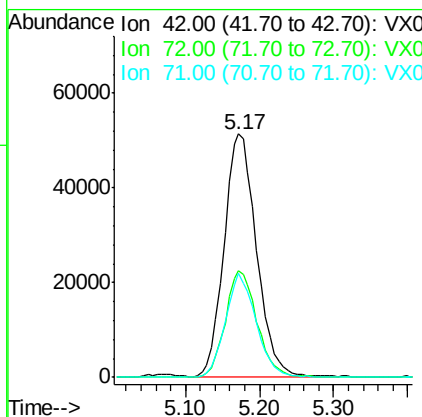
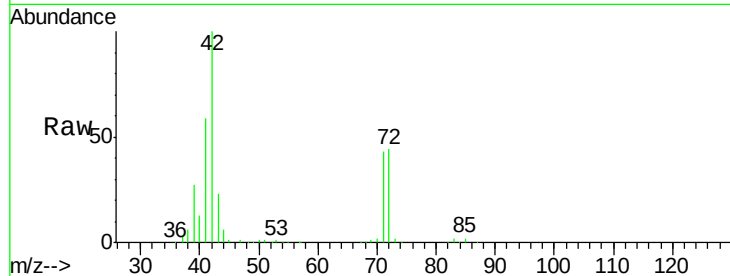
#29
Tetrahydrofuran
Concen: 108.81 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX001587.D
Acq: 10 May 2018 06:00

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	35.4	53.2
71	40.9	33.0	49.4

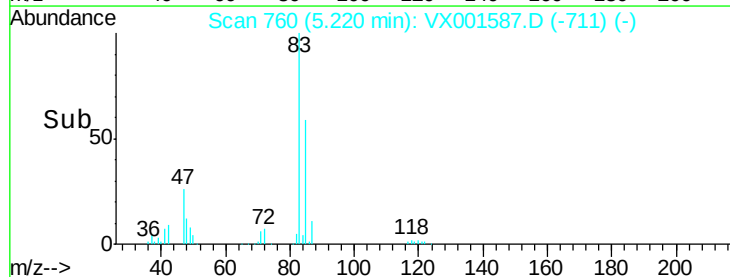
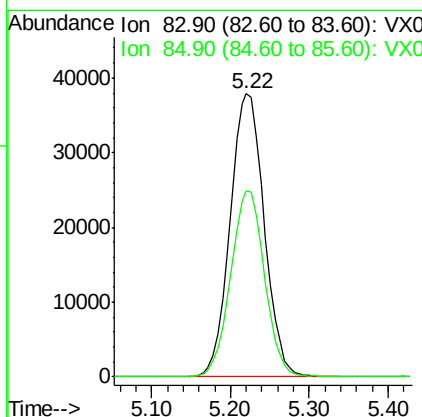
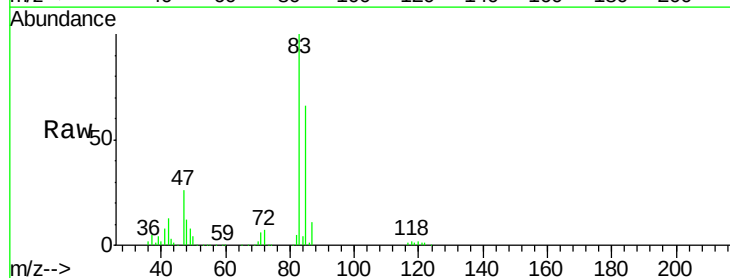
Manual Integrations
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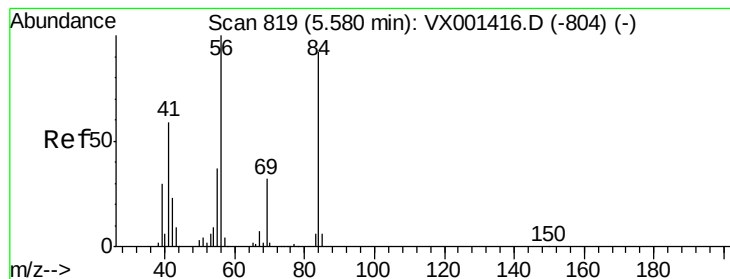
MMDadoda
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#30
Chloroform
Concen: 21.69 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001587.D
Acq: 10 May 2018 06:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.0	76.4





#31

Cyclohexane

Concen: 20.67 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

Instrument :

MSVOA_X

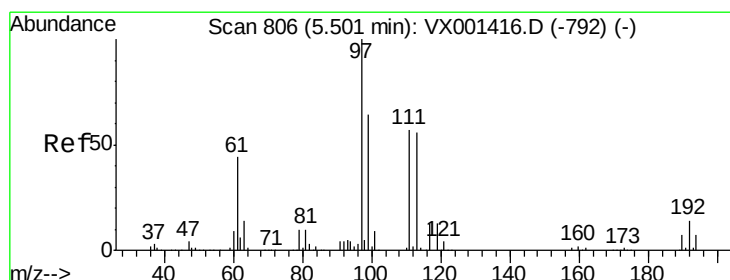
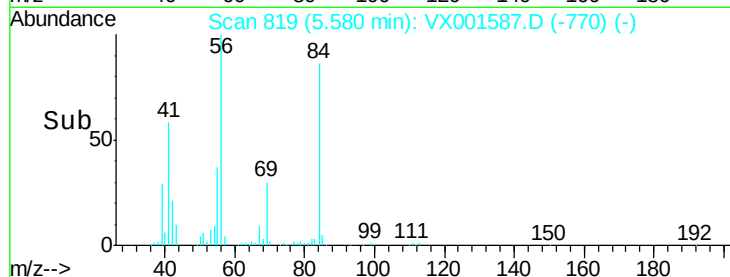
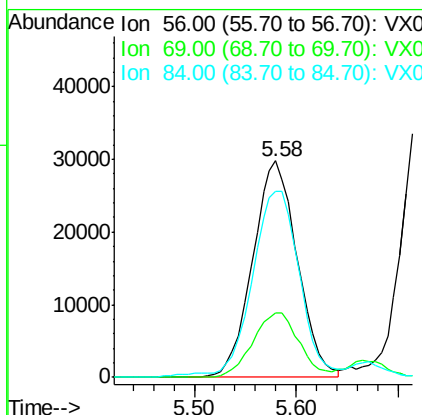
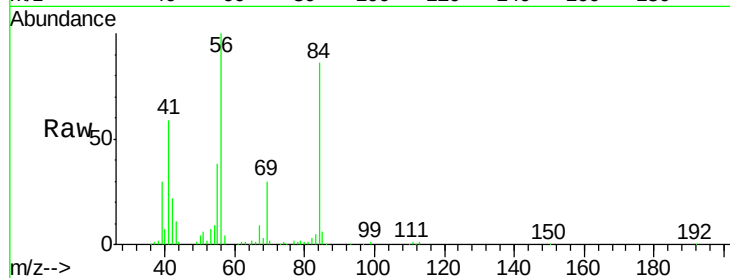
ClientSampleId :

VX0509WBS02

Tot Ion:	56	Resp:	90315
Ion	Ratio	Lower	Upper
56	100		
69	29.8	25.4	38.0
84	84.3	73.8	110.8

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



#32

1,1,1-Trichloroethane

Concen: 21.56 ug/l

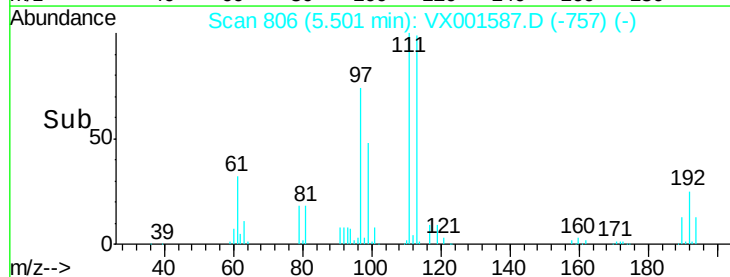
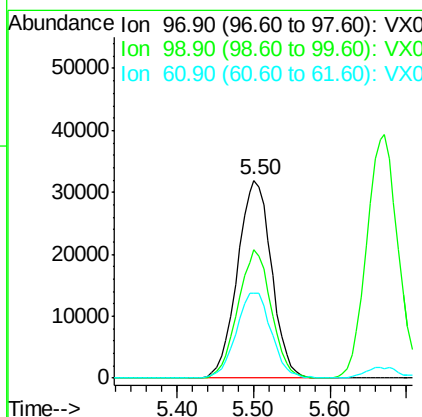
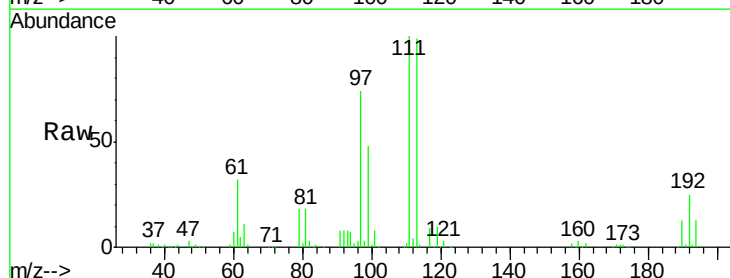
RT: 5.50 min Scan# 806

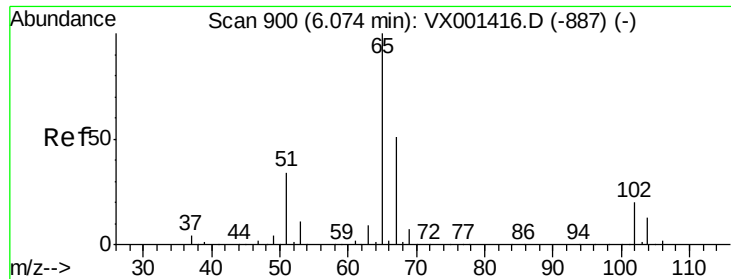
Delta R.T. 0.00 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

Tgt Ion:	97	Resp:	98788
Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.3	76.9
61	44.2	34.8	52.2





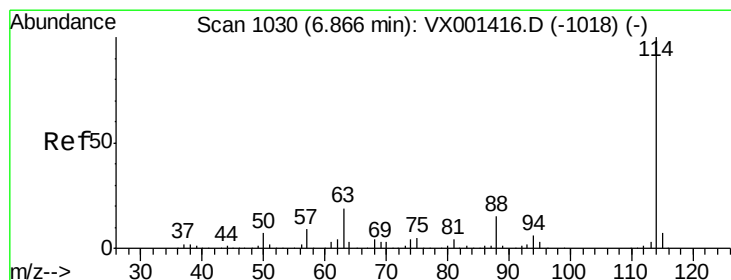
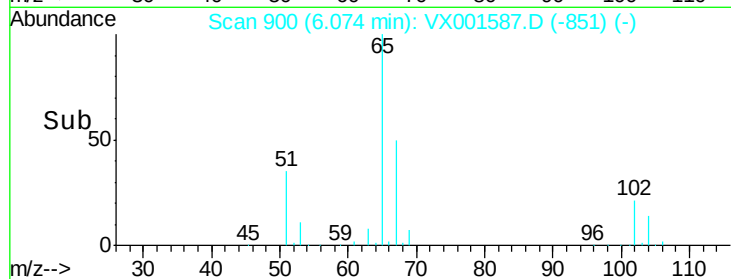
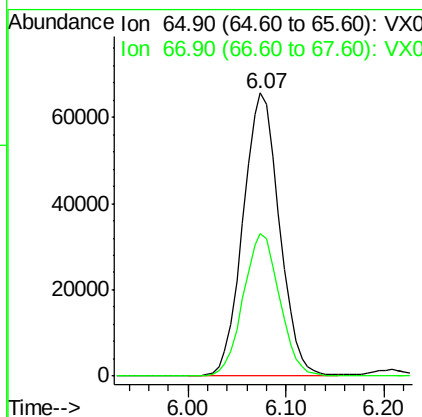
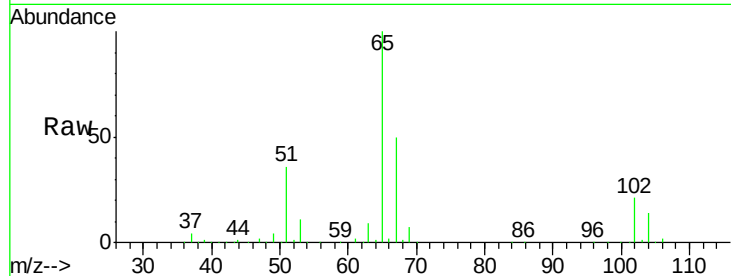
#33
 1,2-Dichloroethane-d4
 Concen: 49.82 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001587.D
 Acq: 10 May 2018 06:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	169210		
67	50.2	0.0	101.8	

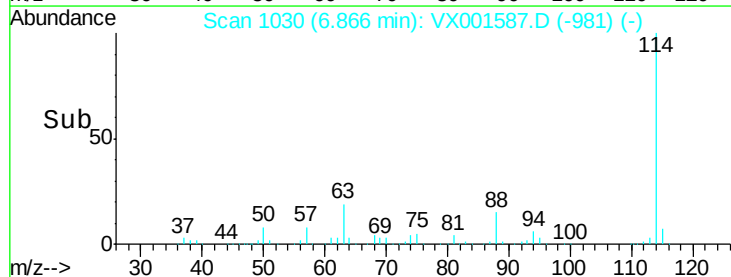
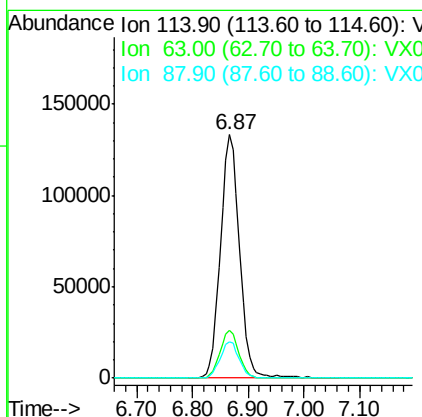
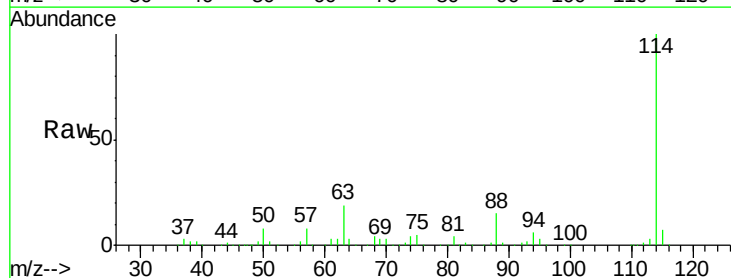
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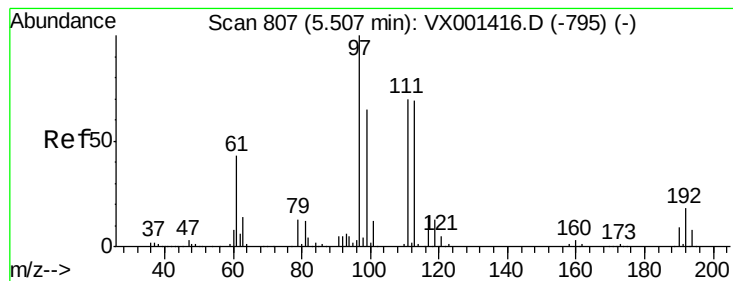
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001587.D
 Acq: 10 May 2018 06:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	316605		
63	19.4	0.0	38.6	
88	15.1	0.0	30.8	





#35

Dibromofluoromethane

Concen: 47.74 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

Instrument :

MSVOA_X

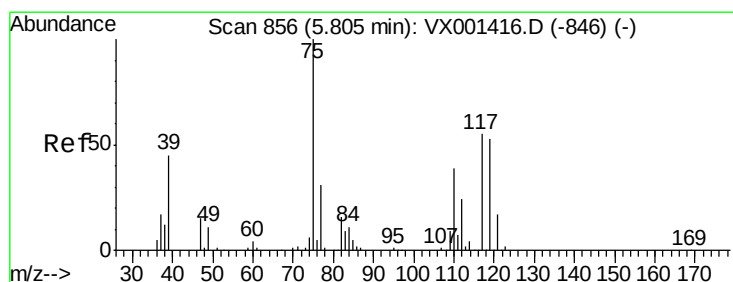
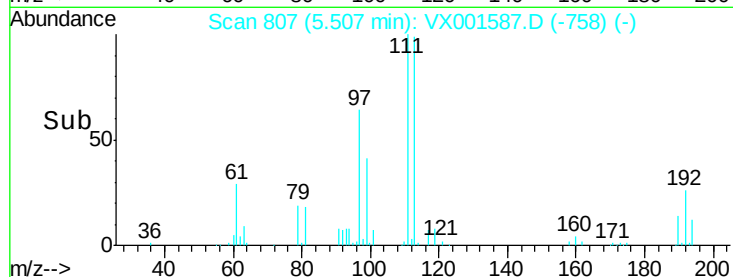
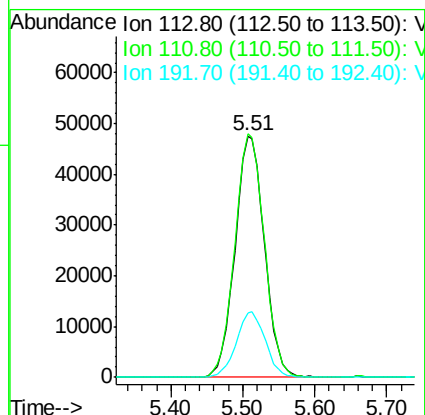
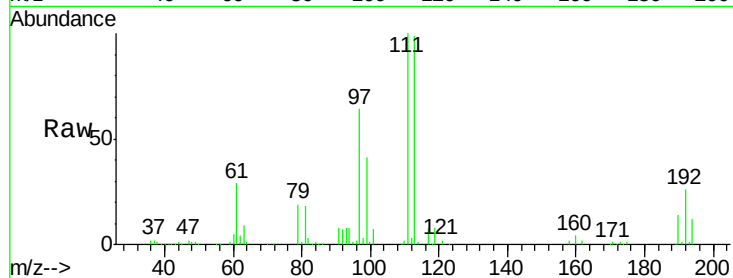
ClientSampleId :

VX0509WBS02

Tot Ion:	113	Resp:	134432
Ion Ratio	Lower	Upper	
113	100		
111	101.4	82.2	123.2
192	26.6	21.4	32.0

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#36

1,1-Dichloropropene

Concen: 19.44 ug/l

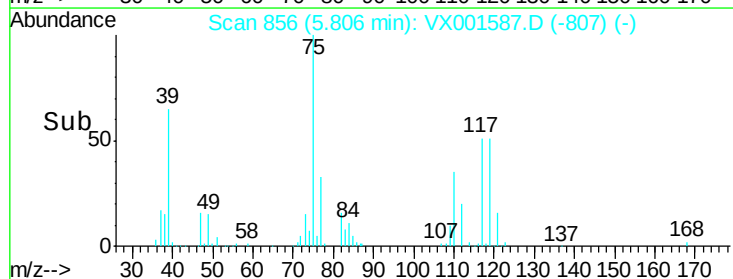
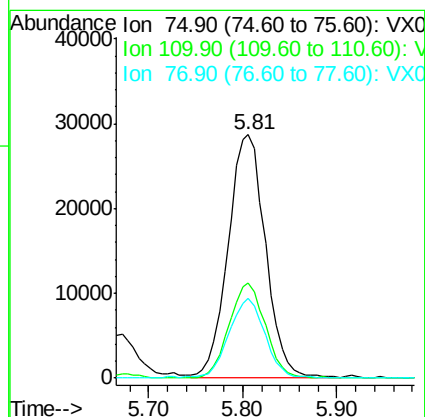
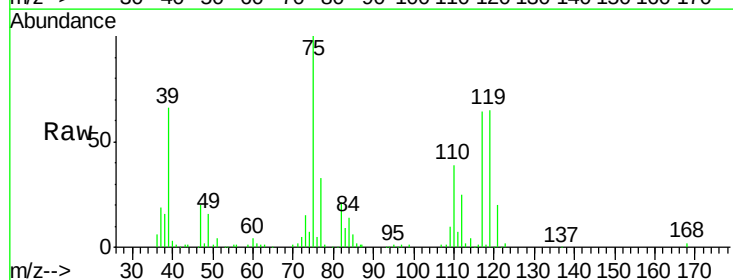
RT: 5.81 min Scan# 856

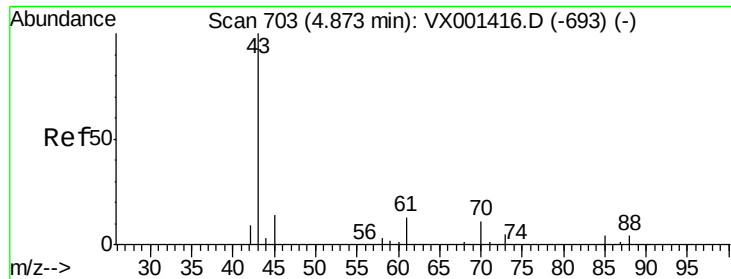
Delta R.T. 0.00 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

Tgt Ion:	75	Resp:	78288
Ion Ratio	Lower	Upper	
75	100		
110	38.5	18.9	56.7
77	31.6	24.9	37.3





#37

Ethyl Acetate

Concen: 20.68 ug/l

RT: 4.87 min Scan# 703

Delta R.T. 0.00 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

Instrument :

MSVOA_X

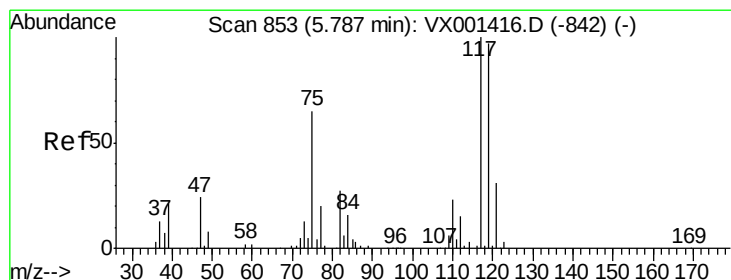
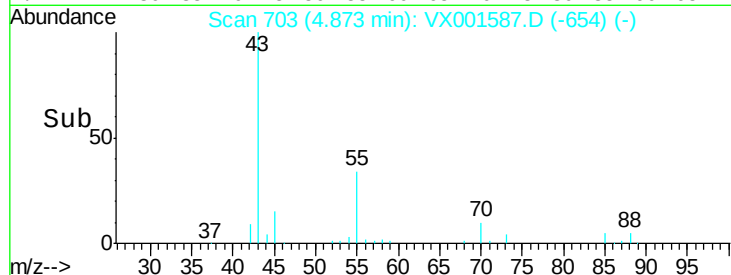
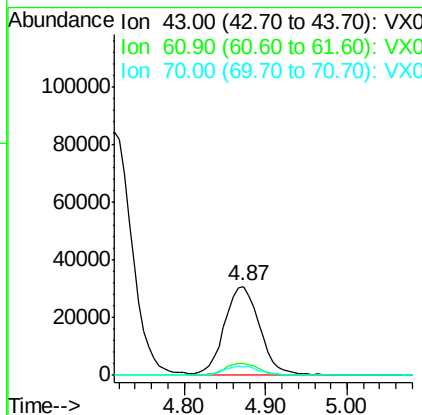
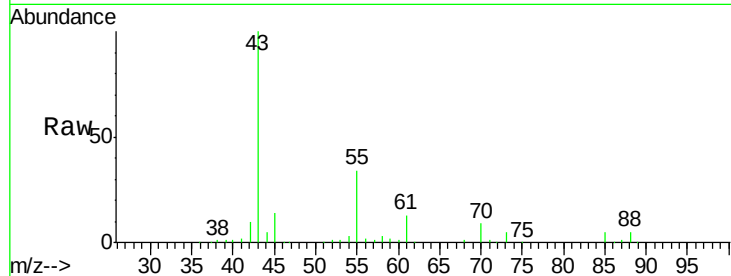
ClientSampleId :

VX0509WBS02

Tot Ion:	43	Resp:	91287
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	10.6	8.4	12.6

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#38

Carbon Tetrachloride

Concen: 19.97 ug/l

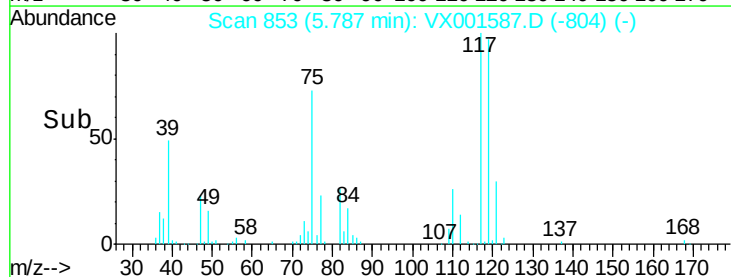
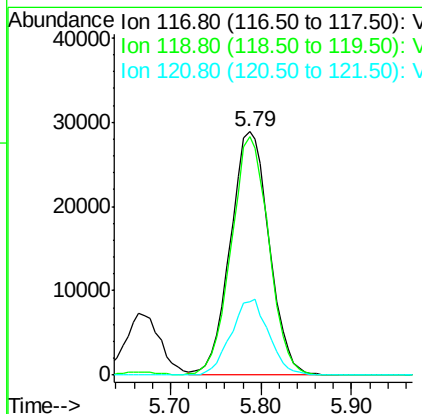
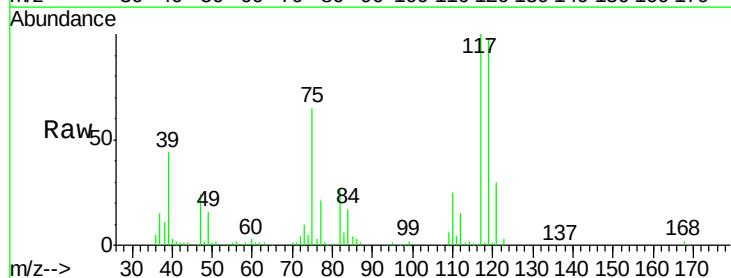
RT: 5.79 min Scan# 853

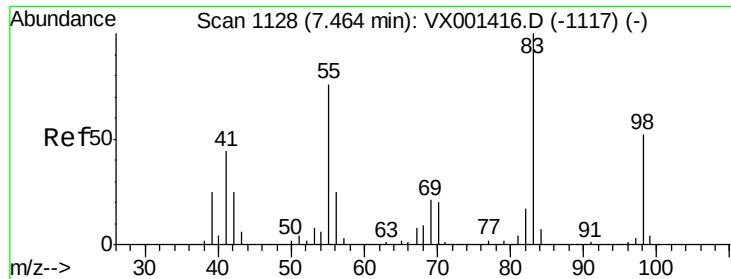
Delta R.T. 0.00 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

Tgt Ion:	117	Resp:	85791
Ion	Ratio	Lower	Upper
117	100		
119	98.2	77.0	115.6
121	30.2	25.1	37.7





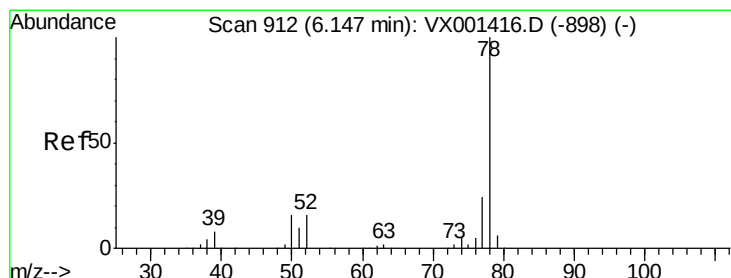
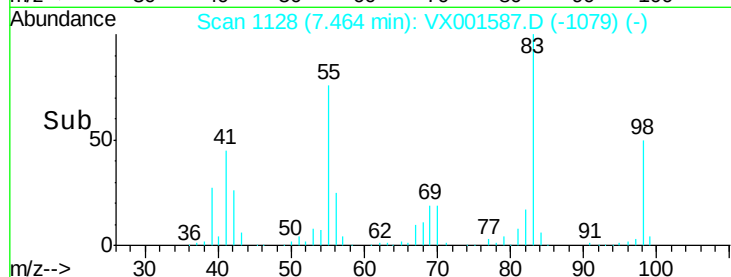
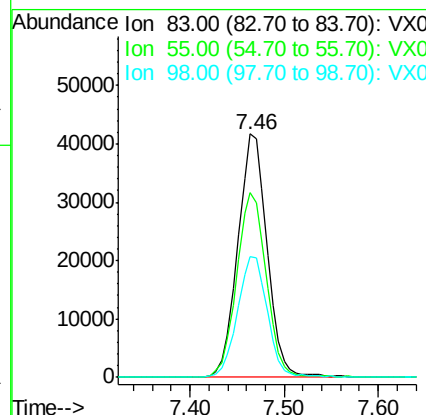
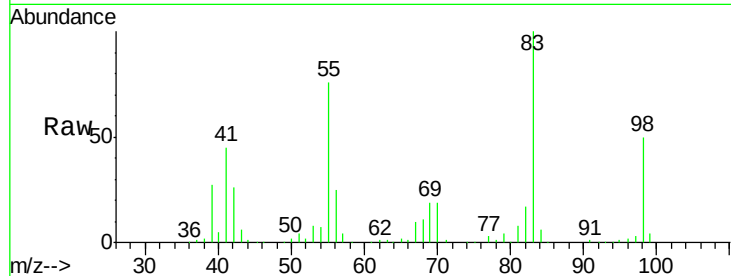
#39
Methylvlcyclohexane
Concen: 18.99 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX001587.D
Acq: 10 May 2018 06:00

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.1	60.9	91.3
98	49.6	41.9	62.9

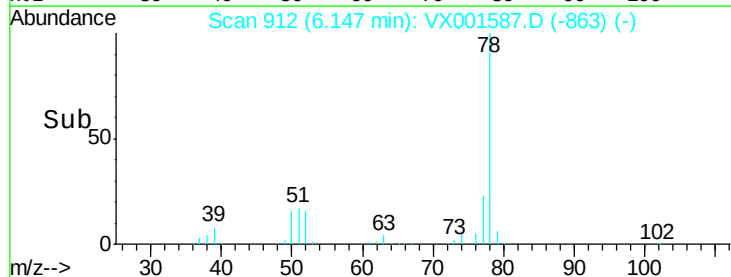
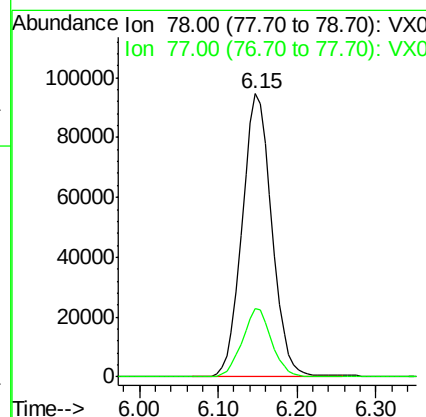
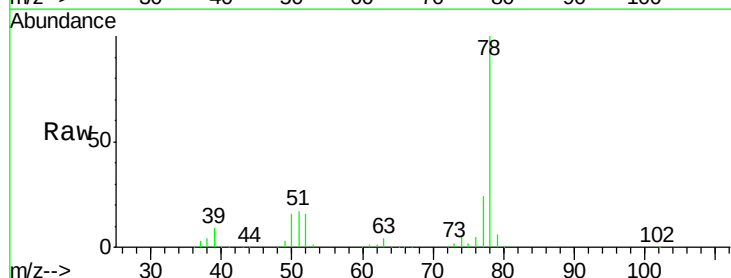
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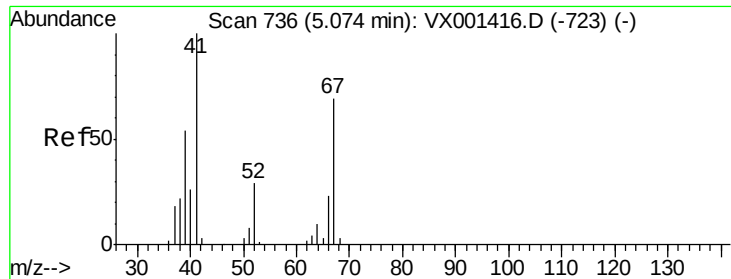
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#40
Benzene
Concen: 21.10 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX001587.D
Acq: 10 May 2018 06:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.4	29.2





#41

Methacrylonitrile

Concen: 20.84 ug/l

RT: 5.07 min Scan# 735

Delta R.T. -0.01 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

Instrument :

MSVOA_X

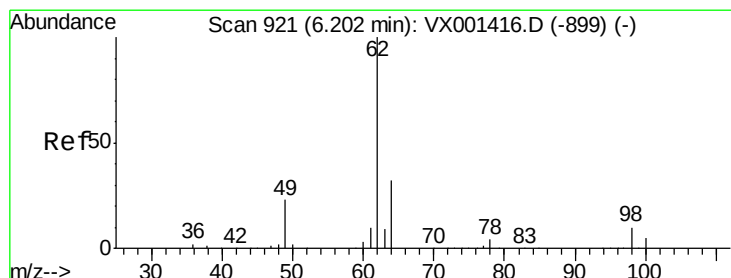
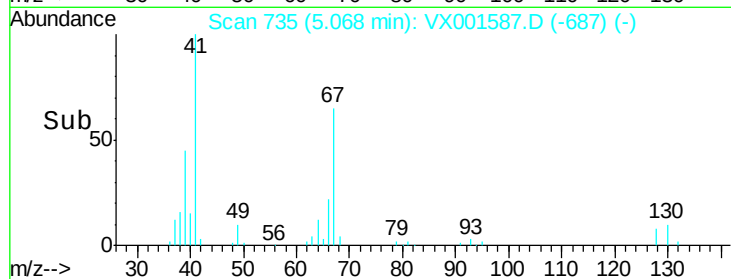
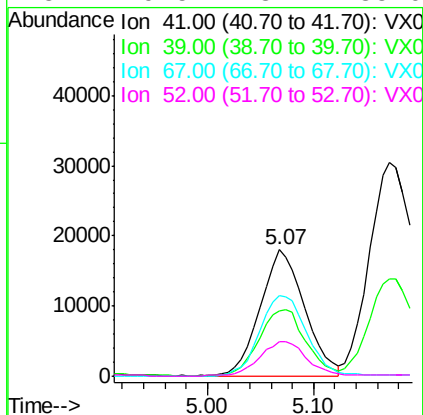
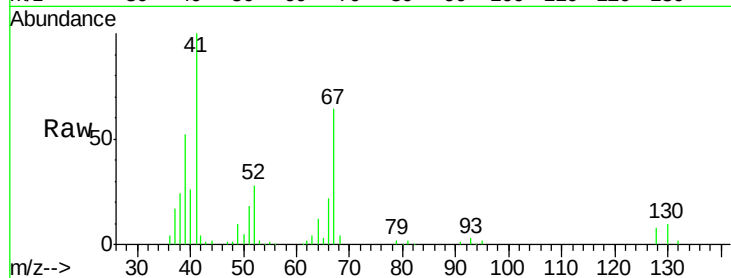
ClientSampleId :

VX0509WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.6	45.0	67.6	
67	67.7	55.0	82.6	
52	29.5	23.4	35.0	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 21.60 ug/l

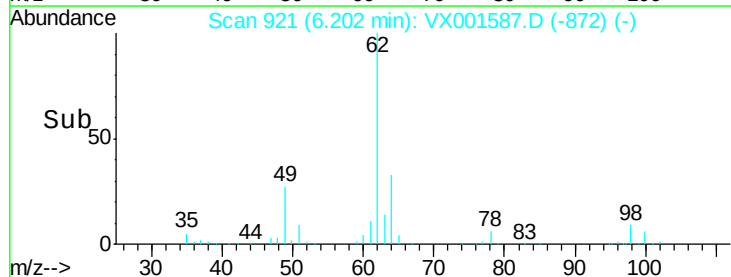
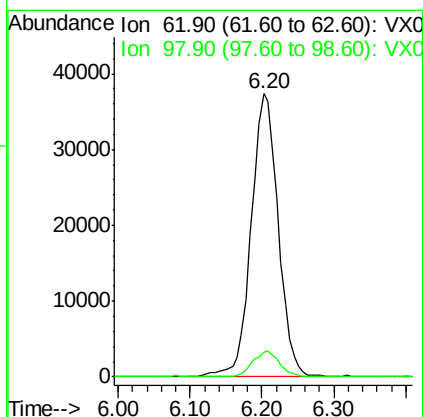
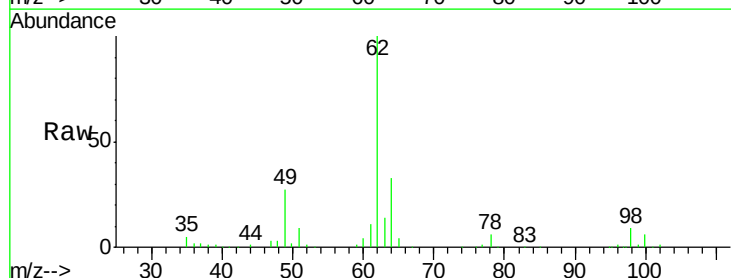
RT: 6.20 min Scan# 921

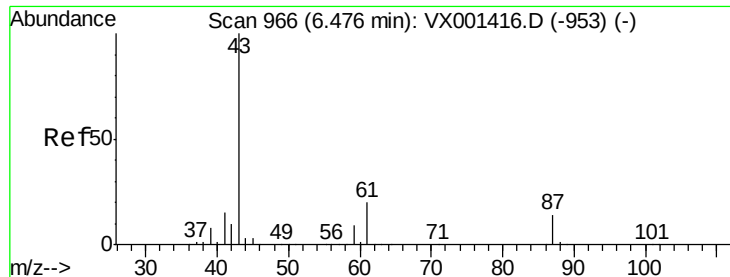
Delta R.T. 0.00 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	19.0	





#43

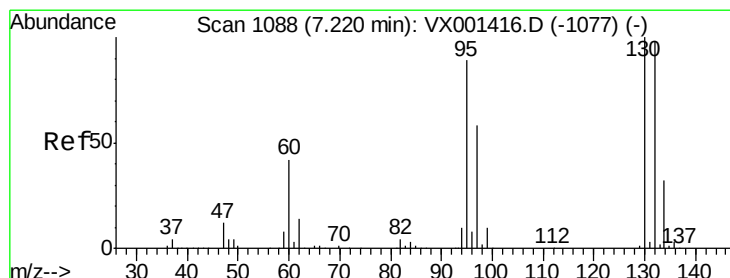
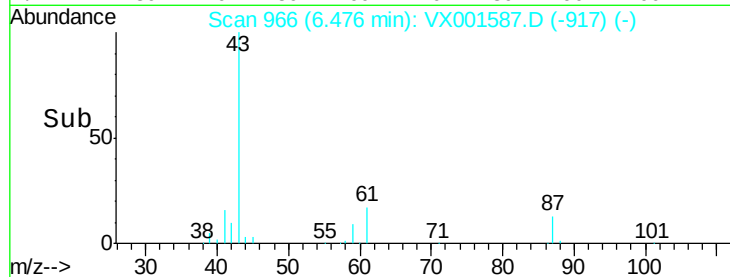
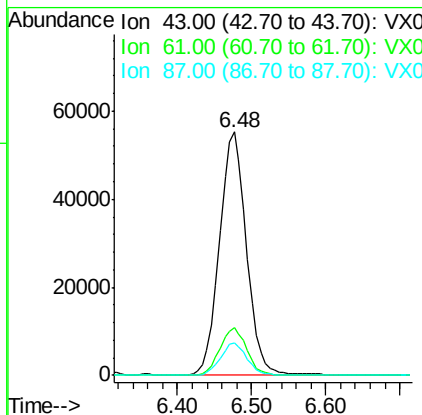
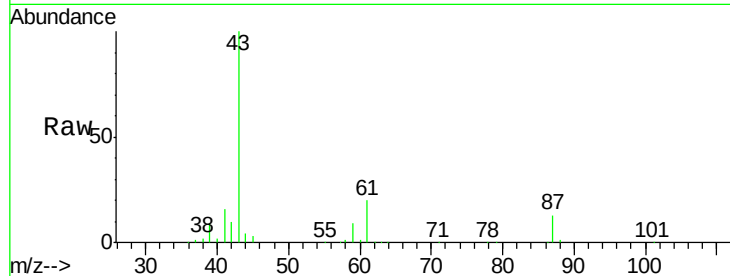
Isopropyl Acetate
 Concen: 20.45 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX001587.D
 Acq: 10 May 2018 06:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS02

Tot Ion	43	61	87
Resp	138587		
Ratio	100	19.5	13.1
Lower		15.4	10.8
Upper		23.0	16.2

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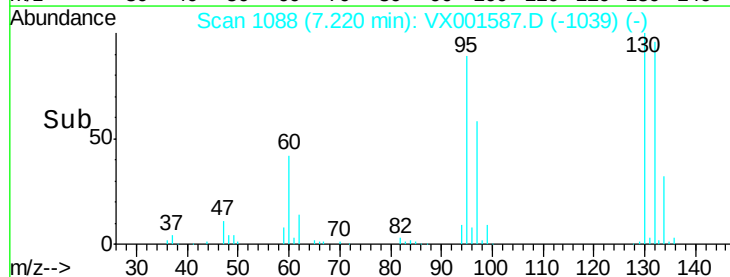
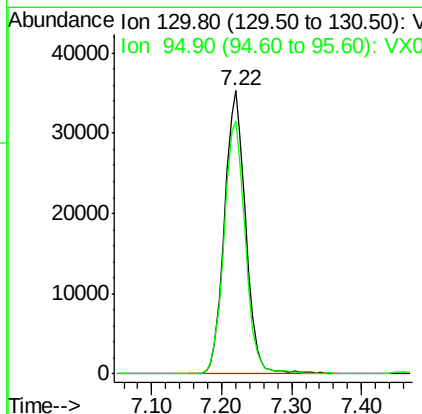
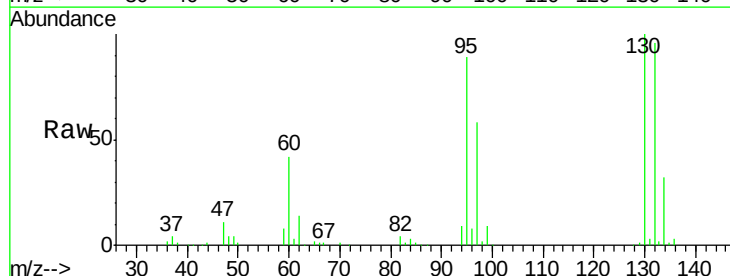
MMDadoda
 5/10/2018 1:52:02 PM

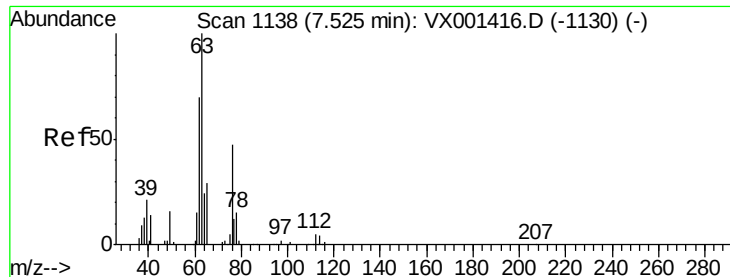


#44

Trichloroethene
 Concen: 20.64 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001587.D
 Acq: 10 May 2018 06:00

Tgt Ion	130	95
Resp	74199	
Ratio	100	89.3
Lower		0.0
Upper		178.4





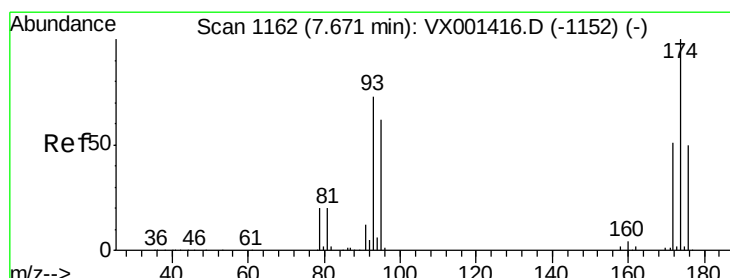
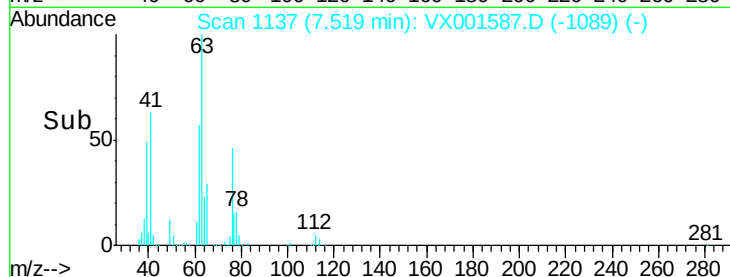
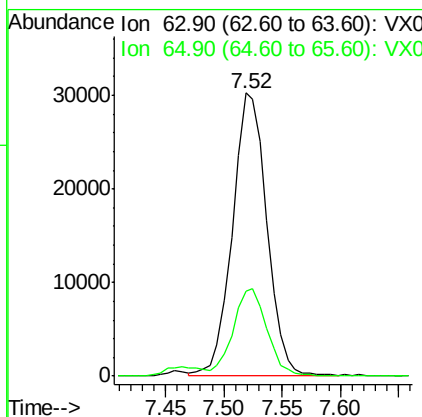
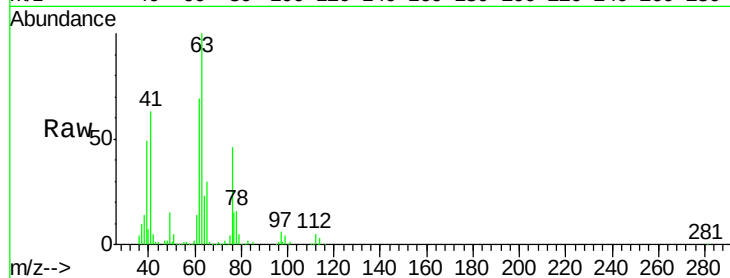
#45
 1,2-Dichloropropane
 Concen: 21.04 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VX001587.D
 Acq: 10 May 2018 06:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS02

Tot Ion: 63 Resp: 61714
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.5 36.7

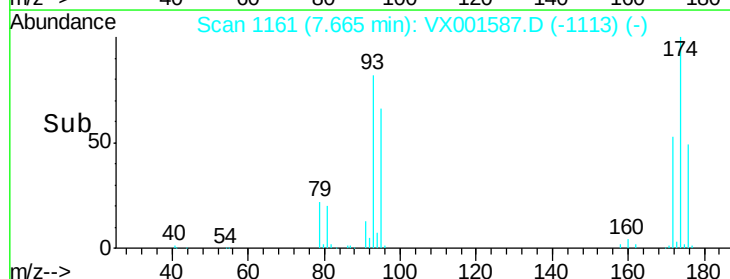
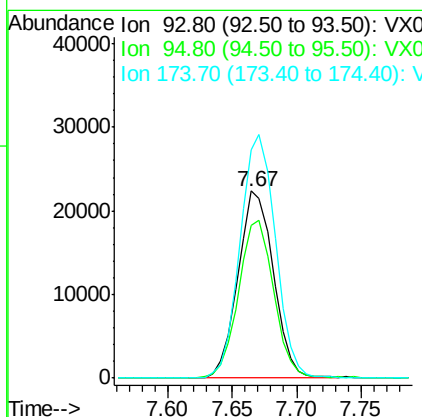
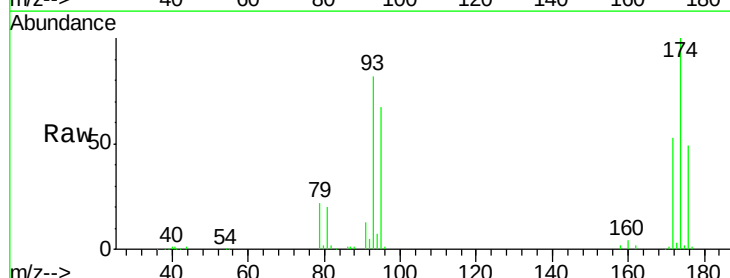
Manual Integrations
 APPROVED

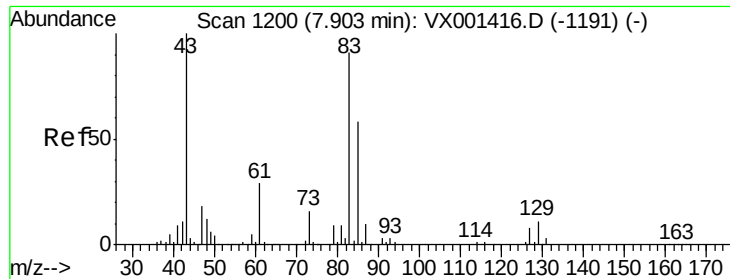
MMDadoda
 5/10/2018 1:52:02 PM



#46
 Dibromomethane
 Concen: 20.59 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.01 min
 Lab File: VX001587.D
 Acq: 10 May 2018 06:00

Tgt Ion: 93 Resp: 42744
 Ion Ratio Lower Upper
 93 100
 95 83.5 67.0 100.4
 174 129.7 104.5 156.7





#47

Bromodichloromethane

Concen: 19.75 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

Instrument :

MSVOA_X

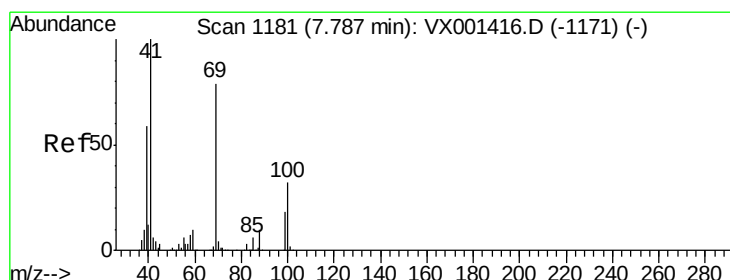
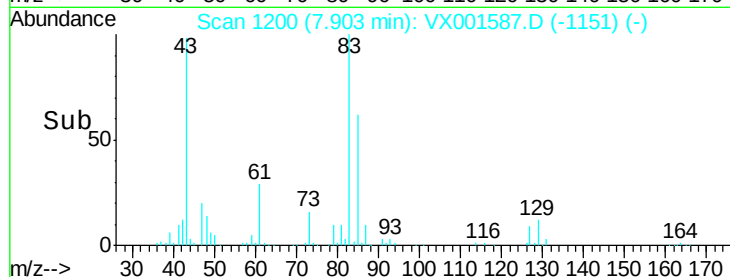
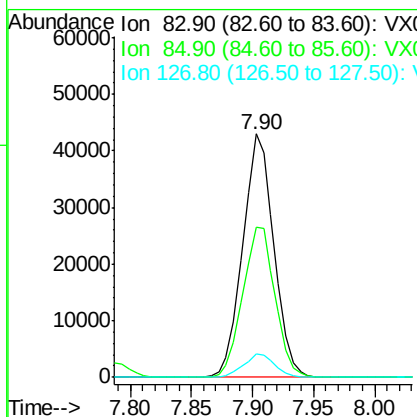
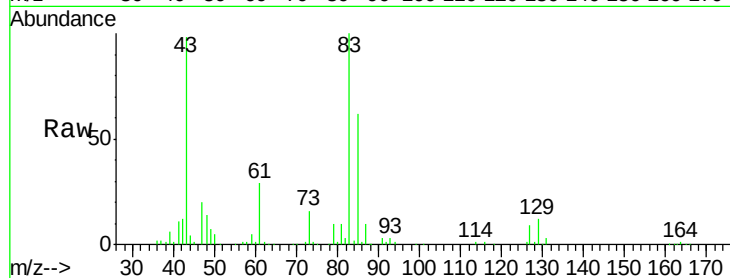
ClientSampleId :

VX0509WBS02

Tot Ion:	83	Resp:	75873
Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.0	76.6
127	9.4	7.4	11.2

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



#48

Methyl methacrylate

Concen: 20.45 ug/l

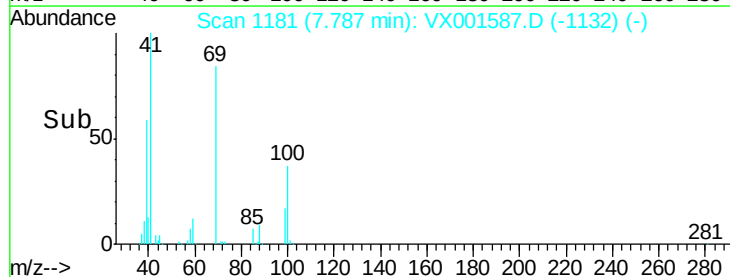
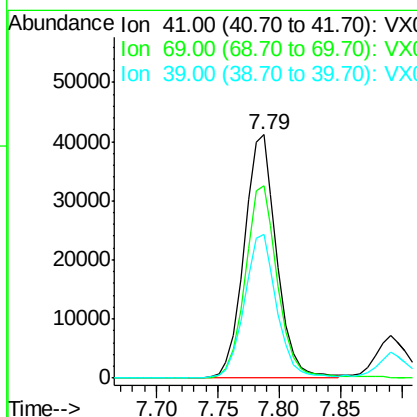
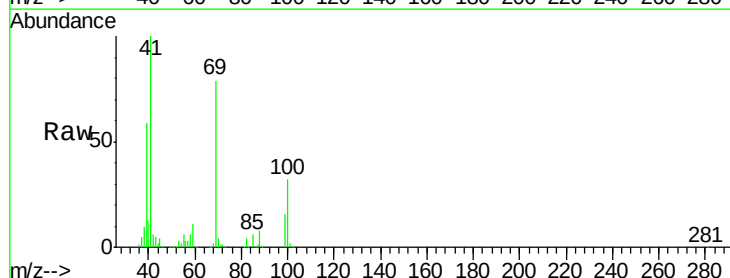
RT: 7.79 min Scan# 1181

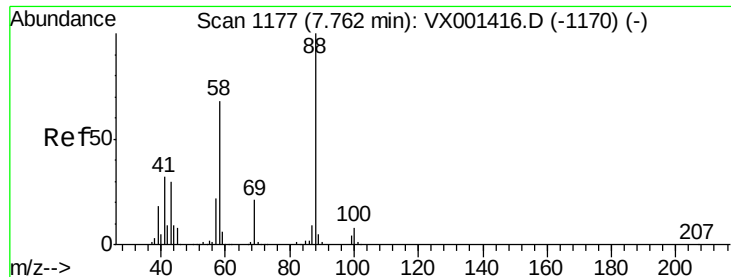
Delta R.T. 0.00 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

Tgt Ion:	41	Resp:	75462
Ion	Ratio	Lower	Upper
41	100		
69	79.1	63.4	95.2
39	58.5	47.0	70.4





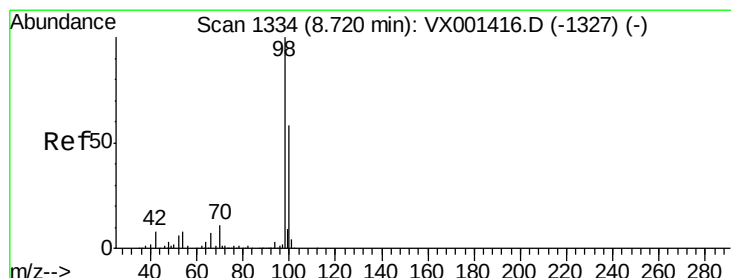
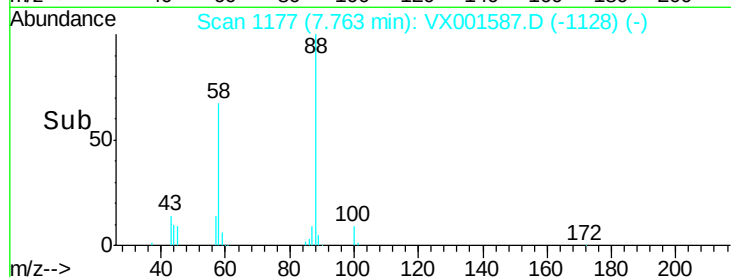
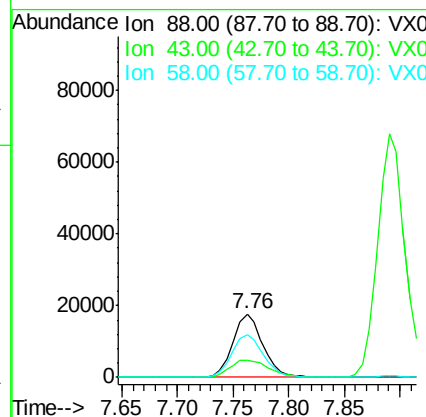
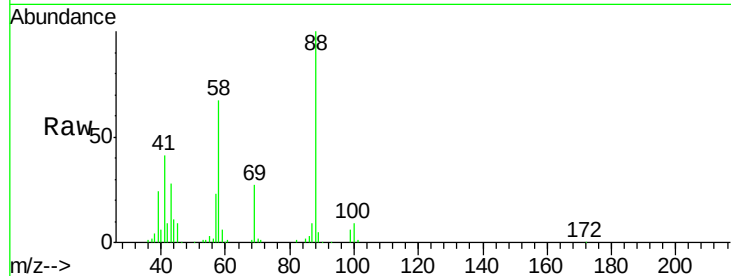
#49
1,4-Dioxane
Concen: 417.90 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX001587.D
Acq: 10 May 2018 06:00

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.9	26.4	39.6
58	71.7	54.1	81.1

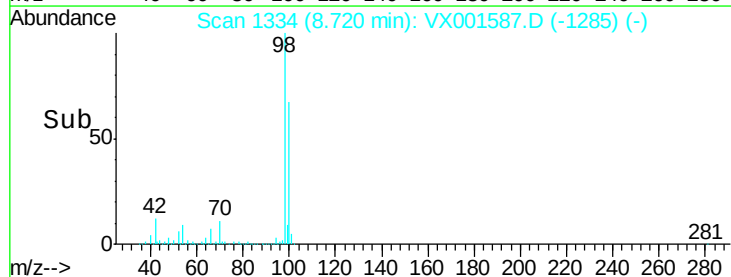
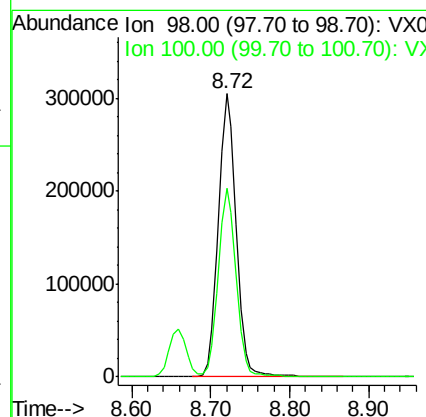
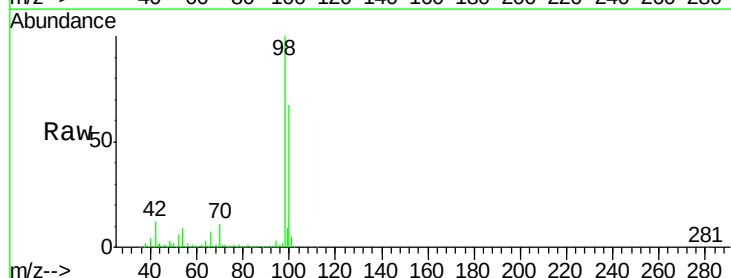
Manual Integrations
APPROVED

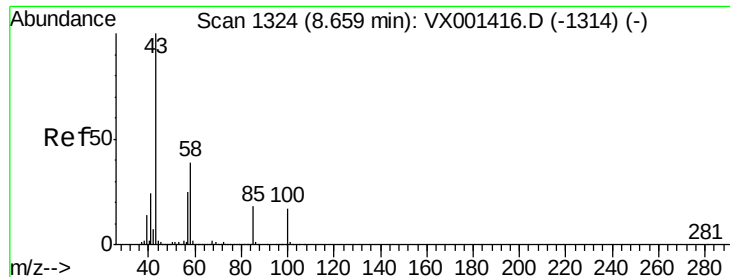
MMDadoda
5/10/2018 1:52:02 PM



#50
Toluene-d8
Concen: 46.97 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001587.D
Acq: 10 May 2018 06:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.1	54.0	81.0





#51

4-Methyl-2-Pentanone

Concen: 108.54 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS02

Tot Ion: 43 Resp: 488826

Ion Ratio Lower Upper

43 100

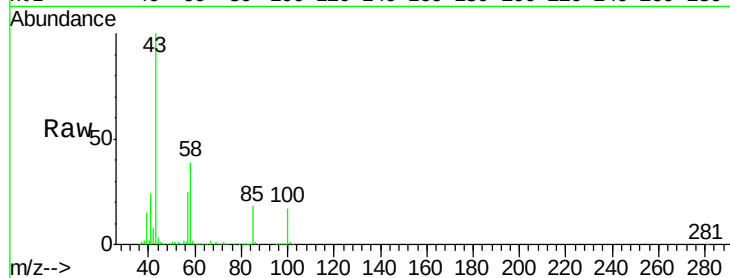
58 37.7 30.8 46.2

Manual Integrations

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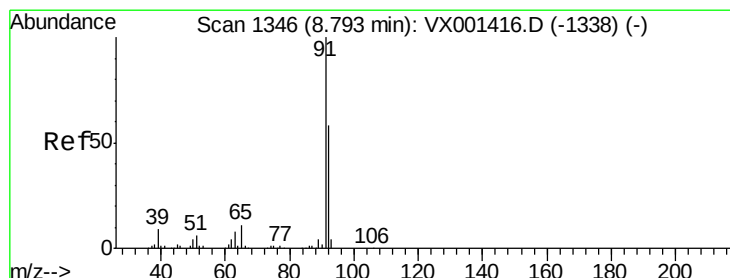
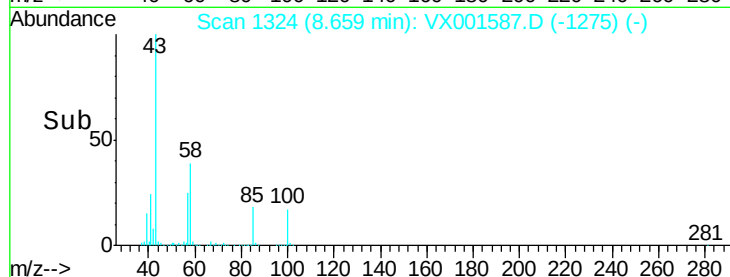
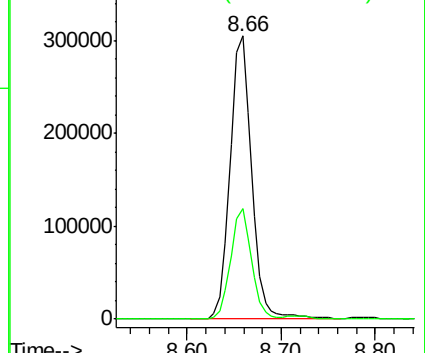
MMDadoda

5/10/2018 1:52:02 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.68 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VX001587.D

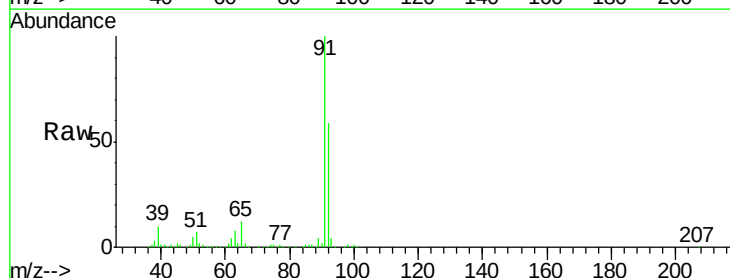
Acq: 10 May 2018 06:00

Tgt Ion: 92 Resp: 159043

Ion Ratio Lower Upper

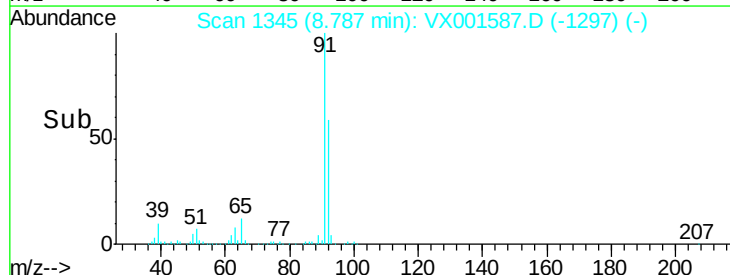
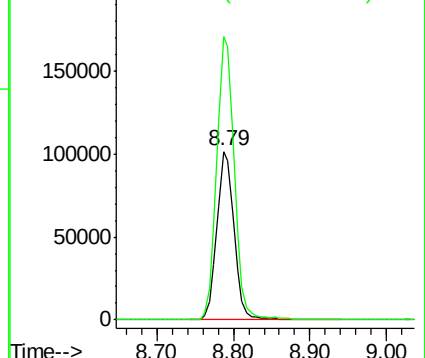
92 100

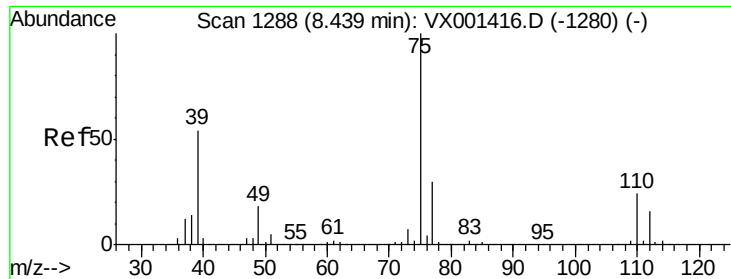
91 171.7 135.2 202.8



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





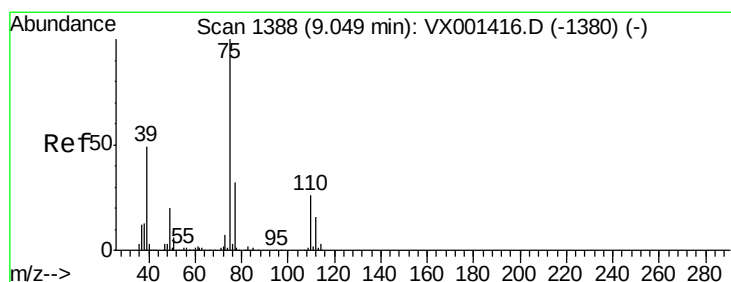
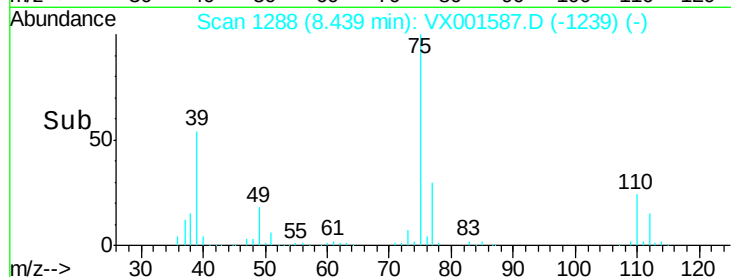
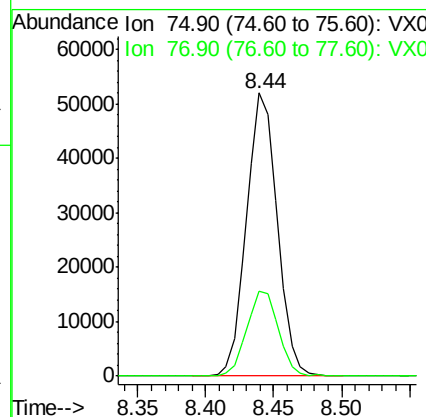
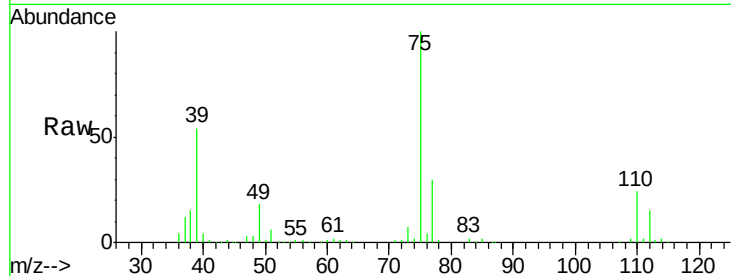
#53
 t-1,3-Dichloropropene
 Concen: 19.01 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX001587.D
 Acq: 10 May 2018 06:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS02

Tot Ion: 75 Resp: 82560
 Ion Ratio Lower Upper
 75 100
 77 29.7 24.2 36.4

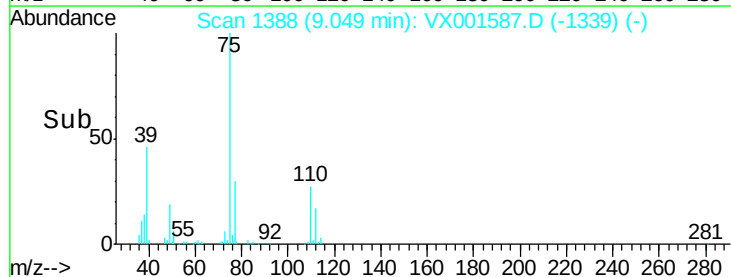
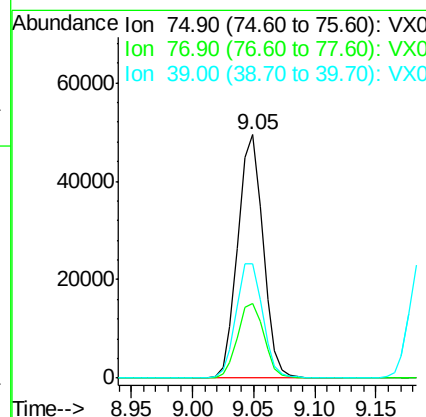
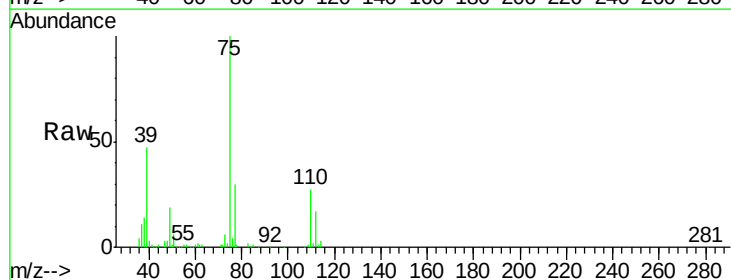
Manual Integrations
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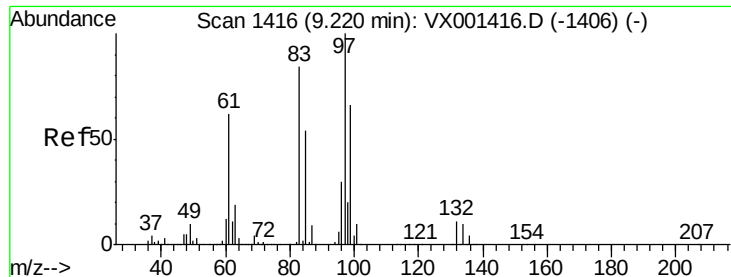
MMDadoda
 5/10/2018 1:52:02 PM



#54
 cis-1,3-Dichloropropene
 Concen: 17.31 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX001587.D
 Acq: 10 May 2018 06:00

Tgt Ion: 75 Resp: 70771
 Ion Ratio Lower Upper
 75 100
 77 30.4 25.5 38.3
 39 46.7 38.9 58.3





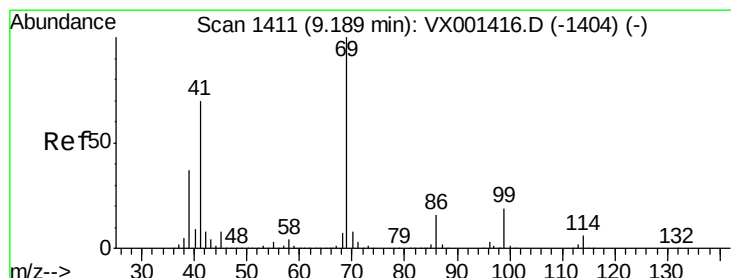
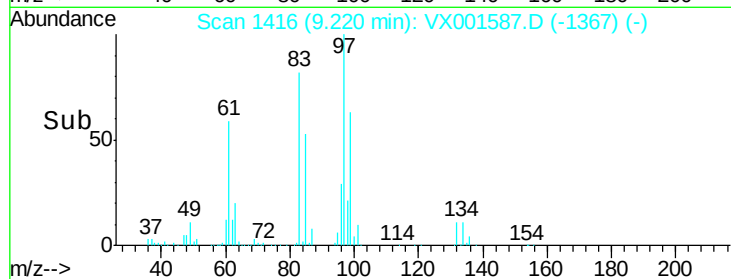
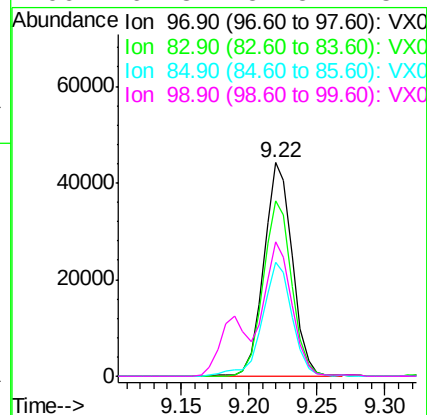
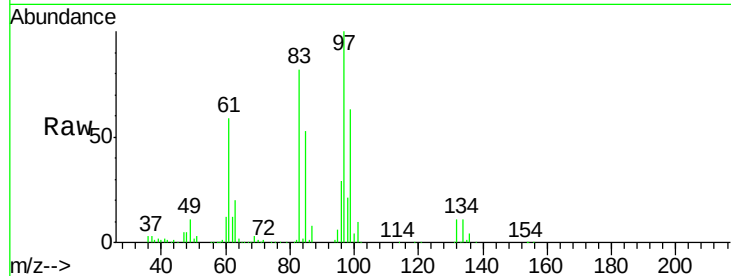
#55
 1,1,2-Trichloroethane
 Concen: 20.96 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001587.D
 Acq: 10 May 2018 06:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		64958		
83	82.1	67.4	101.0		
85	53.1	43.3	64.9		
99	62.8	52.5	78.7		

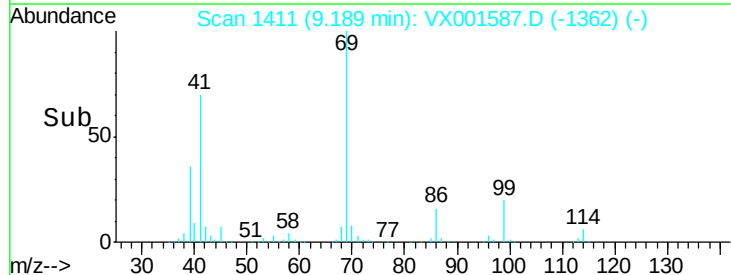
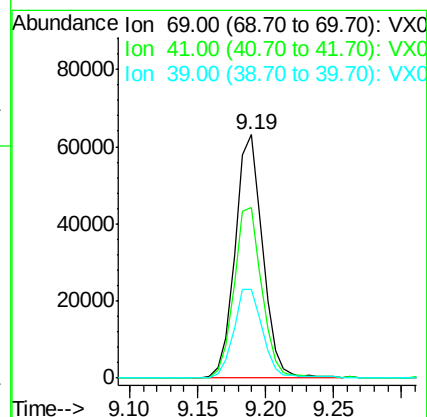
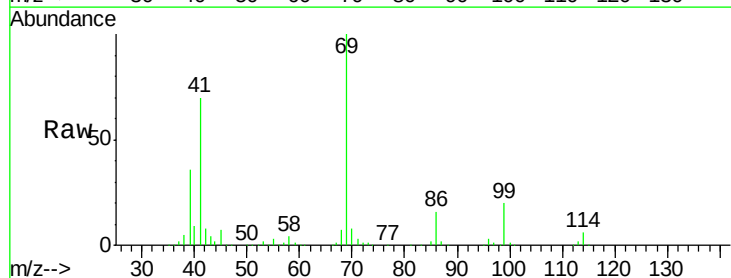
Manual Integrations
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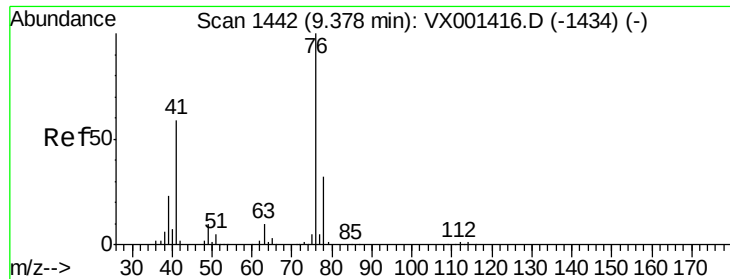
MMDadoda
 5/10/2018 1:52:02 PM



#56
 Ethyl methacrylate
 Concen: 19.92 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001587.D
 Acq: 10 May 2018 06:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		88963		
41	70.6	55.1	82.7		
39	38.0	29.9	44.9		





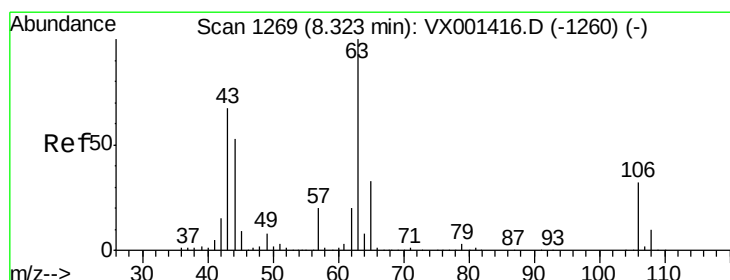
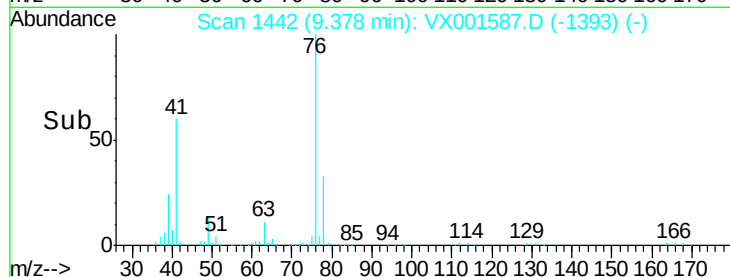
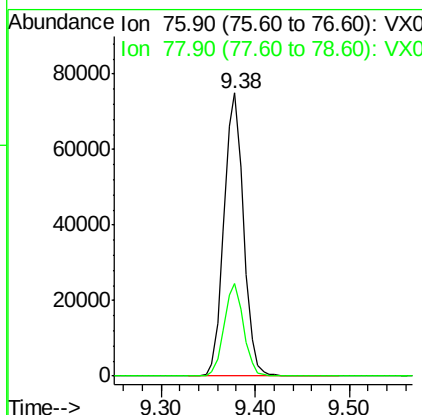
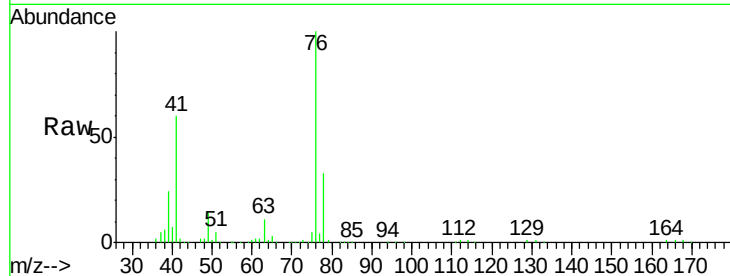
#57
 1,3-Dichloropropane
 Concen: 21.09 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001587.D
 Acq: 10 May 2018 06:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS02

Tot Ion: 76 Resp: 108040
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.6

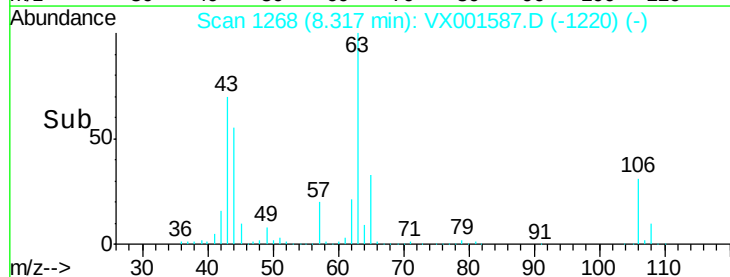
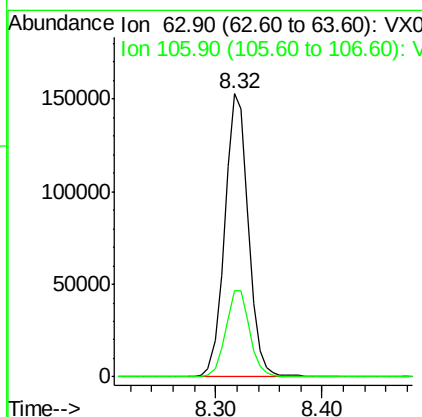
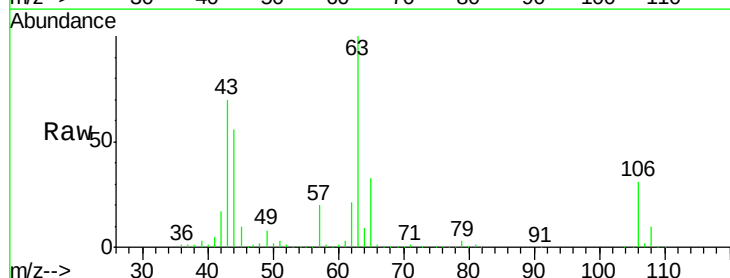
Manual Integrations
 APPROVED

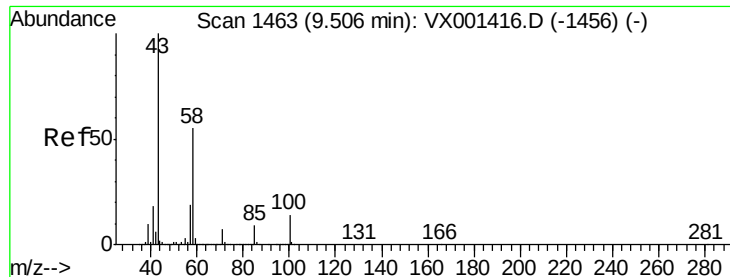
MMDadoda
 5/10/2018 1:52:02 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.92 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX001587.D
 Acq: 10 May 2018 06:00

Tgt Ion: 63 Resp: 236437
 Ion Ratio Lower Upper
 63 100
 106 31.5 25.4 38.0





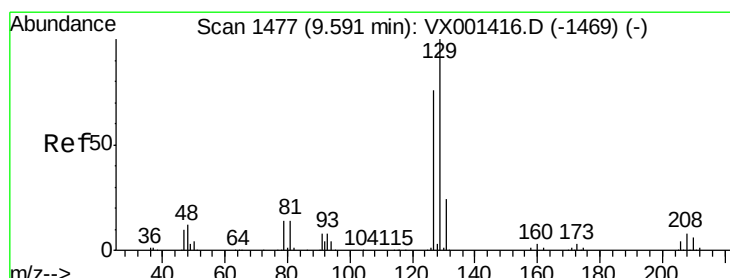
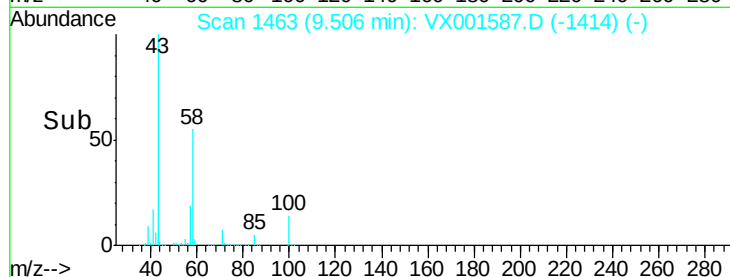
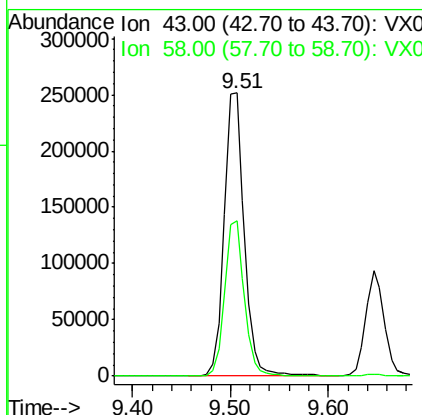
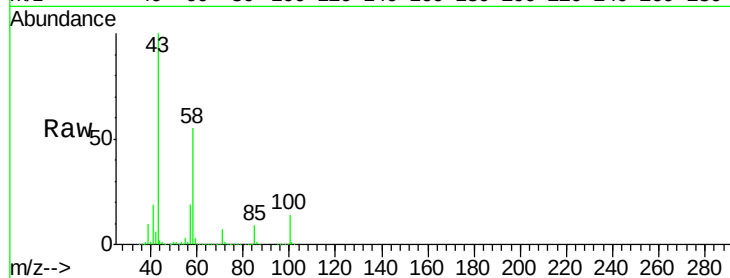
#59
2-Hexanone
Concen: 103.83 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001587.D
Acq: 10 May 2018 06:00

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS02

Tot Ion: 43 Resp: 358066
Ion Ratio Lower Upper
43 100
58 53.9 27.1 81.2

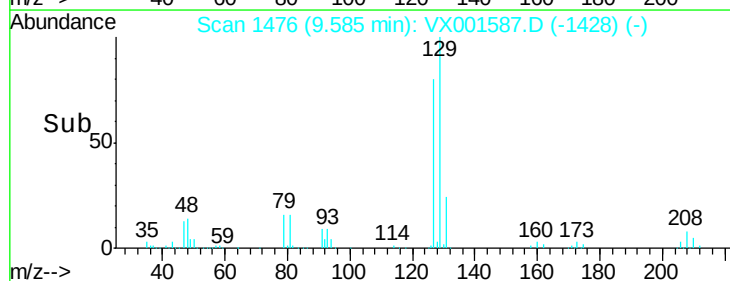
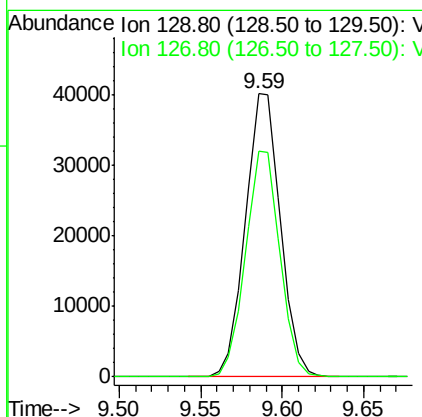
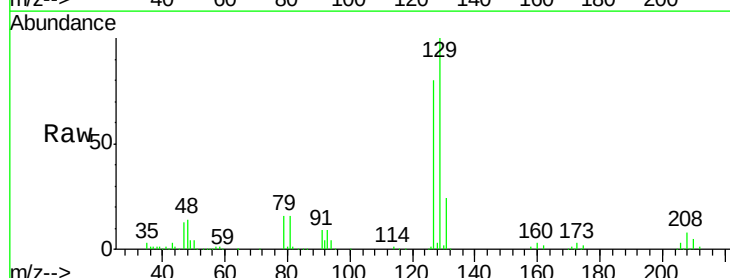
Manual Integrations
APPROVED

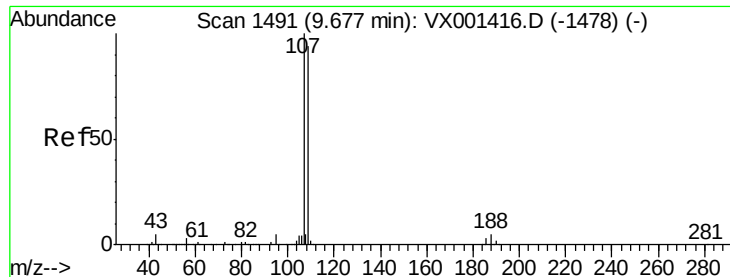
MMDadoda
5/10/2018 1:52:02 PM



#60
Dibromochloromethane
Concen: 18.91 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001587.D
Acq: 10 May 2018 06:00

Tgt Ion: 129 Resp: 60000
Ion Ratio Lower Upper
129 100
127 78.3 38.1 114.5





#61

1,2-Dibromoethane

Concen: 20.61 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

Instrument :

MSVOA_X

ClientSampled :

VX0509WBS02

Tot Ion:107 Resp: 67043

Ion Ratio Lower Upper

107 100

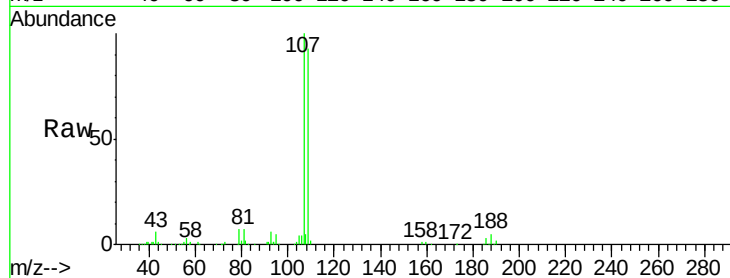
109 95.1 75.5 113.3

Manual Integrations

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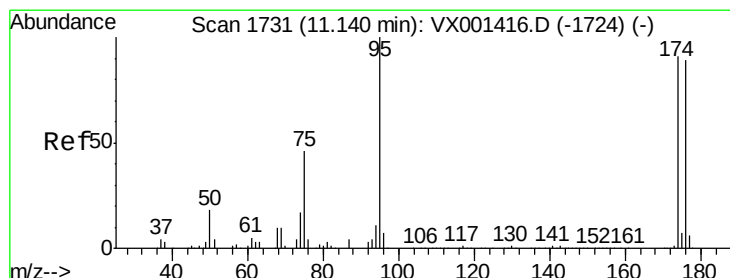
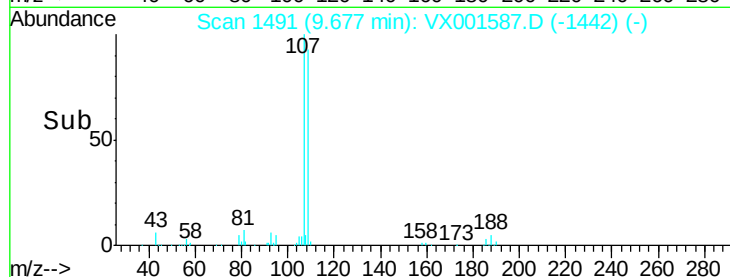
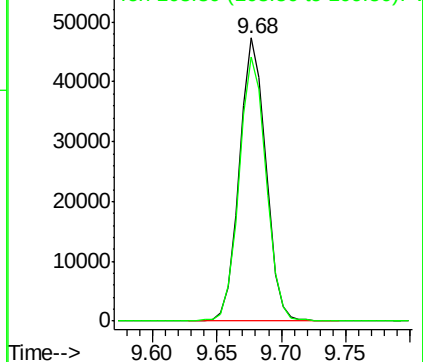
MMDadoda

5/10/2018 1:52:02 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.05 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

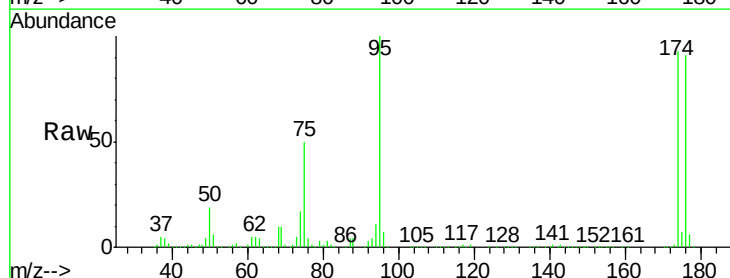
Tgt Ion: 95 Resp: 177766

Ion Ratio Lower Upper

95 100

174 101.3 0.0 202.0

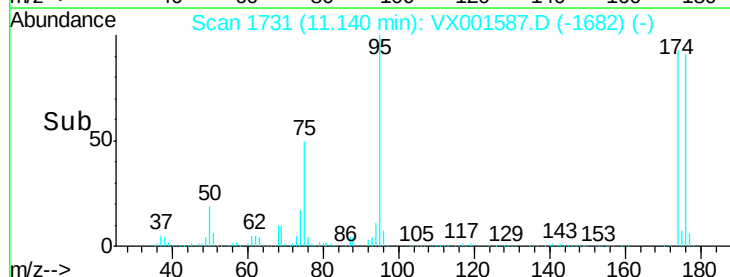
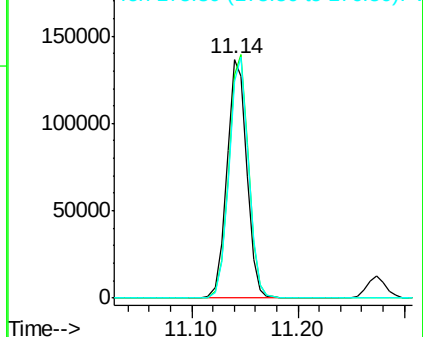
176 99.6 0.0 197.4

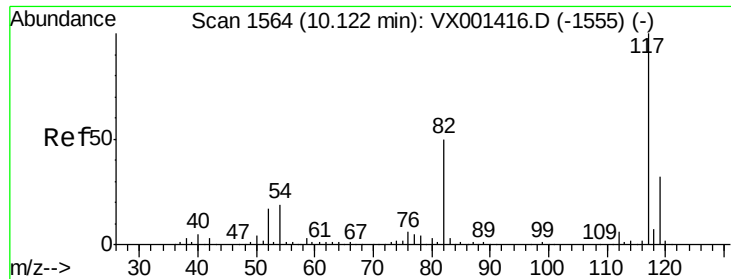


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





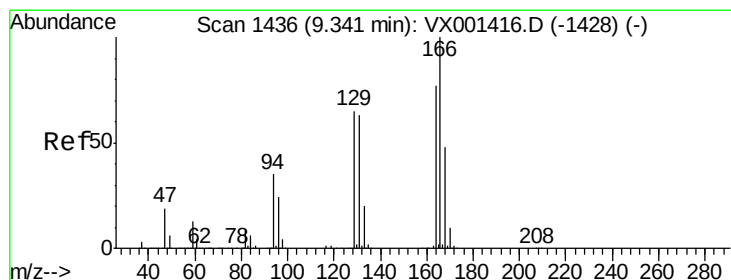
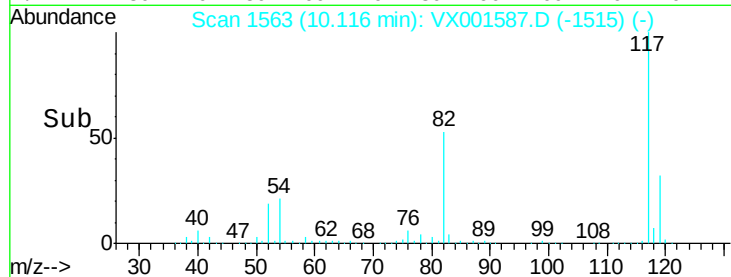
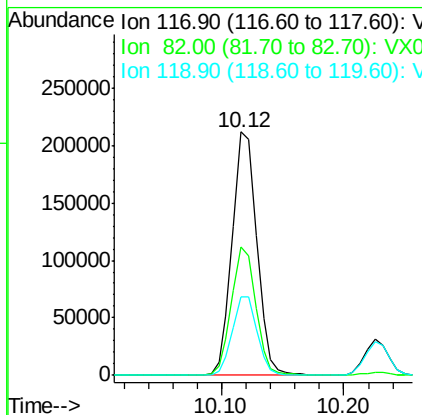
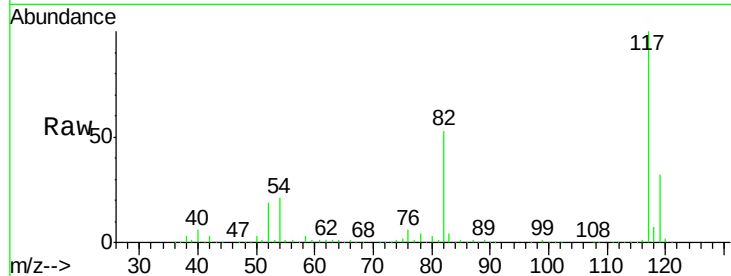
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001587.D
Acq: 10 May 2018 06:00

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	40.0	60.0
119	32.4	25.8	38.8

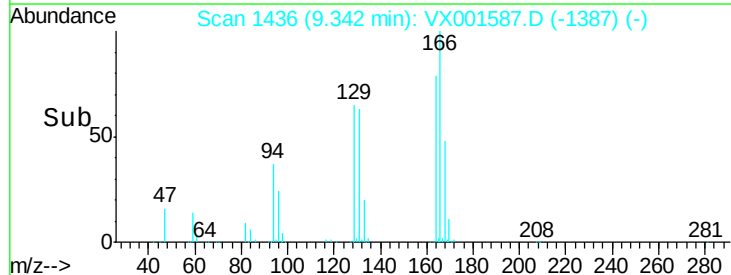
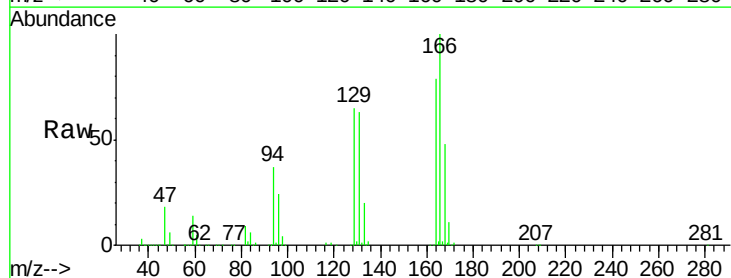
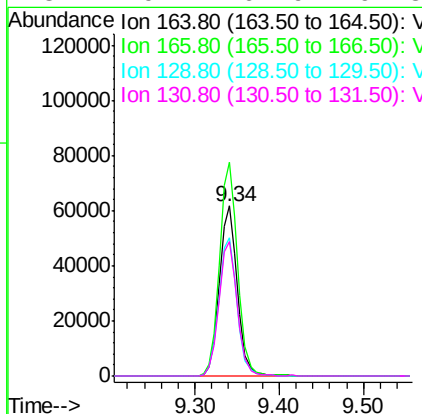
Manual Integrations
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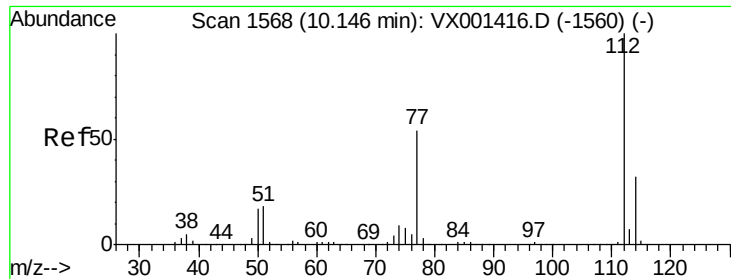
MMDadoda
5/10/2018 1:52:02 PM



#64
Tetrachloroethene
Concen: 21.95 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001587.D
Acq: 10 May 2018 06:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	103.5	155.3
129	81.2	66.7	100.1
131	79.1	64.9	97.3





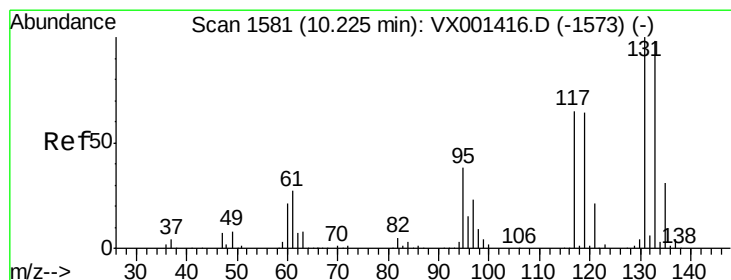
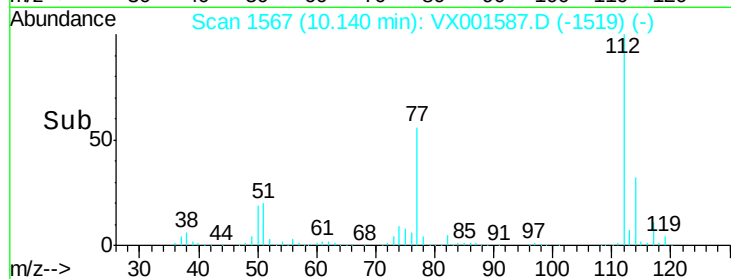
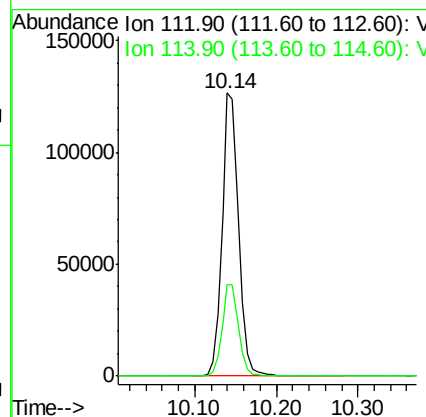
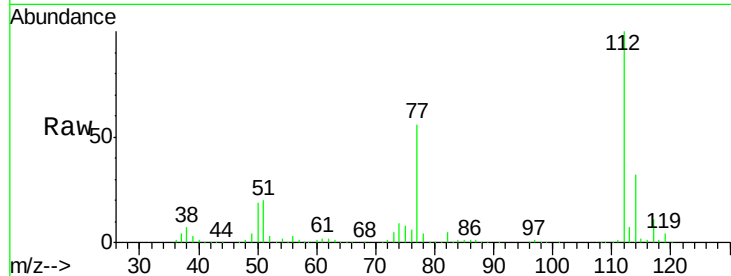
#65
Chlorobenzene
Concen: 20.72 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX001587.D
Acq: 10 May 2018 06:00

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS02

Tot Ion:112 Resp: 180141
Ion Ratio Lower Upper
112 100
114 32.2 26.0 39.0

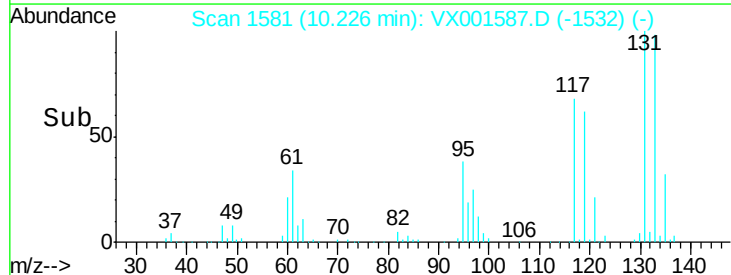
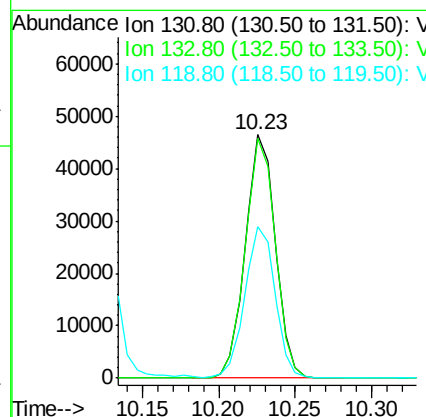
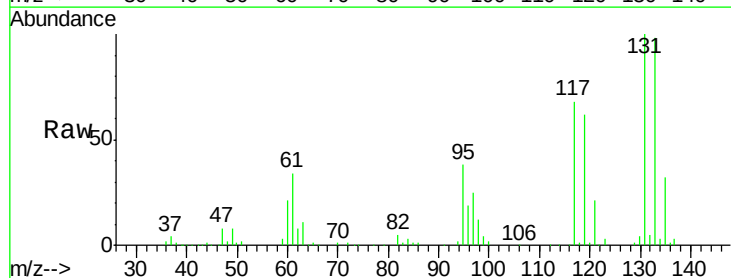
Manual Integrations
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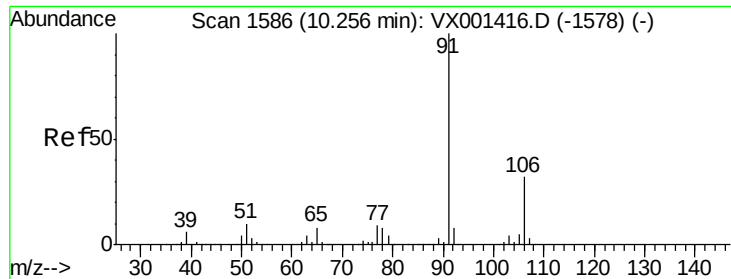
MMDadoda
5/10/2018 1:52:02 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.37 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX001587.D
Acq: 10 May 2018 06:00

Tgt Ion:131 Resp: 63353
Ion Ratio Lower Upper
131 100
133 98.7 47.9 143.8
119 62.9 31.1 93.3





#67

Ethyl Benzene

Concen: 20.48 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS02

Tot Ion: 91 Resp: 291744

Ion Ratio Lower Upper

91 100

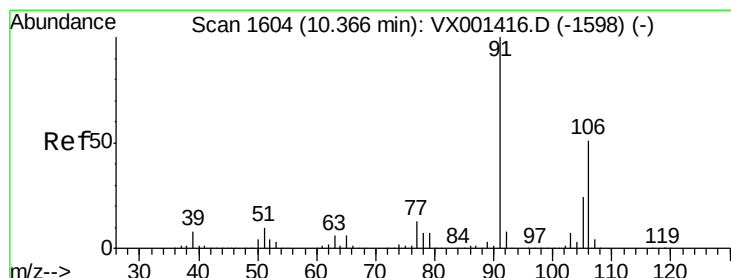
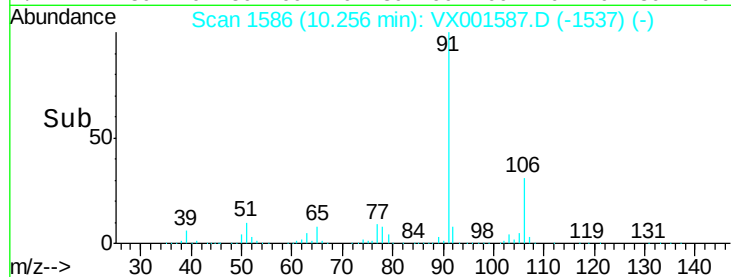
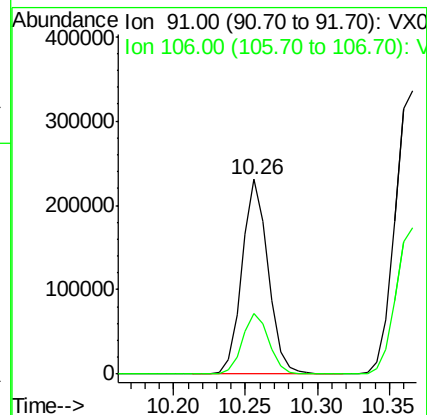
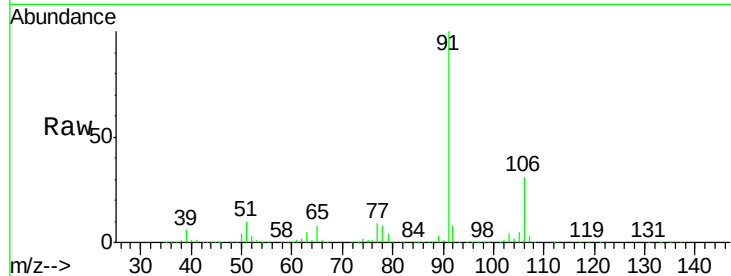
106 31.5 25.5 38.3

Manual Integrations

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5/10/2018 1:52:02 PM



#68

m/p-Xylenes

Concen: 41.28 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX001587.D

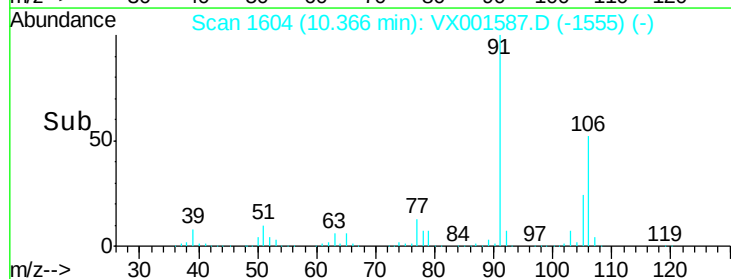
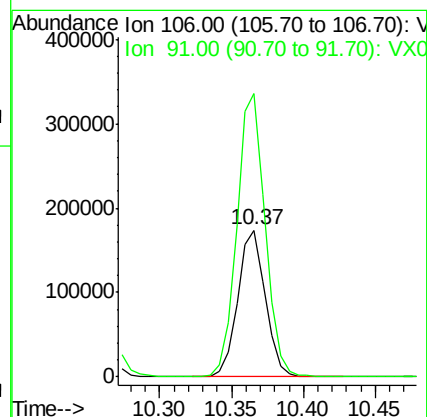
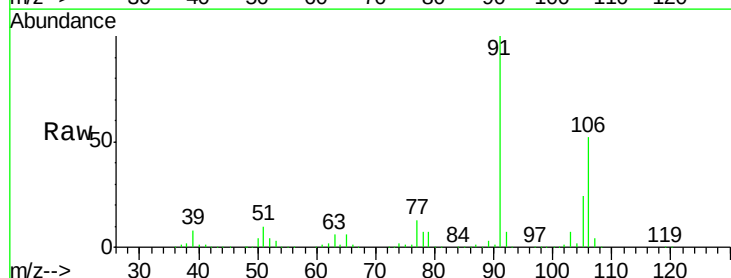
Acq: 10 May 2018 06:00

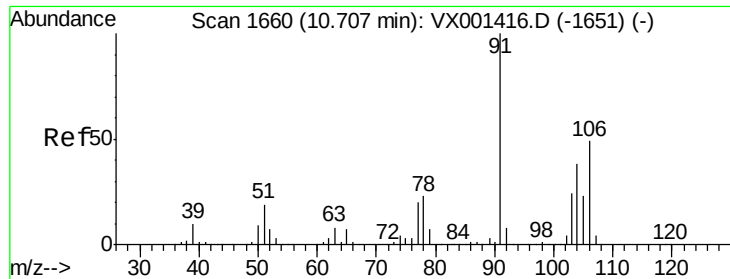
Tgt Ion: 106 Resp: 232429

Ion Ratio Lower Upper

106 100

91 197.8 157.5 236.3





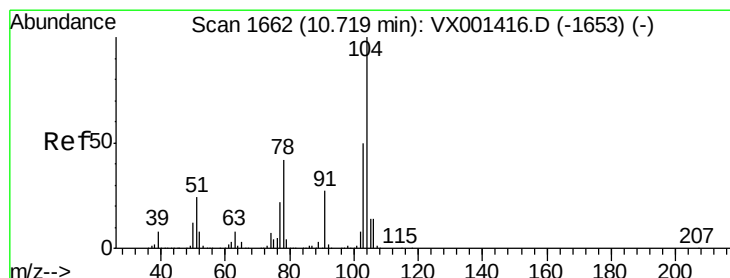
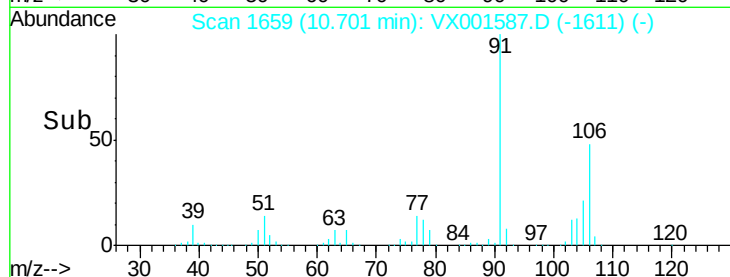
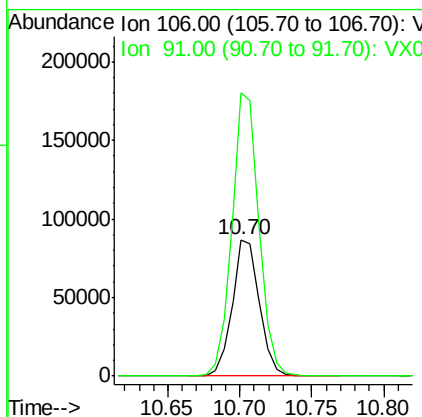
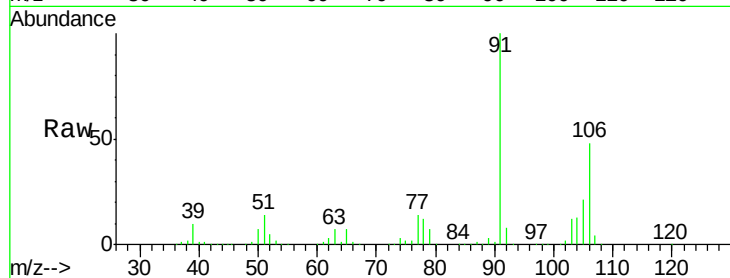
#69
o-Xylene
Concen: 20.87 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX001587.D
Acq: 10 May 2018 06:00

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		114210		
91	208.4	103.1	309.1		

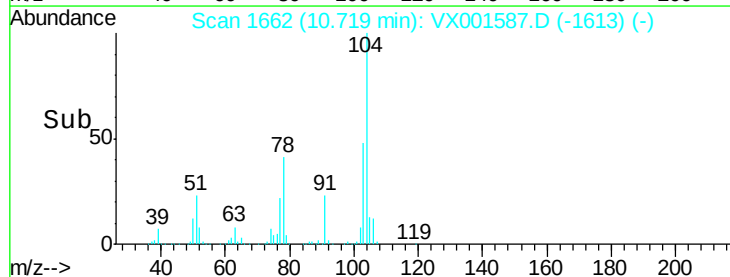
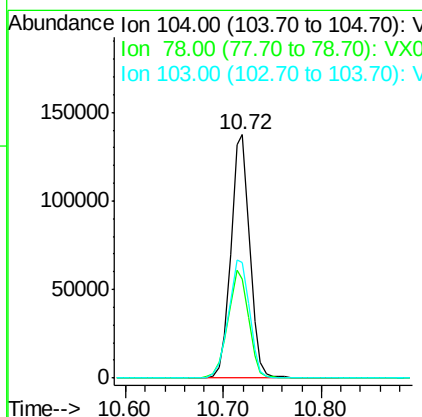
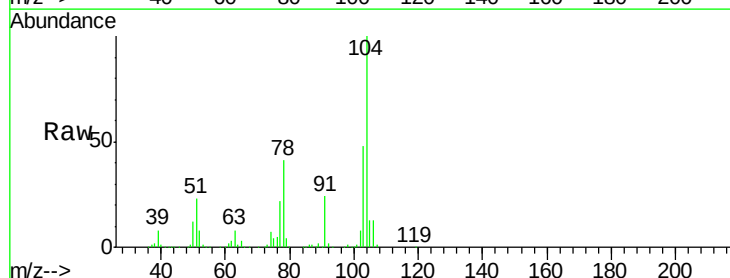
Manual Integrations
APPROVED

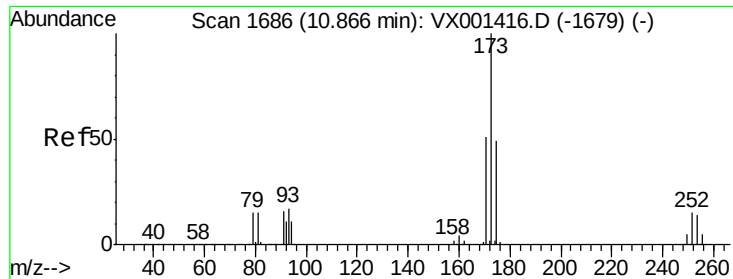
MMDadoda
5/10/2018 1:52:02 PM



#70
Styrene
Concen: 20.70 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001587.D
Acq: 10 May 2018 06:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		184038		
78	48.6	38.6	58.0		
103	54.5	44.0	66.0		





#71

Bromoform

Concen: 17.90 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

Instrument :

MSVOA_X

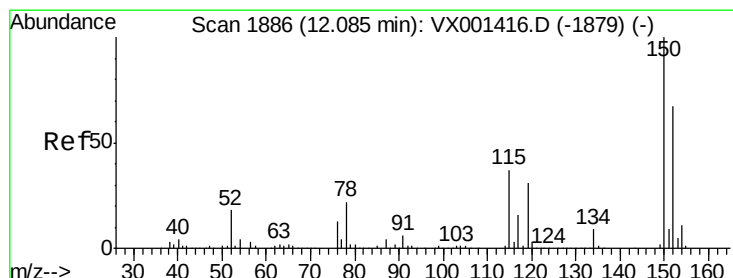
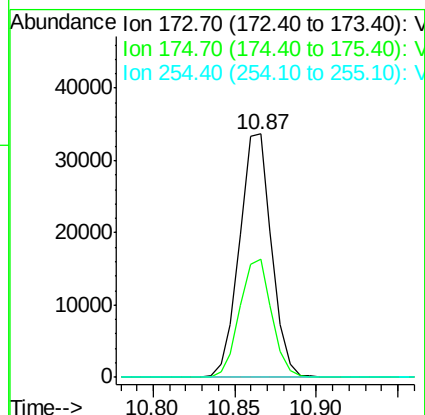
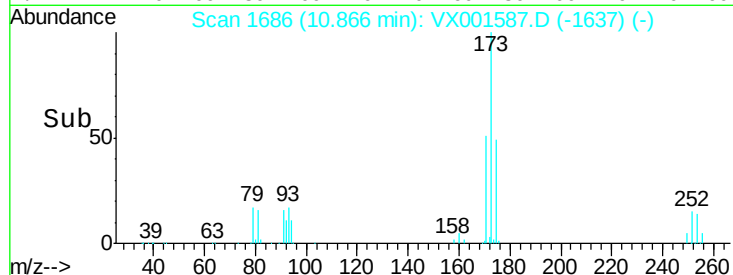
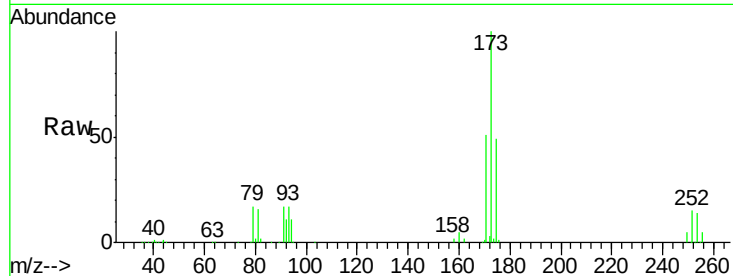
ClientSampleId :

VX0509WBS02

Tot Ion:173 Resp: 46147
 Ion Ratio Lower Upper
 173 100
 175 48.3 24.5 73.5
 254 0.1 0.2 0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

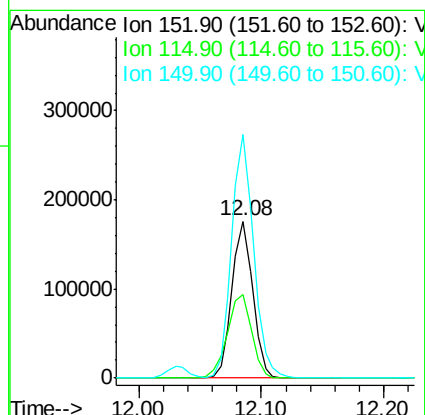
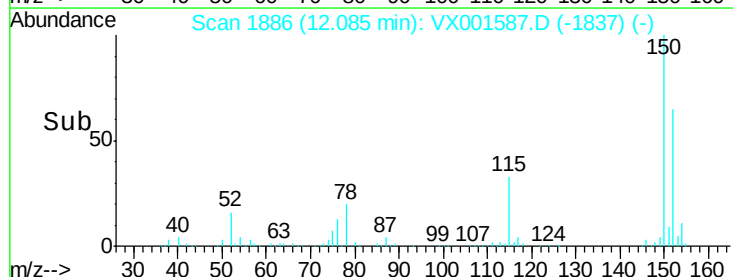
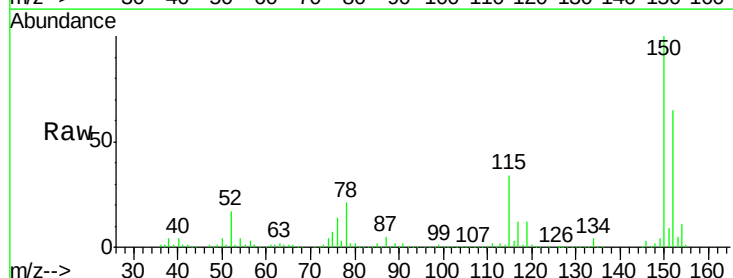
RT: 12.08 min Scan# 1886

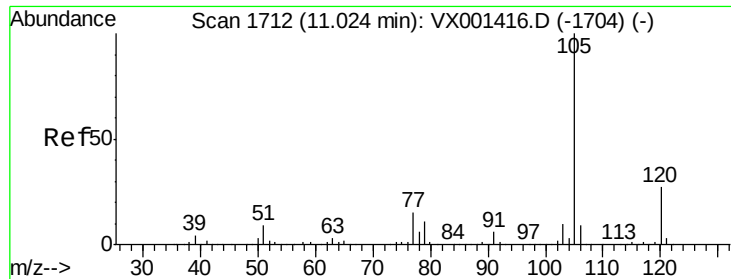
Delta R.T. 0.00 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

Tgt Ion:152 Resp: 205801
 Ion Ratio Lower Upper
 152 100
 115 63.0 37.7 113.1
 150 164.0 0.0 349.4





#73

Isopropylbenzene

Concen: 21.55 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS02

Tot Ion:105 Resp: 307060

Ion Ratio Lower Upper

105 100

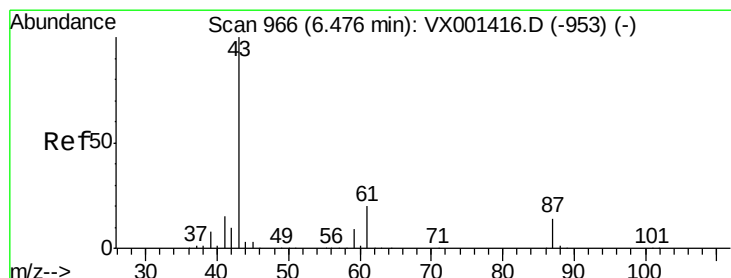
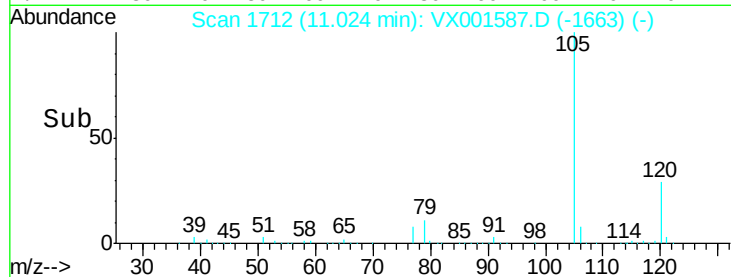
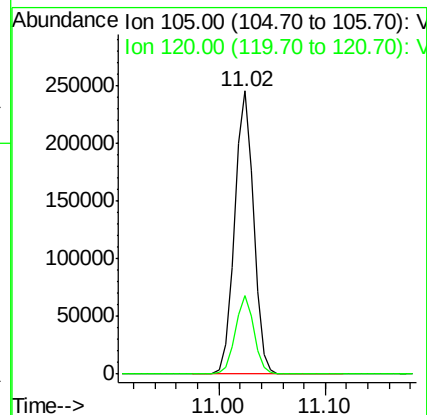
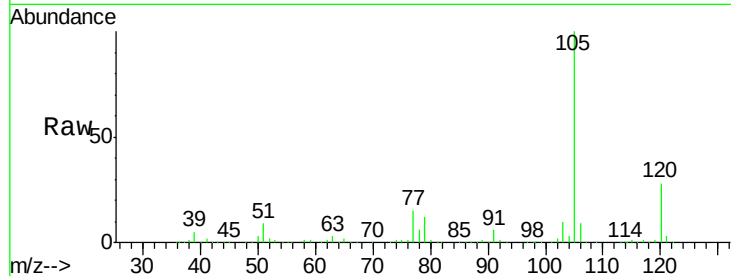
120 27.2 13.6 40.8

Manual Integrations

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MMDadoda

5/10/2018 1:52:02 PM



#74

N-ethyl acetate

Concen: 21.42 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

Tgt Ion: 43 Resp: 138587

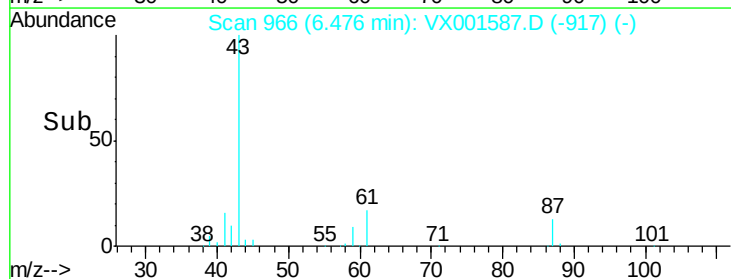
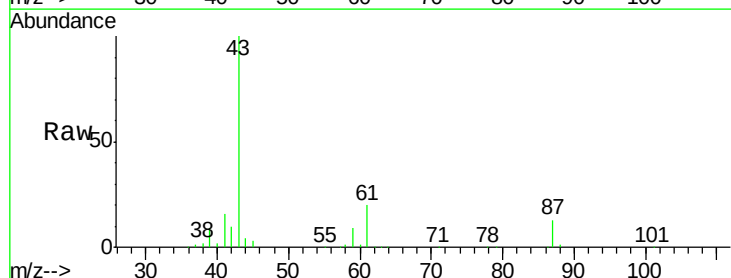
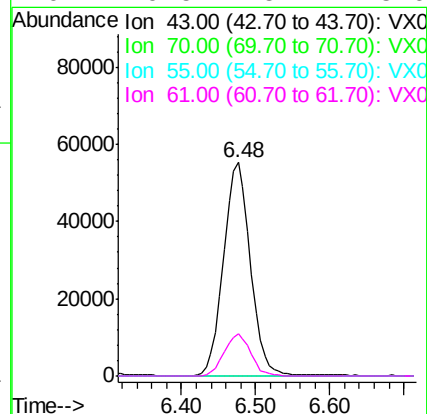
Ion Ratio Lower Upper

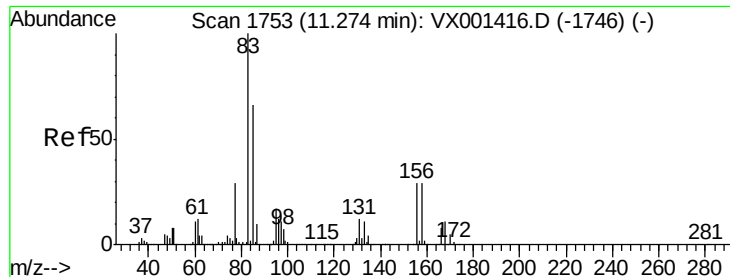
43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 19.5 15.4 23.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.77 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

Instrument :

MSVOA_X

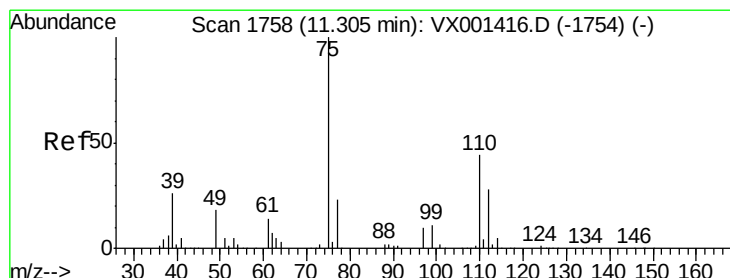
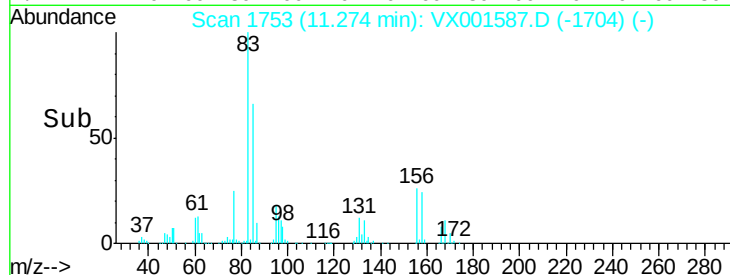
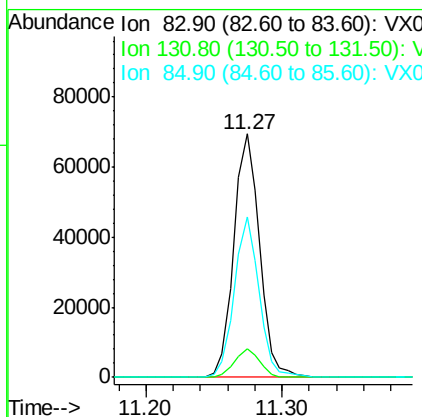
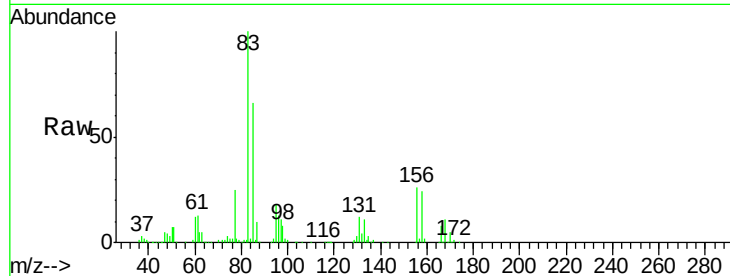
ClientSampleId :

VX0509WBS02

Tot Ion:	83	Resp:	91595
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.8	17.4
85	63.6	32.7	98.1

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



#76

1,2,3-Trichloropropane

Concen: 21.16 ug/l m

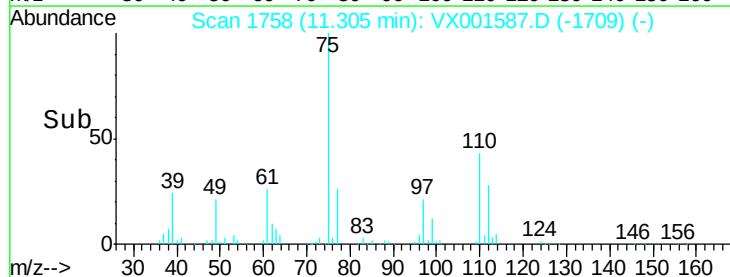
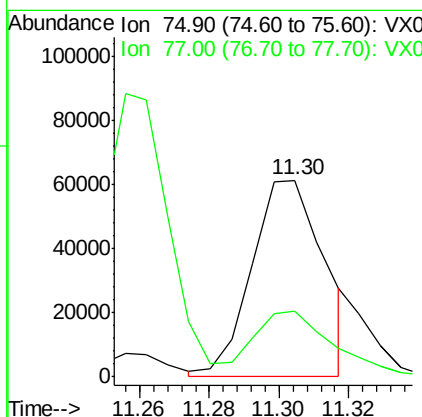
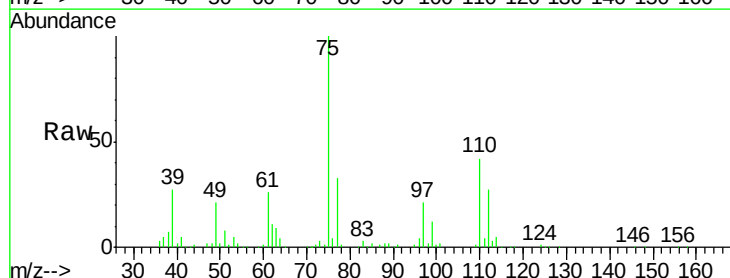
RT: 11.30 min Scan# 1758

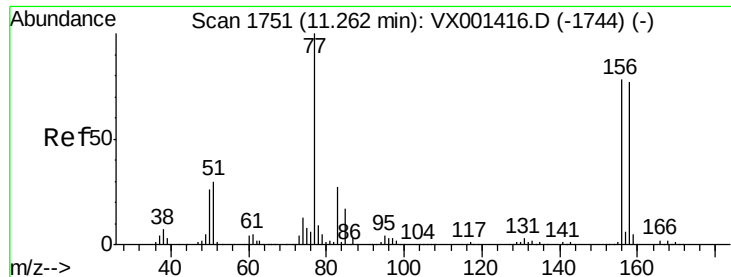
Delta R.T. 0.00 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

Tgt Ion:	75	Resp:	88335
Ion Ratio	Lower	Upper	
75	100		
77	37.3	19.6	58.7





#77

Bromobenzene

Concen: 21.38 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS02

Tot Ion:156 Resp: 88553

Ion Ratio Lower Upper

156 100

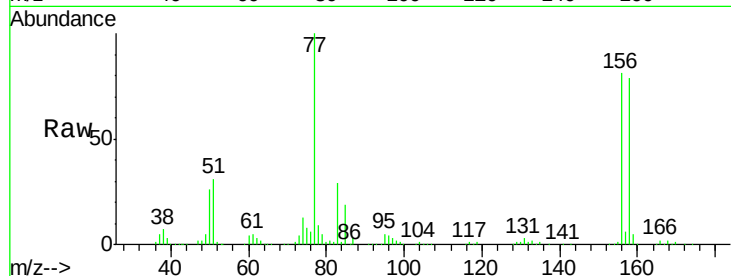
77 131.2 66.0 198.2

158 96.7 49.4 148.2

Manual Integrations
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MMDadoda

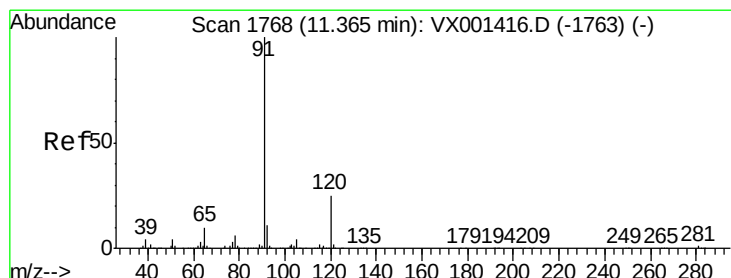
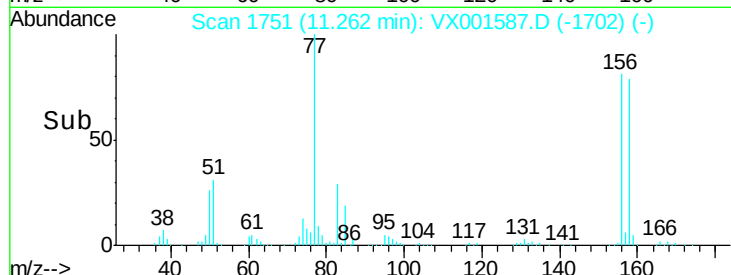
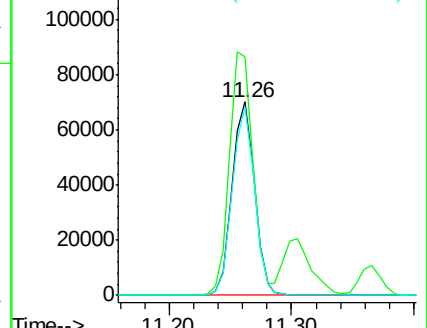
5/10/2018 1:52:02 PM



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: 21.61 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001587.D

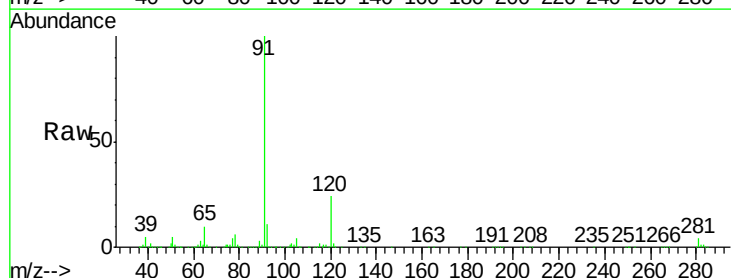
Acq: 10 May 2018 06:00

Tgt Ion: 91 Resp: 335261

Ion Ratio Lower Upper

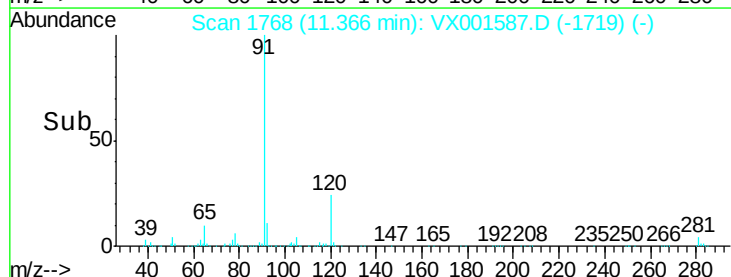
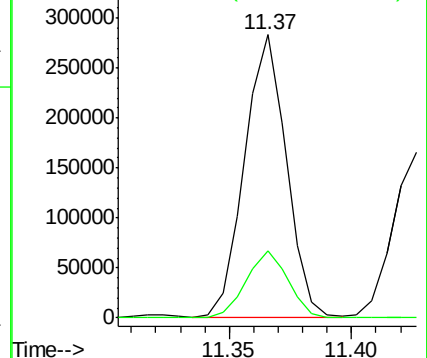
91 100

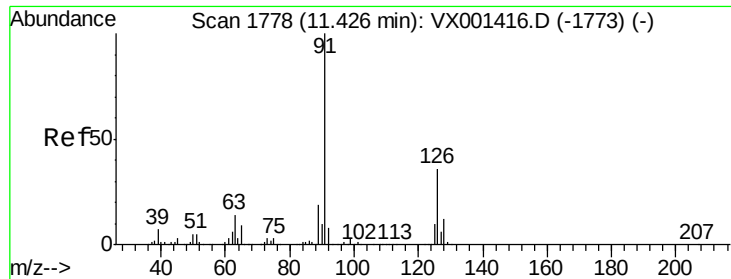
120 24.0 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.54 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS02

Tot Ion: 91 Resp: 205625

Ion Ratio Lower Upper

91 100

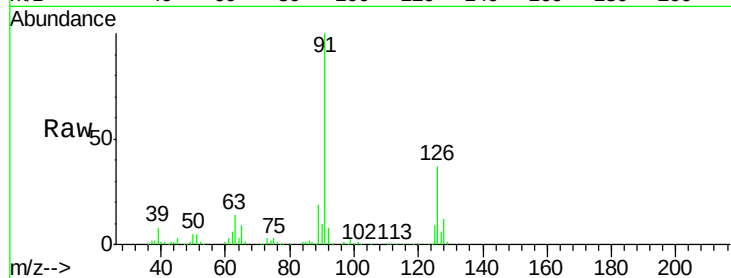
126 36.3 18.1 54.4

Manual Integrations

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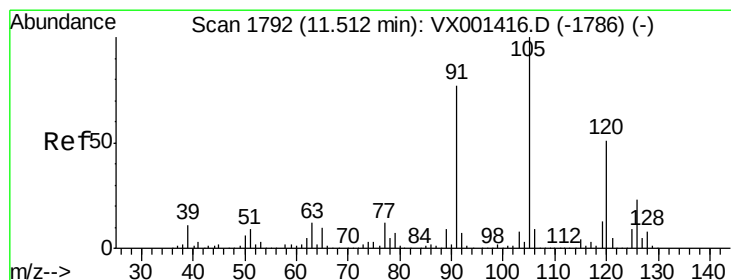
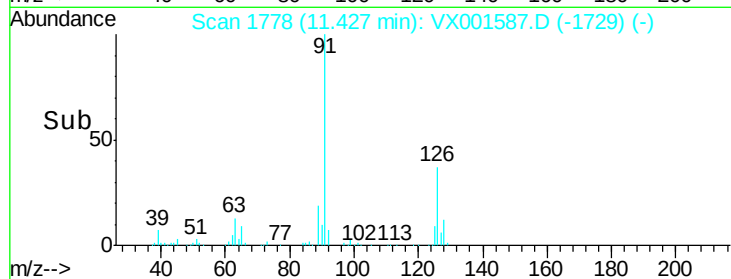
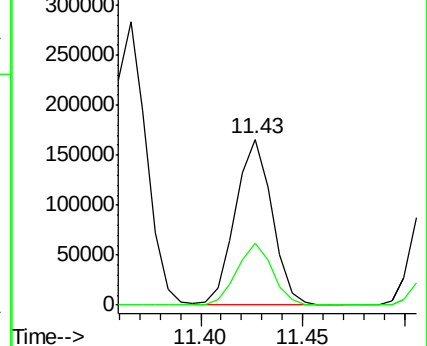
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.48 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001587.D

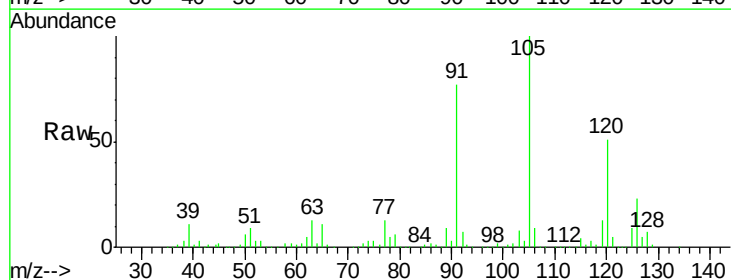
Acq: 10 May 2018 06:00

Tgt Ion: 105 Resp: 254773

Ion Ratio Lower Upper

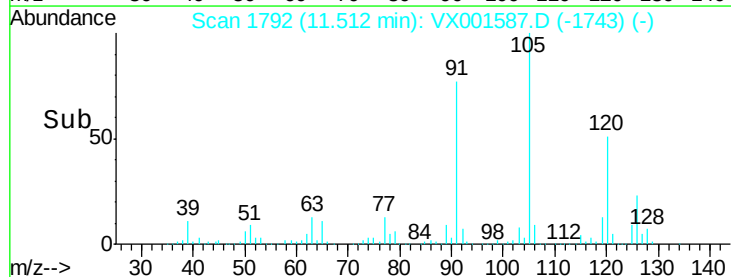
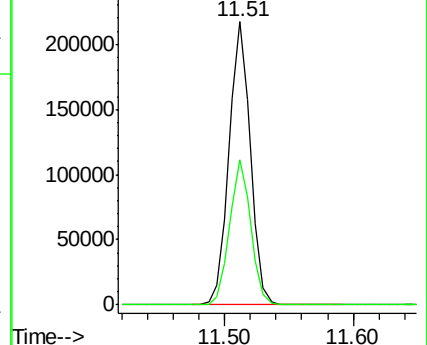
105 100

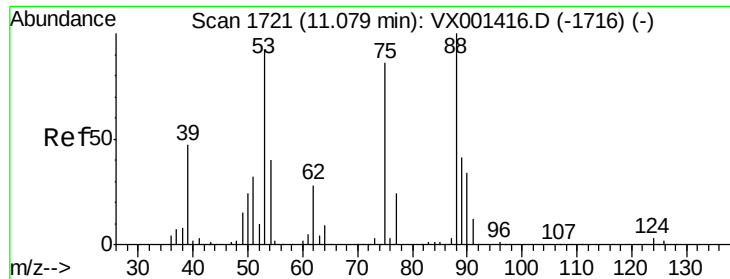
120 50.8 25.7 77.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 16.16 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS02

Tot Ion: 75 Resp: 17006

Ion Ratio Lower Upper

75 100

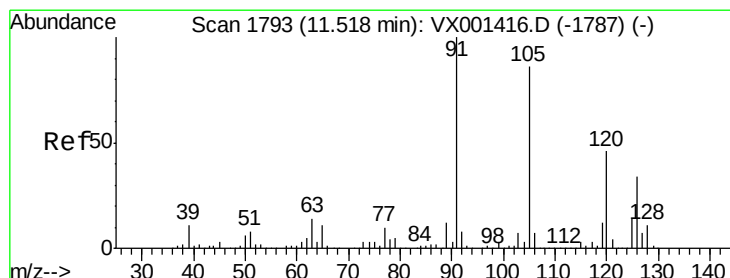
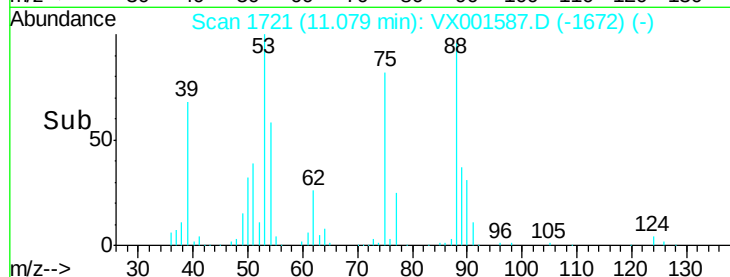
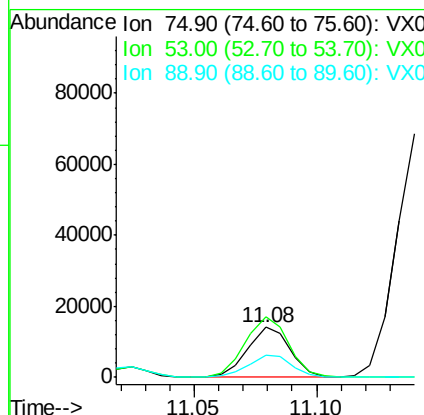
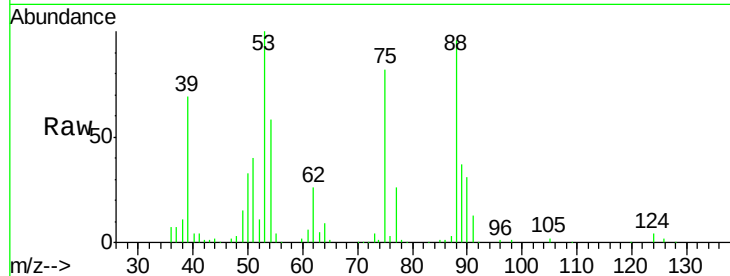
53 122.9 84.5 126.7

89 46.6 39.5 59.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.26 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX001587.D

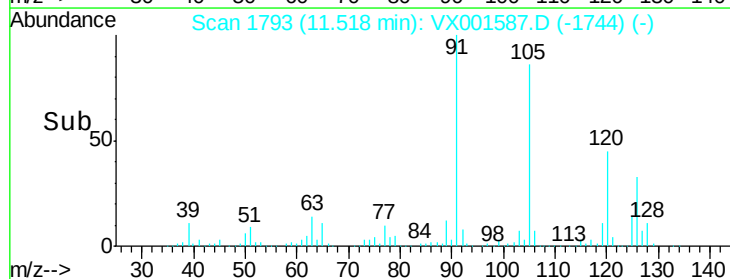
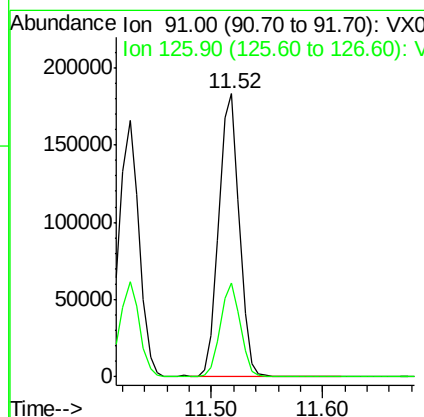
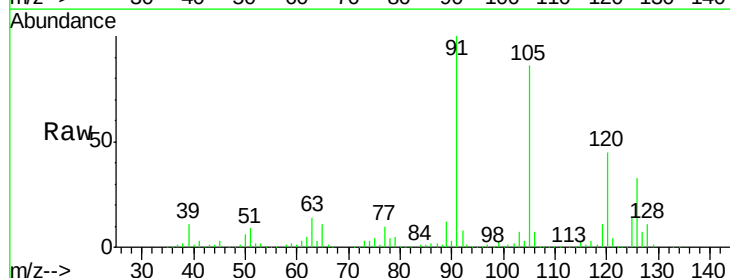
Acq: 10 May 2018 06:00

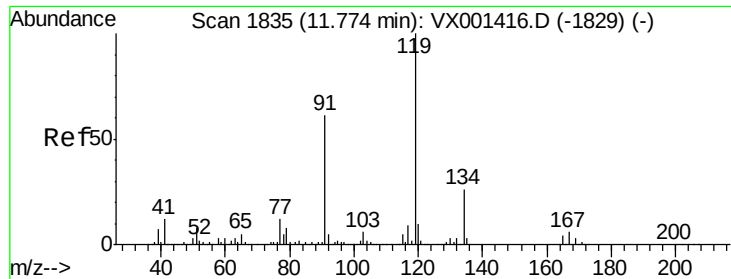
Tgt Ion: 91 Resp: 234124

Ion Ratio Lower Upper

91 100

126 32.2 16.2 48.5





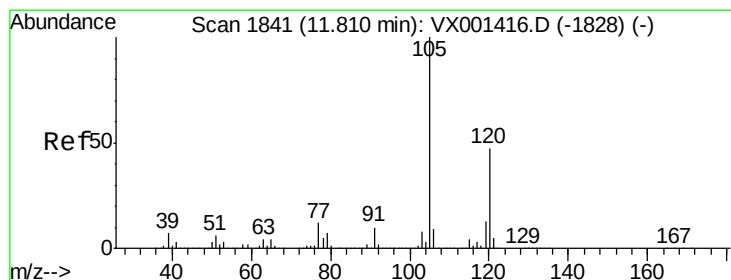
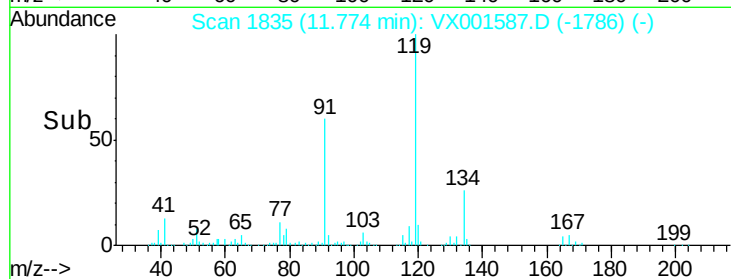
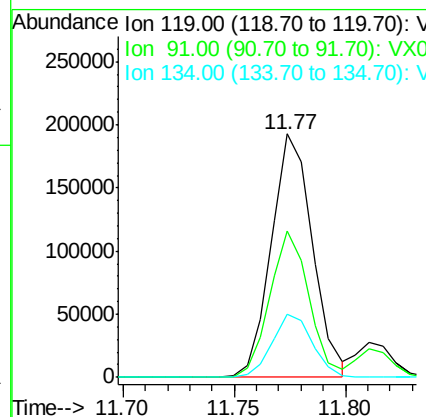
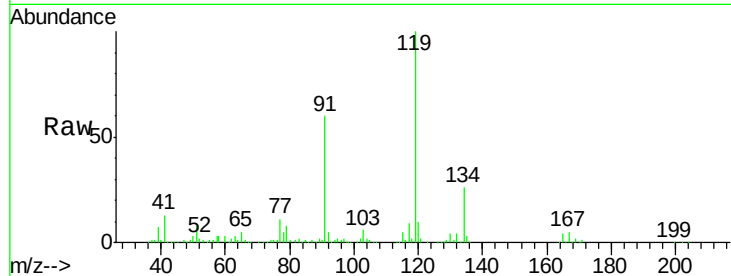
#83
 tert-Butylbenzene
 Concen: 21.05 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX001587.D
 Acq: 10 May 2018 06:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.3	27.8	83.3
134	25.4	12.4	37.0

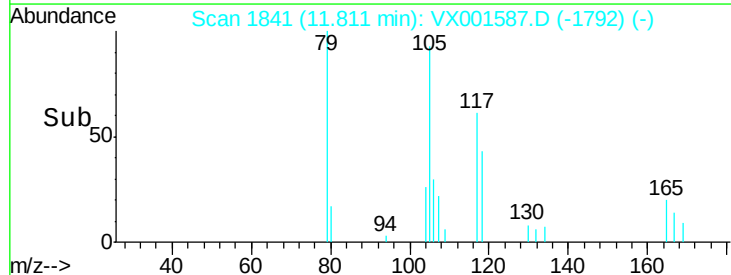
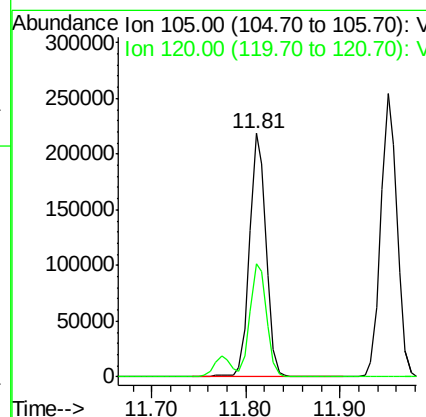
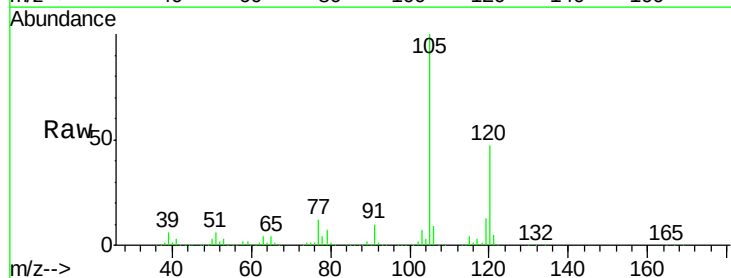
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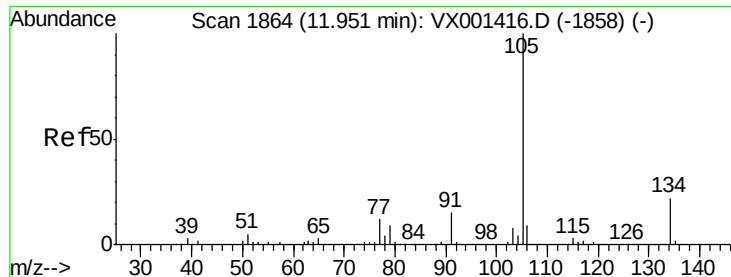
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.62 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001587.D
 Acq: 10 May 2018 06:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.4	70.2





#85

sec-Butylbenzene

Concen: 21.46 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

Instrument :

MSVOA_X

ClientSampled :

VX0509WBS02

Tot Ion:105 Resp: 303999

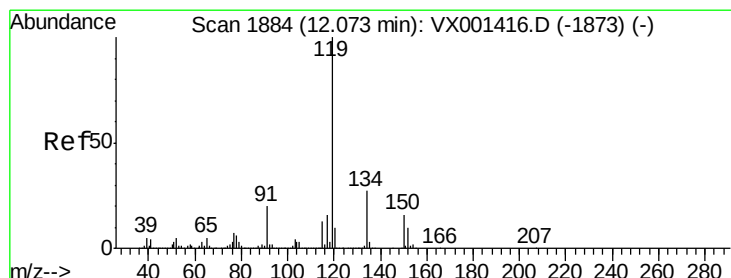
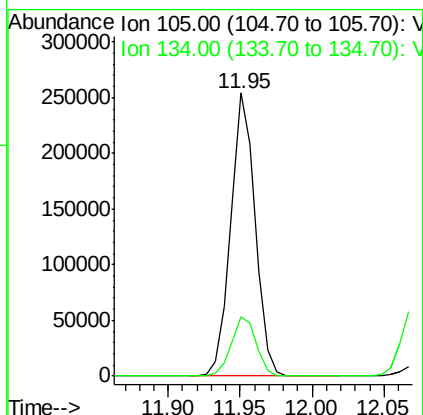
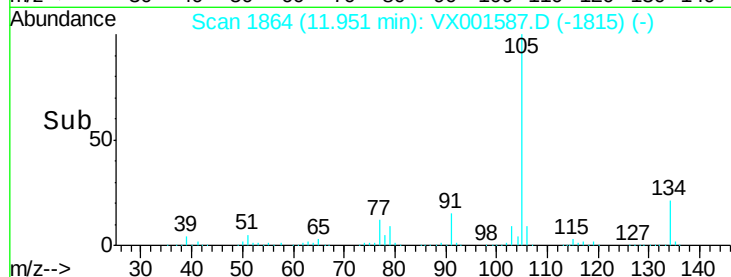
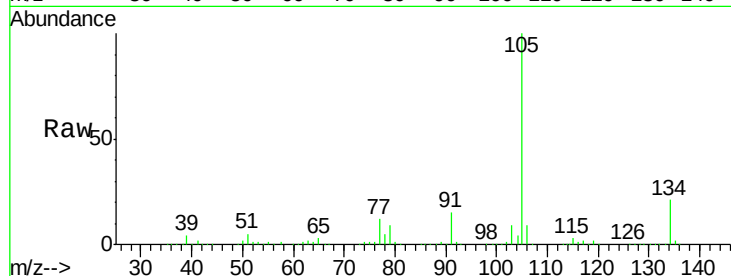
Ion Ratio Lower Upper

105 100

134 21.4 10.9 32.9

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#86

p-Isopropyltoluene

Concen: 21.03 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

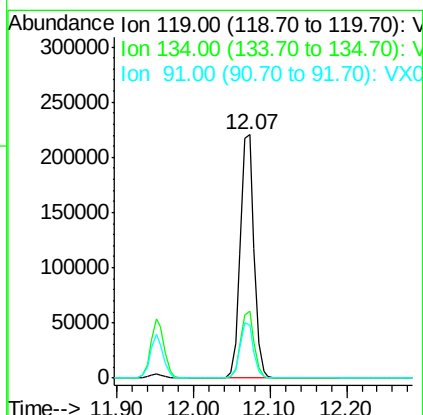
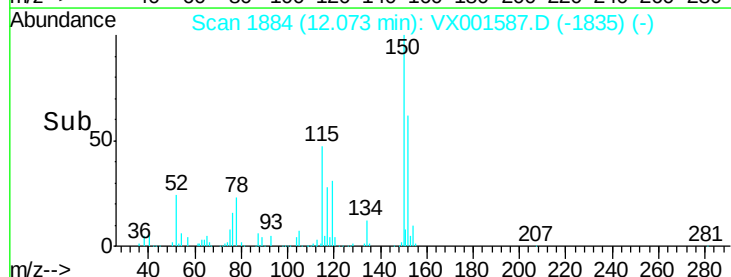
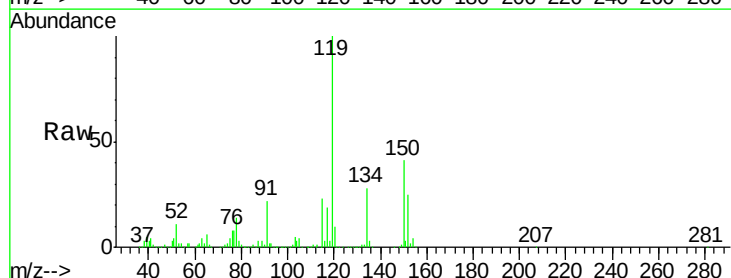
Tgt Ion:119 Resp: 273269

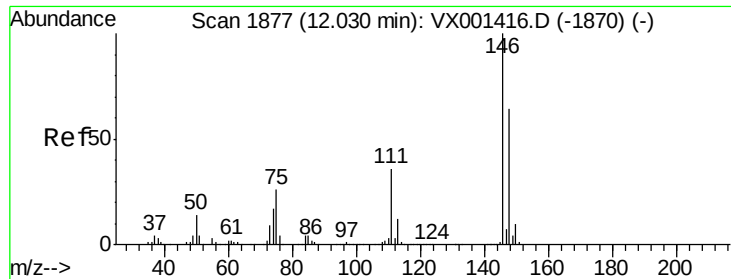
Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.8

91 22.0 10.8 32.3





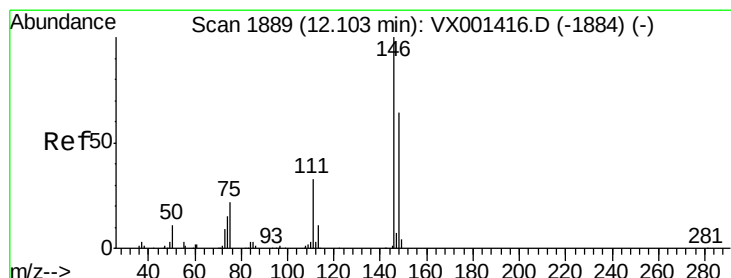
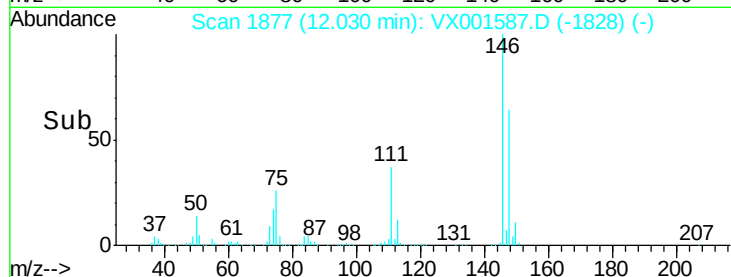
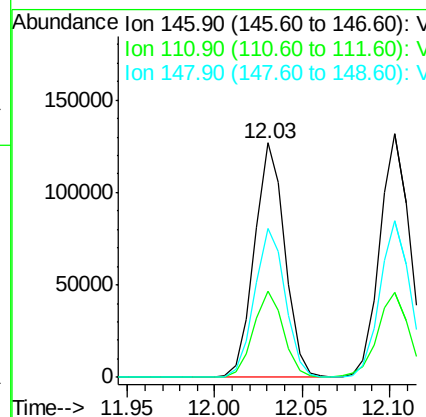
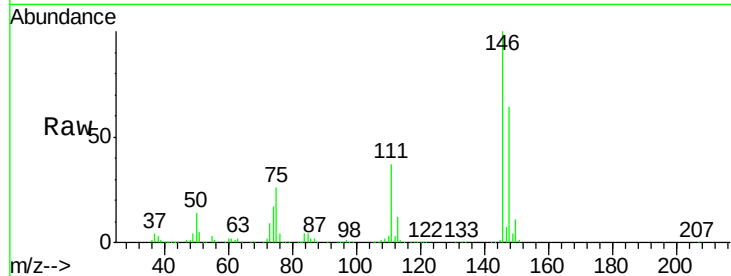
#87
 1,3-Dichlorobenzene
 Concen: 20.71 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001587.D
 Acq: 10 May 2018 06:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.1	54.1
148	63.9	32.1	96.5

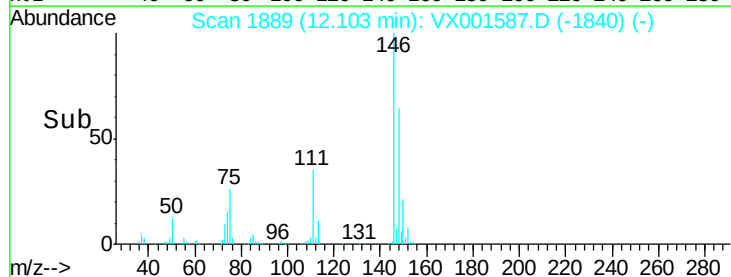
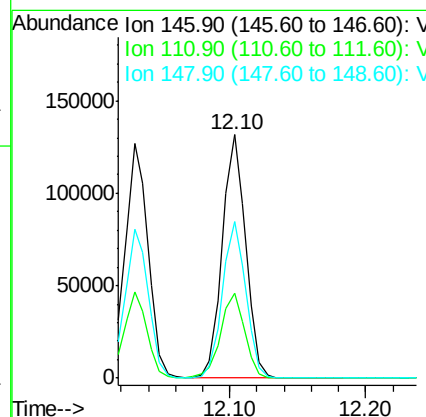
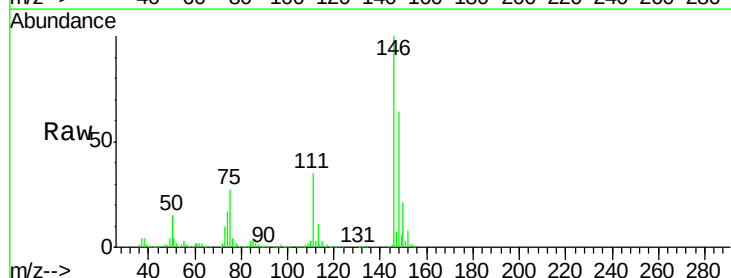
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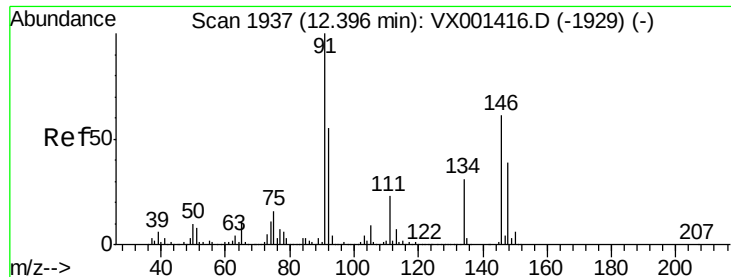
MMDadoda
 5/10/2018 1:52:02 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.69 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001587.D
 Acq: 10 May 2018 06:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	17.4	52.3
148	64.9	32.2	96.6





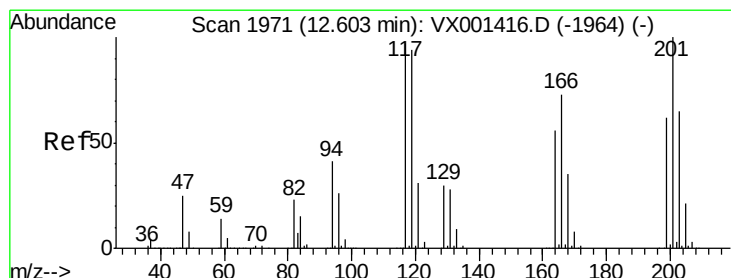
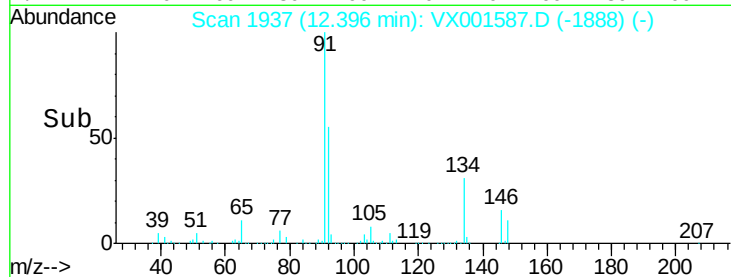
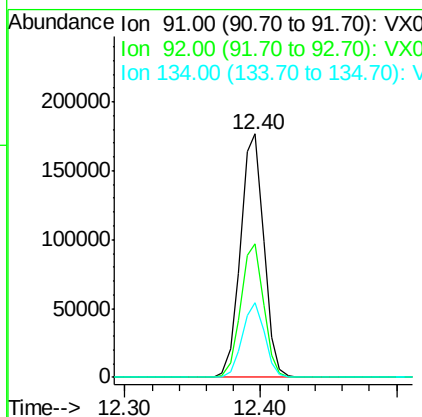
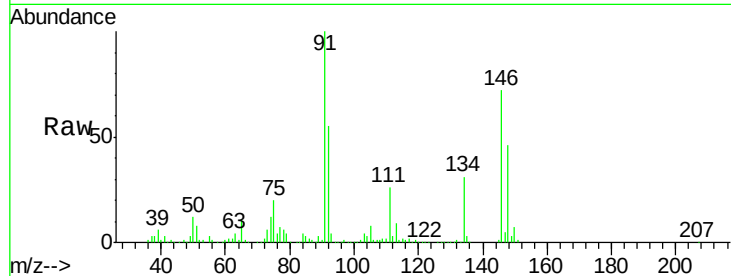
#89
n-Butylbenzene
Concen: 19.60 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001587.D
Acq: 10 May 2018 06:00

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	211015		
92	54.2		27.2	81.5
134	29.4		14.6	44.0

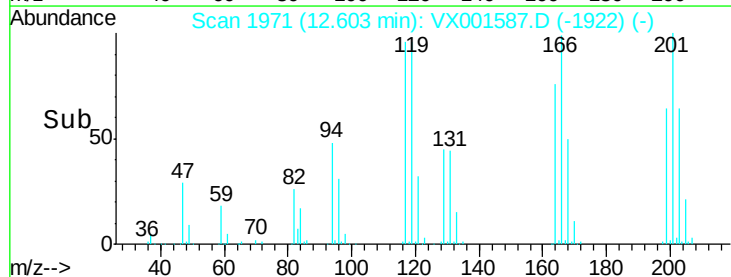
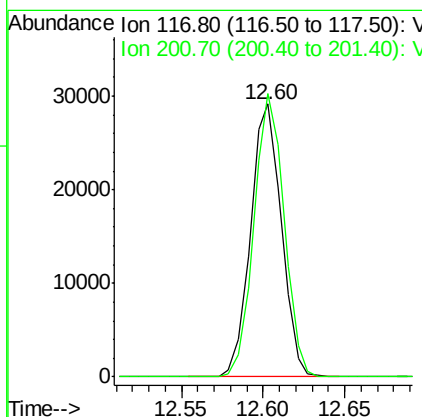
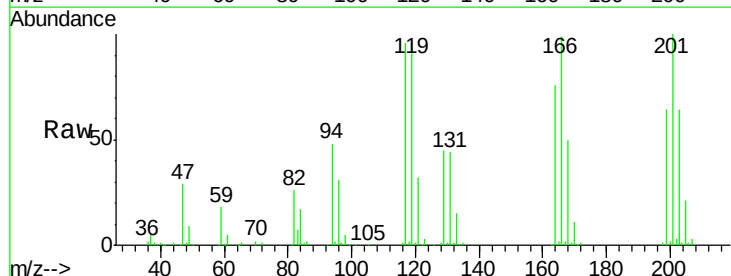
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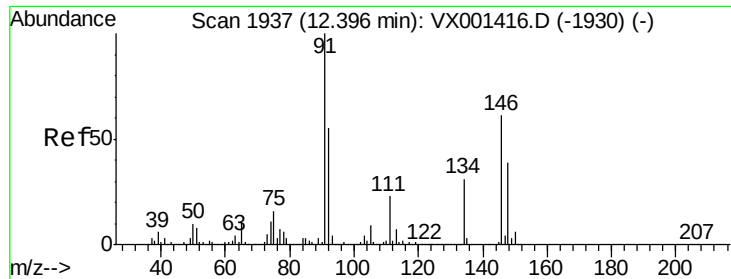
MMDadoda
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#90
Hexachloroethane
Concen: 19.60 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001587.D
Acq: 10 May 2018 06:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	38361		
201	101.3		51.5	154.5





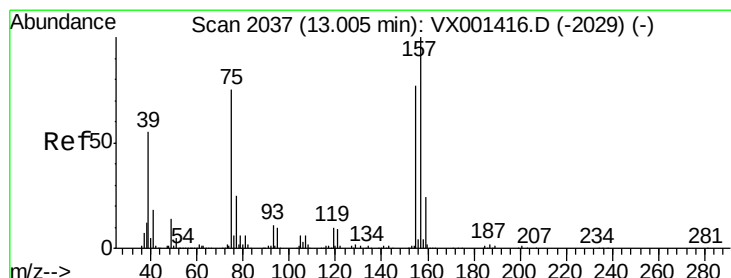
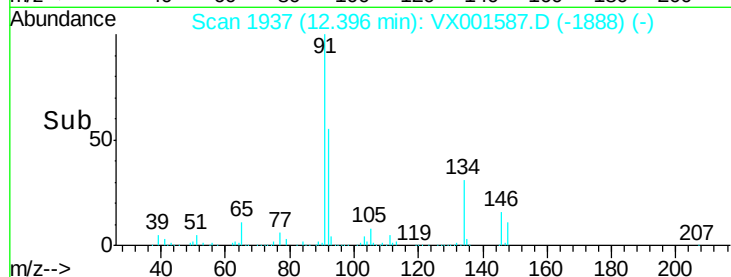
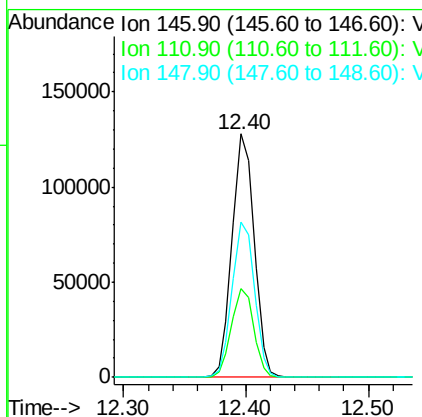
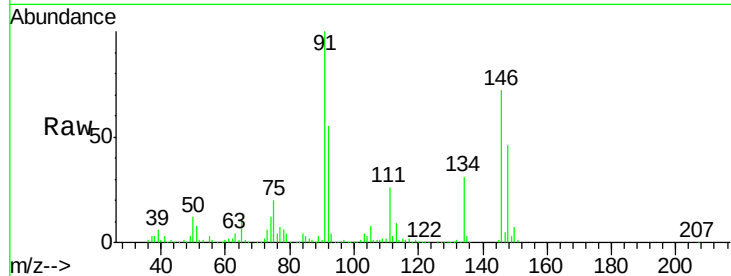
#91
 1,2-Dichlorobenzene
 Concen: 21.21 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001587.D
 Acq: 10 May 2018 06:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.6	55.8
148	64.7	32.1	96.5

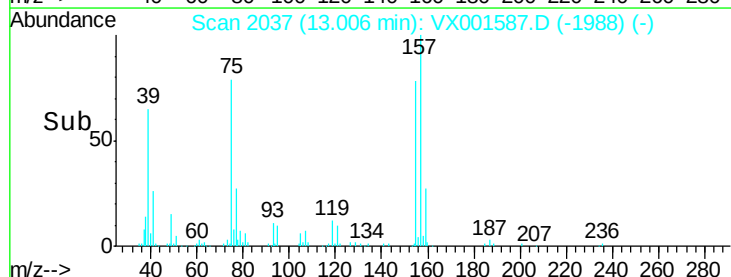
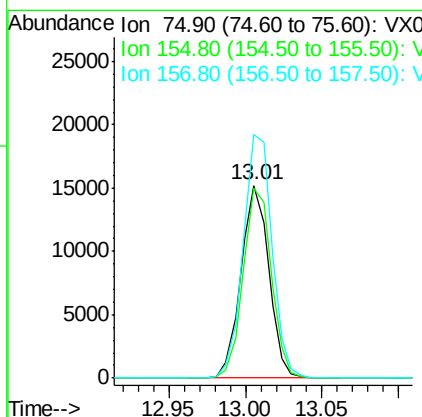
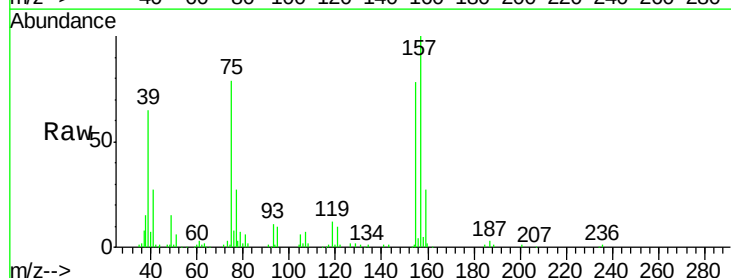
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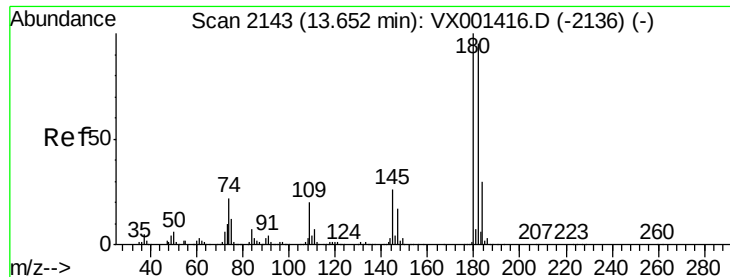
MMDadoda
 5/10/2018 1:52:02 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.76 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001587.D
 Acq: 10 May 2018 06:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.9	53.4	160.2
157	131.0	68.3	204.8





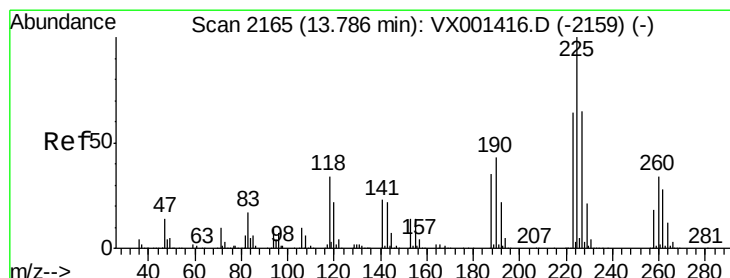
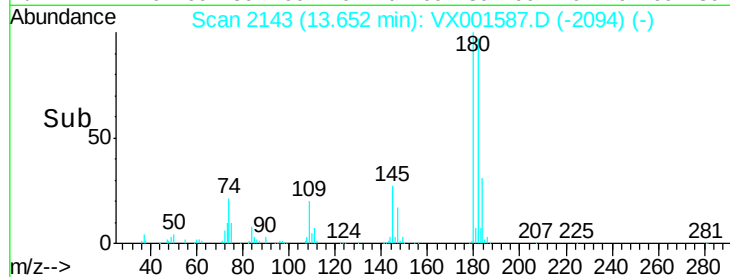
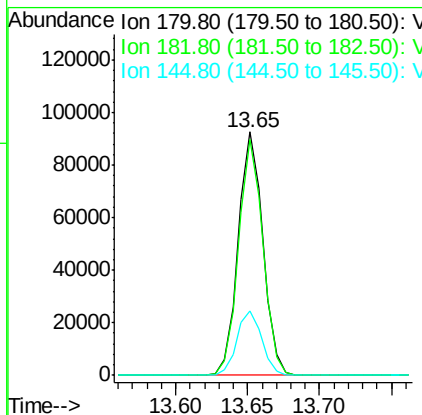
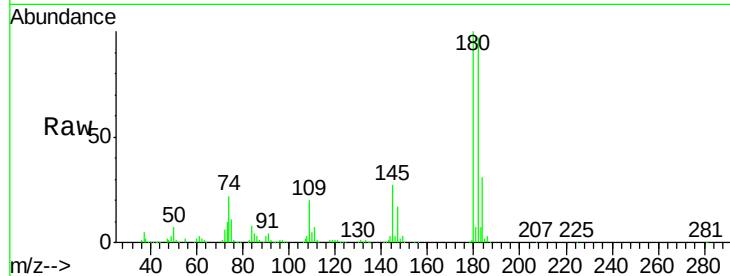
#93
 1,2,4-Trichlorobenzene
 Concen: 20.01 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001587.D
 Acq: 10 May 2018 06:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS02

Tot Ion:	180	Resp:	110330
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.8	143.4
145	26.8	13.3	39.9

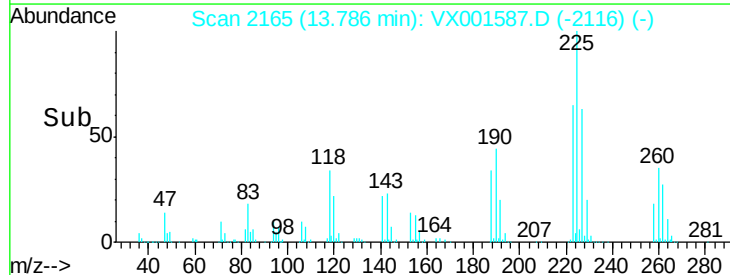
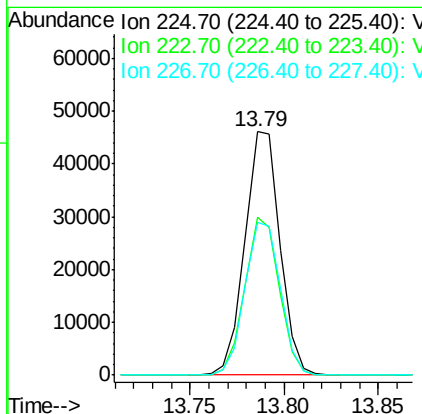
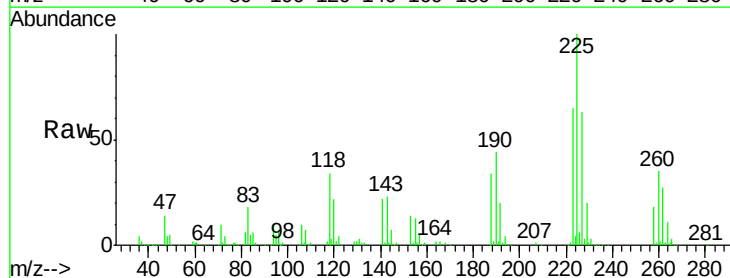
Manual Integrations
 APPROVED

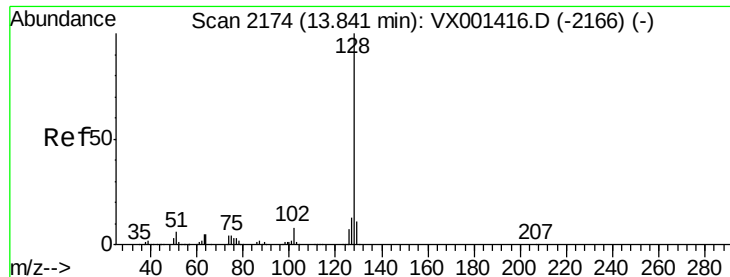
MMDadoda
 5/10/2018 1:52:02 PM



#94
 Hexachlorobutadiene
 Concen: 19.74 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001587.D
 Acq: 10 May 2018 06:00

Tgt Ion:	225	Resp:	59534
Ion Ratio	Lower	Upper	
225	100		
223	63.7	31.3	93.9
227	63.6	32.4	97.2





#95

Naphthalene

Concen: 21.70 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

Instrument :

MSVOA_X

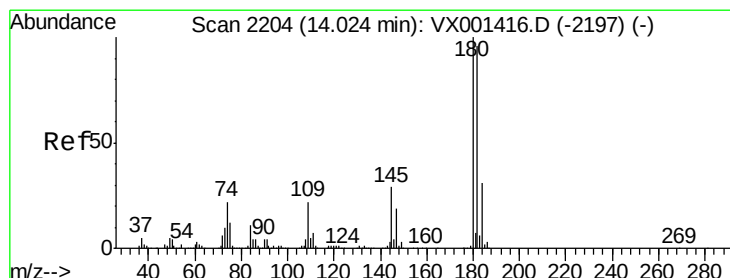
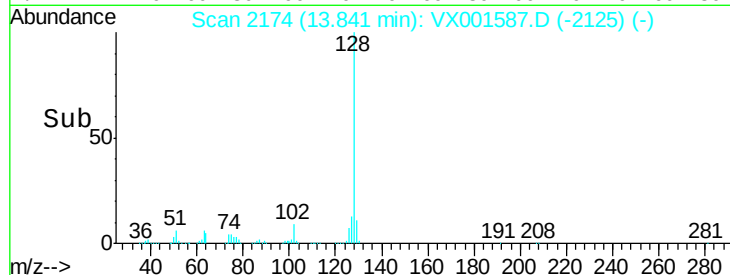
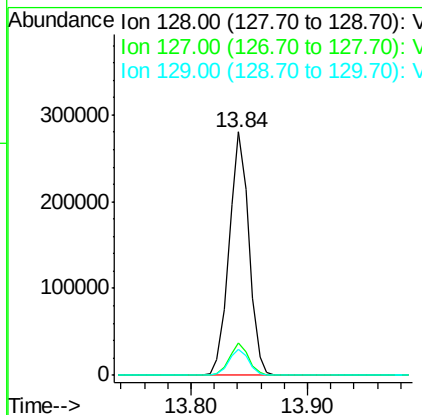
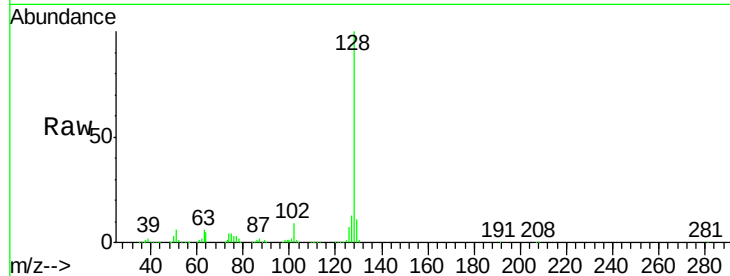
ClientSampleId :

VX0509WBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	330848		
127	12.9		10.4	15.6
129	10.7		8.7	13.1

Manual Integrations
APPROVED

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



#96

1,2,3-Trichlorobenzene

Concen: 21.05 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. 0.01 min

Lab File: VX001587.D

Acq: 10 May 2018 06:00

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	119086		
182	95.1		48.0	144.2
145	28.8		14.1	42.4

