

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052218\
 Data File : VX001916.D
 Acq On : 23 May 2018 01:52
 Operator : JC/MD
 Sample : VX0522WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/24/2018 11:47:48 AM

Quant Time: May 23 03:28:46 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	247782	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	328325	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	277785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	186191	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	173699	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
35) Dibromofluoromethane	5.51	113	148326	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	
50) Toluene-d8	8.72	98	542431	54.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.32%	
62) 4-Bromofluorobenzene	11.14	95	176674	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	44240	17.79	ug/l	98
3) Chloromethane	1.32	50	53167	19.79	ug/l	98
4) Vinyl Chloride	1.40	62	55936	19.26	ug/l	99
5) Bromomethane	1.64	94	33549	25.92	ug/l	98
6) Chloroethane	1.73	64	37905	20.72	ug/l	97
7) Trichlorofluoromethane	1.93	101	85085	20.16	ug/l	99
8) Diethyl Ether	2.19	74	35938	20.69	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	49270	19.40	ug/l	98
10) Methyl Iodide	2.51	142	50890	21.77	ug/l	99
11) Tert butyl alcohol	3.08	59	82038	139.13	ug/l	99
12) 1,1-Dichloroethene	2.37	96	47449	19.37	ug/l	93
13) Acrolein	2.30	56	19043	45.54	ug/l	97
14) Allyl chloride	2.73	41	94147	20.80	ug/l	97
15) Acrylonitrile	3.15	53	174260	117.66	ug/l	99
16) Acetone	2.45	43	160607	123.12	ug/l	98
17) Carbon Disulfide	2.57	76	99413	15.56	ug/l	99
18) Methyl Acetate	2.78	43	102295	26.82	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	177320	21.48	ug/l	99
20) Methylene Chloride	2.86	84	57130	20.46	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	51920	19.24	ug/l	98
22) Diisopropyl ether	3.88	45	196561	22.63	ug/l	97
23) Vinyl Acetate	3.83	43	639313	102.18	ug/l	99
24) 1,1-Dichloroethane	3.70	63	103150	21.66	ug/l	99
25) 2-Butanone	4.71	43	260929	130.65	ug/l	98
26) 2,2-Dichloropropane	4.59	77	53908	14.06	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	63957	20.83	ug/l	97
28) Bromochloromethane	5.03	49	53466	25.27	ug/l	97
29) Tetrahydrofuran	5.18	42	167113	128.37	ug/l	97
30) Chloroform	5.22	83	112473	22.48	ug/l	99
31) Cyclohexane	5.58	56	82214	19.69	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	93697	21.67	ug/l	99
36) 1,1-Dichloropropene	5.81	75	74155	19.62	ug/l	98
37) Ethyl Acetate	4.87	43	93975	23.86	ug/l	100
38) Carbon Tetrachloride	5.79	117	82000	20.71	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	79625	18.03	ug/l	96
40) Benzene	6.15	78	239646	21.52	ug/l	100
41) Methacrylonitrile	5.07	41	53192	23.35	ug/l	99
42) 1,2-Dichloroethane	6.21	62	89074	22.12	ug/l	99
43) Isopropyl Acetate	6.48	43	140089	22.72	ug/l	99
44) Trichloroethene	7.22	130	72437	20.96	ug/l	96
45) 1,2-Dichloropropane	7.52	63	62100	22.73	ug/l	99
46) Dibromomethane	7.67	93	41211	21.48	ug/l	98
47) Bromodichloromethane	7.91	83	78230	21.97	ug/l	98
48) Methyl methacrylate	7.79	41	75431	23.25	ug/l	98
49) 1,4-Dioxane	7.76	88	33538	536.80	ug/l	95
51) 4-Methyl-2-Pentanone	8.66	43	503054	128.76	ug/l	98
52) Toluene	8.79	92	154604	21.61	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	85652	20.45	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	75077	20.33	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	59583	21.78	ug/l	99
56) Ethyl methacrylate	9.19	69	81267	20.95	ug/l	99
57) 1,3-Dichloropropane	9.38	76	96682	21.11	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	237173	118.87	ug/l	100
59) 2-Hexanone	9.51	43	339341	121.34	ug/l	99
60) Dibromochloromethane	9.59	129	59606	21.28	ug/l	99
61) 1,2-Dibromoethane	9.68	107	60462	21.12	ug/l	99
64) Tetrachloroethene	9.34	164	78284	21.65	ug/l	99
65) Chlorobenzene	10.14	112	160207	20.97	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	59161	21.92	ug/l	100
67) Ethyl Benzene	10.26	91	251517	20.60	ug/l	100
68) m/p-Xylenes	10.37	106	203750	42.29	ug/l	99
69) o-Xylene	10.70	106	97442	21.12	ug/l	98
70) Styrene	10.72	104	165547	21.75	ug/l	100
71) Bromoform	10.86	173	47273	20.65	ug/l #	98
73) Isopropylbenzene	11.02	105	268005	21.86	ug/l	100
74) N-amyl acetate	6.48	43	140089	23.83	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	85172	23.16	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	81412m	22.99	ug/l	
77) Bromobenzene	11.26	156	78282	21.73	ug/l	99
78) n-propylbenzene	11.37	91	293630	21.26	ug/l	100
79) 2-Chlorotoluene	11.43	91	179595	21.74	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	221005	21.97	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	18721	18.02	ug/l	89
82) 4-Chlorotoluene	11.52	91	207750	21.34	ug/l	100
83) tert-Butylbenzene	11.77	119	213536	21.33	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	230380	22.12	ug/l	99
85) sec-Butylbenzene	11.95	105	267524	21.65	ug/l	100
86) p-Isopropyltoluene	12.07	119	245310	21.45	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	140250	21.05	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	141906	20.60	ug/l	99
89) n-Butylbenzene	12.40	91	196557	19.88	ug/l	99
90) Hexachloroethane	12.60	117	38713	21.80	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	141647	21.34	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	18966	24.16	ug/l	98

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ClientSampleId :
VX0522WBS02

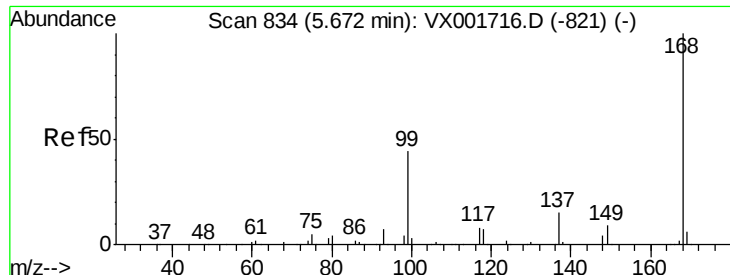
Manual Integrations
APPROVED

MMDadoda
5/24/2018 11:47:48 AM

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	106771	20.18	ug/l	100
94) Hexachlorobutadiene	13.79	225	57476	20.23	ug/l	99
95) Naphthalene	13.84	128	298588	21.71	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	111846	20.99	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBS02

Tot Ion:168 Resp: 247782

Ion Ratio Lower Upper

168 100

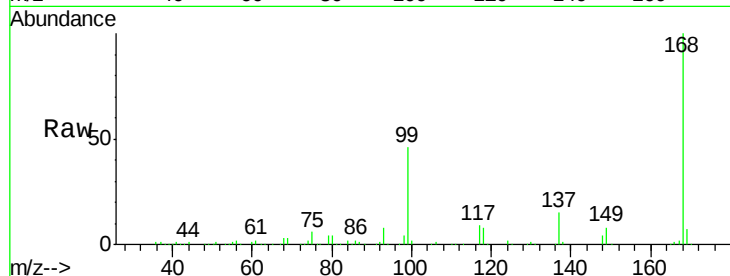
99 45.8 35.0 52.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

100000

80000

60000

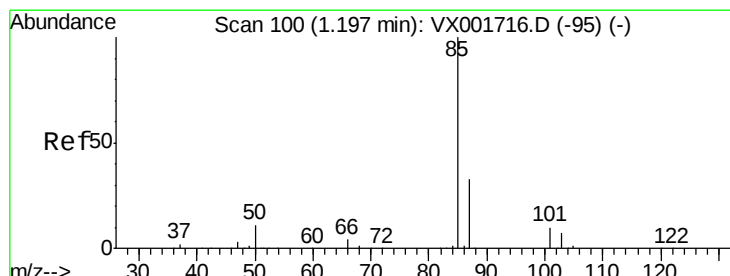
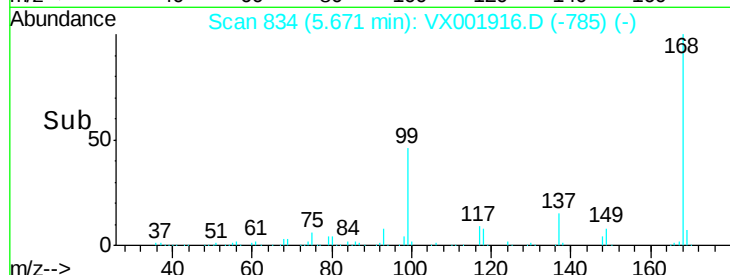
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.79 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX001916.D

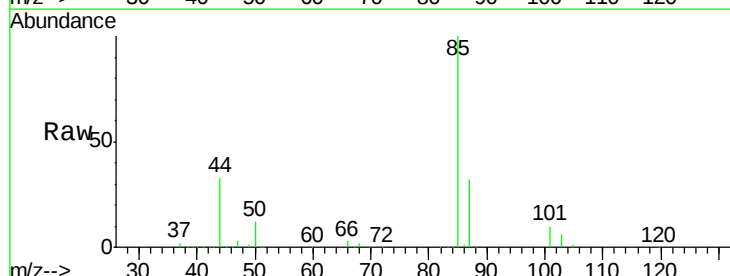
Acq: 23 May 2018 01:52

Tgt Ion: 85 Resp: 44240

Ion Ratio Lower Upper

85 100

87 31.6 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

50000

40000

30000

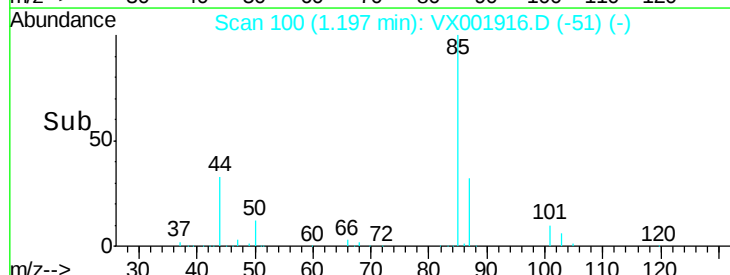
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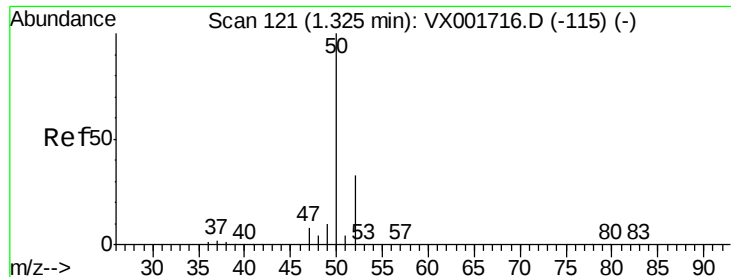
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 19.79 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBS02

Tot Ion: 50 Resp: 53167

Ion Ratio Lower Upper

50 100

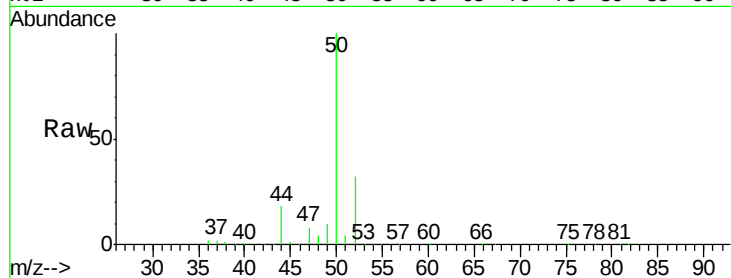
52 31.8 26.3 39.5

Manual Integrations

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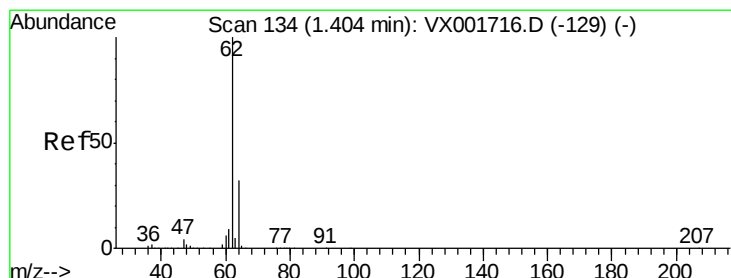
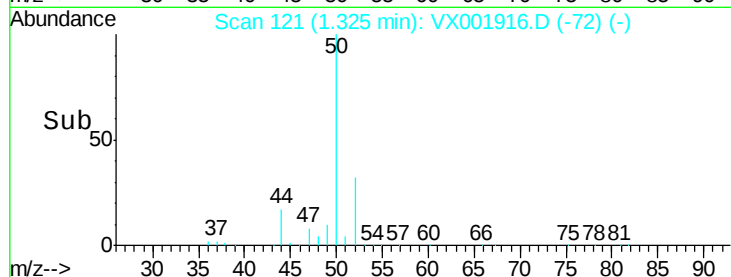
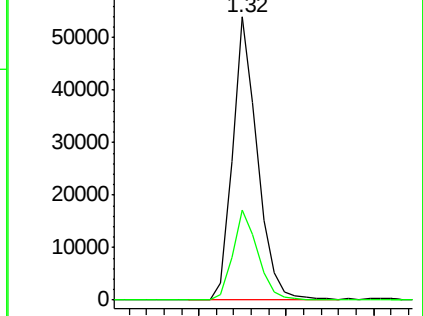
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.26 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001916.D

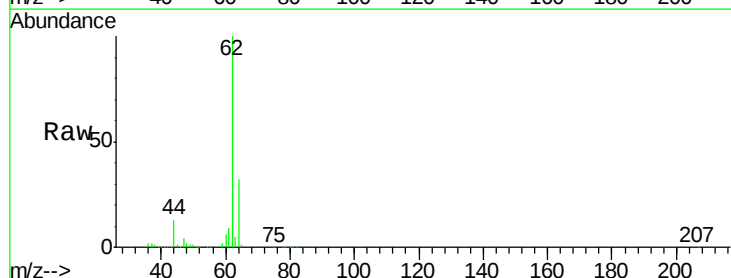
Acq: 23 May 2018 01:52

Tgt Ion: 62 Resp: 55936

Ion Ratio Lower Upper

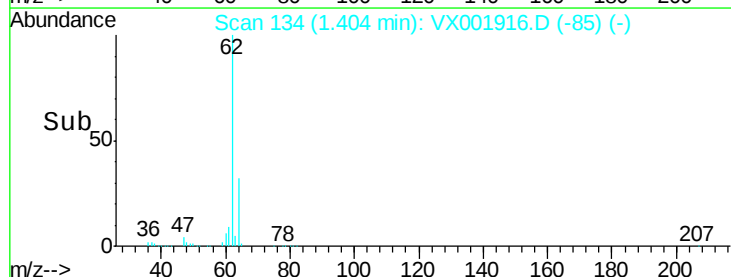
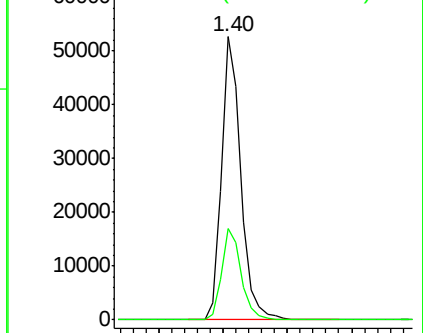
62 100

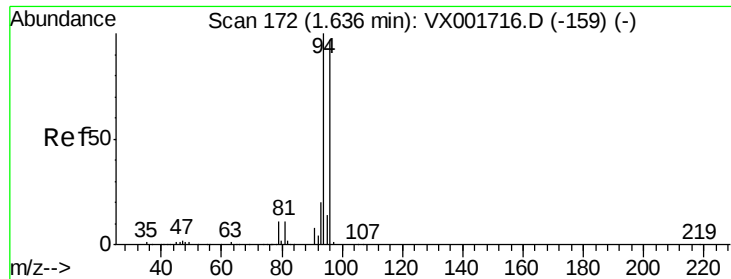
64 32.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 25.92 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBS02

Tot Ion: 94 Resp: 33549

Ion Ratio Lower Upper

94 100

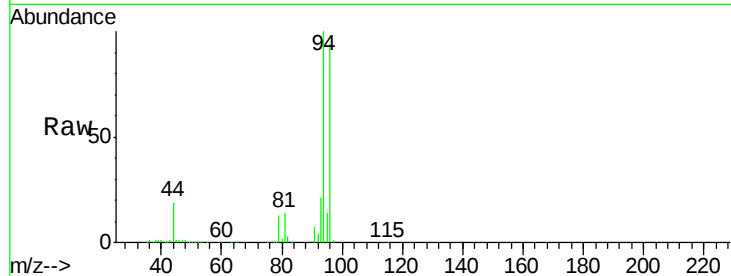
96 94.3 77.4 116.0

Manual Integrations

APPROVED

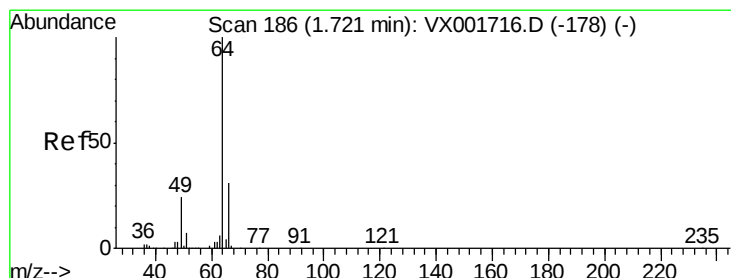
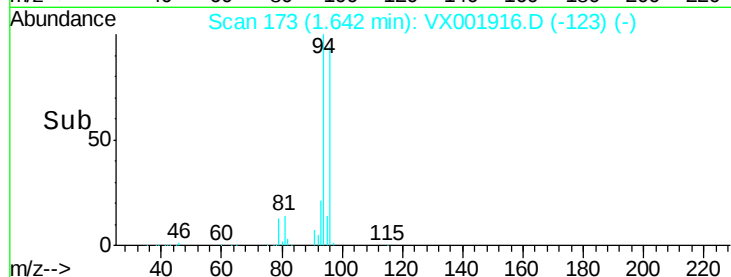
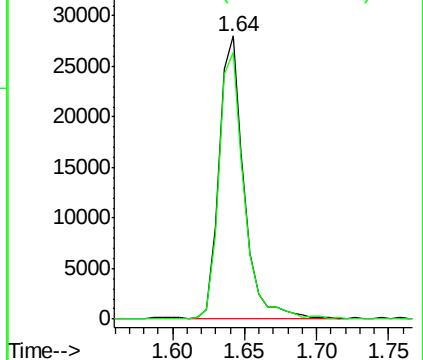
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5/24/2018 11:47:48 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.72 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX001916.D

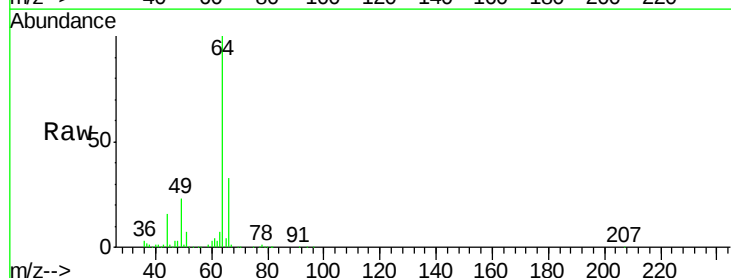
Acq: 23 May 2018 01:52

Tgt Ion: 64 Resp: 37905

Ion Ratio Lower Upper

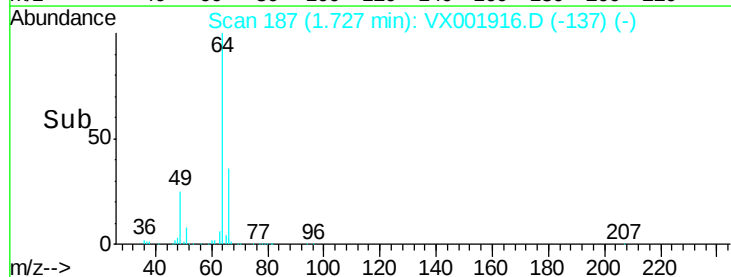
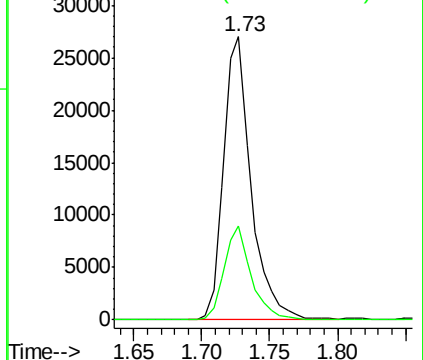
64 100

66 33.2 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

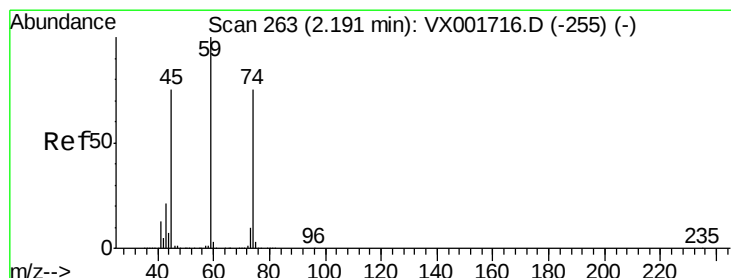
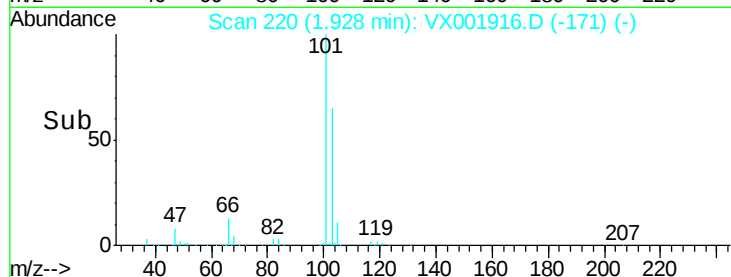
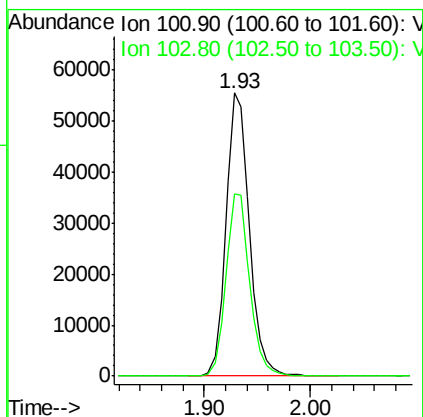
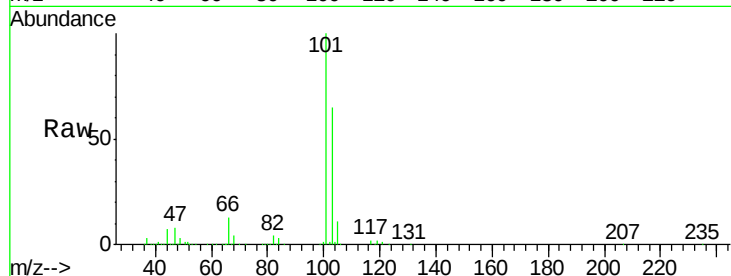
Trichlorofluoromethane
 Concen: 20.16 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VX001916.D
 Acq: 23 May 2018 01:52

Instrument :
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 ClientSampleId :
 VX0522WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.6	78.8

Manual Integrations
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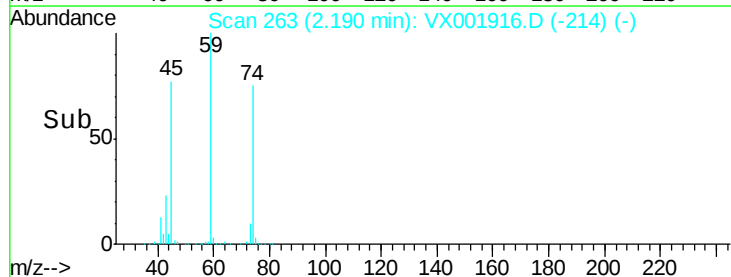
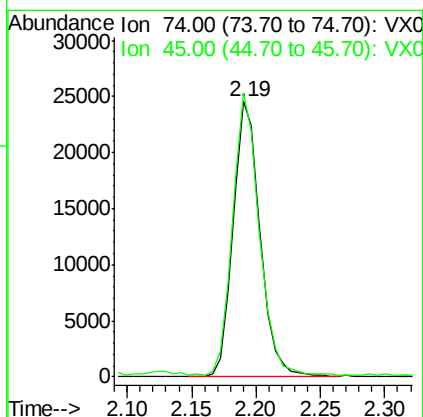
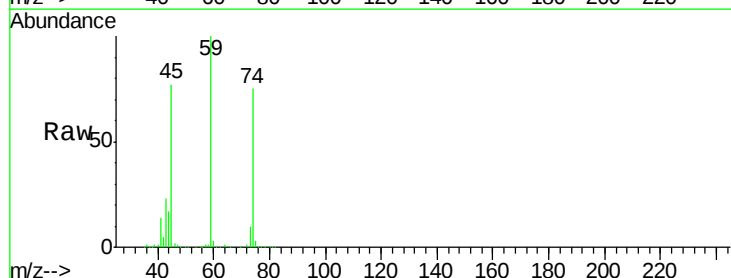
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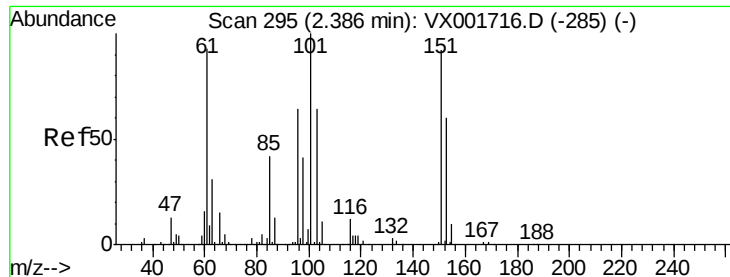


#8

Diethyl Ether
 Concen: 20.69 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX001916.D
 Acq: 23 May 2018 01:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.3	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.40 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

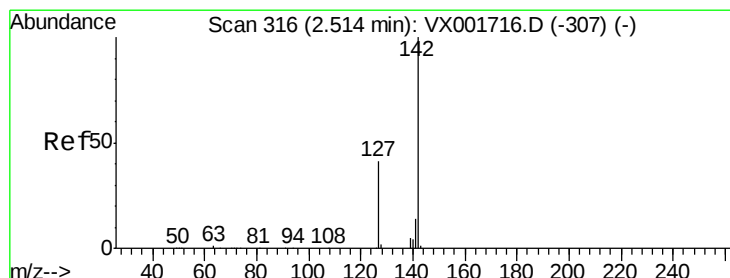
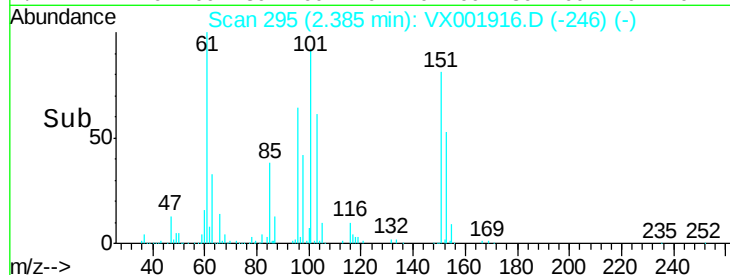
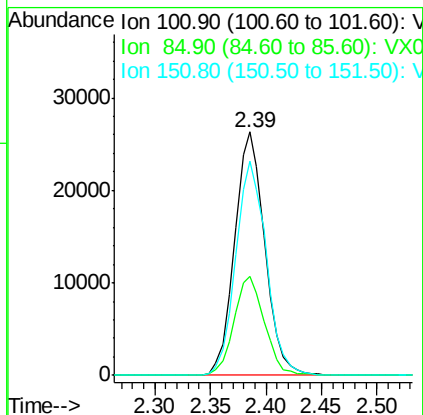
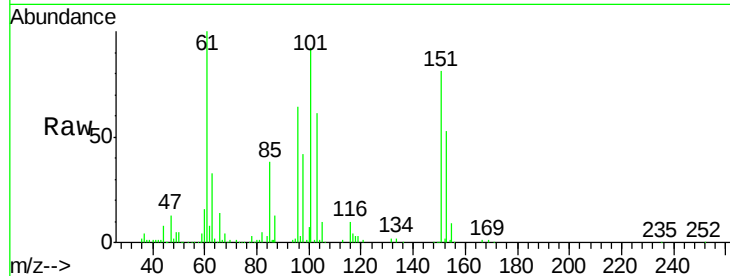
ClientSampleId :

VX0522WBS02

Tot Ion:	101	Resp:	49270
Ion Ratio	Lower	Upper	
101	100		
85	41.2	33.7	50.5
151	89.4	73.0	109.6

Manual Integrations
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#10

Methyl Iodide

Concen: 21.77 ug/l

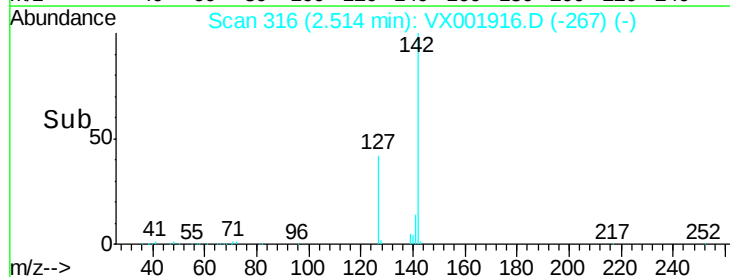
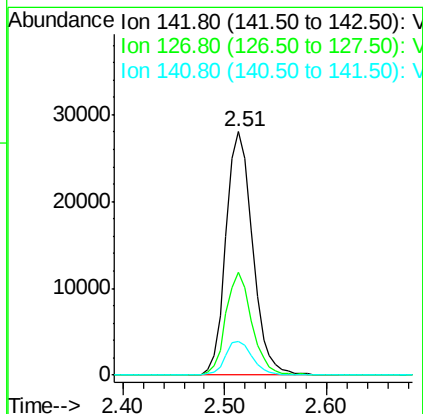
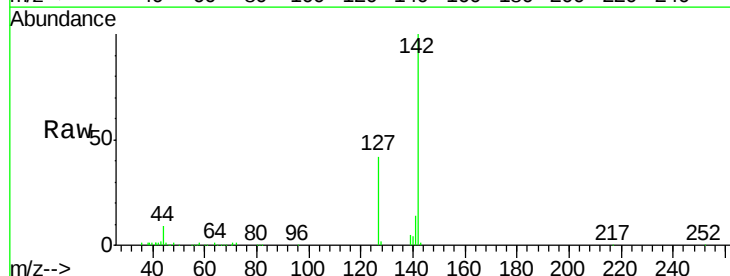
RT: 2.51 min Scan# 316

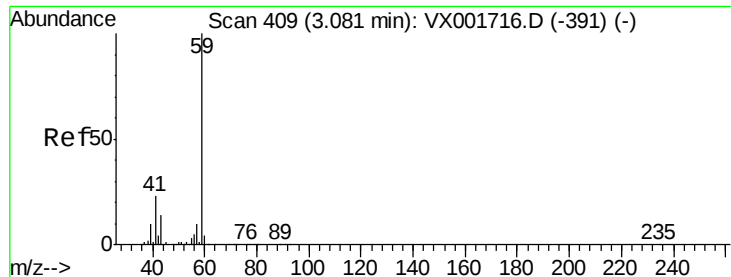
Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Tgt Ion:	142	Resp:	50890
Ion Ratio	Lower	Upper	
142	100		
127	41.2	32.5	48.7
141	14.1	11.4	17.0





#11

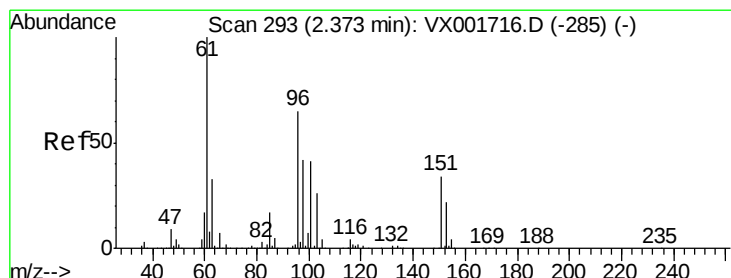
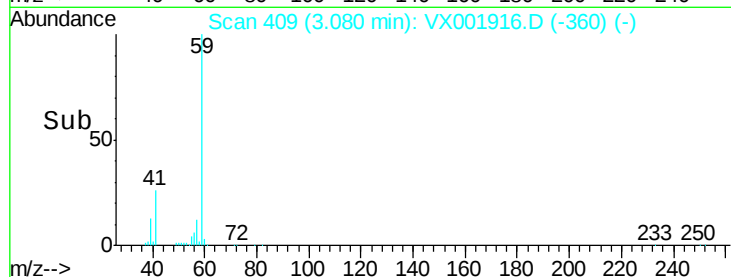
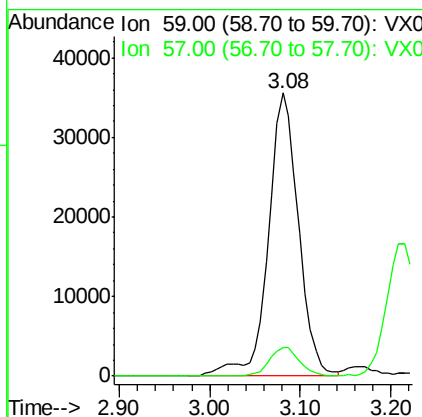
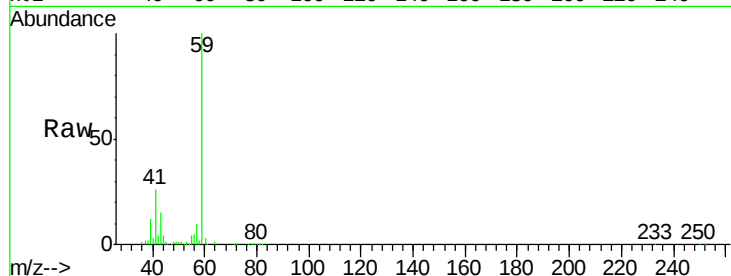
Tert butyl alcohol
Concen: 139.13 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Instrument :
MSVOA_X
ClientSampled :
VX0522WBS02

Tot Ion	59	Resp	82038
Ion Ratio	100	Lower	Upper
57	10.3	8.5	12.7

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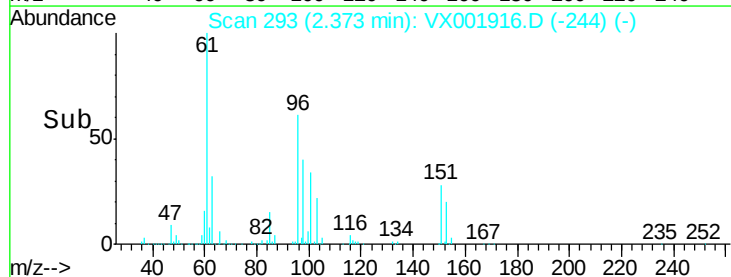
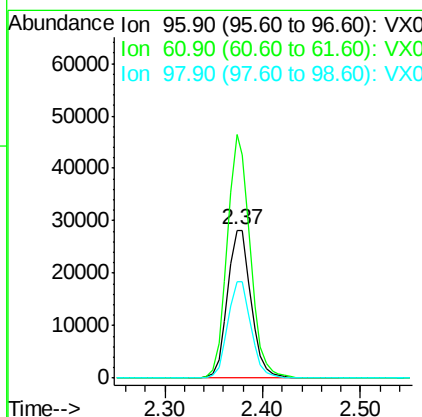
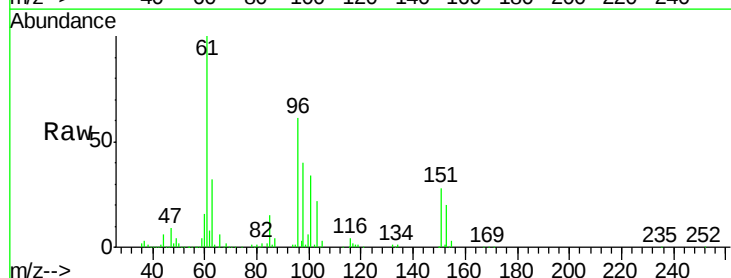
MMDadoda
5/24/2018 11:47:48 AM

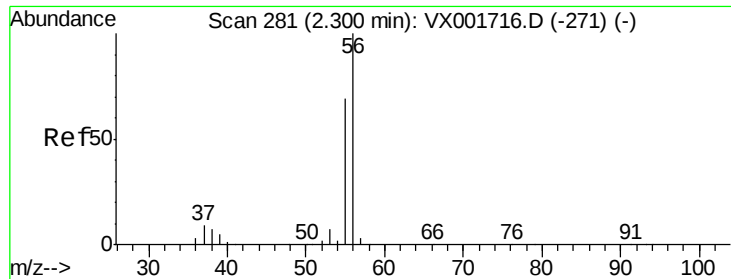


#12

1,1-Dichloroethene
Concen: 19.37 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Tgt Ion	96	Resp	47449
Ion Ratio	100	Lower	Upper
61	164.7	122.2	183.2
98	65.6	51.4	77.0





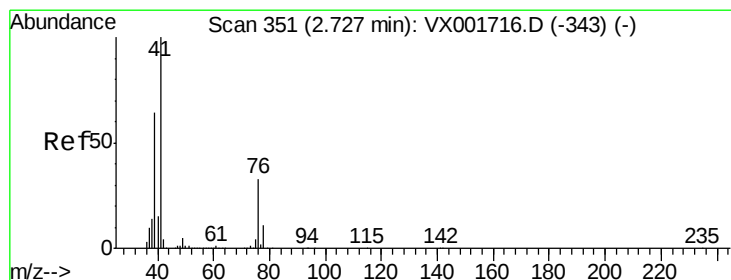
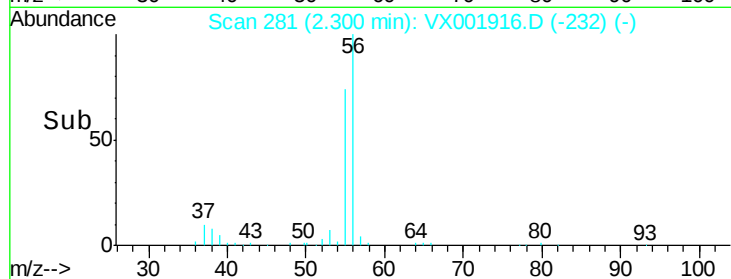
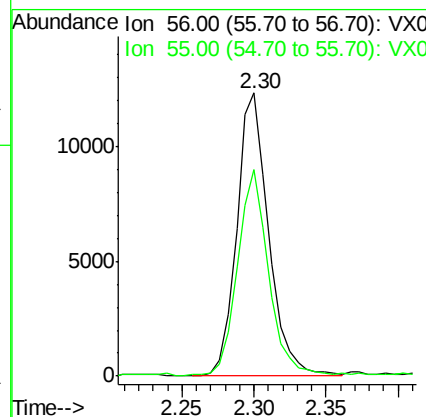
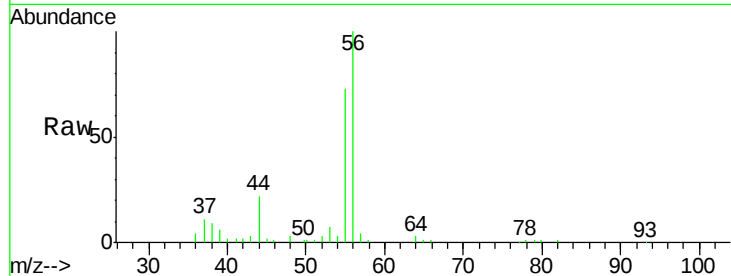
#13
Acrolein
Concen: 45.54 ug/l
RT: 2.30 min Scan# 281
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBS02

Tot Ion	56	55	Ratio	100	72.3	Resp	19043	Lower	56.2	Upper	84.2
Ion											

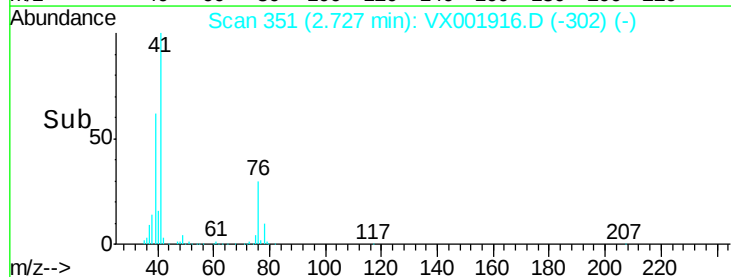
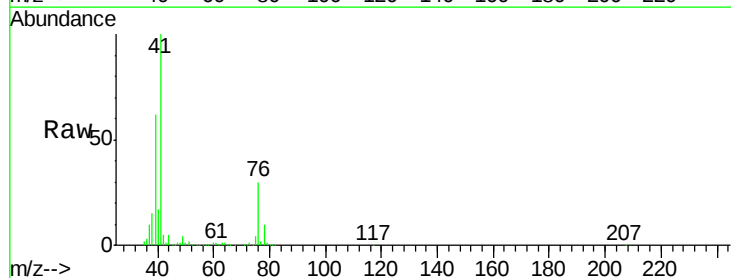
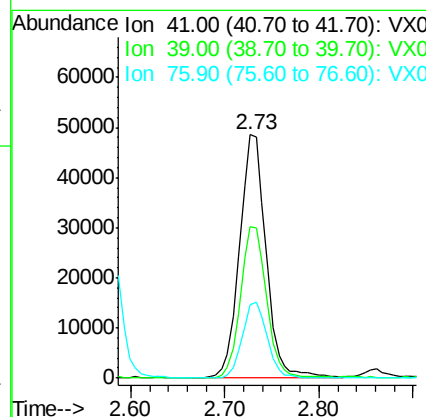
Manual Integrations
APPROVED

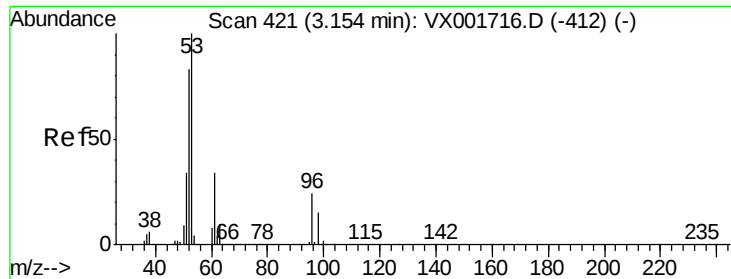
MMDadoda
5/24/2018 11:47:48 AM



#14
Allyl chloride
Concen: 20.80 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Tgt Ion	41	39	76	Ratio	100	60.6	29.7	Resp	94147	Lower	49.8	Upper	74.6	38.8
Ion														





#15

Acrylonitrile

Concen: 117.66 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

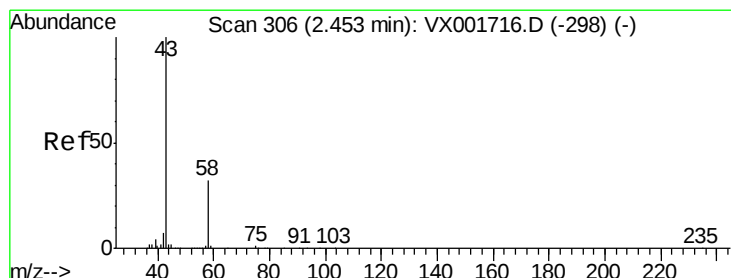
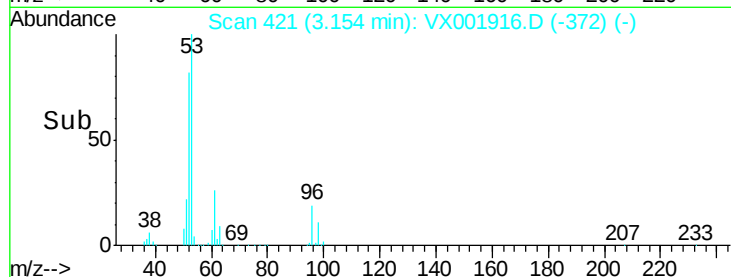
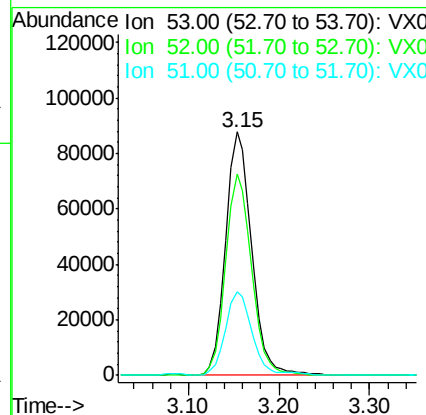
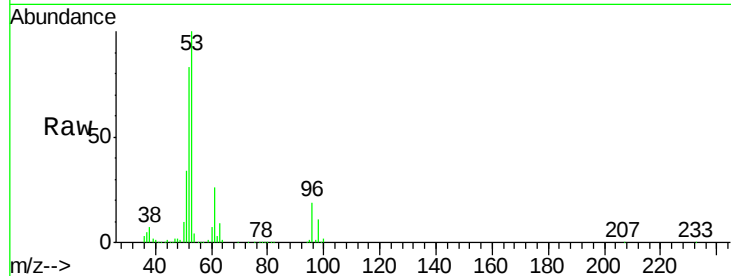
ClientSampleId :

VX0522WBS02

Tot Ion:	53	Resp:	174260
Ion Ratio	Lower	Upper	
53	100		
52	82.7	65.6	98.4
51	35.9	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 123.12 ug/l

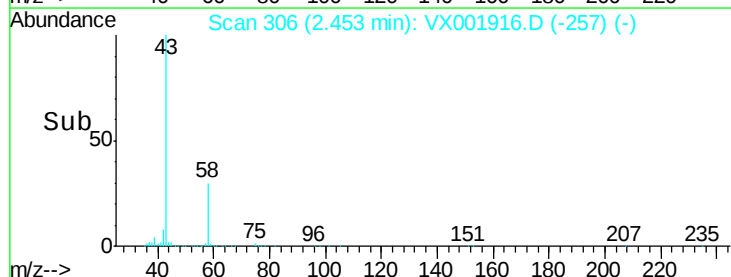
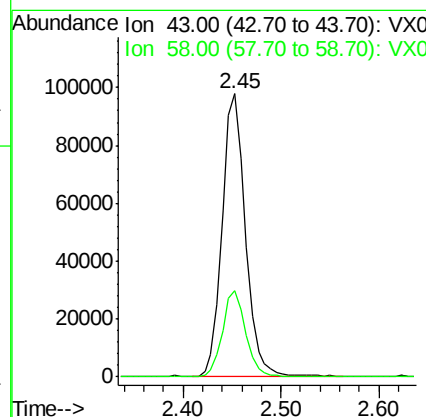
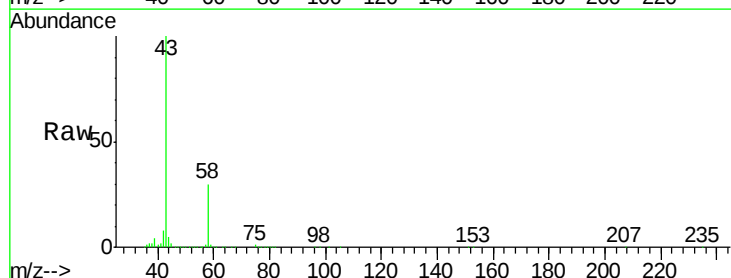
RT: 2.45 min Scan# 306

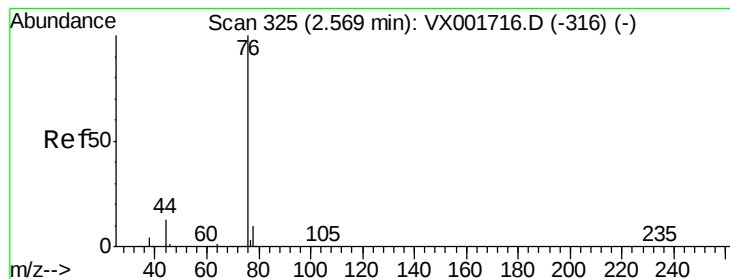
Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Tgt Ion:	43	Resp:	160607
Ion Ratio	Lower	Upper	
43	100		
58	30.5	25.3	37.9





#17

Carbon Disulfide

Concen: 15.56 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBS02

Tot Ion: 76 Resp: 99413

Ion Ratio Lower Upper

76 100

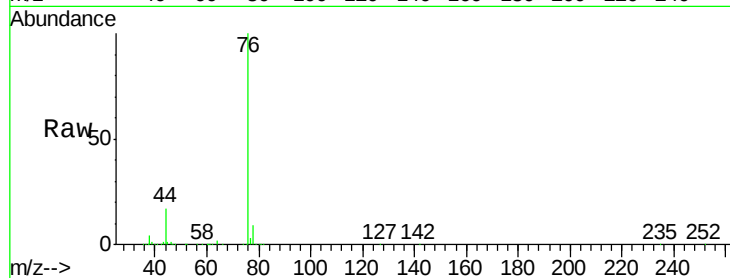
78 9.1 7.6 11.4

Manual Integrations

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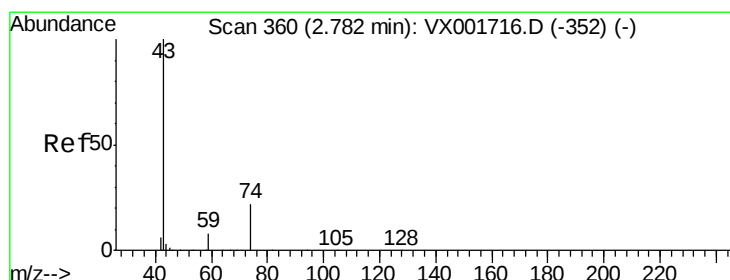
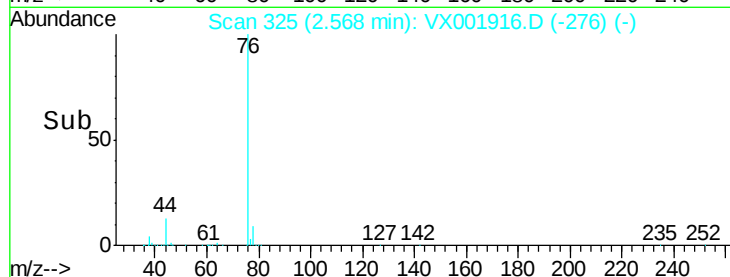
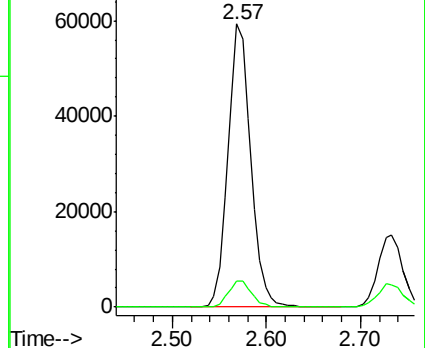
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 26.82 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX001916.D

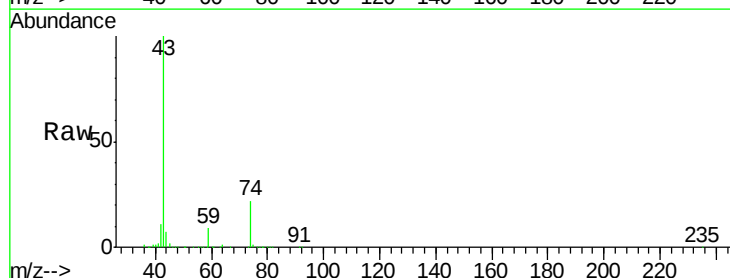
Acq: 23 May 2018 01:52

Tgt Ion: 43 Resp: 102295

Ion Ratio Lower Upper

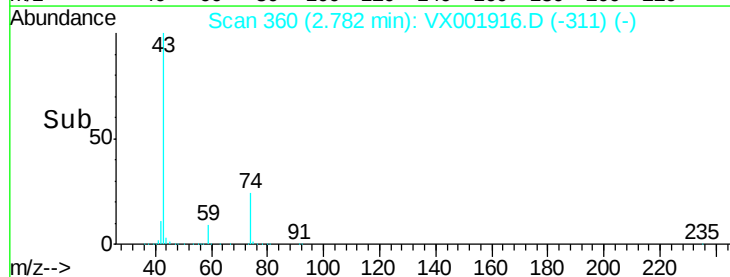
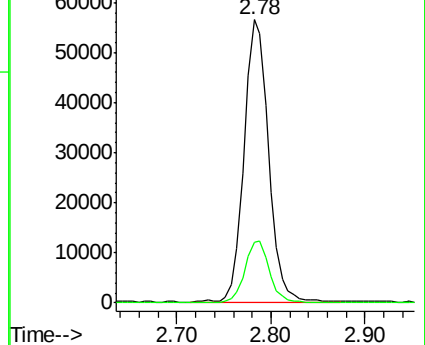
43 100

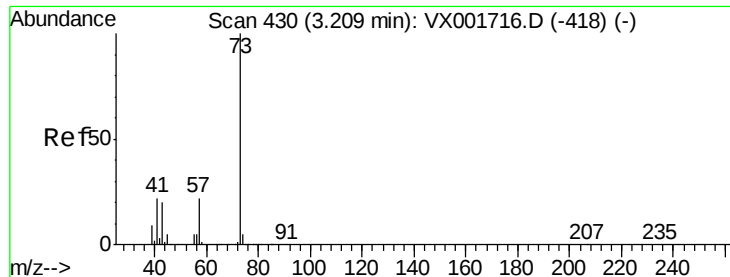
74 22.4 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





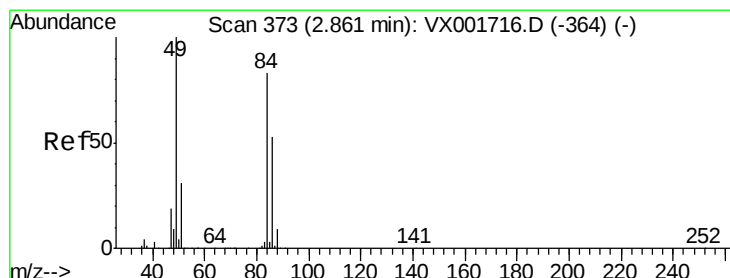
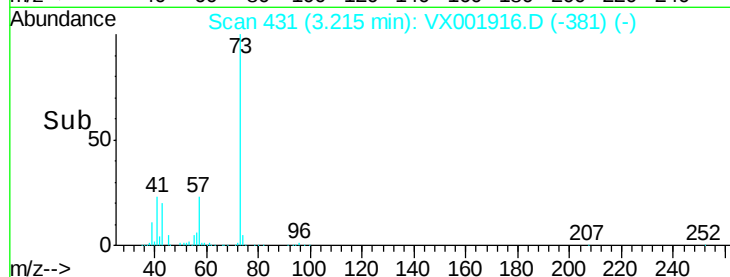
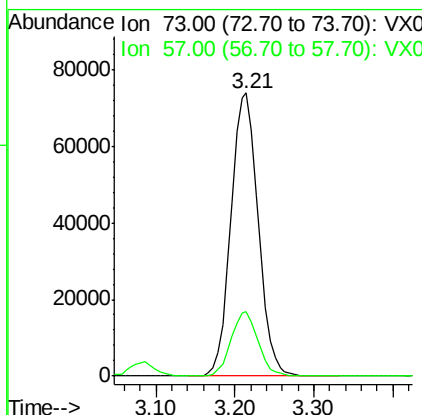
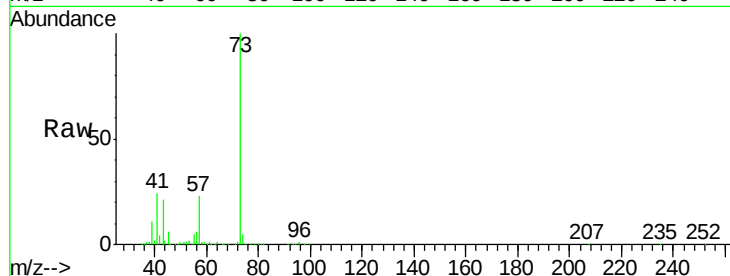
#19
Methvl tert-butvl Ether
Concen: 21.48 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.5	26.3

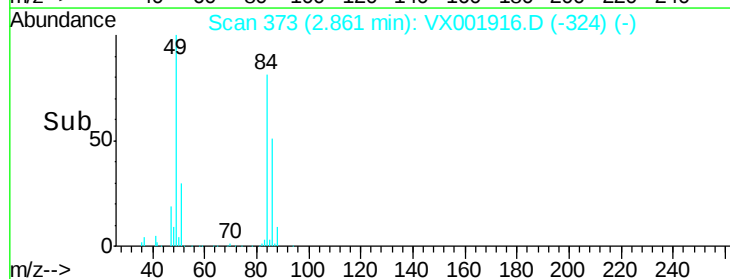
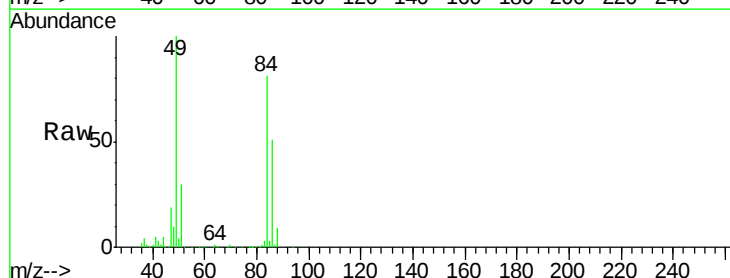
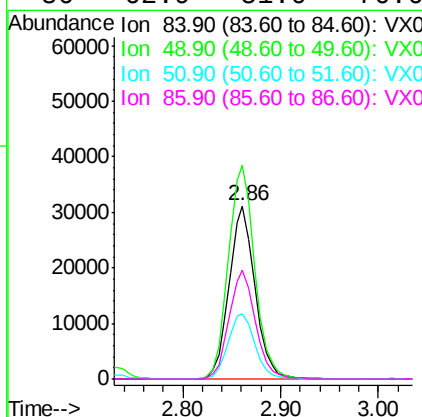
Manual Integrations
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#20
Methylene Chloride
Concen: 20.46 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.1	96.3	144.5
51	37.3	29.8	44.6
86	62.9	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 19.24 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

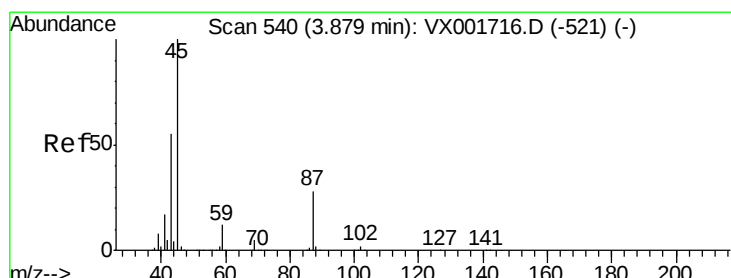
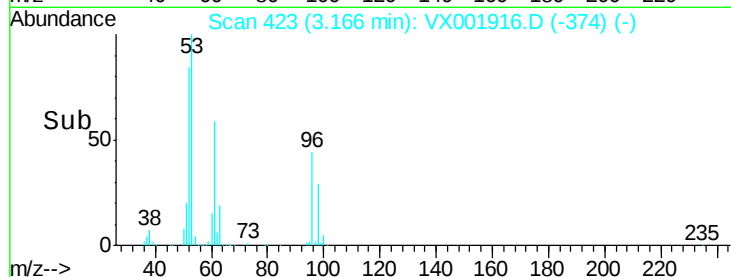
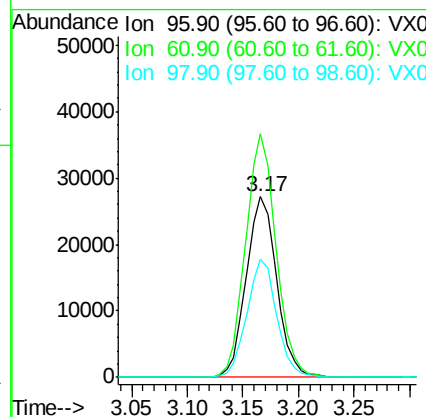
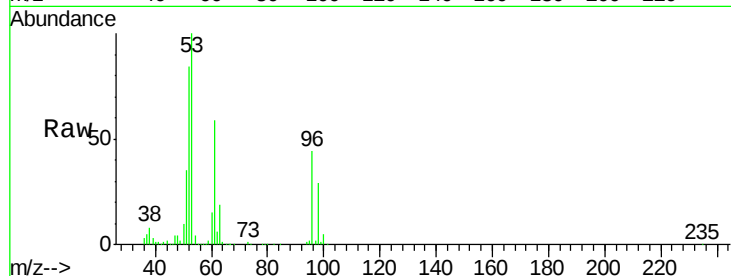
ClientSampleId :

VX0522WBS02

Tot Ion:	96	Resp:	51920
Ion	Ratio	Lower	Upper
96	100		
61	134.5	105.8	158.8
98	65.3	50.2	75.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.63 ug/l

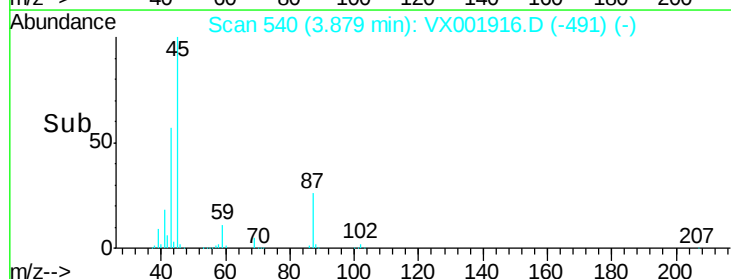
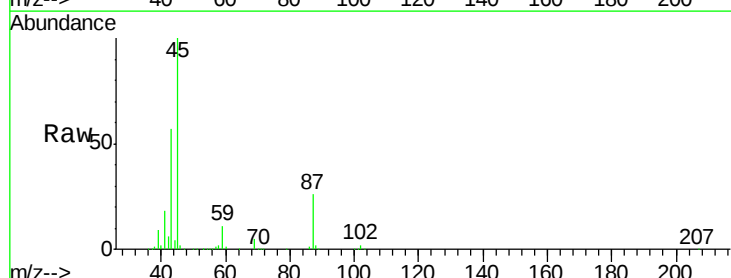
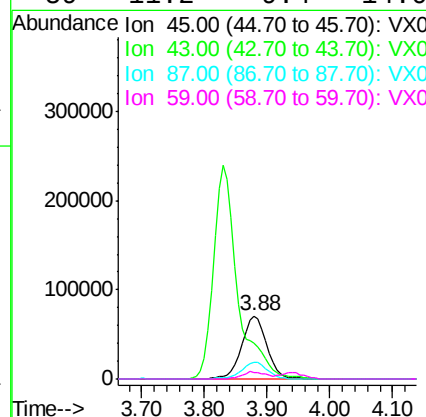
RT: 3.88 min Scan# 540

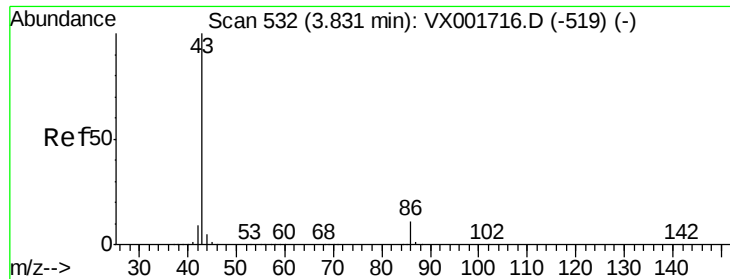
Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Tgt Ion:	45	Resp:	196561
Ion	Ratio	Lower	Upper
45	100		
43	56.7	44.3	66.5
87	25.5	22.6	33.8
59	11.2	9.4	14.0





#23

Vinyl Acetate

Concen: 102.18 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBS02

Tot Ion: 43 Resp: 639313

Ion Ratio Lower Upper

43 100

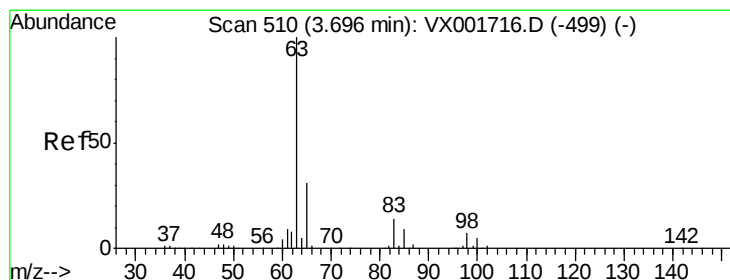
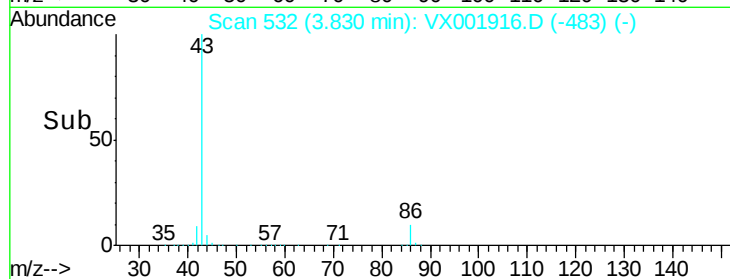
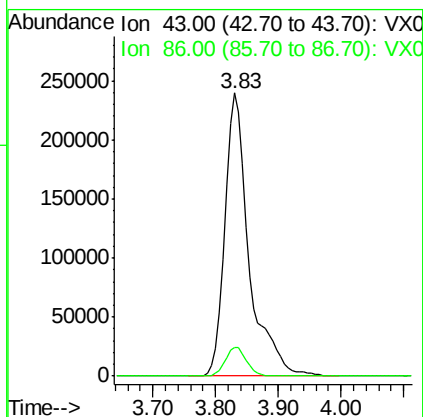
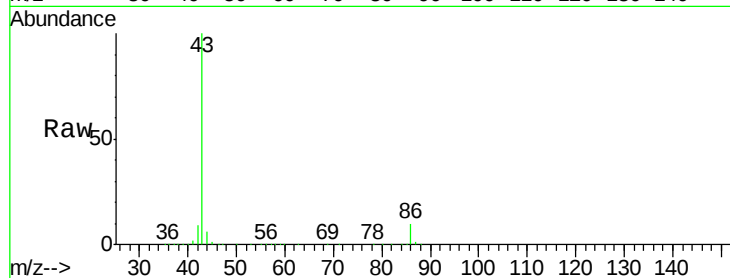
86 10.4 8.7 13.1

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.66 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

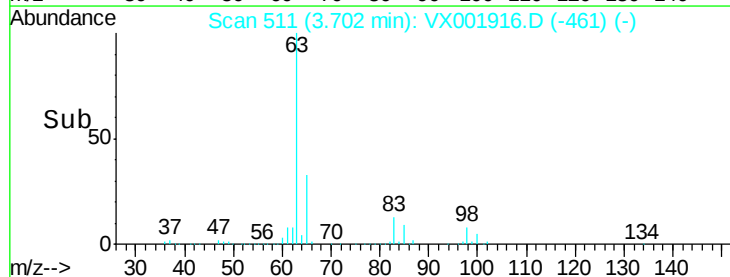
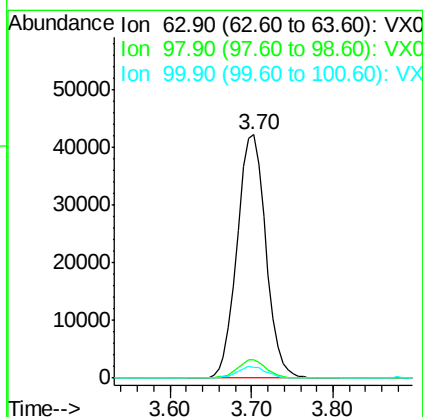
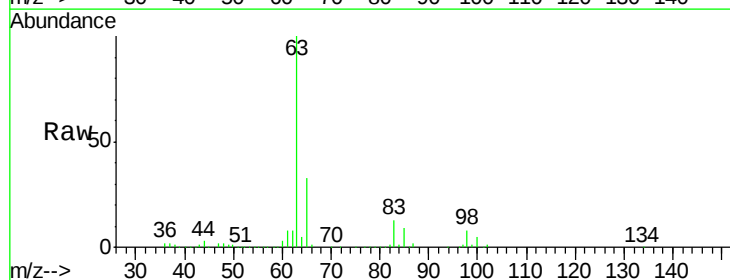
Tgt Ion: 63 Resp: 103150

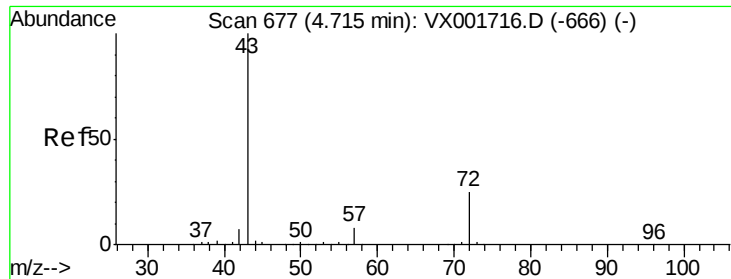
Ion Ratio Lower Upper

63 100

98 7.6 3.7 11.1

100 4.6 2.4 7.2





#25

2-Butanone

Concen: 130.65 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Tot Ion: 43 Resp: 260929

Ion Ratio Lower Upper

43 100

72 23.6 19.8 29.6

Instrument :

MSVOA_X

ClientSampled :

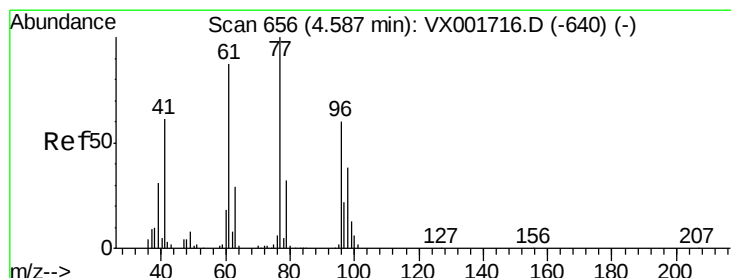
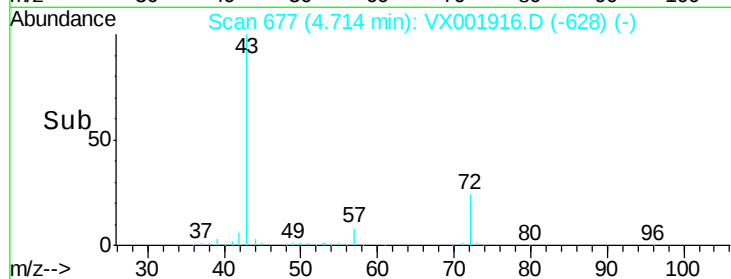
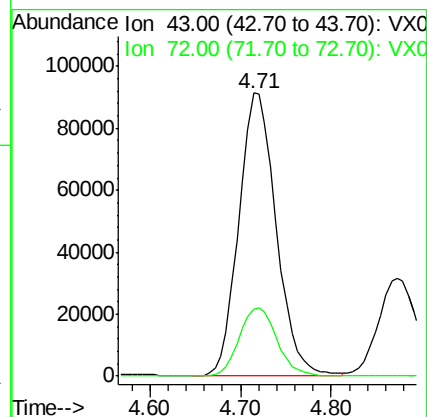
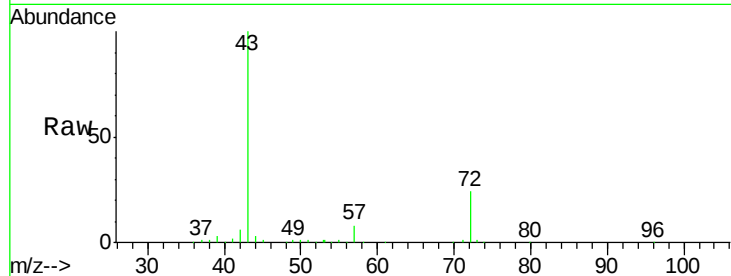
VX0522WBS02

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 14.06 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX001916.D

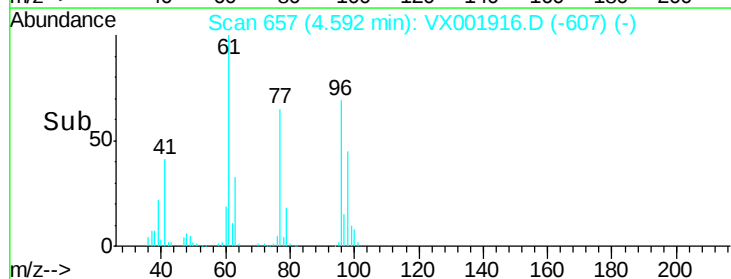
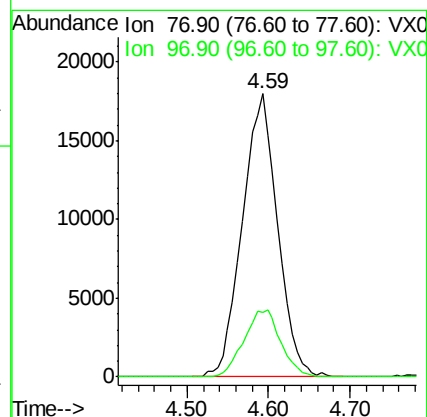
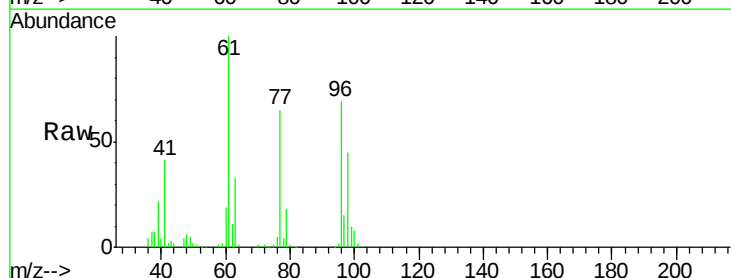
Acq: 23 May 2018 01:52

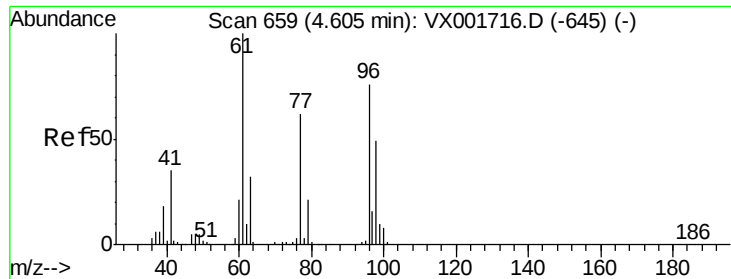
Tgt Ion: 77 Resp: 53908

Ion Ratio Lower Upper

77 100

97 24.7 11.6 34.8





#27

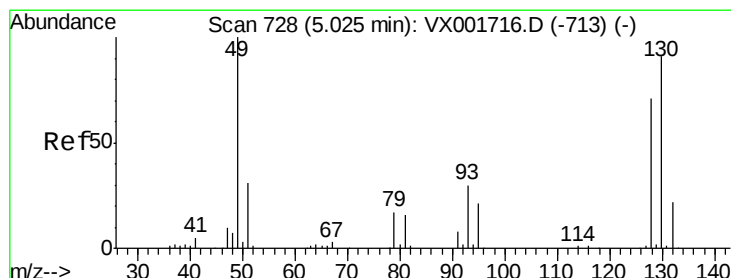
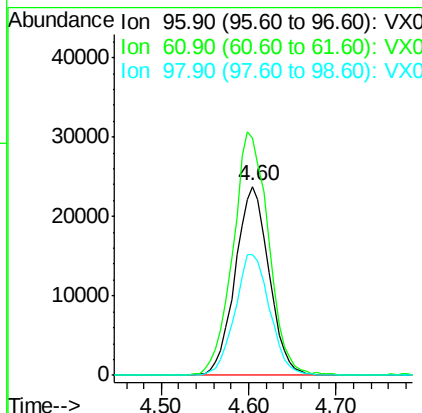
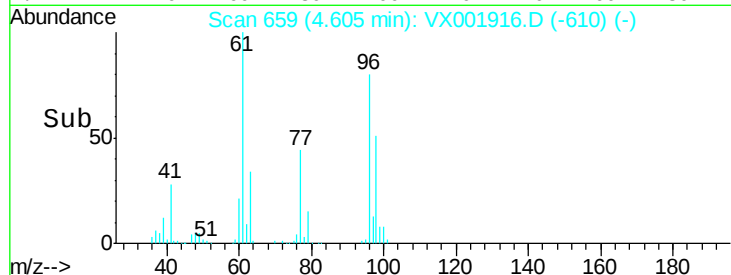
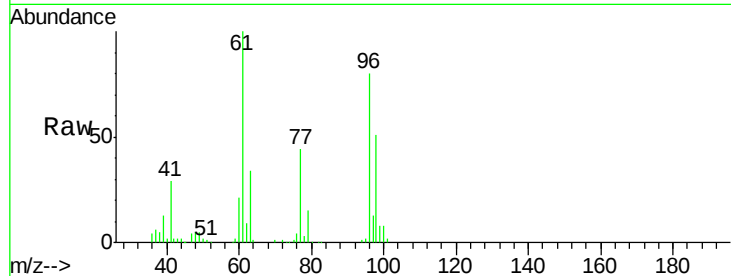
cis-1,2-Dichloroethene
Concen: 20.83 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.1	0.0	280.4
98	65.8	0.0	128.4

Manual Integrations
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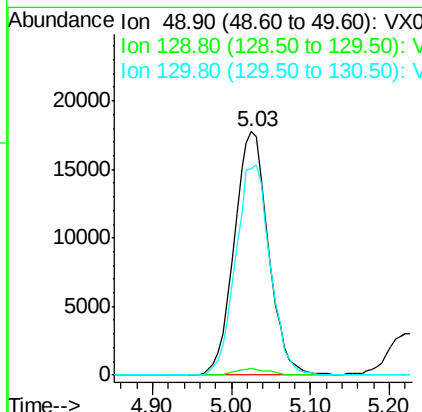
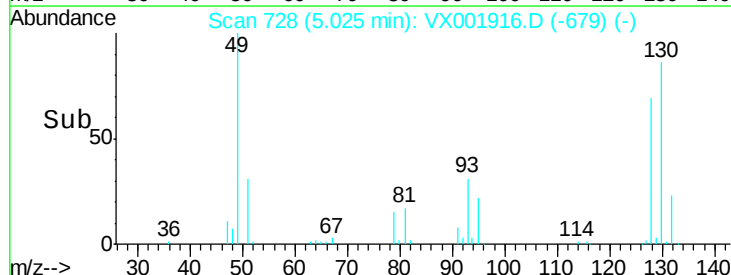
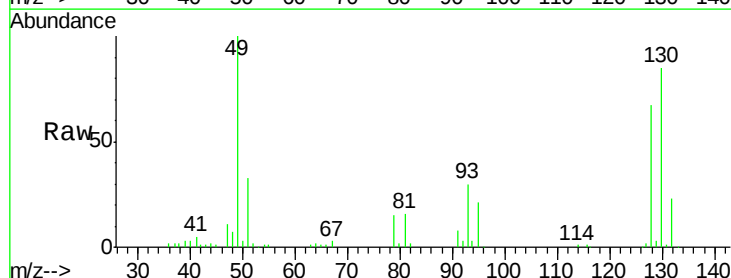
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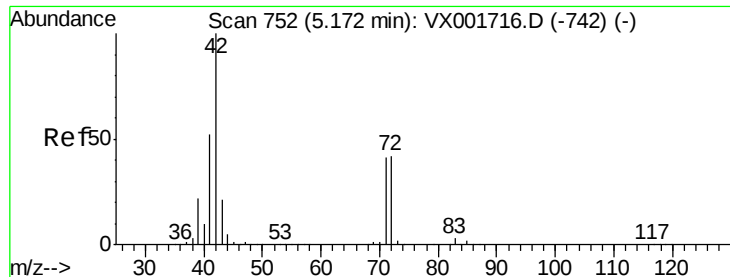


#28

Bromochloromethane
Concen: 25.27 ug/l
RT: 5.03 min Scan# 728
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.0
130	87.2	71.8	107.6





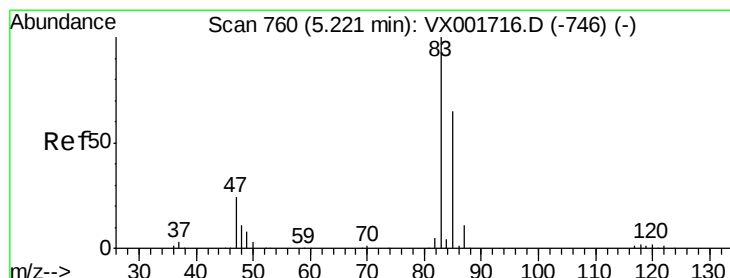
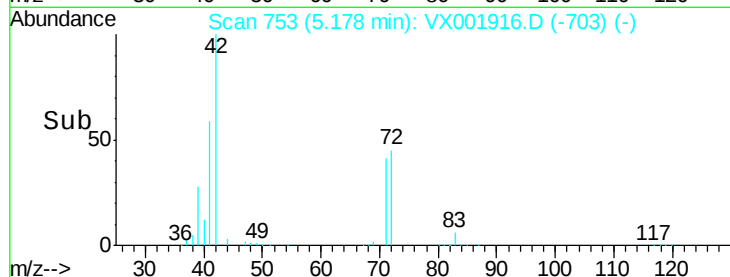
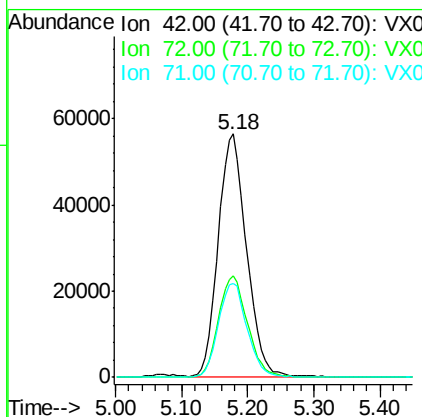
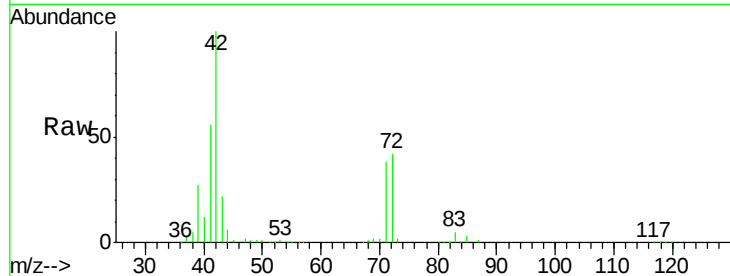
#29
Tetrahydrofuran
Concen: 128.37 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.9	35.4	53.2
71	39.2	33.2	49.8

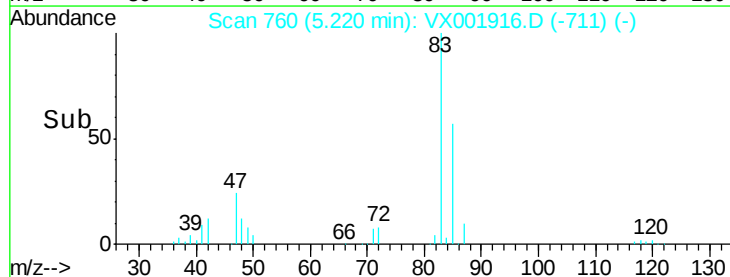
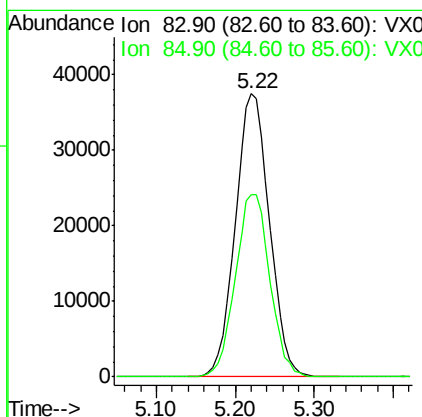
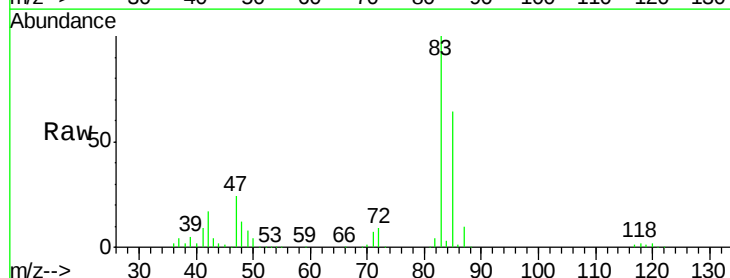
Manual Integrations
APPROVED

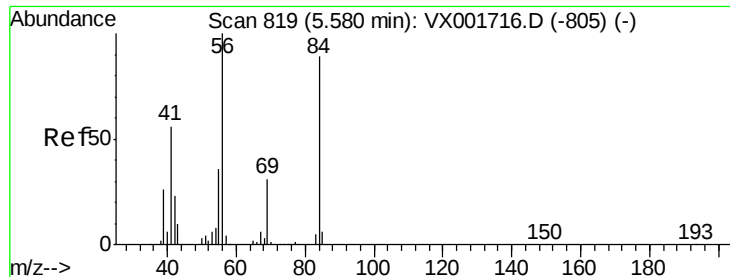
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5/24/2018 11:47:48 AM



#30
Chloroform
Concen: 22.48 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.3	78.5





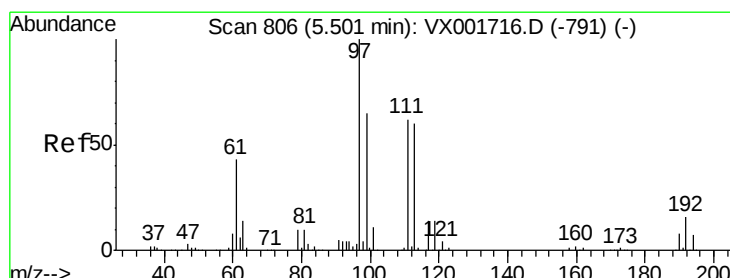
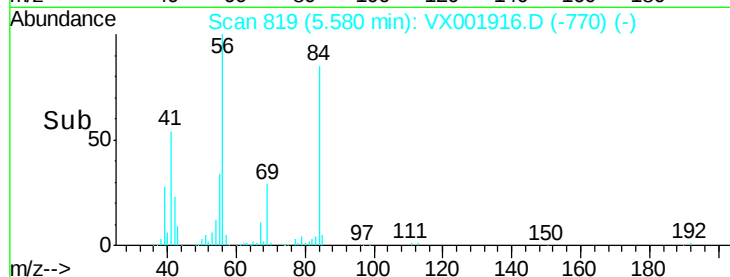
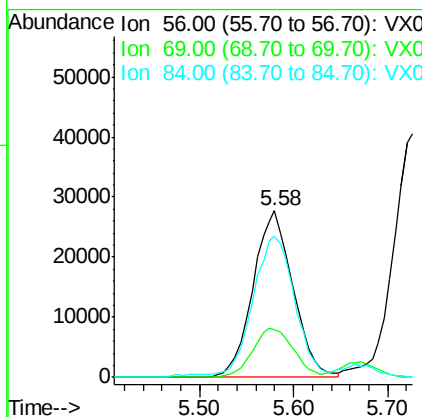
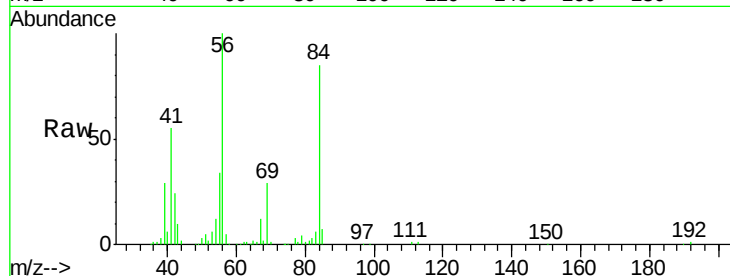
#31
Cyclohexane
Concen: 19.69 ug/l
RT: 5.58 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.0	25.0	37.6
84	82.8	71.0	106.4

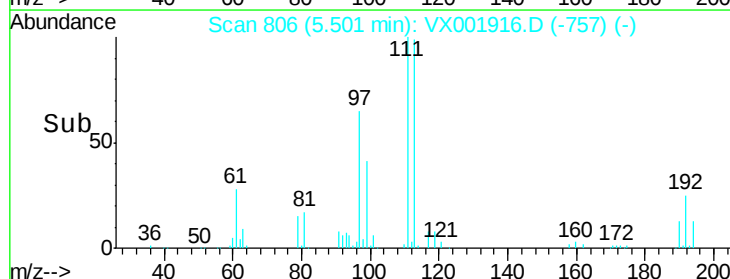
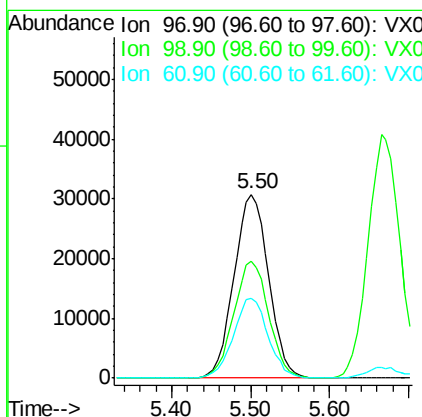
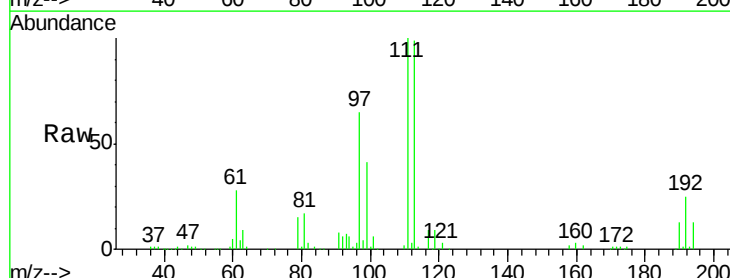
Manual Integrations
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#32
1,1,1-Trichloroethane
Concen: 21.67 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.3	76.9
61	43.5	34.0	51.0





#33

1,2-Dichloroethane-d4

Concen: 52.30 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBS02

Tot Ion: 65 Resp: 173699

Ion Ratio Lower Upper

65 100

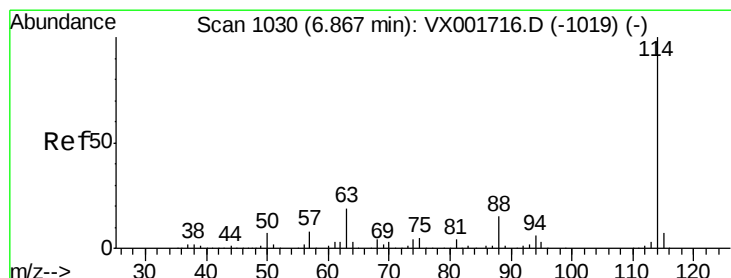
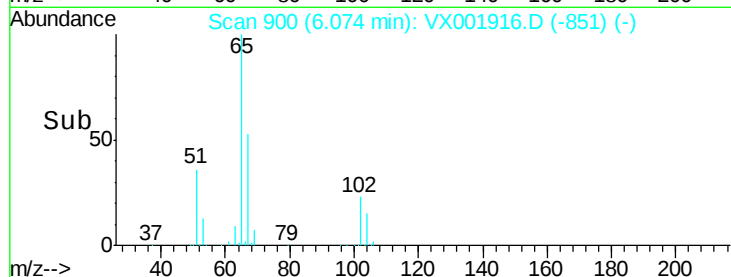
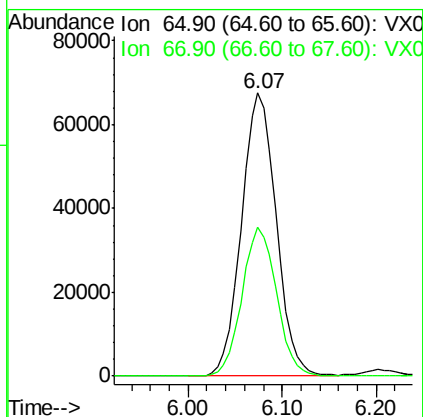
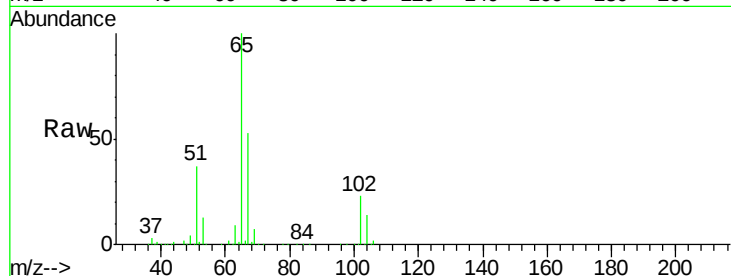
67 52.5 0.0 102.8

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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: VX001916.D

Acq: 23 May 2018 01:52

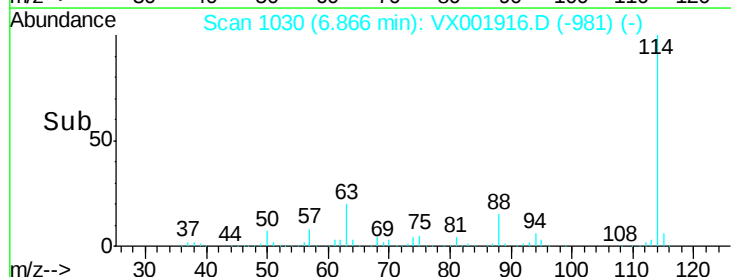
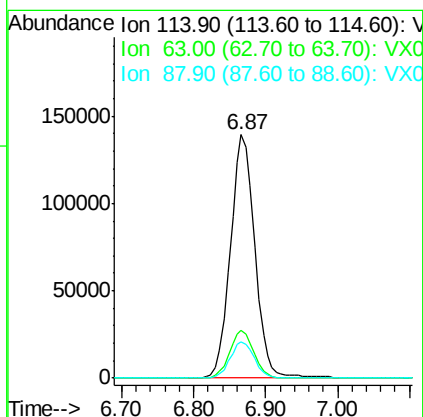
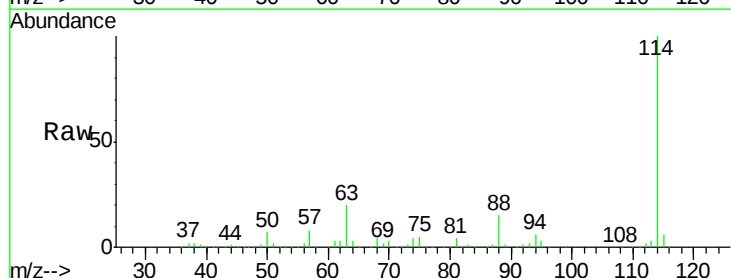
Tgt Ion: 114 Resp: 328325

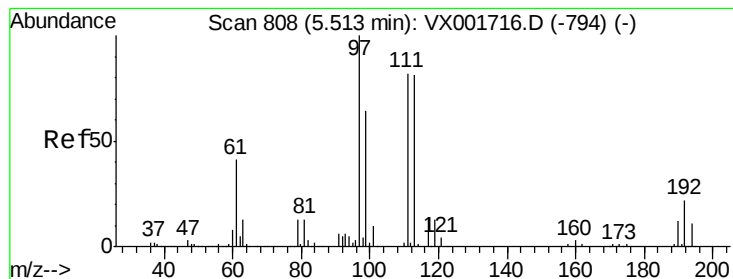
Ion Ratio Lower Upper

114 100

63 19.7 0.0 37.0

88 14.8 0.0 29.8





#35

Dibromofluoromethane

Concen: 53.53 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

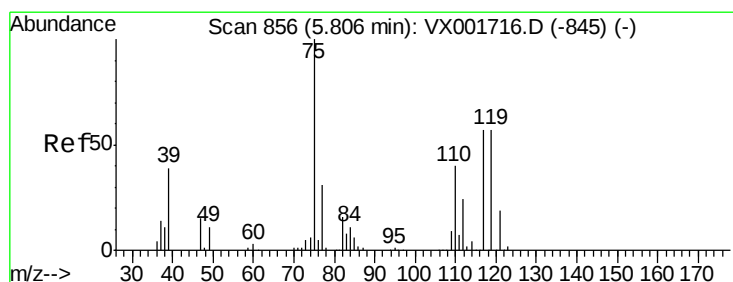
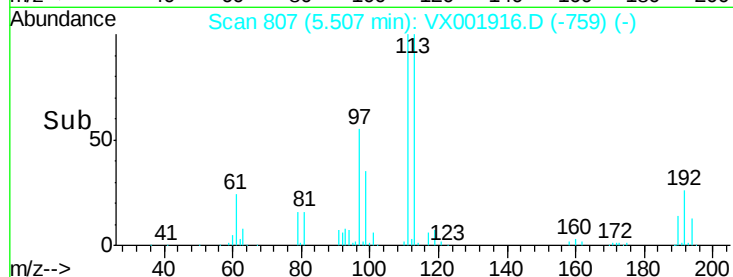
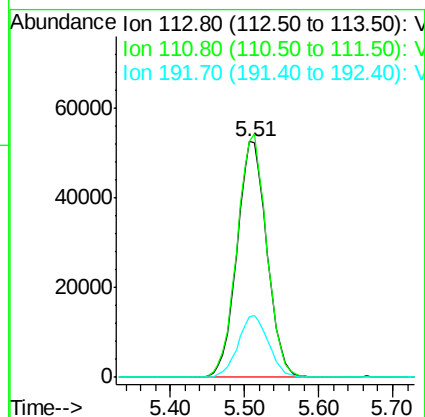
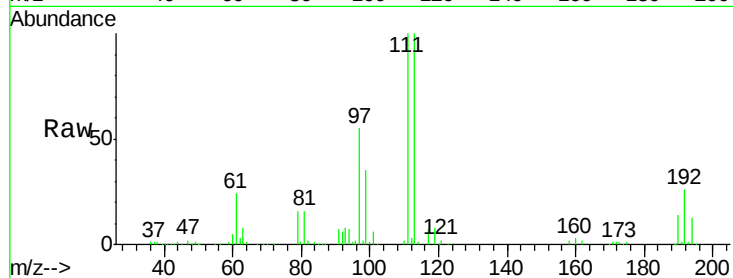
ClientSampleId :

VX0522WBS02

Tot Ion:	113	Resp:	148326
Ion Ratio	Lower	Upper	
113	100		
111	102.0	82.0	123.0
192	26.6	21.6	32.4

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#36

1,1-Dichloropropene

Concen: 19.62 ug/l

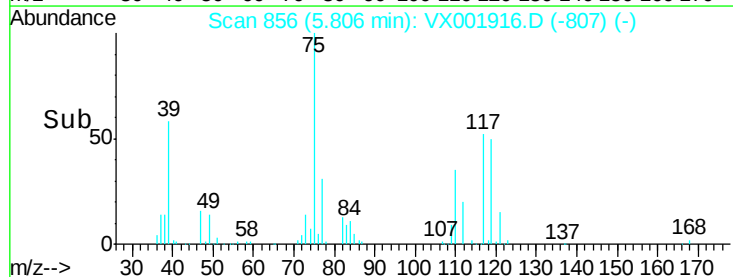
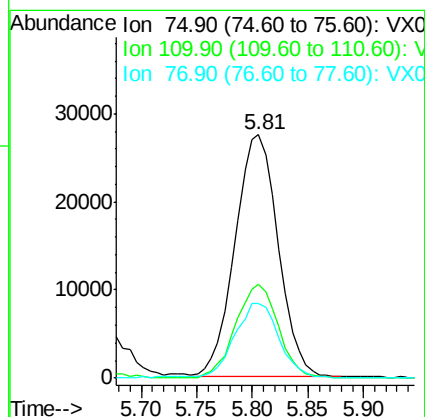
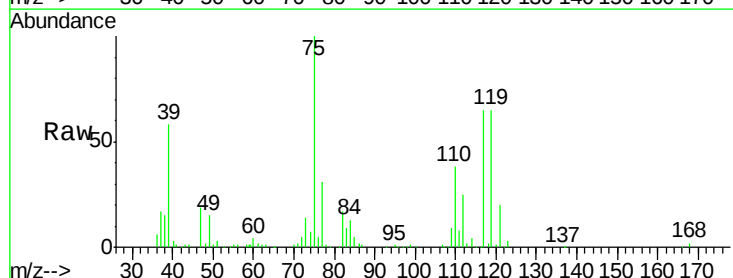
RT: 5.81 min Scan# 856

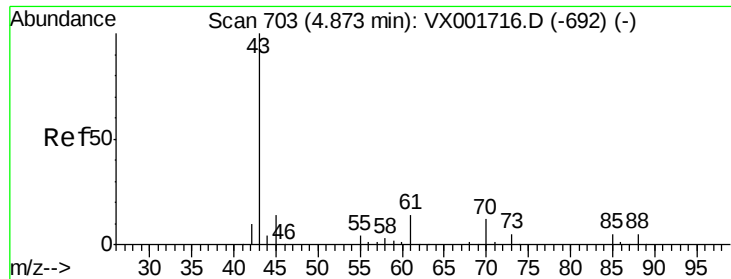
Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Tgt Ion:	75	Resp:	74155
Ion Ratio	Lower	Upper	
75	100		
110	38.5	19.1	57.1
77	32.4	24.6	37.0





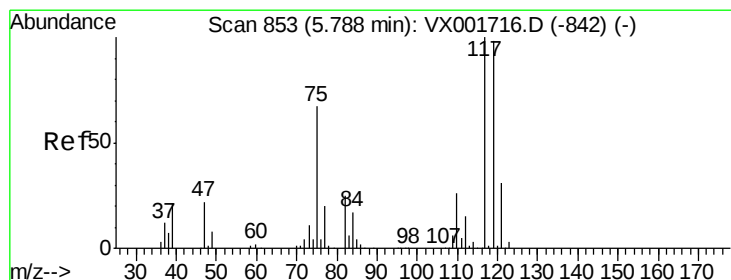
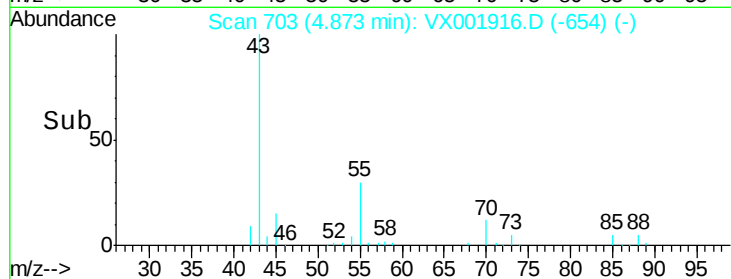
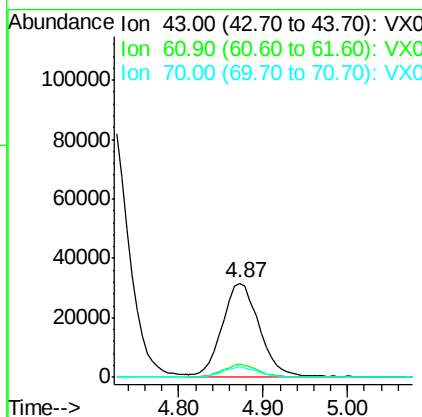
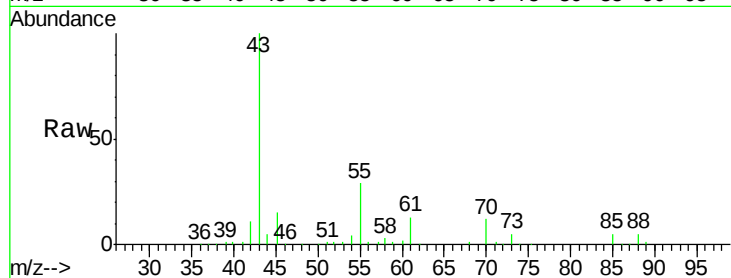
#37
Ethyl Acetate
Concen: 23.86 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.9	16.3
70	11.0	8.8	13.2

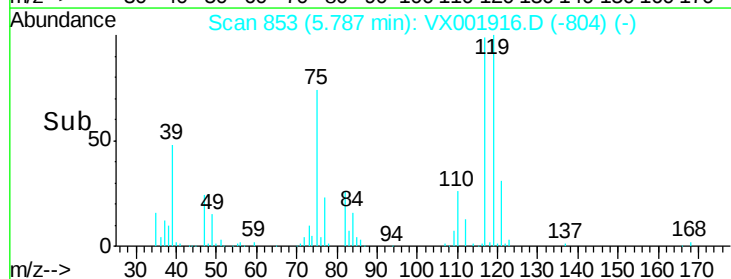
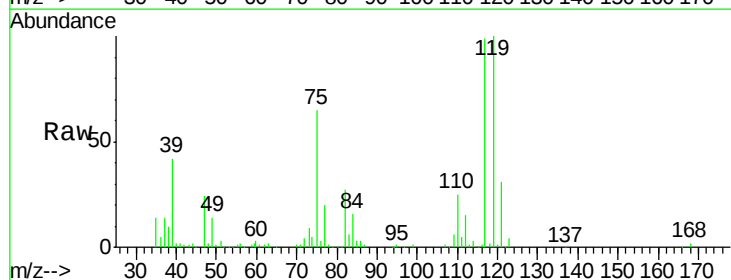
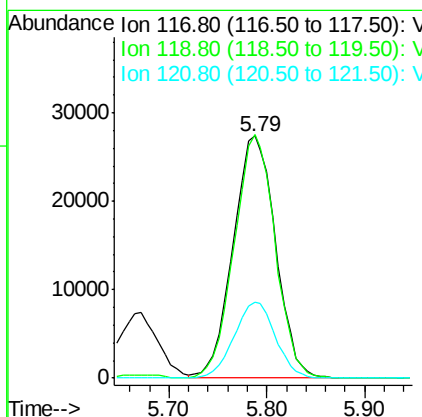
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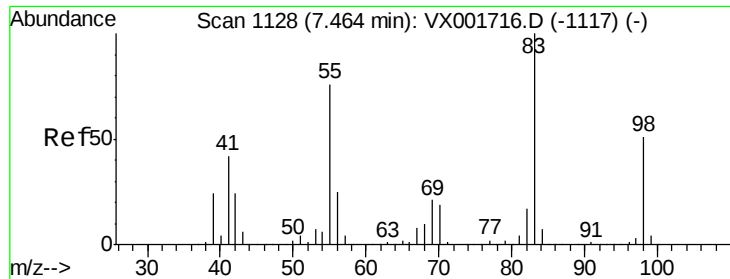
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#38
Carbon Tetrachloride
Concen: 20.71 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.7	77.6	116.4
121	31.5	24.6	36.8





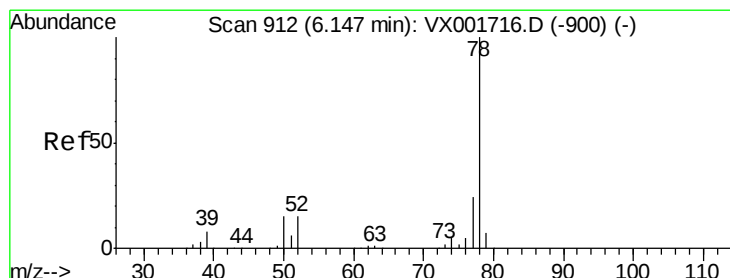
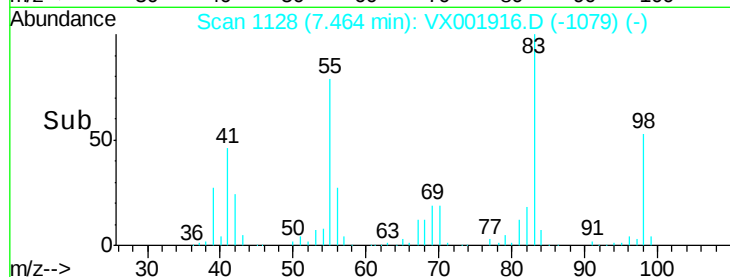
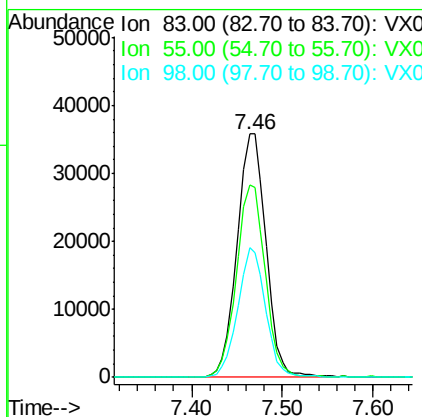
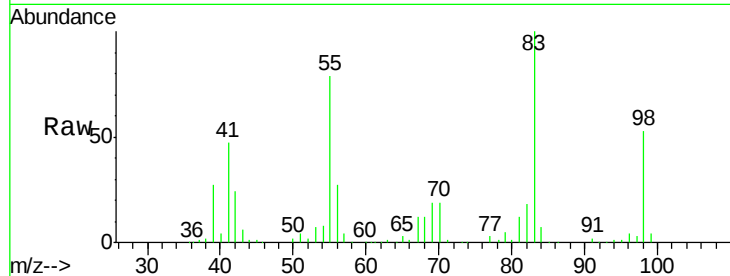
#39
Methylvlcvclohexane
Concen: 18.03 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	79.1	60.6	90.8	
98	53.3	40.4	60.6	

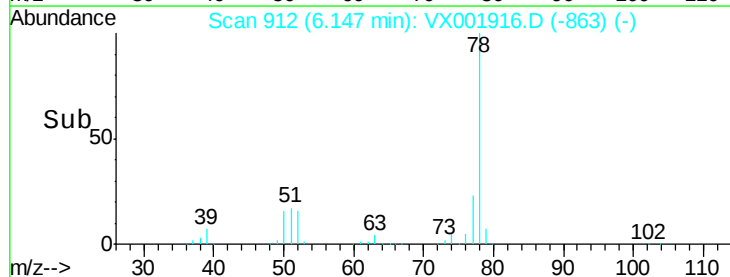
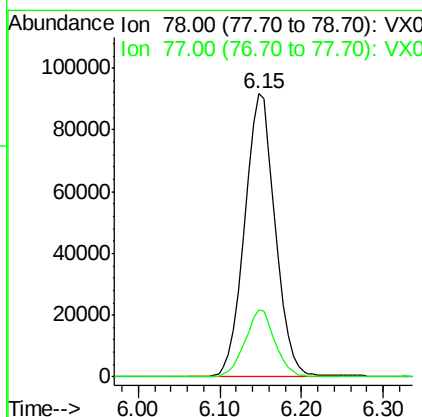
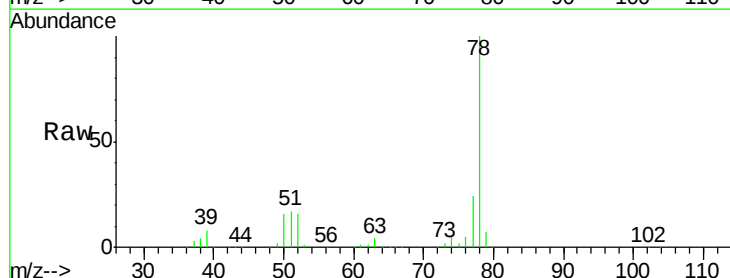
Manual Integrations
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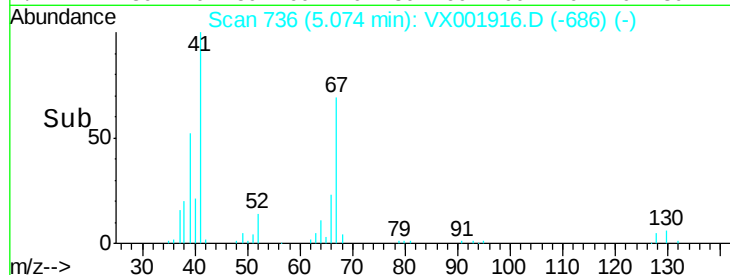
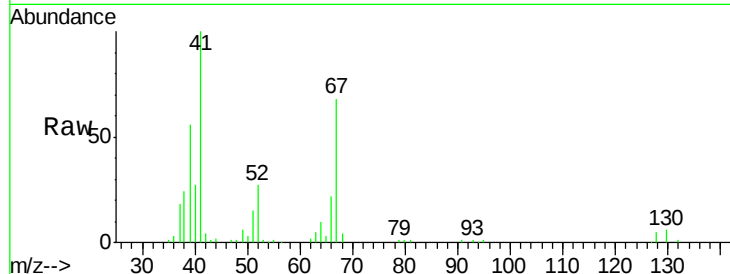
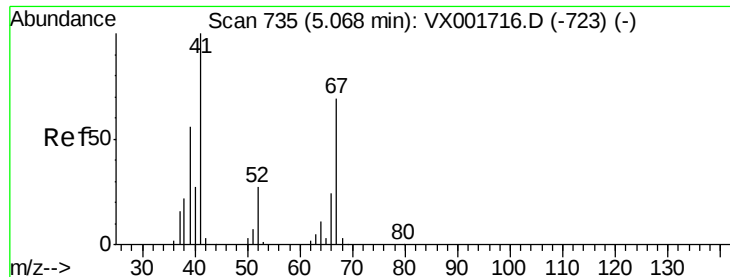
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#40
Benzene
Concen: 21.52 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

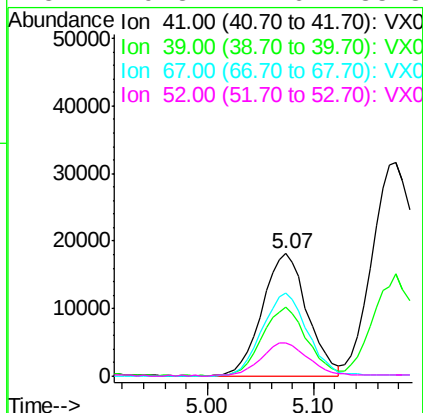
Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	19.0	28.4	





#41
Methacrylonitrile
Concen: 23.35 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

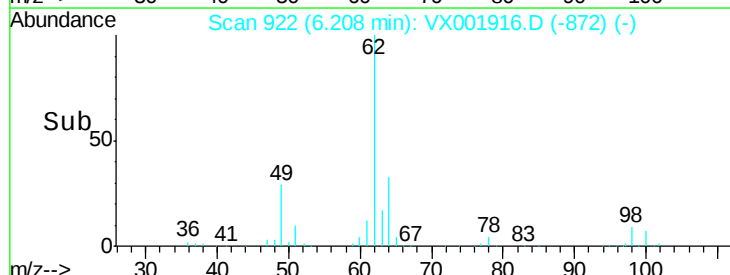
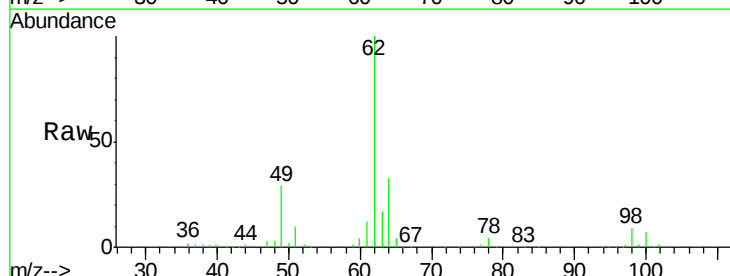
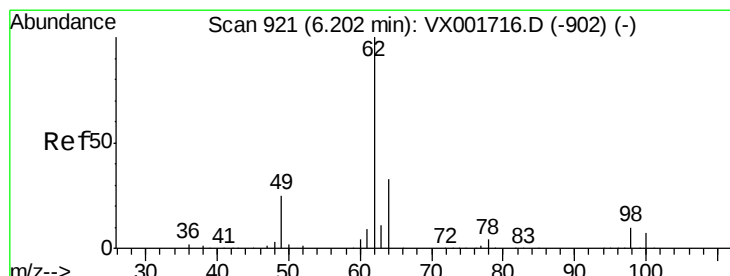
Tot Ion	Ratio	Lower	Upper
41	100		
39	55.2	44.2	66.4
67	69.0	56.0	84.0
52	29.3	22.6	33.8



Instrument :
MSVOA_X
ClientSampleId :
VX0522WBS02

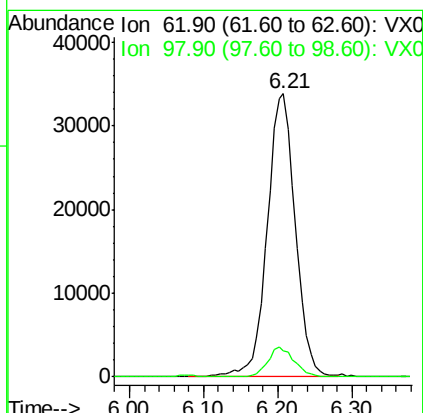
Manual Integrations
APPROVED

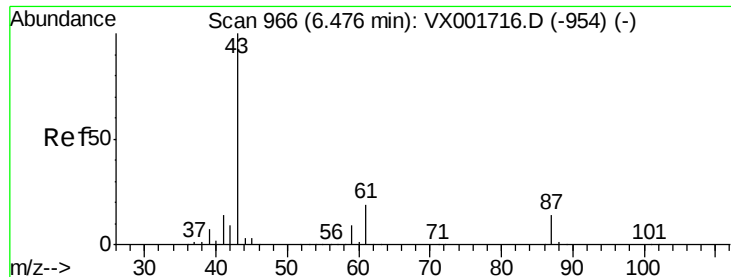
MMDadoda
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#42
1,2-Dichloroethane
Concen: 22.12 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.0





#43

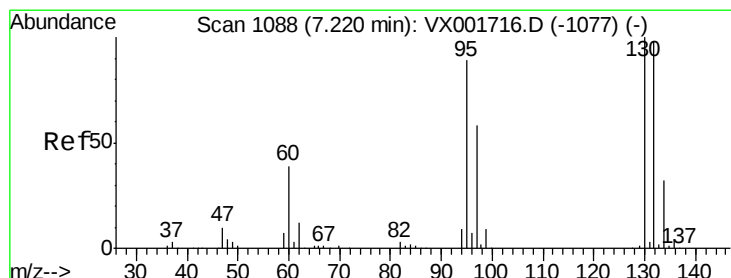
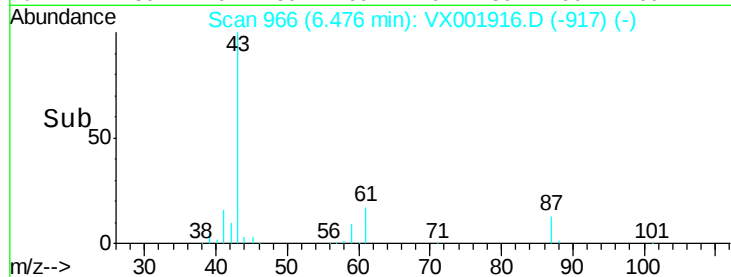
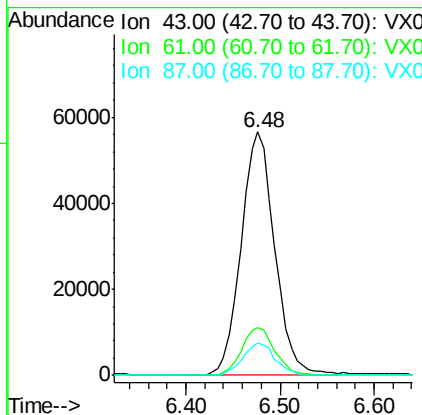
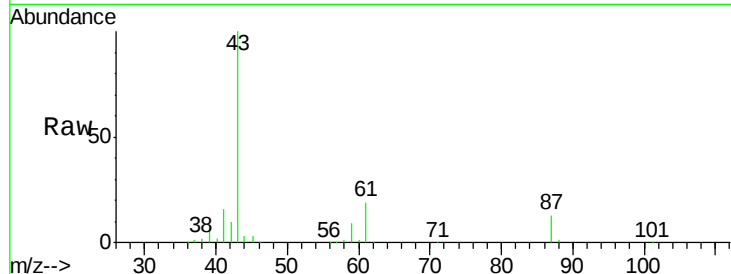
Isopropyl Acetate
Concen: 22.72 ug/l
RT: 6.48 min Scan# 966
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.8	23.8
87	13.0	11.0	16.4

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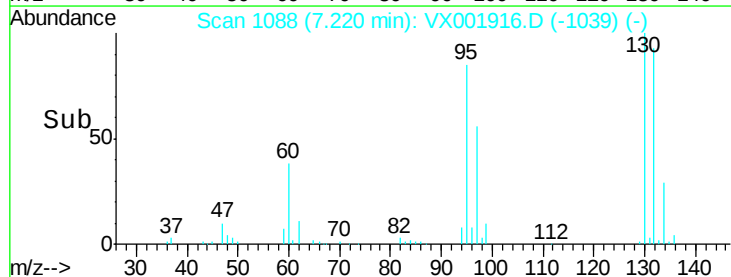
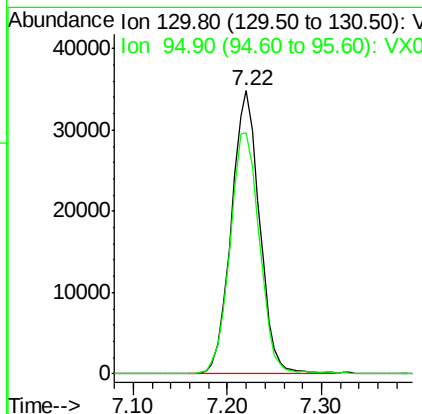
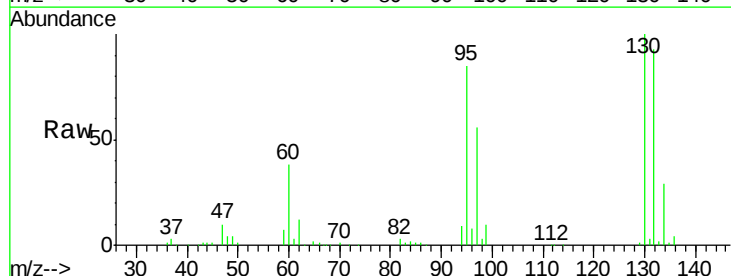
MMDadoda
5/24/2018 11:47:48 AM

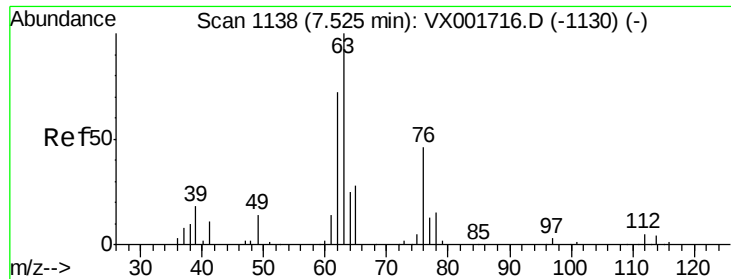


#44

Trichloroethene
Concen: 20.96 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	85.2	0.0	177.2





#45

1,2-Dichloropropane

Concen: 22.73 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBS02

Tot Ion: 63 Resp: 62100

Ion Ratio Lower Upper

63 100

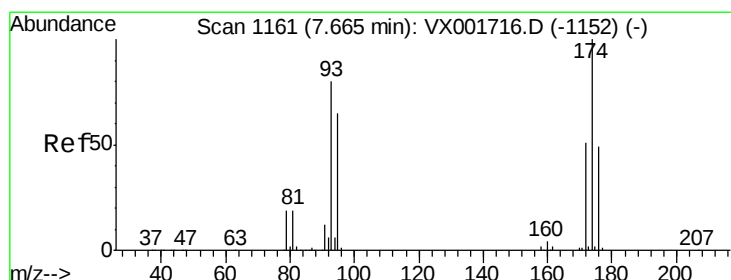
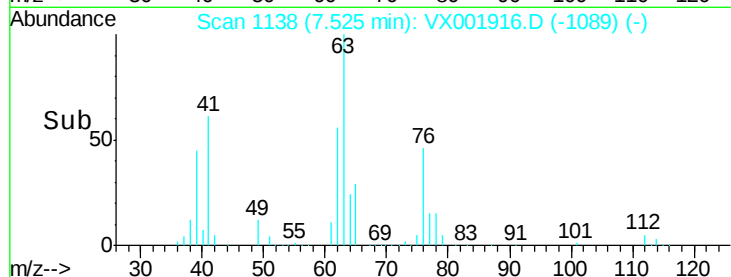
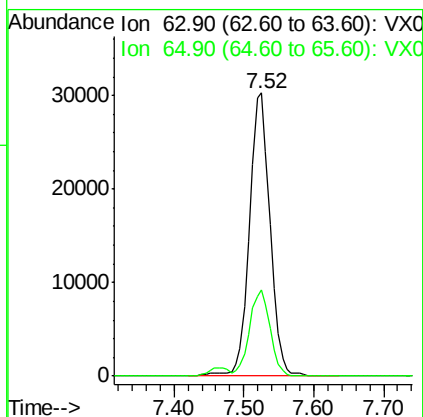
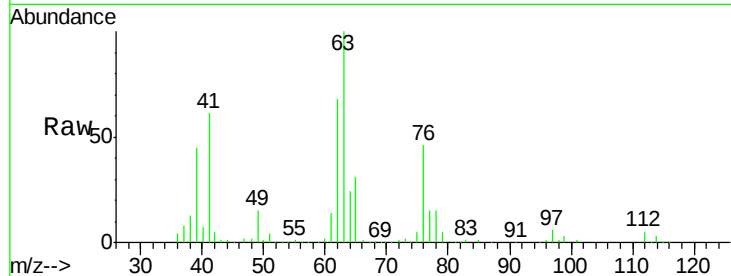
65 30.6 24.2 36.2

Manual Integrations

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#46

Dibromomethane

Concen: 21.48 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

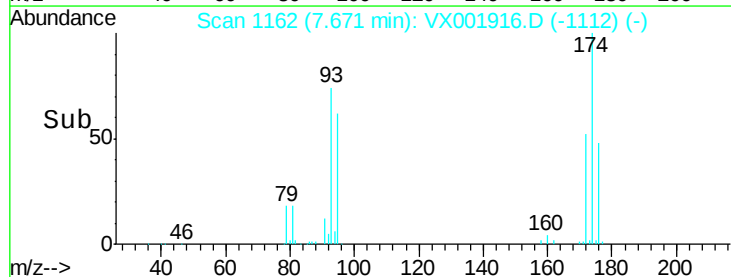
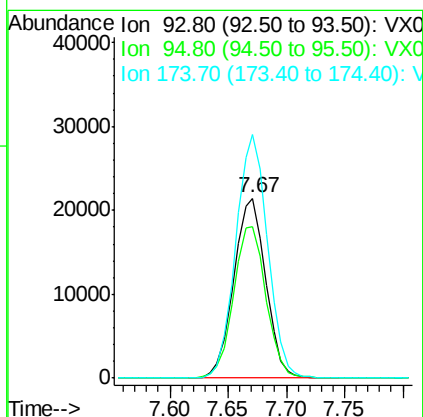
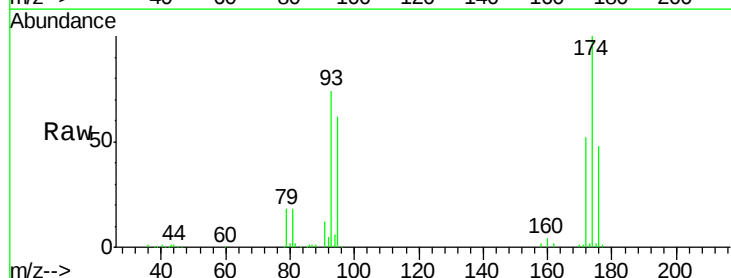
Tgt Ion: 93 Resp: 41211

Ion Ratio Lower Upper

93 100

95 85.2 65.9 98.9

174 134.6 106.2 159.2





#47

Bromodichloromethane

Concen: 21.97 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VX001916.D

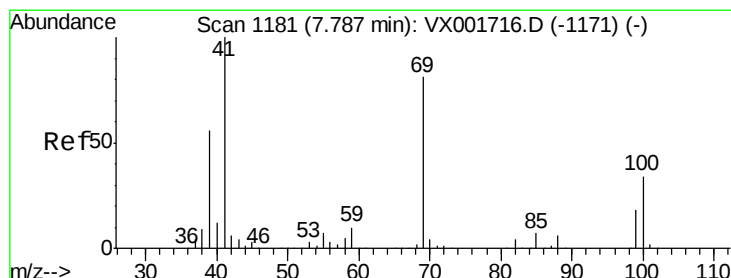
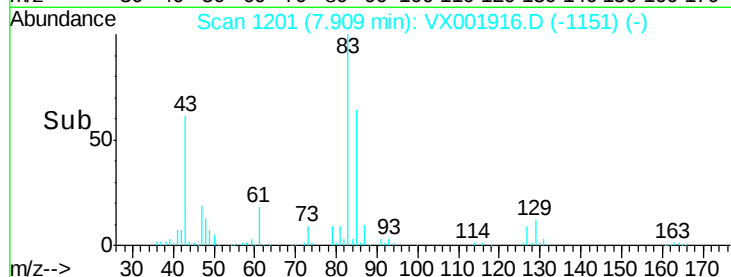
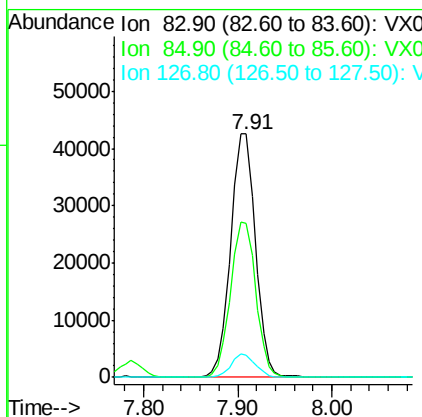
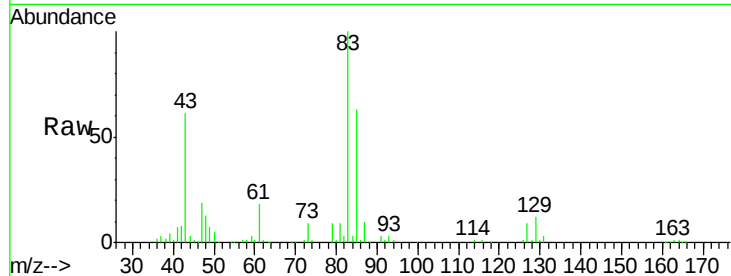
Acq: 23 May 2018 01:52

Tot Ion:	83	Resp:	78230
Ion Ratio	Lower	Upper	
83	100		
85	63.5	49.6	74.4
127	9.3	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBS02

Manual Integrations
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#48

Methyl methacrylate

Concen: 23.25 ug/l

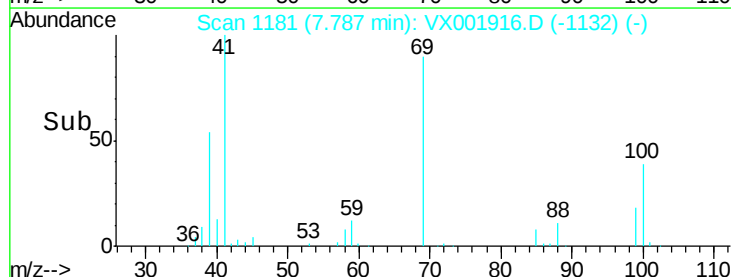
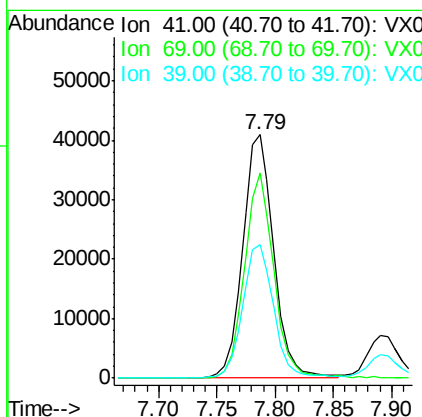
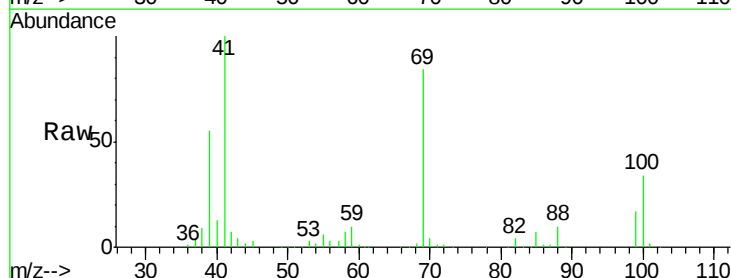
RT: 7.79 min Scan# 1181

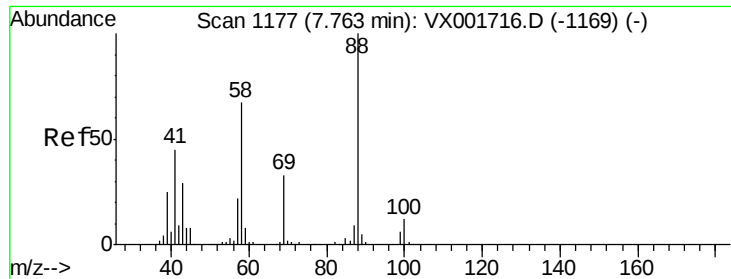
Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Tgt Ion:	41	Resp:	75431
Ion Ratio	Lower	Upper	
41	100		
69	80.0	65.2	97.8
39	54.6	44.5	66.7





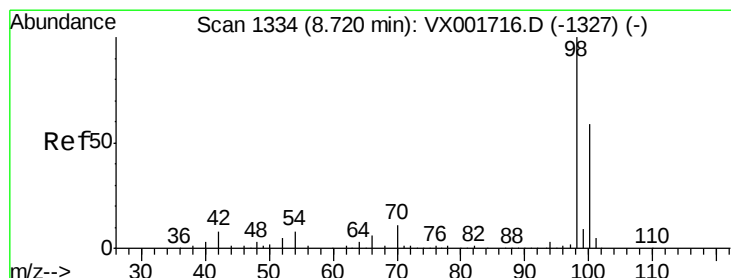
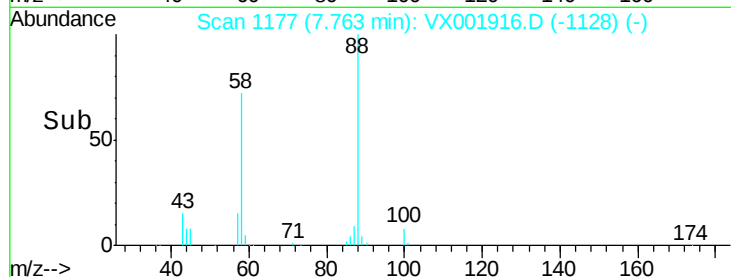
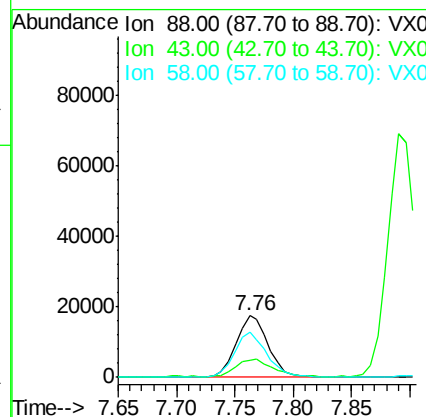
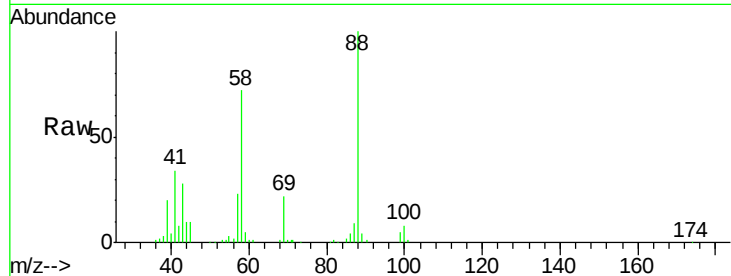
#49
1,4-Dioxane
Concen: 536.80 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.8	27.3	40.9
58	73.9	55.9	83.9

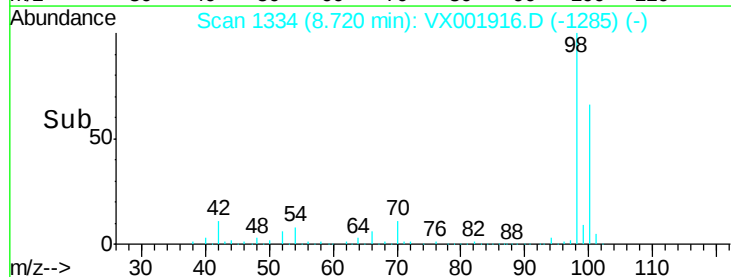
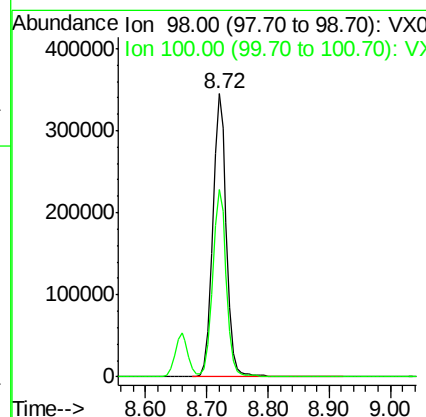
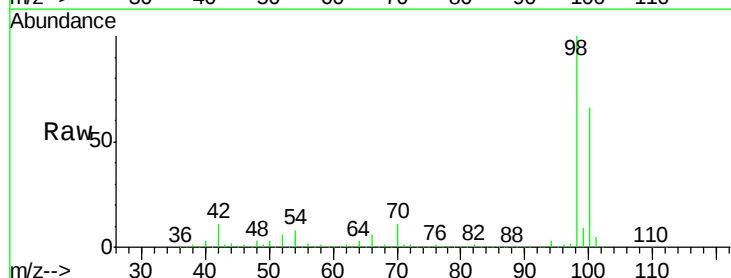
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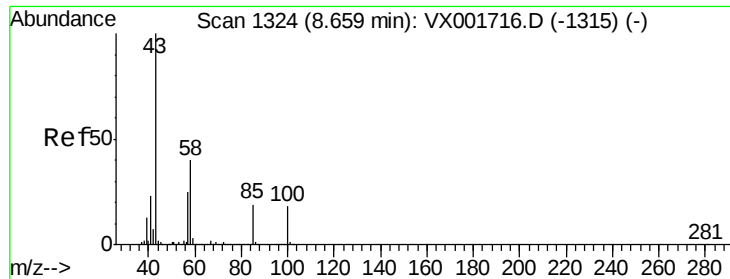
MMDadoda
5/24/2018 11:47:48 AM



#50
Toluene-d8
Concen: 54.66 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.8	54.0	81.0





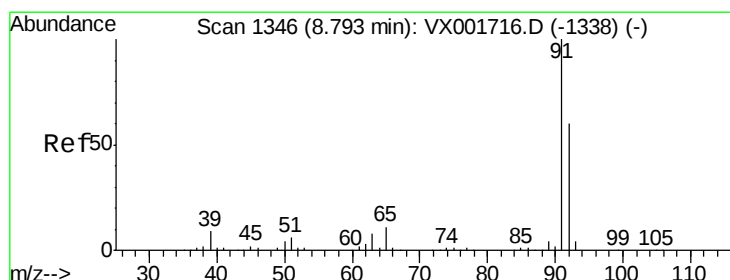
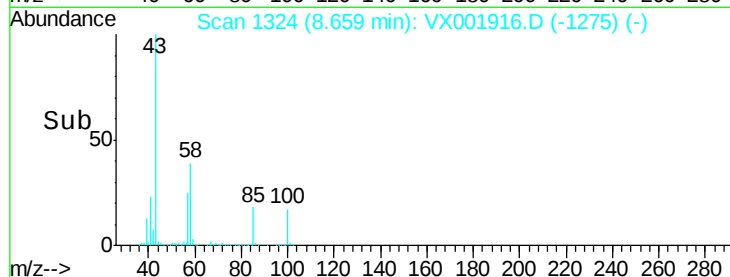
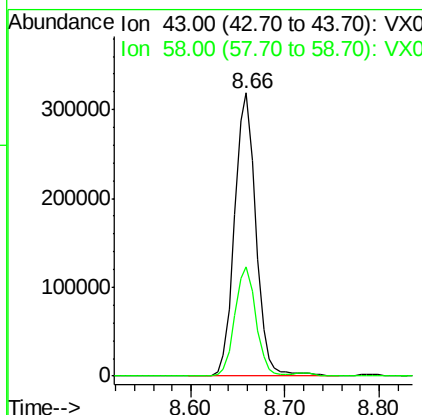
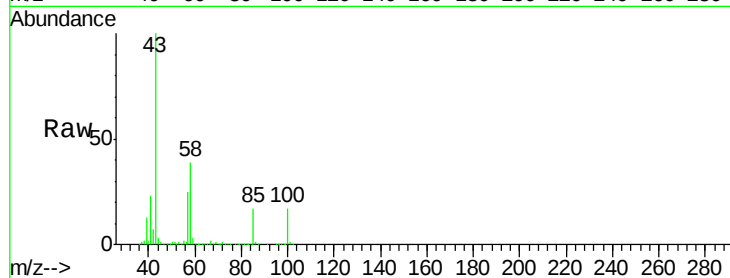
#51
4-Methyl-2-Pentanone
Concen: 128.76 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.0	31.4	47.0

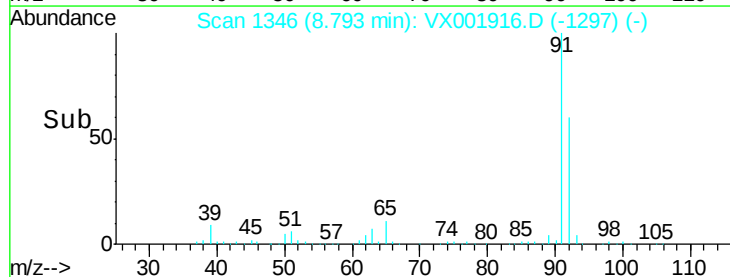
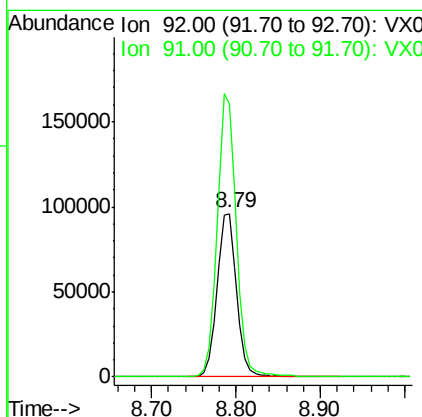
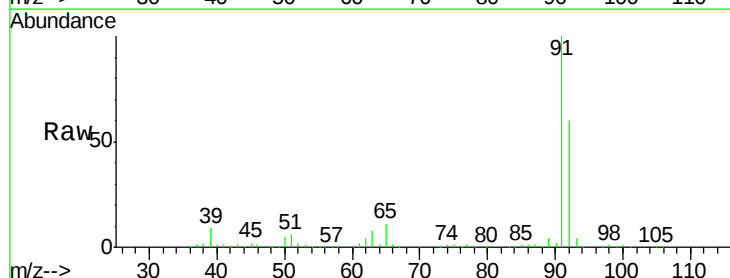
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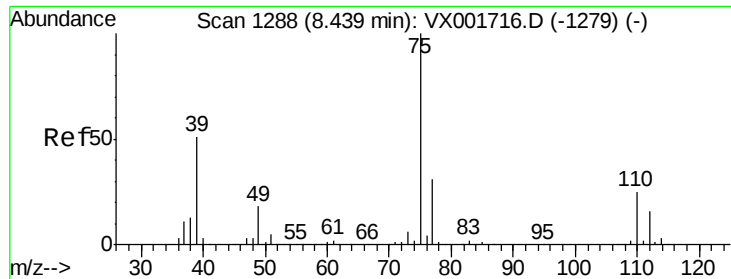
MMDadoda
5/24/2018 11:47:48 AM



#52
Toluene
Concen: 21.61 ug/l
RT: 8.79 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.1	135.5	203.3





#53

t-1,3-Dichloropropene

Concen: 20.45 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBS02

Tot Ion: 75 Resp: 85652

Ion Ratio Lower Upper

75 100

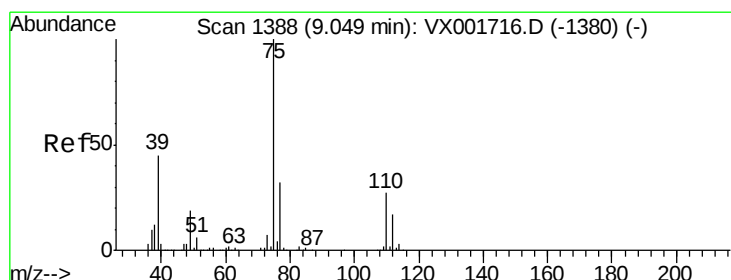
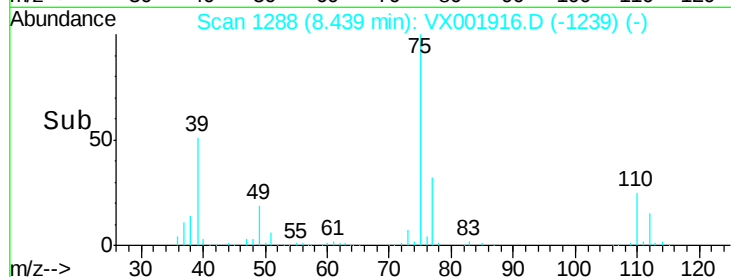
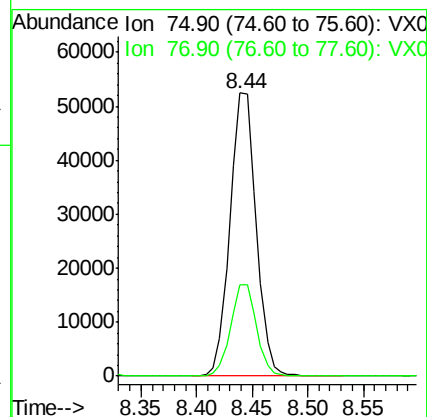
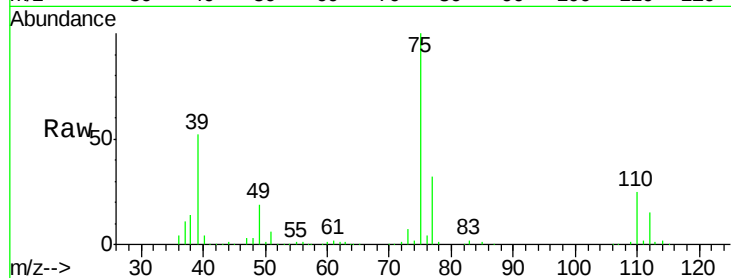
77 32.2 25.0 37.6

Manual Integrations

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5/24/2018 11:47:48 AM



#54

cis-1,3-Dichloropropene

Concen: 20.33 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

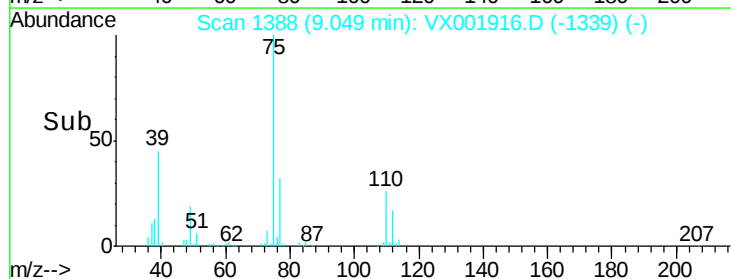
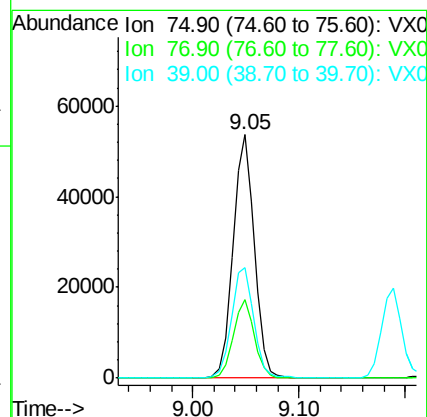
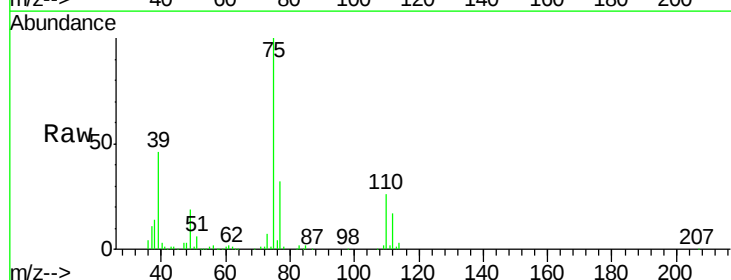
Tgt Ion: 75 Resp: 75077

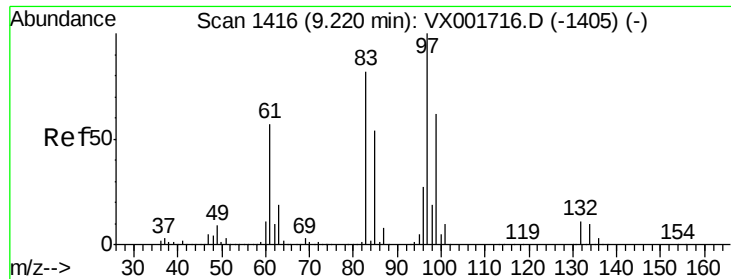
Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.2

39 45.4 36.1 54.1





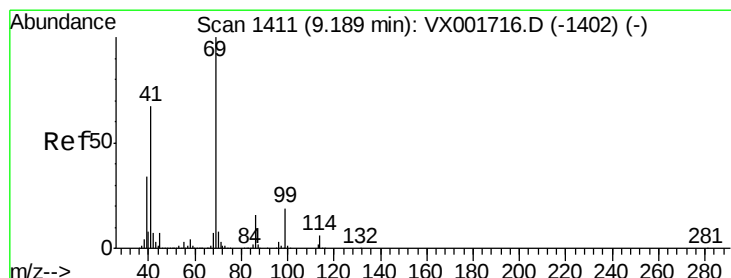
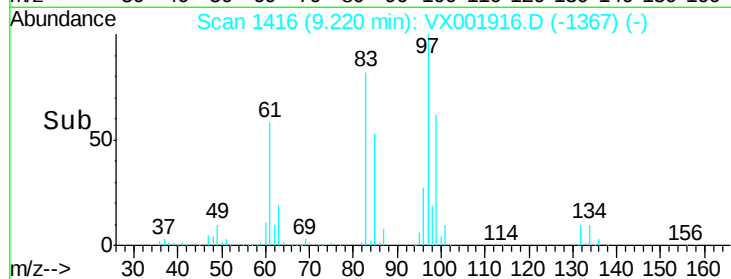
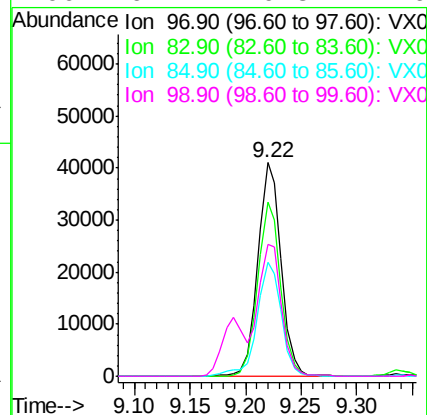
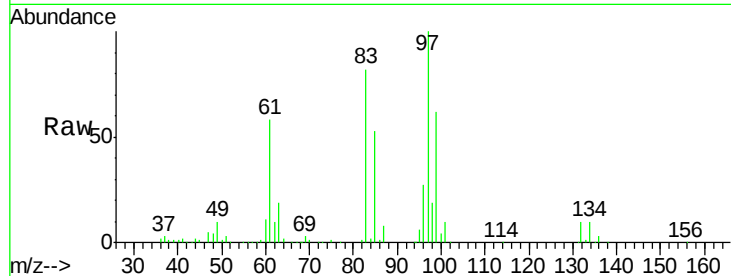
#55
 1,1,2-Trichloroethane
 Concen: 21.78 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001916.D
 Acq: 23 May 2018 01:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBS02

Tot Ion	Ratio	Lower	Upper
97	100		
83	81.8	65.8	98.8
85	53.1	43.4	65.0
99	61.7	49.8	74.6

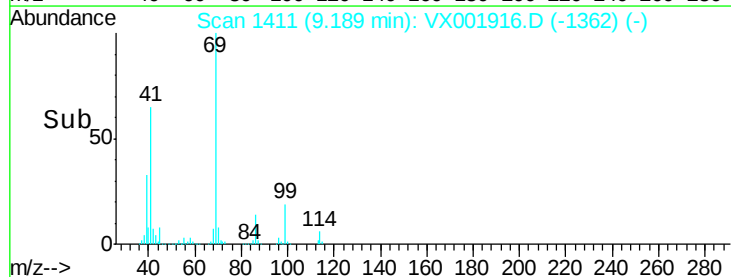
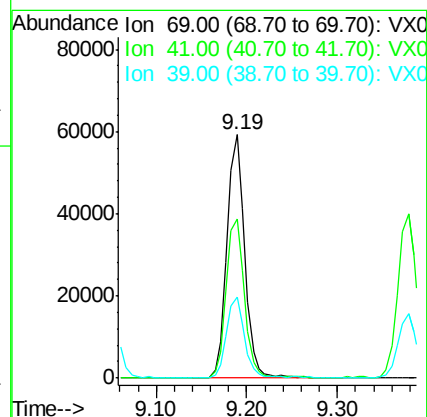
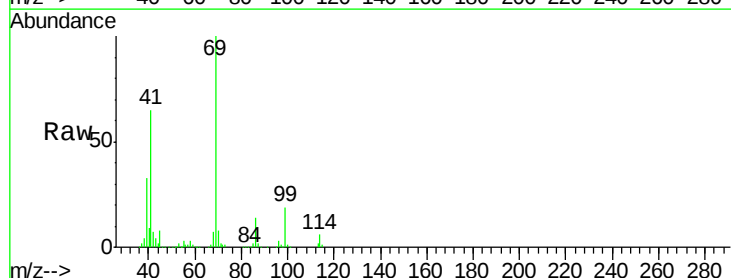
Manual Integrations
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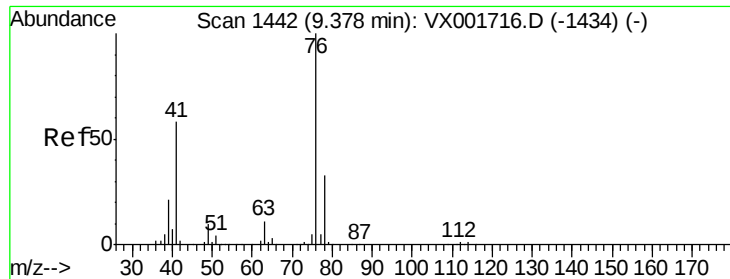
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#56
 Ethyl methacrylate
 Concen: 20.95 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX001916.D
 Acq: 23 May 2018 01:52

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.4	53.5	80.3
39	33.4	27.2	40.8





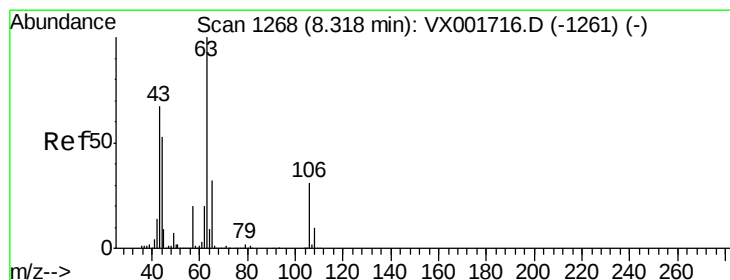
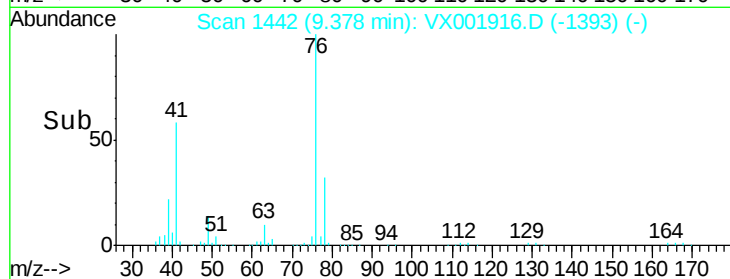
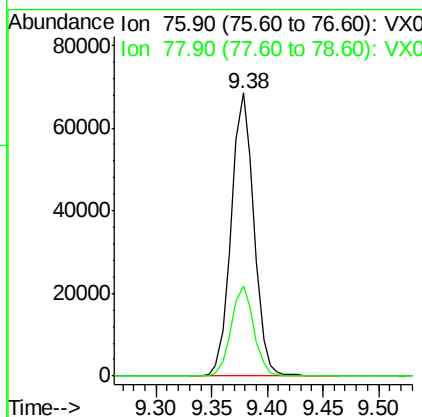
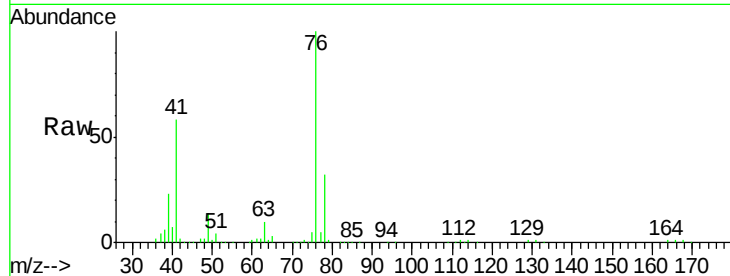
#57
 1,3-Dichloropropane
 Concen: 21.11 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX001916.D
 Acq: 23 May 2018 01:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBS02

Tot Ion: 76 Resp: 96682
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.6

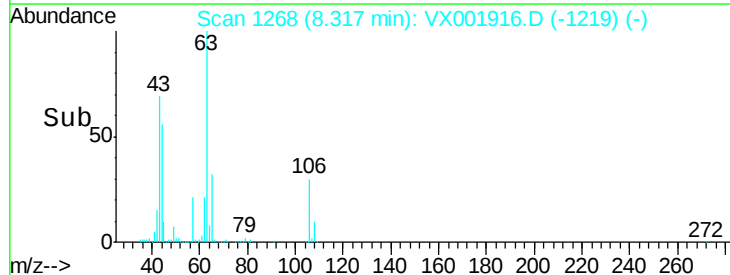
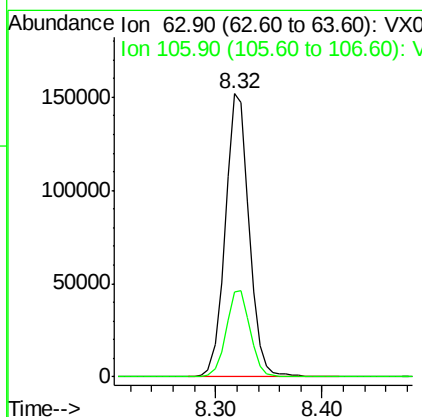
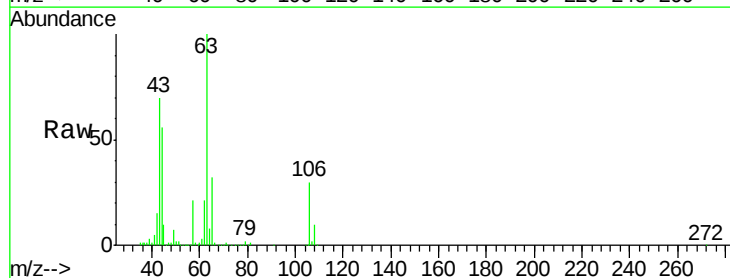
Manual Integrations
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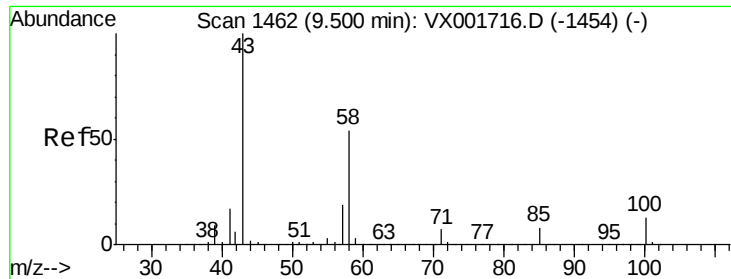
MMDadoda
 5/24/2018 11:47:48 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 118.87 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX001916.D
 Acq: 23 May 2018 01:52

Tgt Ion: 63 Resp: 237173
 Ion Ratio Lower Upper
 63 100
 106 31.1 25.1 37.7





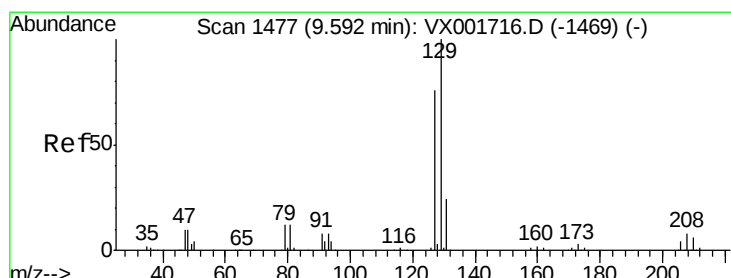
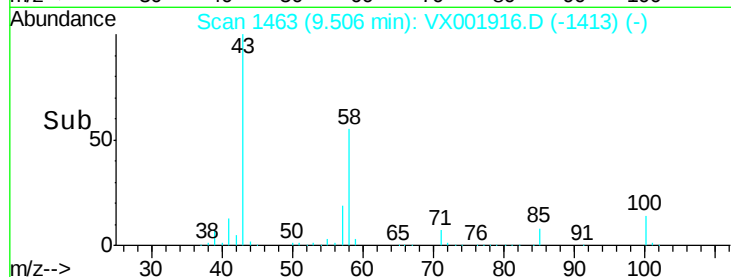
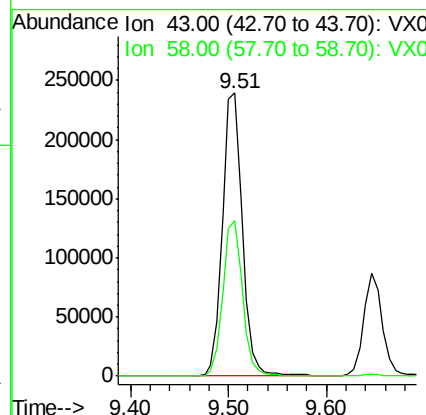
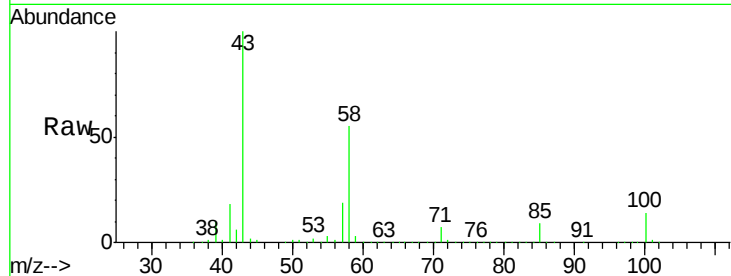
#59
2-Hexanone
Concen: 121.34 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.01 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBS02

Tot Ion: 43 Resp: 339341
Ion Ratio Lower Upper
43 100
58 54.5 27.7 83.1

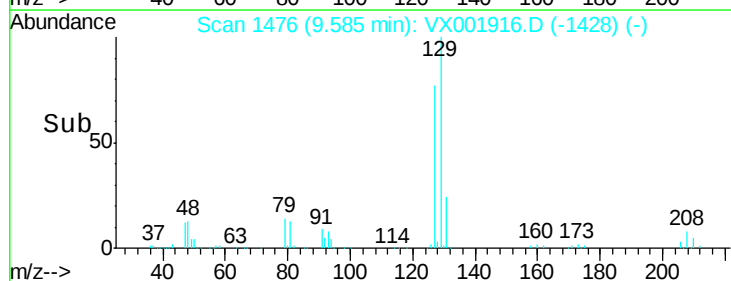
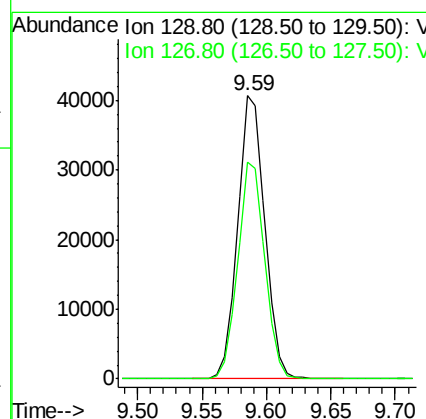
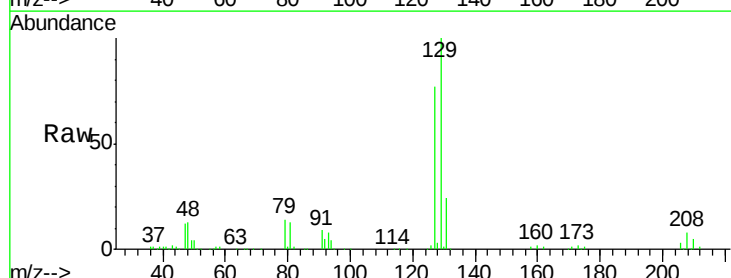
Manual Integrations
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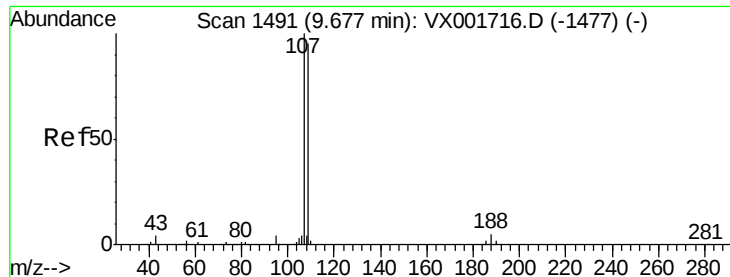
MMDadoda
5/24/2018 11:47:48 AM



#60
Dibromochloromethane
Concen: 21.28 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Tgt Ion: 129 Resp: 59606
Ion Ratio Lower Upper
129 100
127 76.3 38.7 116.1





#61

1,2-Dibromoethane

Concen: 21.12 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBS02

Tot Ion:107 Resp: 60462

Ion Ratio Lower Upper

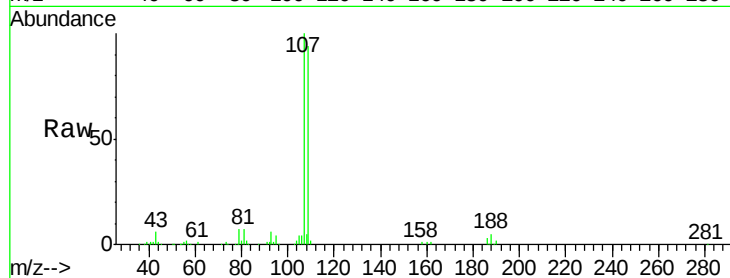
107 100

109 94.1 76.2 114.2

Manual Integrations
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MMDadoda

5/24/2018 11:47:48 AM

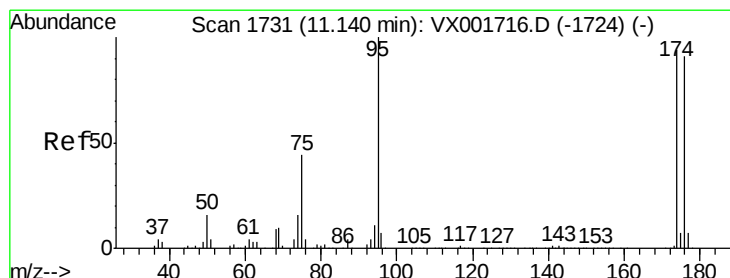
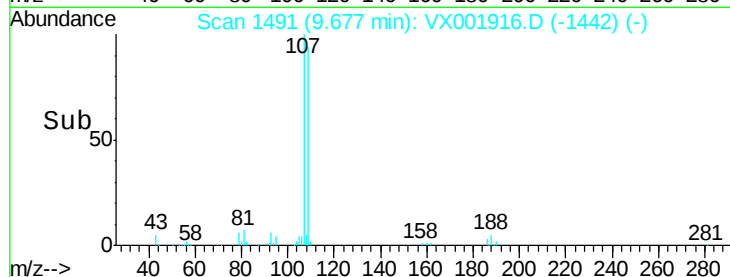


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

Time-->



#62

4-Bromofluorobenzene

Concen: 49.45 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

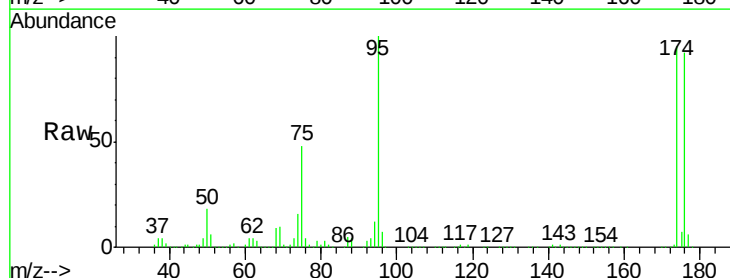
Tgt Ion: 95 Resp: 176674

Ion Ratio Lower Upper

95 100

174 102.8 0.0 201.8

176 99.7 0.0 196.8



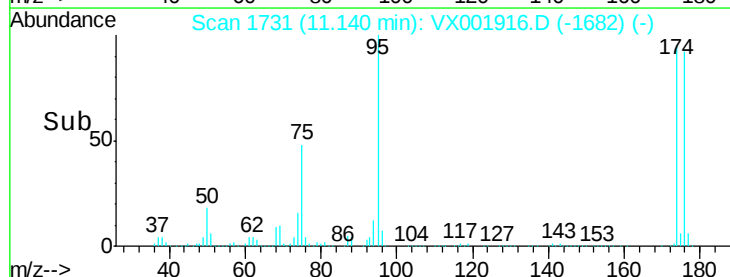
Abundance Ion 94.90 (94.60 to 95.60): VX0

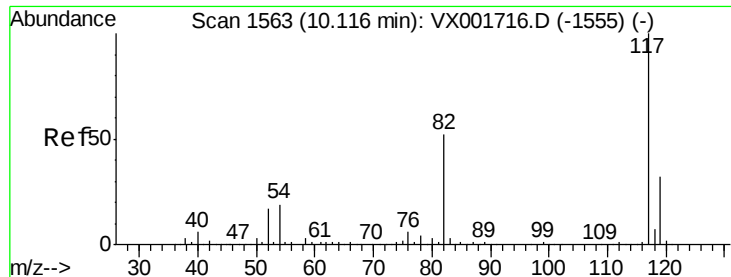
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

Time-->





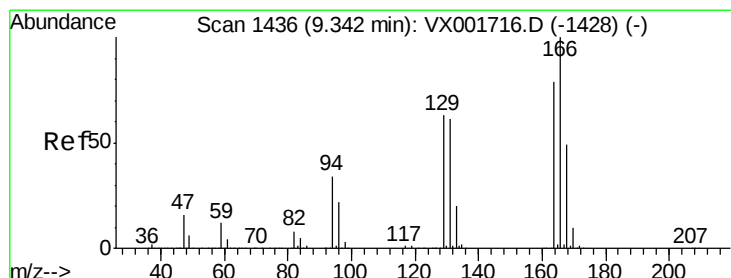
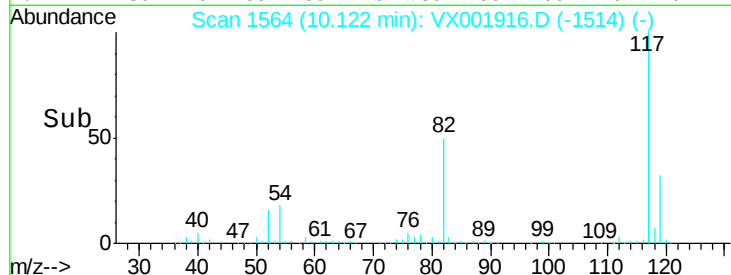
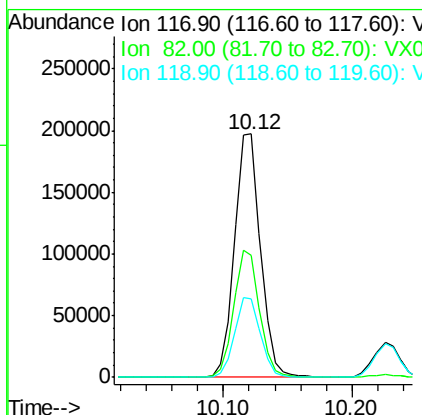
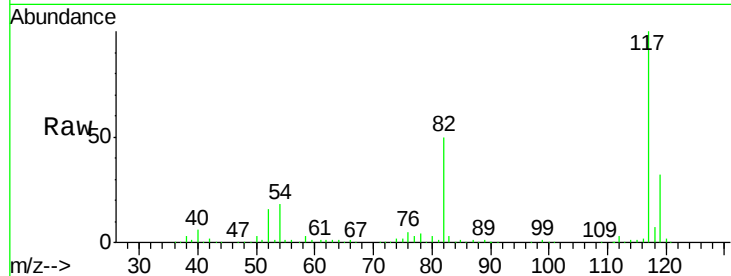
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Instrument :
MSVOA_X
ClientSampled :
VX0522WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.2	41.4	62.2
119	32.4	25.6	38.4

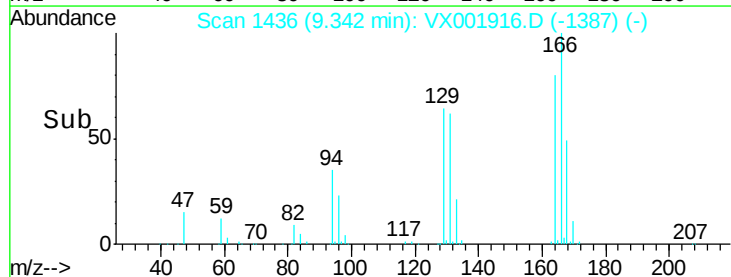
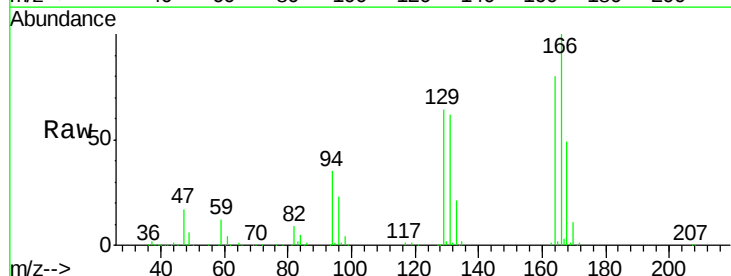
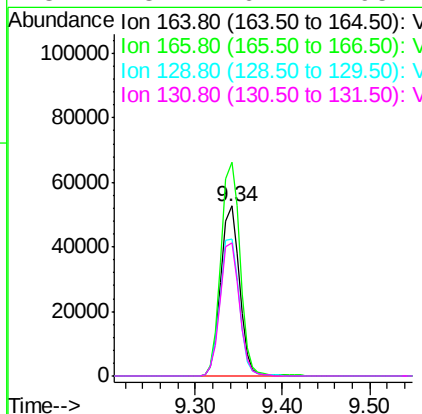
Manual Integrations
APPROVED

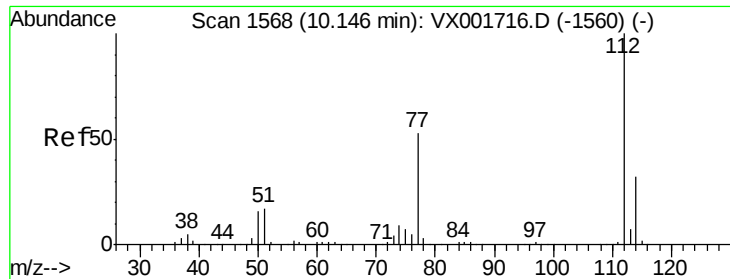
MMDadoda
5/24/2018 11:47:48 AM



#64
Tetrachloroethene
Concen: 21.65 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	101.8	152.8
129	80.8	63.8	95.6
131	78.4	62.2	93.2





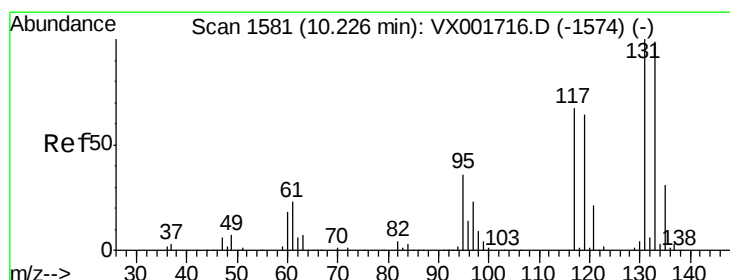
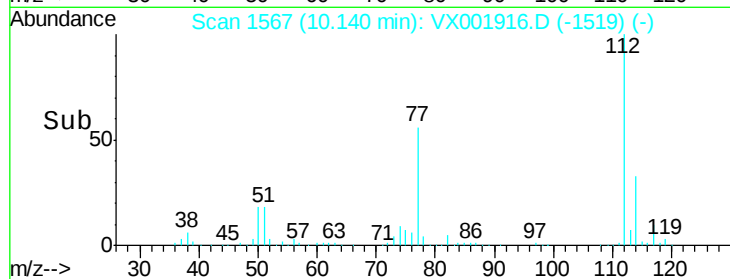
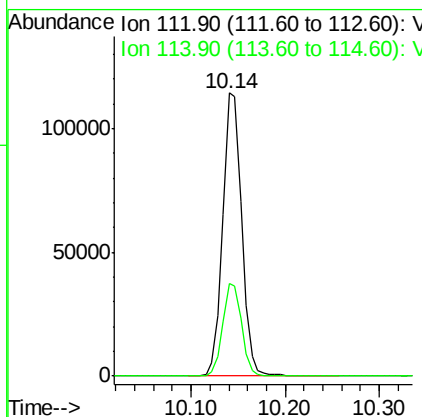
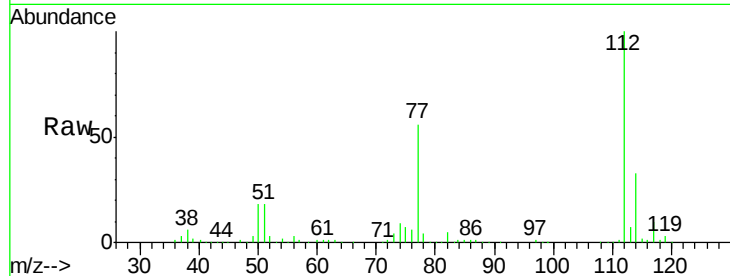
#65
Chlorobenzene
Concen: 20.97 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBS02

Tot Ion:112 Resp: 160207
Ion Ratio Lower Upper
112 100
114 32.6 25.6 38.4

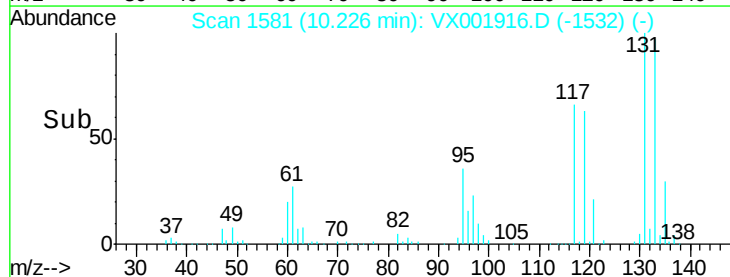
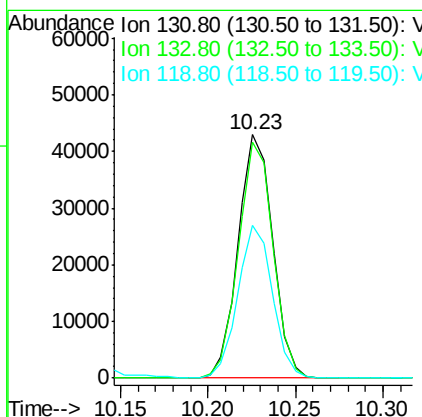
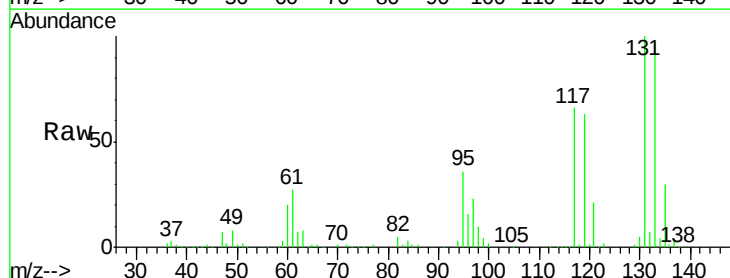
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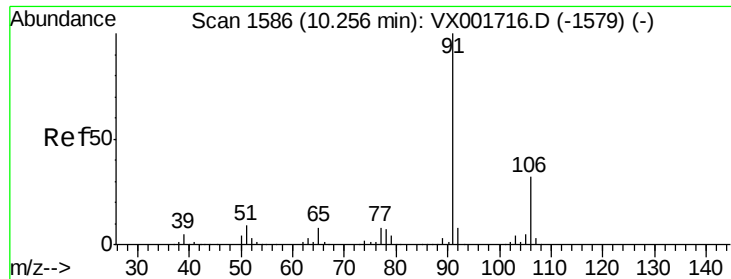
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.92 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Tgt Ion:131 Resp: 59161
Ion Ratio Lower Upper
131 100
133 97.0 48.5 145.6
119 62.8 31.9 95.5





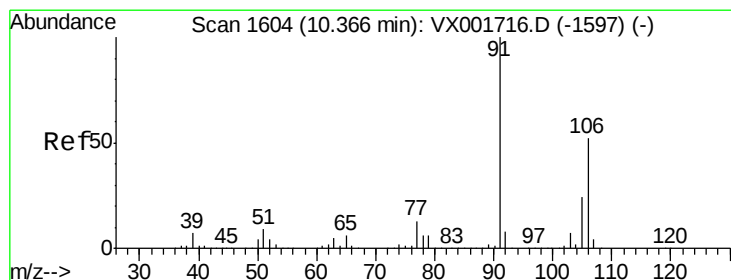
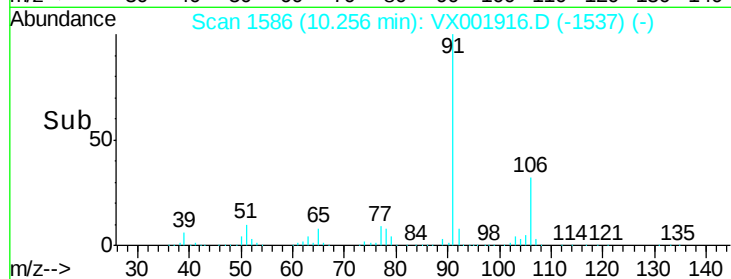
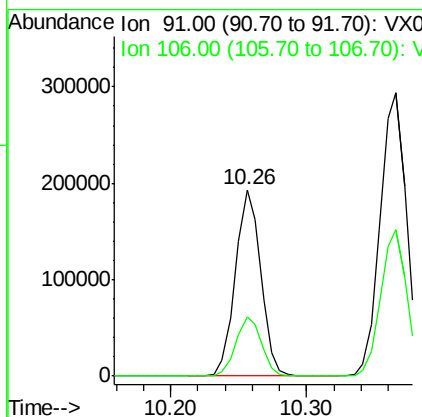
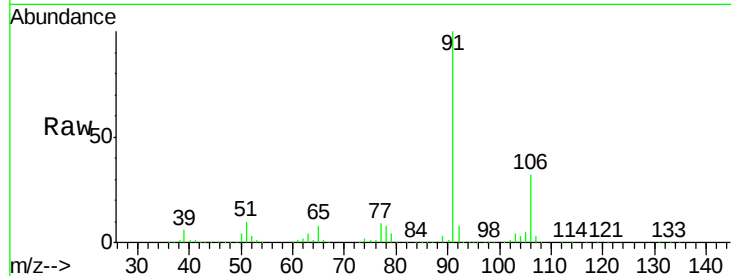
#67
Ethyl Benzene
Concen: 20.60 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBS02

Tot Ion: 91 Resp: 251517
Ion Ratio Lower Upper
91 100
106 32.1 25.7 38.5

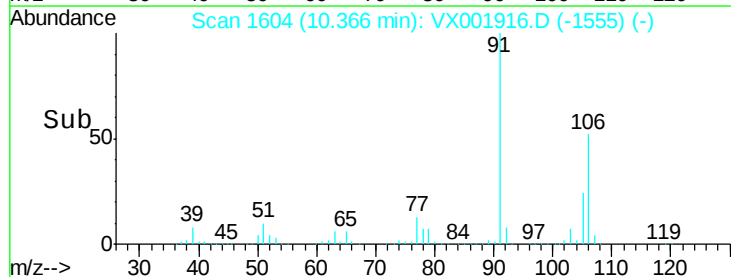
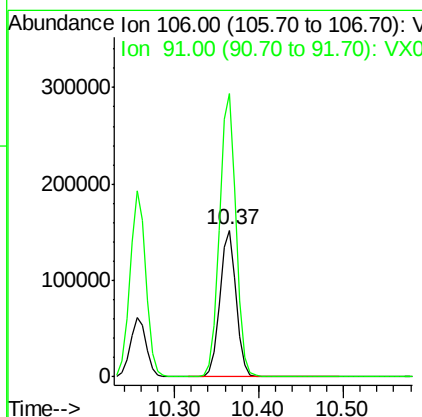
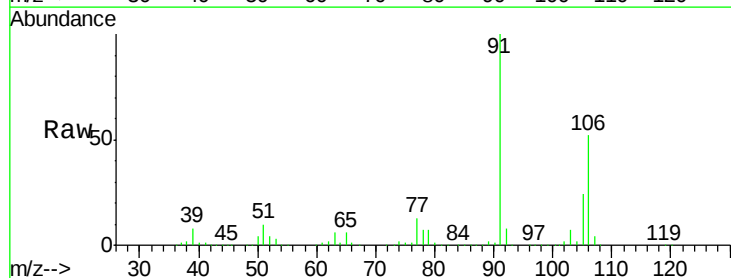
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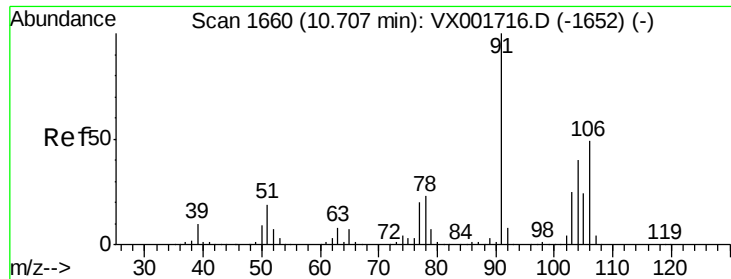
MMDadoda
5/24/2018 11:47:48 AM



#68
m/p-Xylenes
Concen: 42.29 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Tgt Ion: 106 Resp: 203750
Ion Ratio Lower Upper
106 100
91 195.3 155.4 233.2





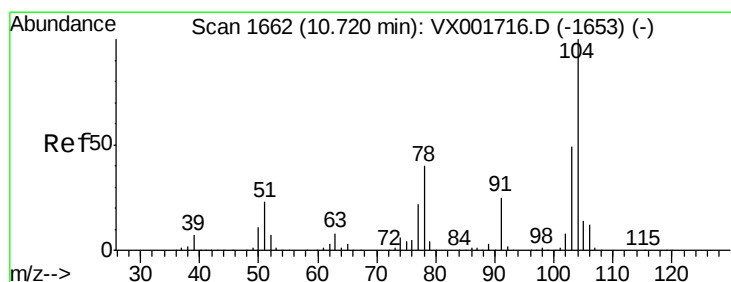
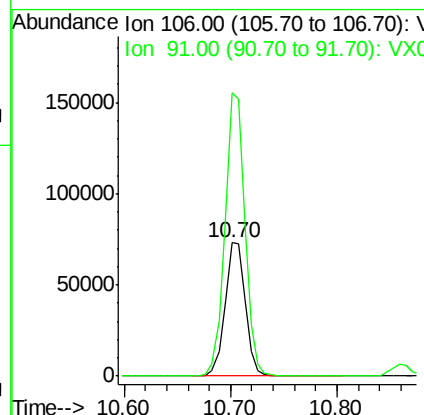
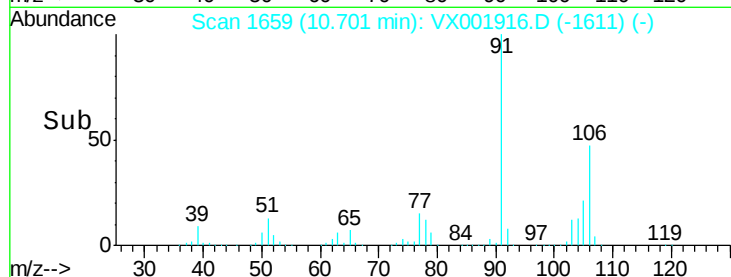
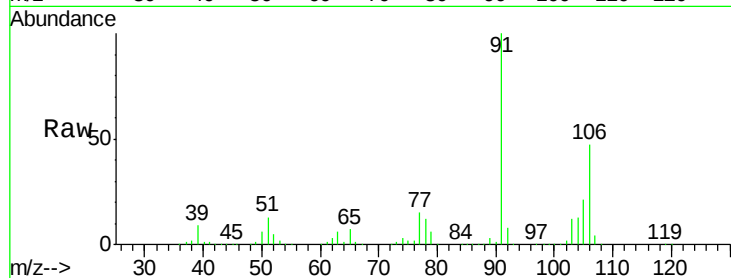
#69
o-Xylene
Concen: 21.12 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBS02

Tot Ion:106 Resp: 97442
Ion Ratio Lower Upper
106 100
91 209.5 103.4 310.2

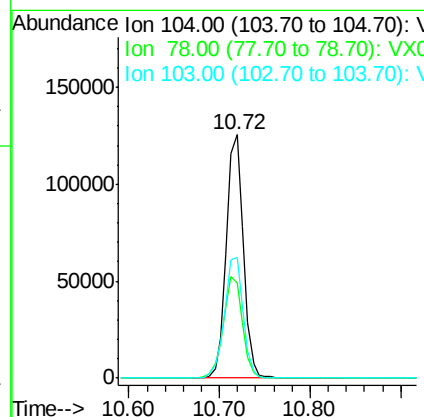
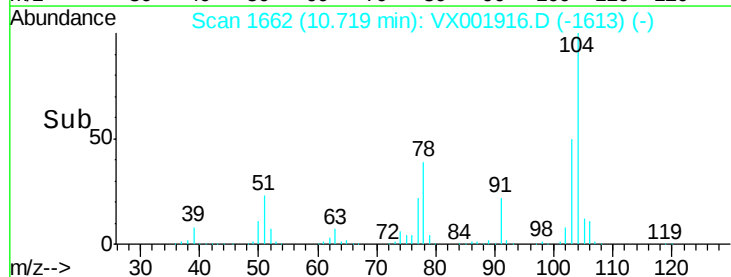
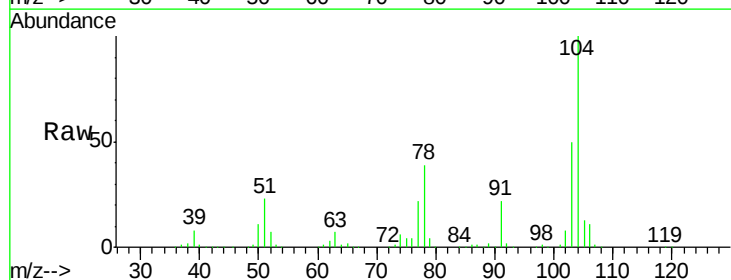
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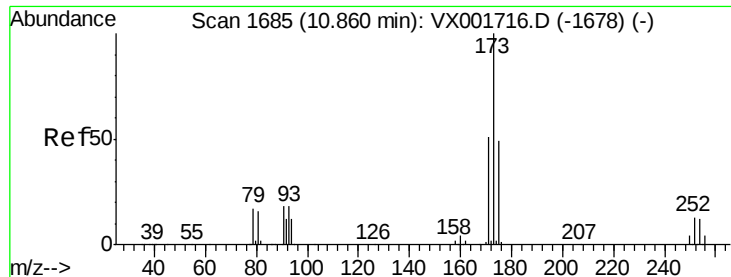
MMDadoda
5/24/2018 11:47:48 AM



#70
Styrene
Concen: 21.75 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Tgt Ion:104 Resp: 165547
Ion Ratio Lower Upper
104 100
78 46.9 37.3 55.9
103 54.4 43.7 65.5





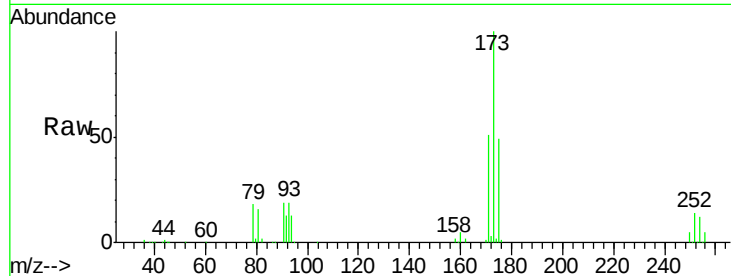
#71
Bromoform
Concen: 20.65 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBS02

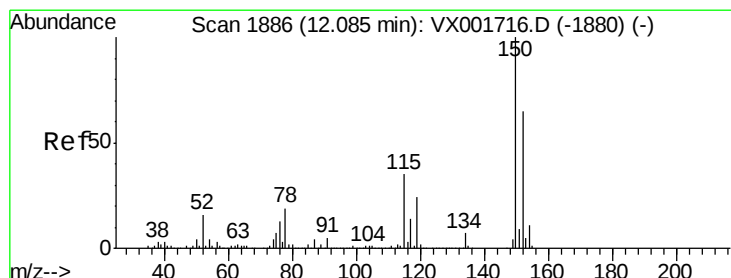
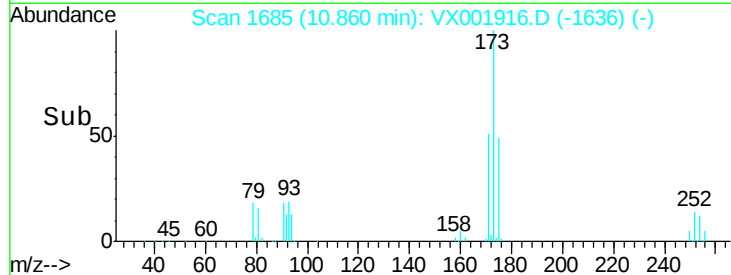
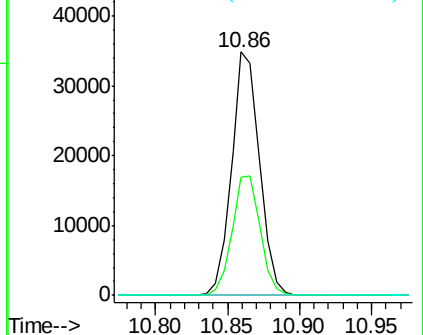
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.3	72.8
254	0.1	0.2	0.2#

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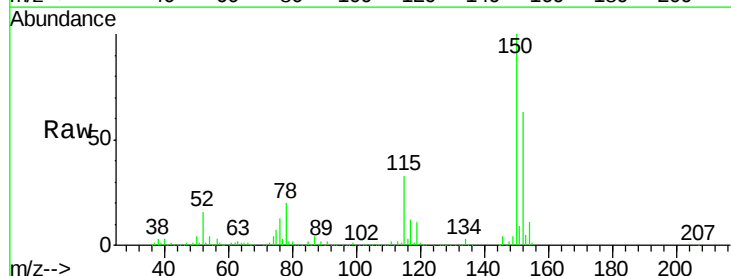


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

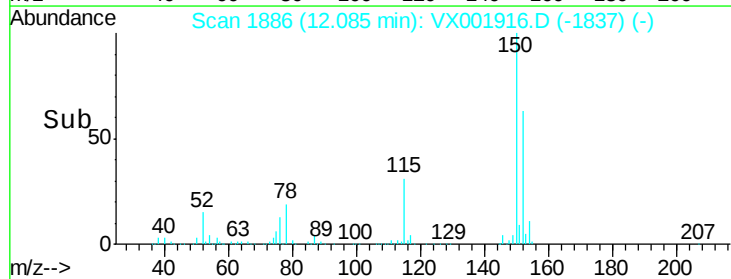
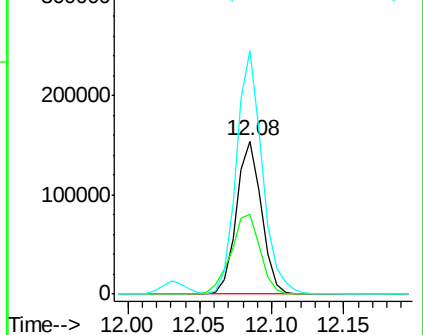


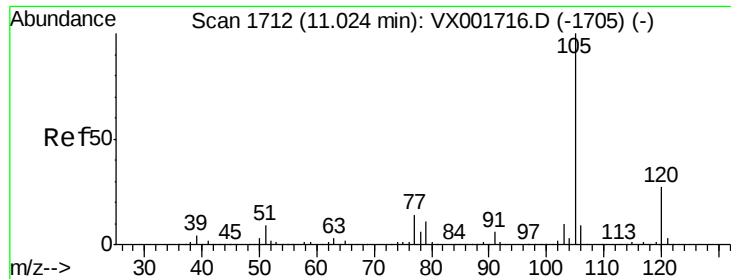
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.3	37.4	112.2
150	164.6	0.0	344.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.86 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBS02

Tot Ion: 105 Resp: 268005

Ion Ratio Lower Upper

105 100

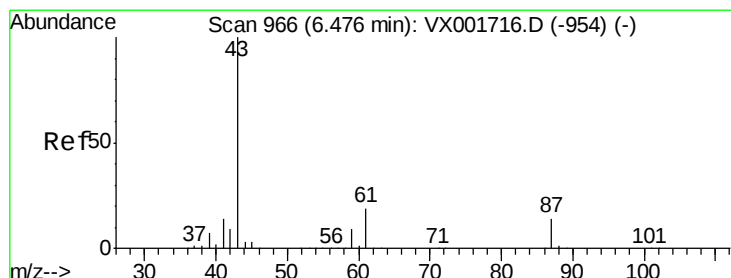
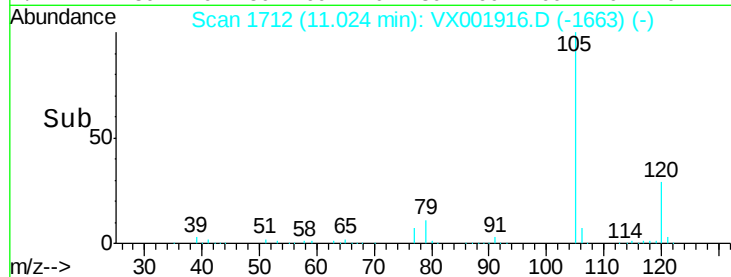
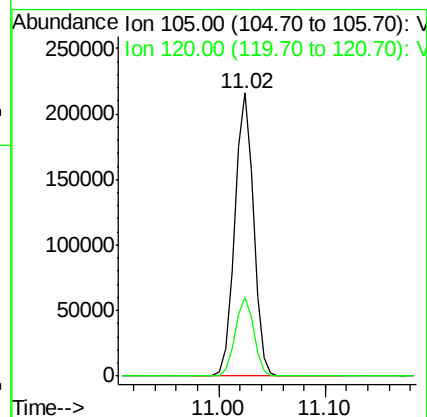
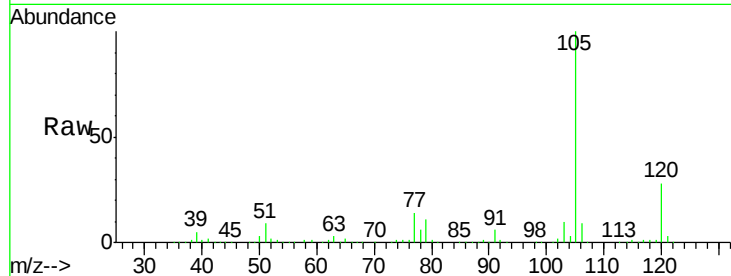
120 27.6 13.8 41.3

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#74

N-ethyl acetate

Concen: 23.83 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Tgt Ion: 43 Resp: 140089

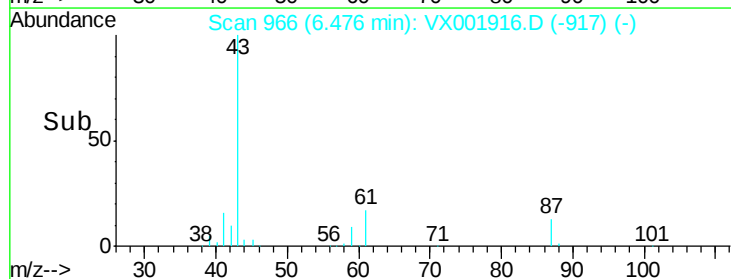
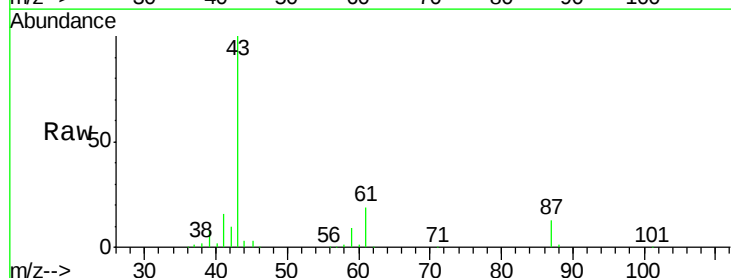
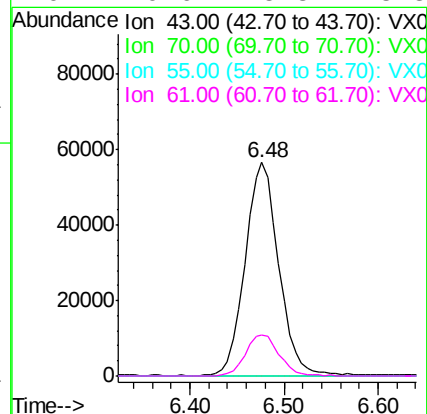
Ion Ratio Lower Upper

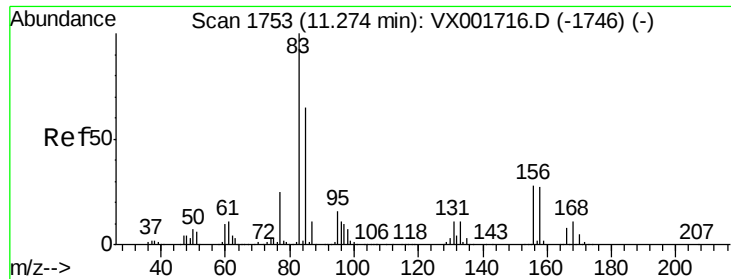
43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 19.6 15.8 23.8





#75

1,1,2,2-Tetrachloroethane

Concen: 23.16 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBS02

Tot Ion: 83 Resp: 85172

Ion Ratio Lower Upper

83 100

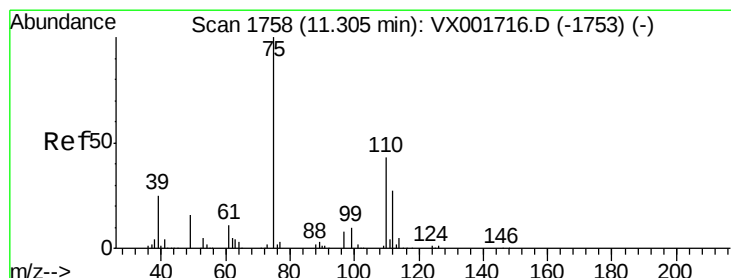
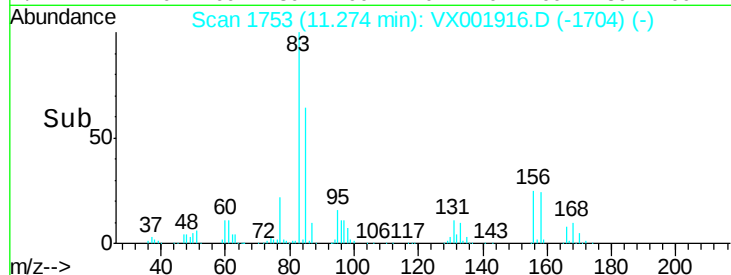
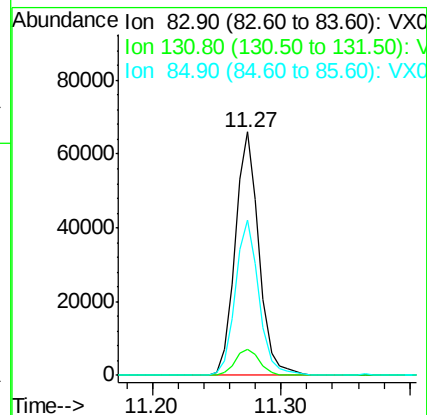
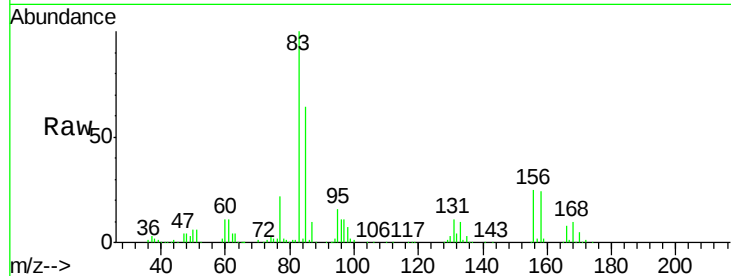
131 11.2 5.7 17.0

85 63.6 32.7 98.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.99 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VX001916.D

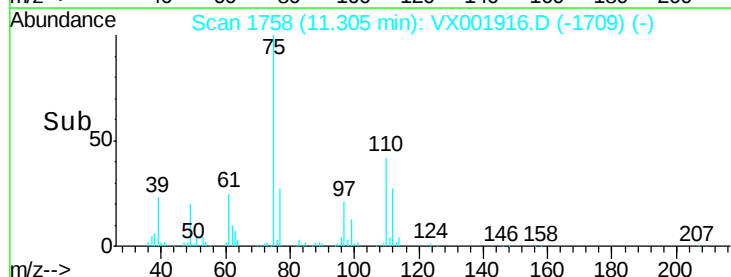
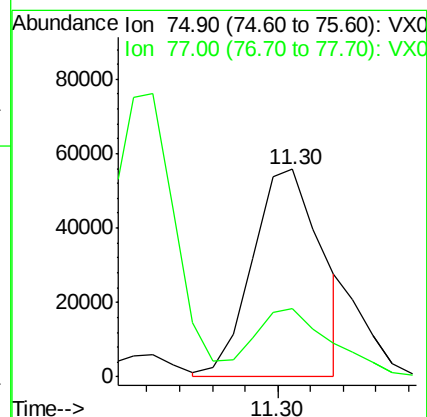
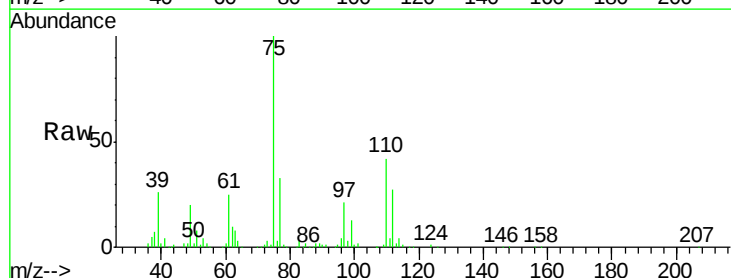
Acq: 23 May 2018 01:52

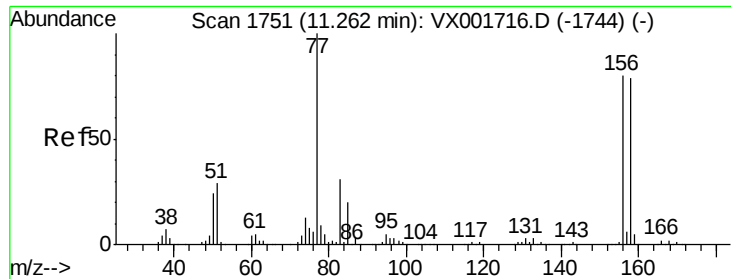
Tgt Ion: 75 Resp: 81412

Ion Ratio Lower Upper

75 100

77 38.2 18.9 56.7





#77

Bromobenzene

Concen: 21.73 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBS02

Tot Ion:156 Resp: 78282

Ion Ratio Lower Upper

156 100

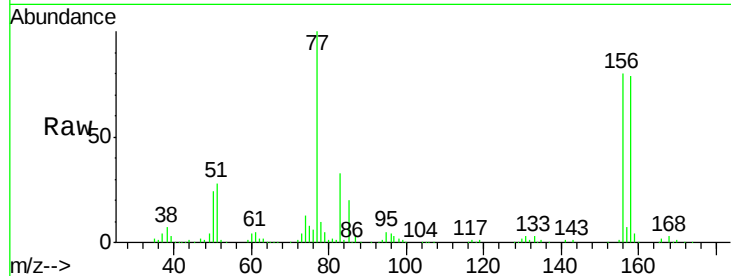
77 130.6 65.3 196.0

158 97.1 49.1 147.3

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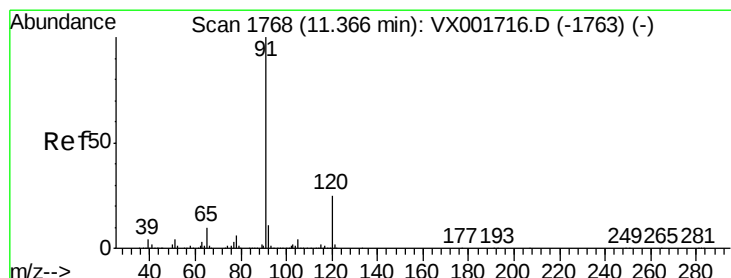
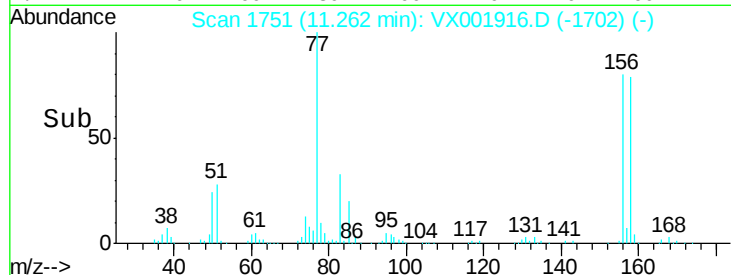
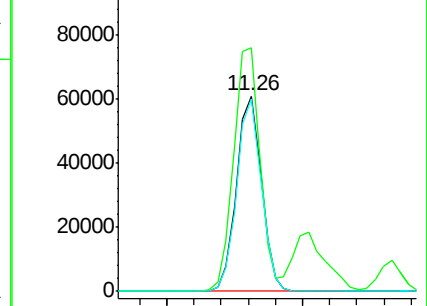
5/24/2018 11:47:48 AM



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: 21.26 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX001916.D

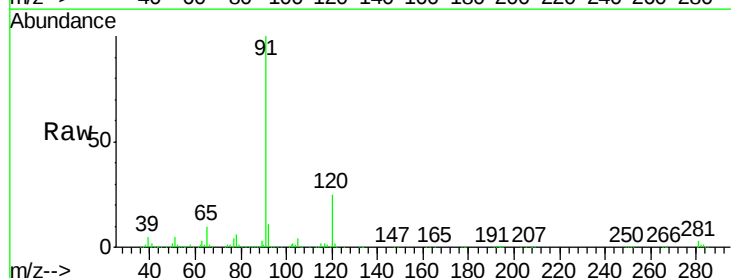
Acq: 23 May 2018 01:52

Tgt Ion: 91 Resp: 293630

Ion Ratio Lower Upper

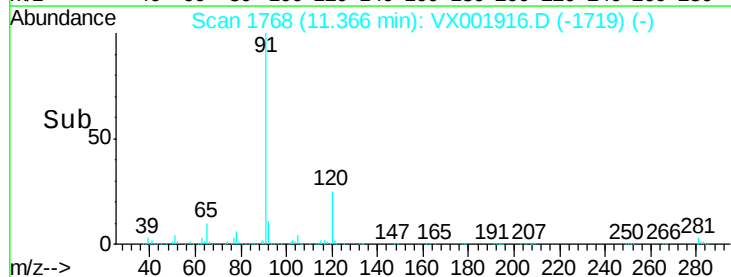
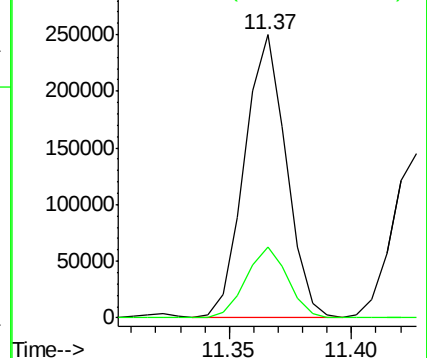
91 100

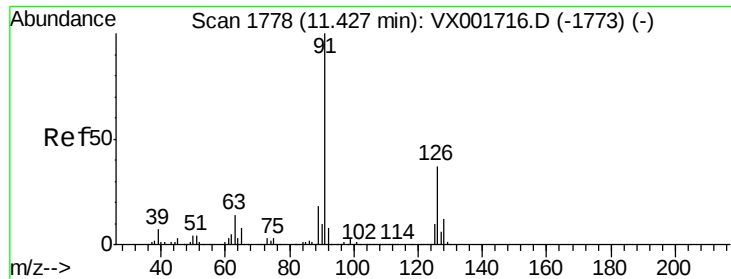
120 25.2 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





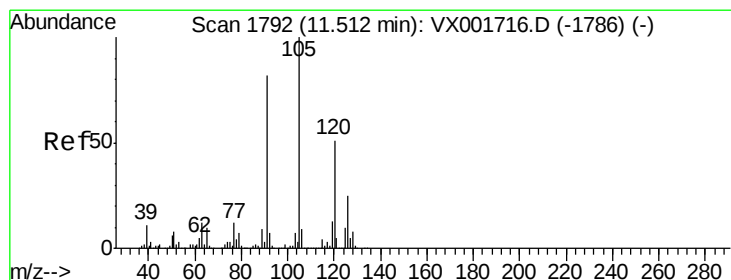
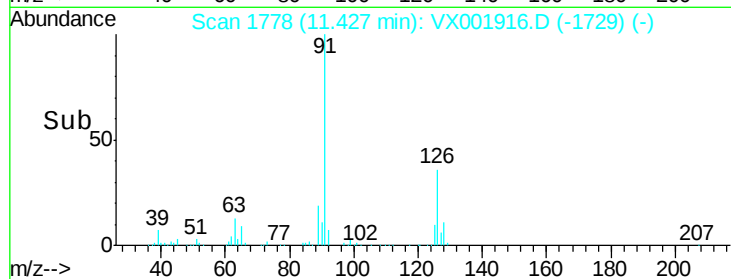
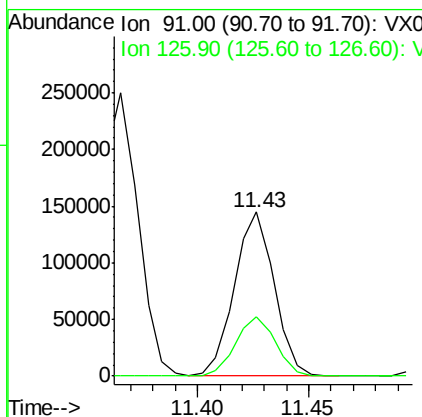
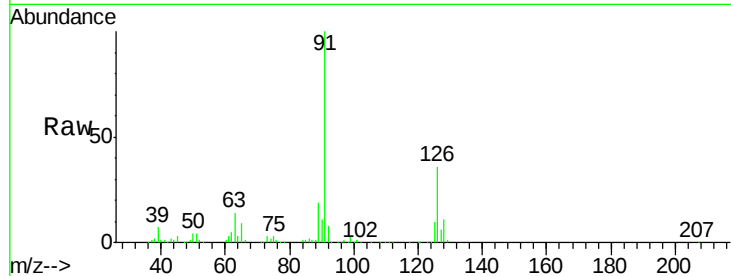
#79
 2-Chlorotoluene
 Concen: 21.74 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VX001916.D
 Acq: 23 May 2018 01:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBS02

Tot Ion: 91 Resp: 179595
 Ion Ratio Lower Upper
 91 100
 126 36.4 18.4 55.4

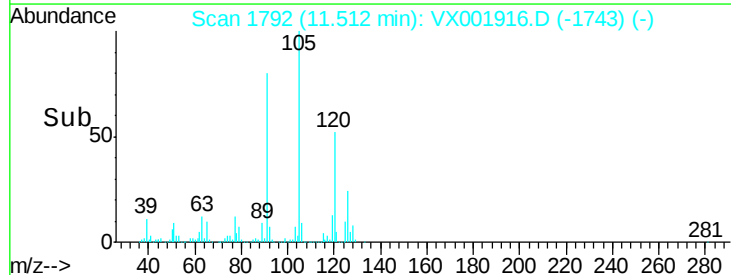
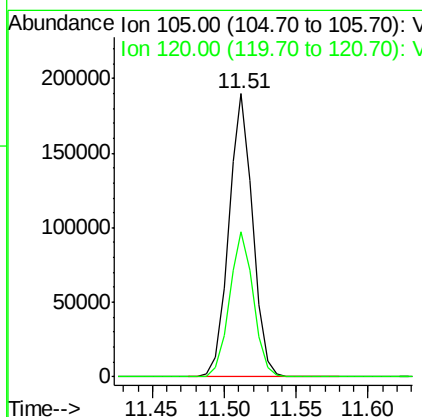
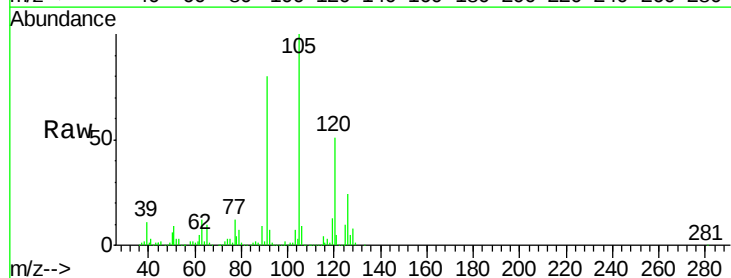
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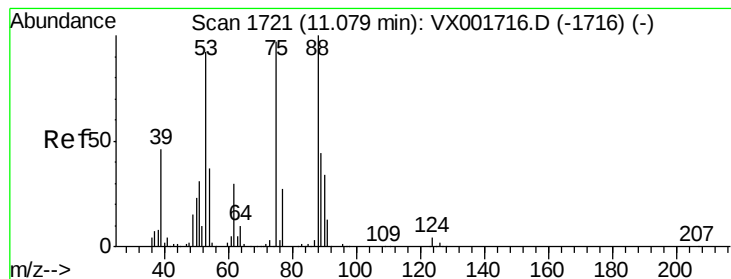
MMDadoda
 5/24/2018 11:47:48 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.97 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX001916.D
 Acq: 23 May 2018 01:52

Tgt Ion: 105 Resp: 221005
 Ion Ratio Lower Upper
 105 100
 120 51.6 25.7 77.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.02 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

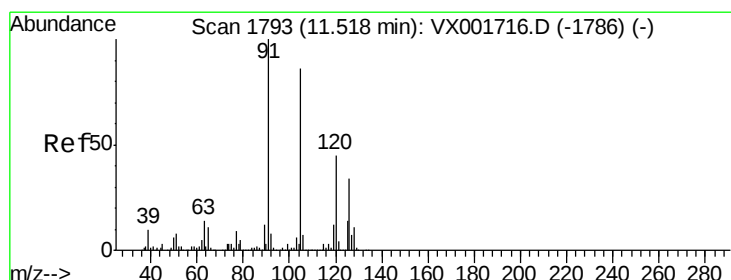
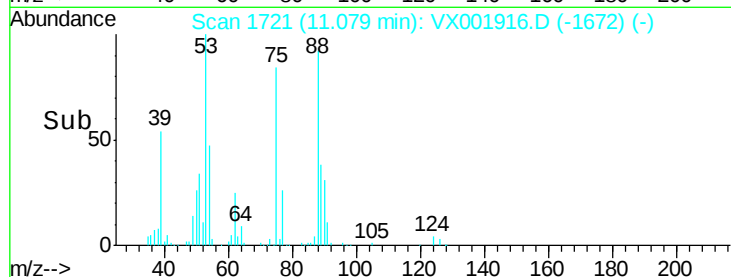
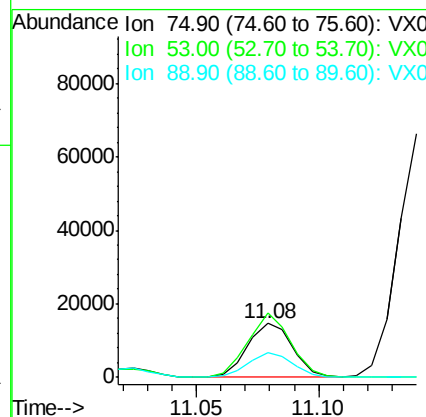
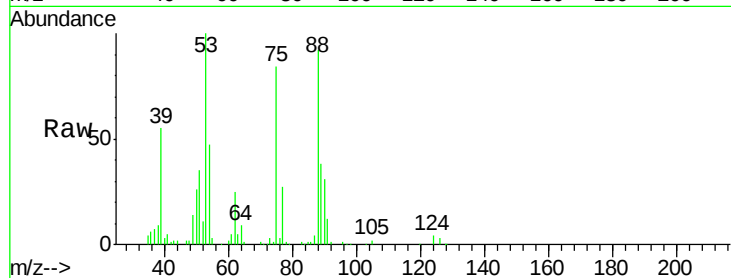
ClientSampleId :

VX0522WBS02

Tot Ion:	75	Resp:	18721
Ion	Ratio	Lower	Upper
75	100		
53	114.5	79.4	119.2
89	46.0	38.8	58.2

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#82

4-Chlorotoluene

Concen: 21.34 ug/l

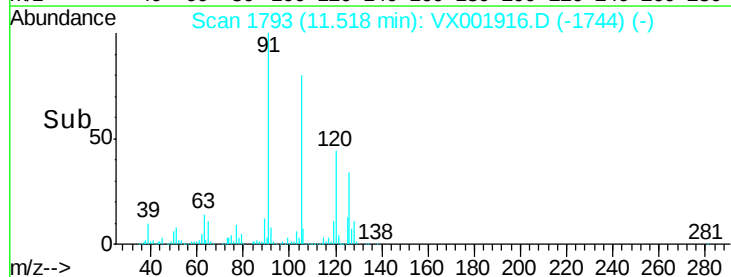
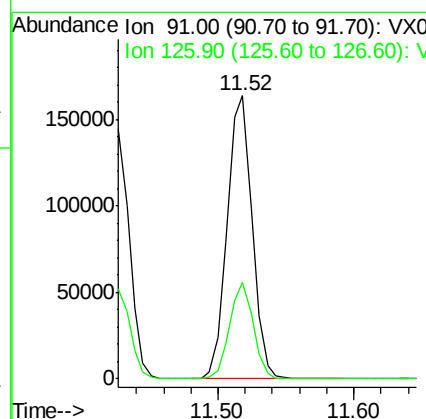
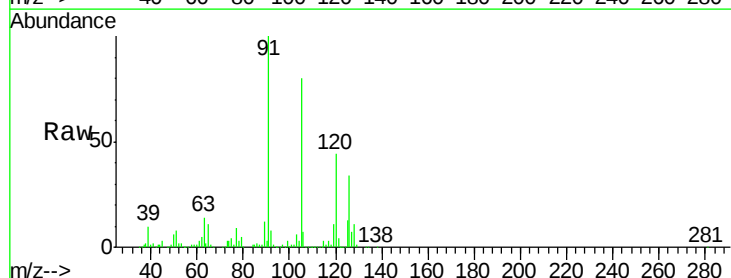
RT: 11.52 min Scan# 1793

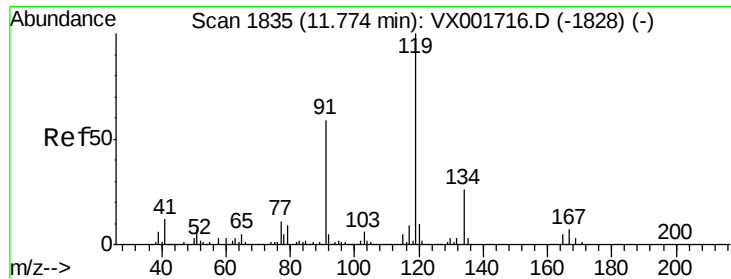
Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Tgt Ion:	91	Resp:	207750
Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.1





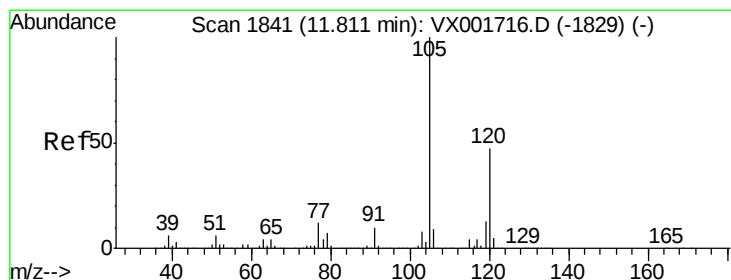
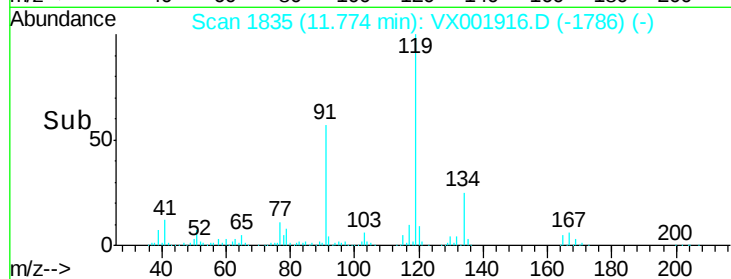
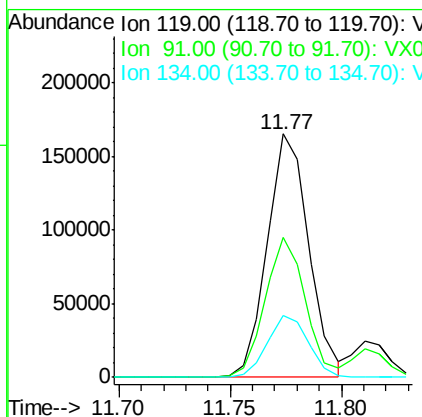
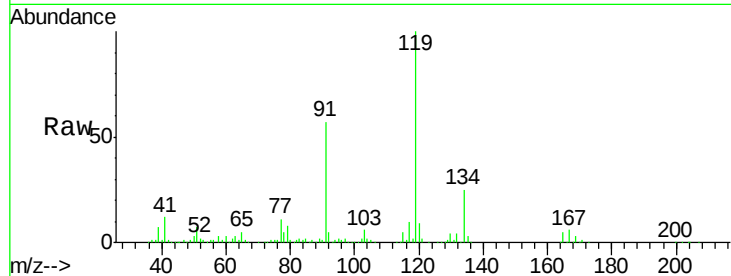
#83
 tert-Butylbenzene
 Concen: 21.33 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX001916.D
 Acq: 23 May 2018 01:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	213536		
91	55.7		27.7	83.0
134	25.4		12.7	38.1

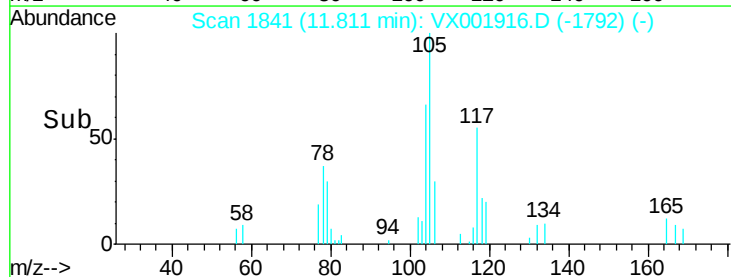
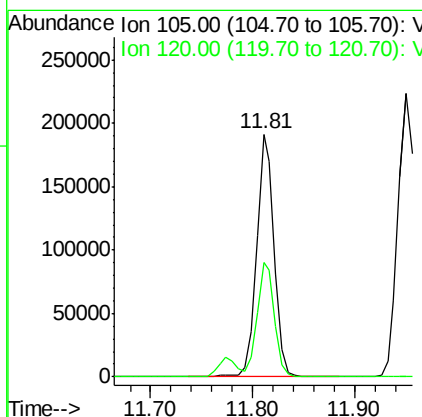
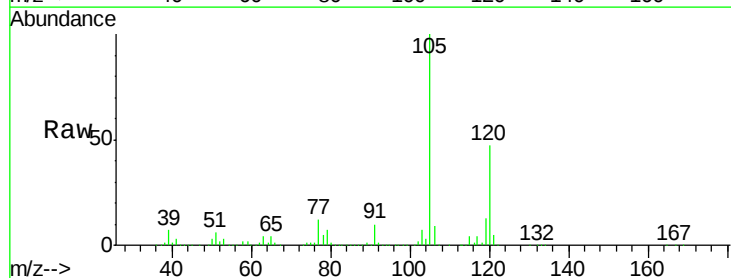
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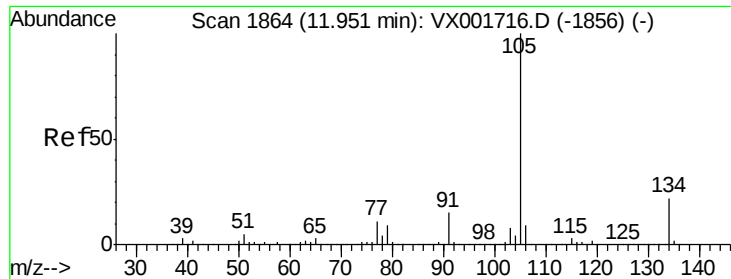
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 5/24/2018 11:47:48 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.12 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX001916.D
 Acq: 23 May 2018 01:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	230380		
120	46.6		23.5	70.5





#85

sec-Butylbenzene

Concen: 21.65 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

ClientSampleId :

VX0522WBS02

Tot Ion:105 Resp: 267524

Ion Ratio Lower Upper

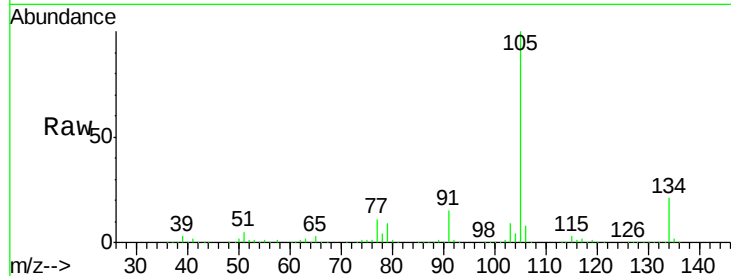
105 100

134 21.8 10.9 32.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

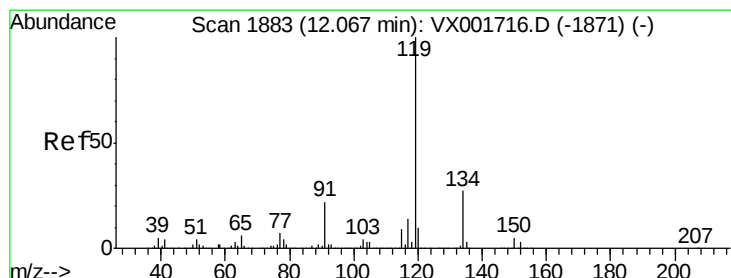
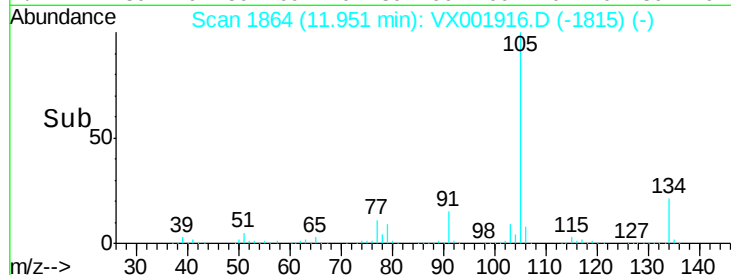
100000

50000

0

11.90 11.95 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 21.45 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

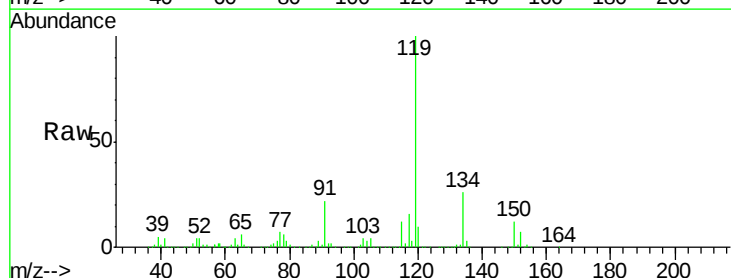
Tgt Ion:119 Resp: 245310

Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.8

91 22.0 10.7 32.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

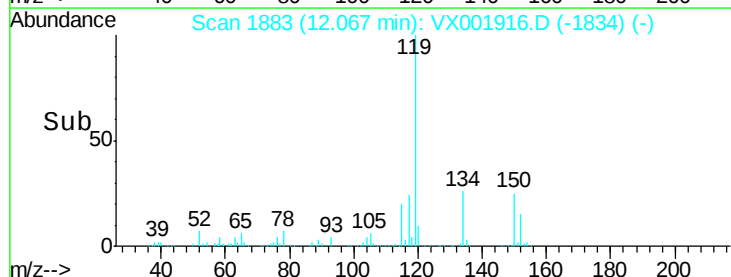
100000

50000

0

12.00 12.10

Time-->





#87

1,3-Dichlorobenzene

Concen: 21.05 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

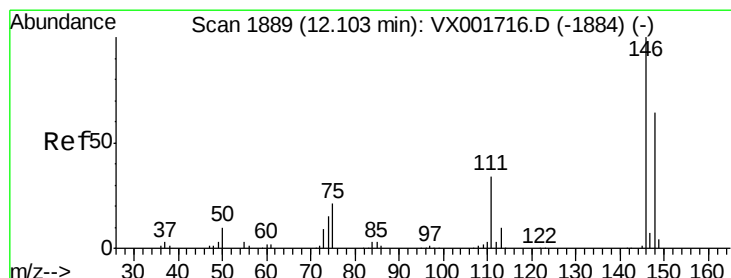
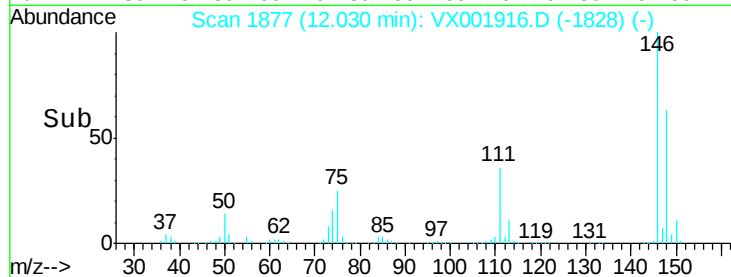
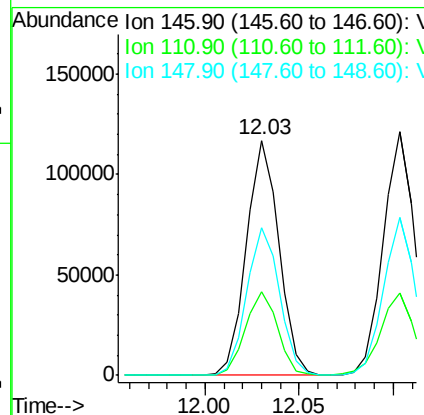
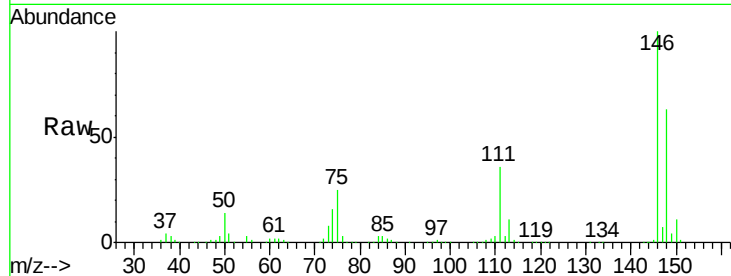
ClientSampleId :

VX0522WBS02

Tot Ion:	146	Resp:	140250
Ion Ratio	Lower	Upper	
146	100		
111	35.4	17.8	53.4
148	63.3	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 20.60 ug/l

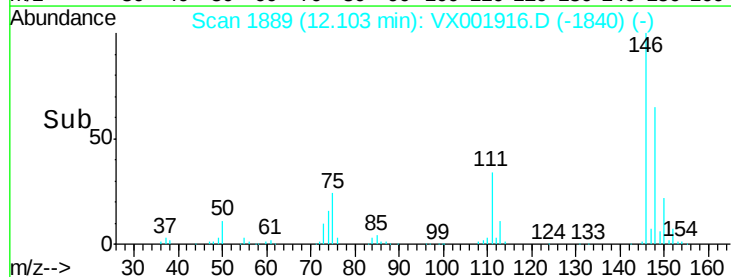
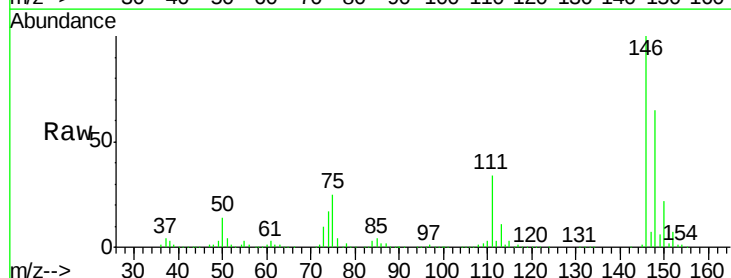
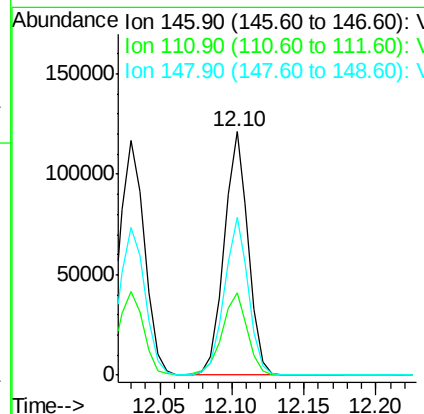
RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Tgt Ion:	146	Resp:	141906
Ion Ratio	Lower	Upper	
146	100		
111	35.7	17.3	52.0
148	64.9	32.3	96.9





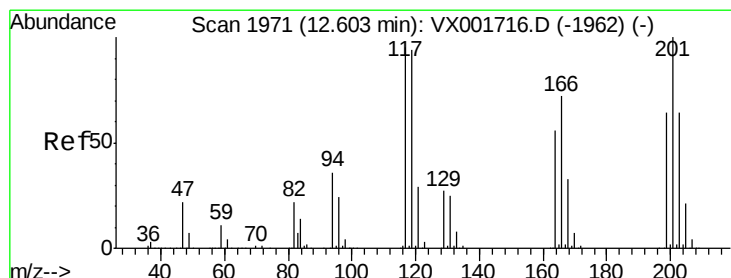
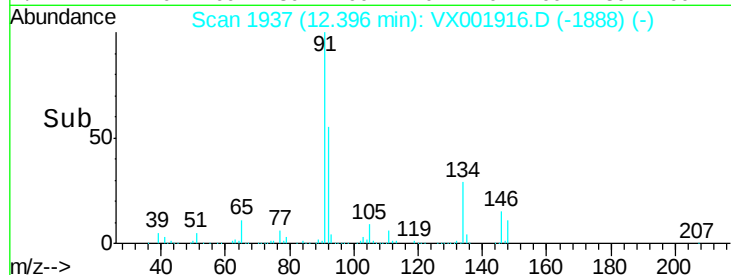
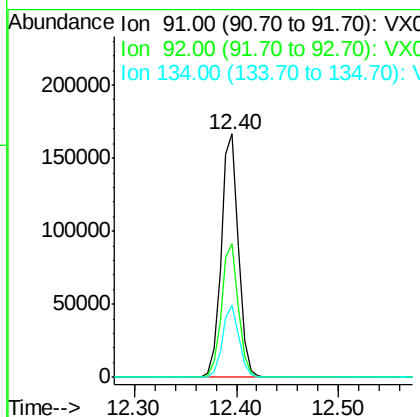
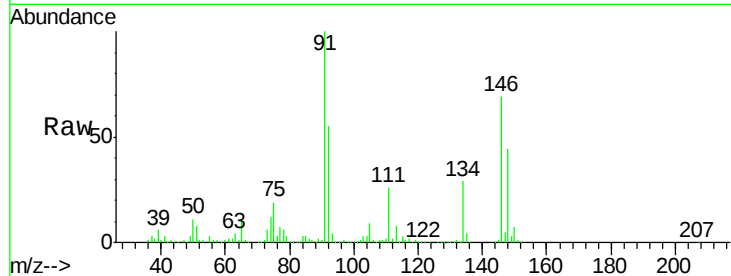
#89
n-Butylbenzene
Concen: 19.88 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Instrument :
MSVOA_X
ClientSampleId :
VX0522WBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	196557		
92	53.9		27.3	81.9
134	28.3		14.7	44.1

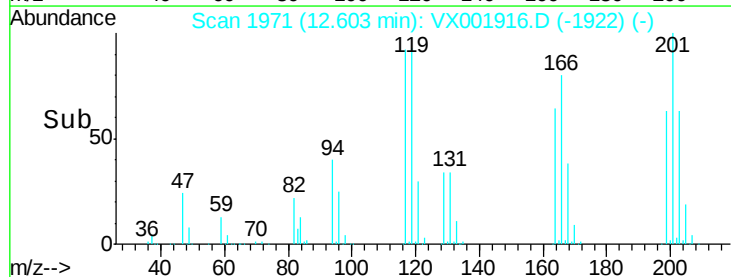
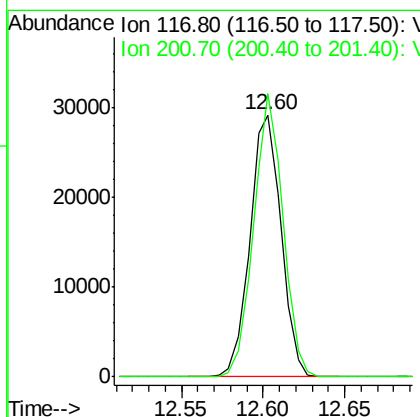
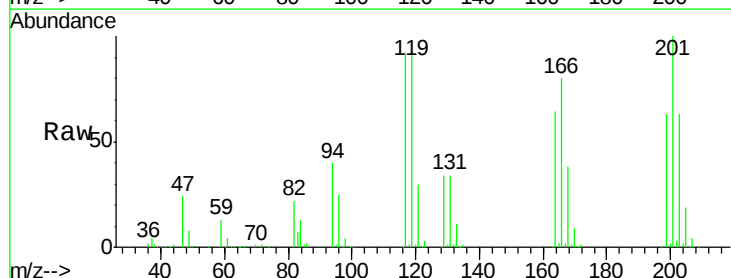
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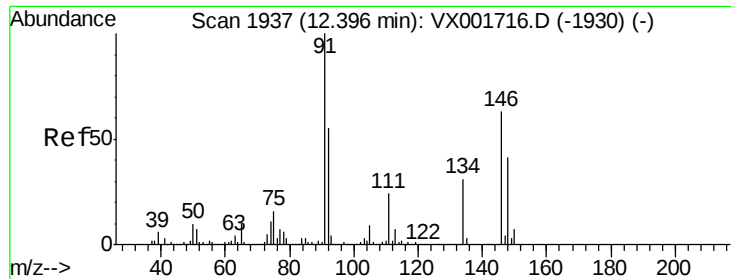
MMDadoda
5/24/2018 11:47:48 AM



#90
Hexachloroethane
Concen: 21.80 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX001916.D
Acq: 23 May 2018 01:52

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	38713		
201	101.8		51.9	155.7





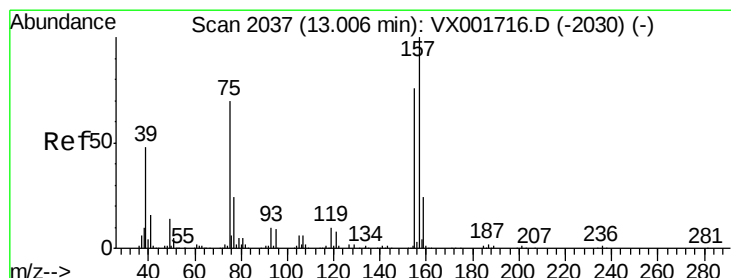
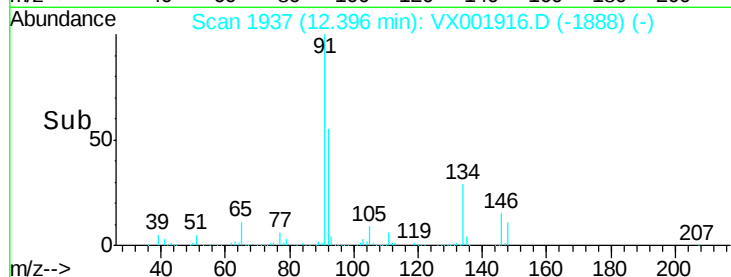
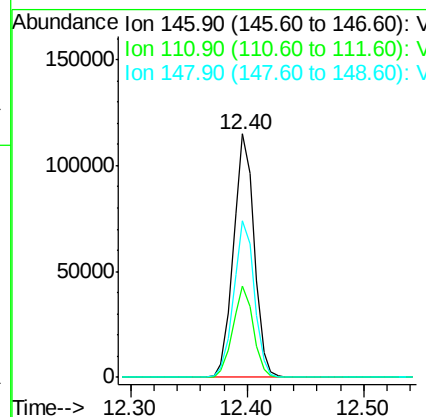
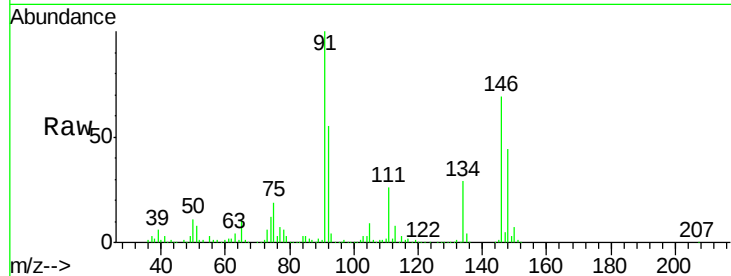
#91
 1,2-Dichlorobenzene
 Concen: 21.34 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX001916.D
 Acq: 23 May 2018 01:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	141647		
111	37.0	18.6	56.0	
148	64.1	32.4	97.0	

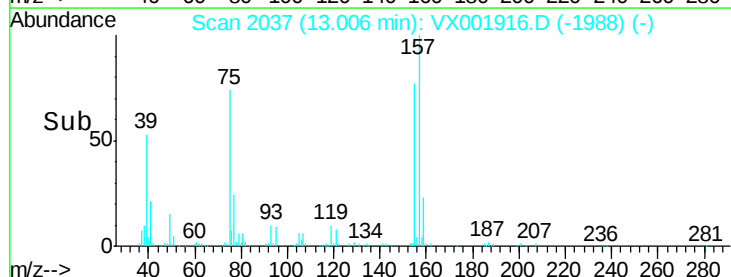
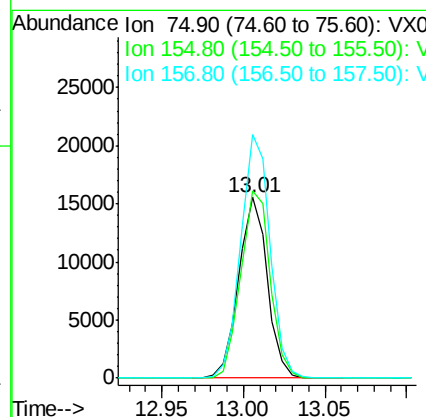
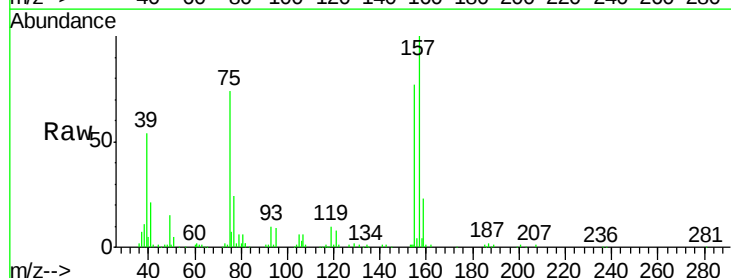
Manual Integrations
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 5/24/2018 11:47:48 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.16 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX001916.D
 Acq: 23 May 2018 01:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18966		
155	107.1	53.9	161.8	
157	138.1	71.0	213.2	





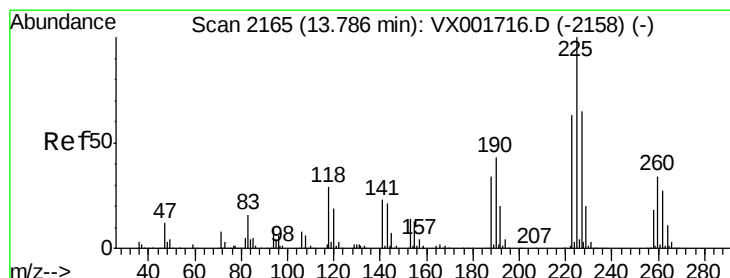
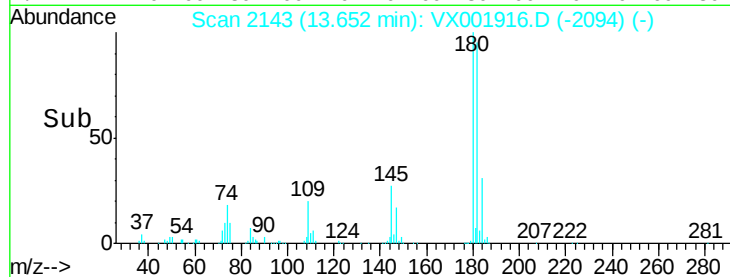
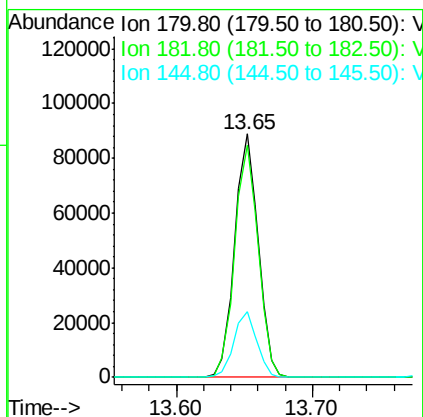
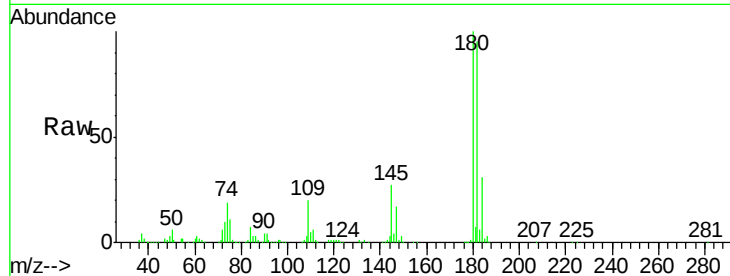
#93
 1,2,4-Trichlorobenzene
 Concen: 20.18 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001916.D
 Acq: 23 May 2018 01:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.7	47.6	142.9	
145	26.5	13.4	40.1	

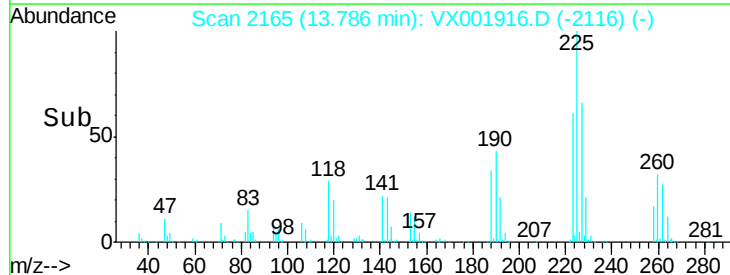
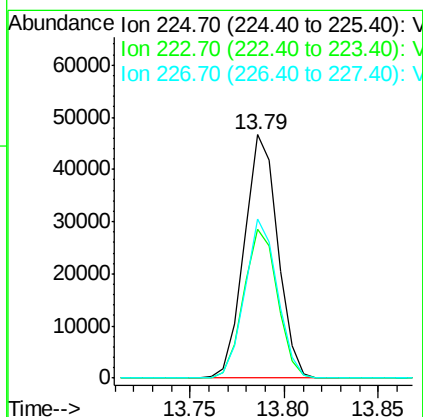
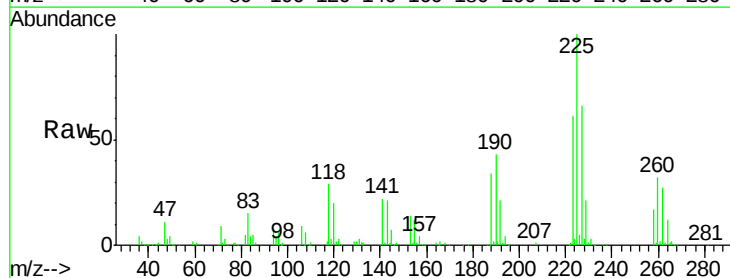
Manual Integrations
 APPROVED

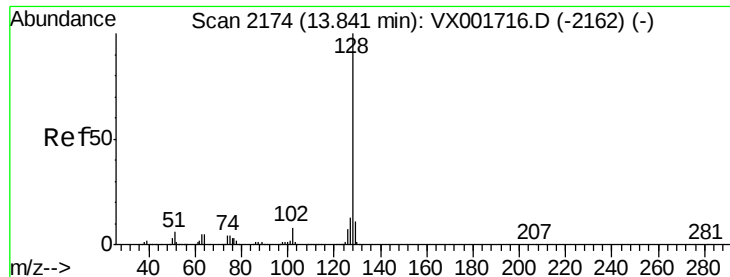
MMDadoda
 5/24/2018 11:47:48 AM



#94
 Hexachlorobutadiene
 Concen: 20.23 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX001916.D
 Acq: 23 May 2018 01:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.4	31.1	93.5	
227	63.7	31.9	95.5	





#95

Naphthalene

Concen: 21.71 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Instrument :

MSVOA_X

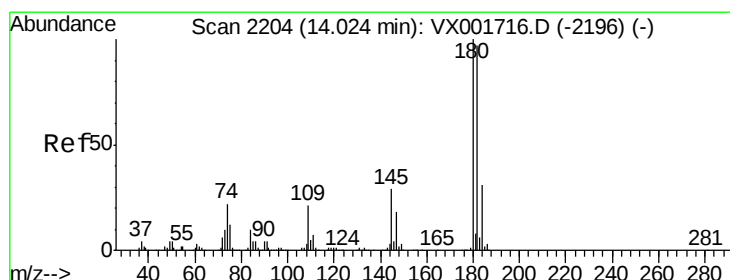
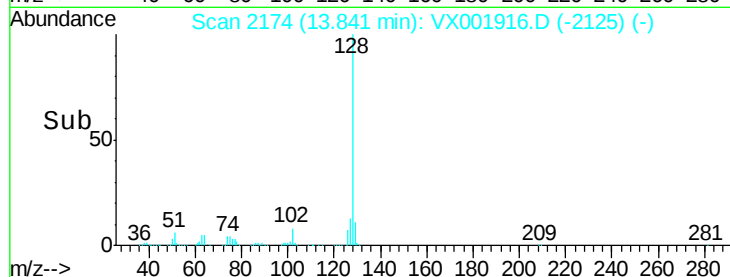
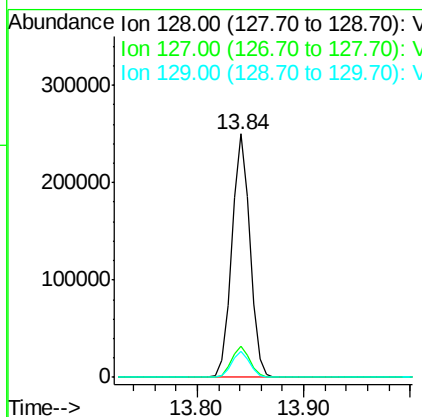
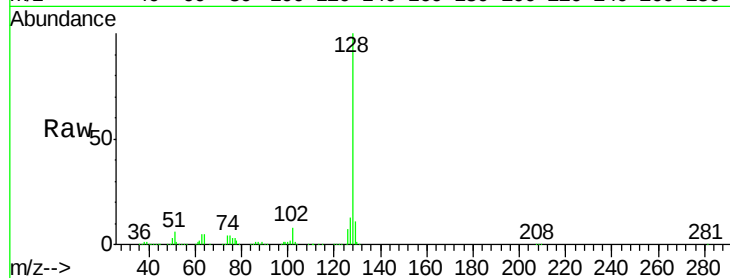
ClientSampleId :

VX0522WBS02

Tot Ion:	128	Resp:	298588
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.4
129	10.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/24/2018 11:47:48 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.99 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX001916.D

Acq: 23 May 2018 01:52

Tgt Ion:	180	Resp:	111846
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.9	143.7
145	28.1	14.2	42.8

