

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030818\
 Data File : VX000227.D
 Acq On : 08 Mar 2018 18:29
 Operator : JC/MD
 Sample : VX0308MBS01
 Misc : 5.00µg/10mL/100µL5.0mL/MSVOA_X/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 09 04:13:14 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 08 02:15:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	131132	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	228397	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	225909	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	124854	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	90149	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
35) Dibromofluoromethane	5.51	113	68542	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	
50) Toluene-d8	8.73	98	276531	46.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.08%	
62) 4-Bromofluorobenzene	11.15	95	105787	45.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	26360	18.45	ug/l	96
3) Chloromethane	1.32	50	27794	19.92	ug/l	99
4) Vinyl Chloride	1.41	62	33204	20.42	ug/l	98
5) Bromomethane	1.64	94	28303	16.01	ug/l	96
6) Chloroethane	1.73	64	21590	21.03	ug/l	100
7) Trichlorofluoromethane	1.93	101	57456	21.30	ug/l	98
8) Diethyl Ether	2.20	74	20188	20.39	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	30471	20.23	ug/l	100
10) Methyl Iodide	2.51	142	25493	18.25	ug/l	99
11) Tert butyl alcohol	3.07	59	60075	89.94	ug/l	99
12) 1,1-Dichloroethene	2.38	96	28519	20.62	ug/l	98
13) Acrolein	2.30	56	43044	122.58	ug/l	97
14) Allyl chloride	2.73	41	51548	20.18	ug/l	98
15) Acrylonitrile	3.15	53	118489	101.93	ug/l	98
16) Acetone	2.45	43	136742	104.75	ug/l	98
17) Carbon Disulfide	2.57	76	72980	19.26	ug/l	99
18) Methyl Acetate	2.79	43	55983	20.14	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	106714	21.67	ug/l	99
20) Methylene Chloride	2.87	84	32417	20.82	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	31480	20.70	ug/l	98
22) Diisopropyl ether	3.89	45	79290	18.07	ug/l	97
23) Vinyl Acetate	3.84	43	375648	88.84	ug/l	98
24) 1,1-Dichloroethane	3.71	63	54393	20.22	ug/l	99
25) 2-Butanone	4.73	43	154229	95.73	ug/l	98
26) 2,2-Dichloropropane	4.60	77	37216	18.93	ug/l	99
27) cis-1,2-Dichloroethene	4.62	96	28810	19.98	ug/l	98
28) Bromochloromethane	5.03	49	25540	22.34	ug/l	99
29) Tetrahydrofuran	5.18	42	93160	92.07	ug/l	98
30) Chloroform	5.23	83	50637	19.47	ug/l	95
31) Cyclohexane	5.59	56	39476	19.85	ug/l	95
32) 1,1,1-Trichloroethane	5.51	97	44154	19.58	ug/l	97
36) 1,1-Dichloropropene	5.81	75	38166	18.78	ug/l	98
37) Ethyl Acetate	4.88	43	51637	17.58	ug/l	100
38) Carbon Tetrachloride	5.79	117	36945	17.96	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	45146	18.10	ug/l	94
40) Benzene	6.15	78	110501	18.85	ug/l	99
41) Methacrylonitrile	5.08	41	27230	18.19	ug/l	99
42) 1,2-Dichloroethane	6.21	62	44391	19.31	ug/l	100
43) Isopropyl Acetate	6.48	43	78225	18.42	ug/l	99
44) Trichloroethene	7.22	130	32006	19.08	ug/l	99
45) 1,2-Dichloropropane	7.52	63	28633	19.29	ug/l	93
46) Dibromomethane	7.67	93	22235	18.93	ug/l	98
47) Bromodichloromethane	7.91	83	39250	19.00	ug/l	99
48) Methyl methacrylate	7.79	41	37364	17.86	ug/l	99
49) 1,4-Dioxane	7.77	88	16480	347.09	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	297748	92.90	ug/l	98
52) Toluene	8.79	92	76608	19.07	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	45168	18.55	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	45207	19.19	ug/l	99
55) 1,1,2-Trichloroethane	9.23	97	30944	19.02	ug/l	97
56) Ethyl methacrylate	9.19	69	47934	19.69	ug/l	97
57) 1,3-Dichloropropane	9.38	76	51872	18.99	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	126012	102.50	ug/l	99
59) 2-Hexanone	9.51	43	248336	90.87	ug/l	99
60) Dibromochloromethane	9.59	129	31033	18.09	ug/l	98
61) 1,2-Dibromoethane	9.68	107	33764	18.69	ug/l	99
64) Tetrachloroethene	9.34	164	28969	18.33	ug/l	94
65) Chlorobenzene	10.15	112	87499	19.18	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	29798	19.10	ug/l	98
67) Ethyl Benzene	10.26	91	150865	18.95	ug/l	99
68) m/p-Xylenes	10.37	106	117959	38.49	ug/l	99
69) o-Xylene	10.71	106	56685	19.25	ug/l	96
70) Styrene	10.72	104	94766	19.40	ug/l	99
71) Bromoform	10.87	173	23783	17.13	ug/l #	97
73) Isopropylbenzene	11.02	105	152012	19.45	ug/l	99
74) N-amyl acetate	6.48	43	78225	19.56	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	55046	20.09	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	62546	24.99	ug/l	82
77) Bromobenzene	11.26	156	39049	19.32	ug/l	97
78) n-propylbenzene	11.37	91	180248	19.59	ug/l	98
79) 2-Chlorotoluene	11.43	91	104064	20.05	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	129130	19.79	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.09	75	14776	18.08	ug/l	93
82) 4-Chlorotoluene	11.52	91	128776	20.41	ug/l	97
83) tert-Butylbenzene	11.78	119	128498	20.23	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	137501	20.49	ug/l	98
85) sec-Butylbenzene	11.96	105	160911	20.03	ug/l	100
86) p-Isopropyltoluene	12.07	119	142798	20.16	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	76126	19.81	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	77694	19.29	ug/l	98
89) n-Butylbenzene	12.40	91	136559	20.02	ug/l	99
90) Hexachloroethane	12.60	117	21315	18.68	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	75568	19.86	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	14935	19.41	ug/l	92

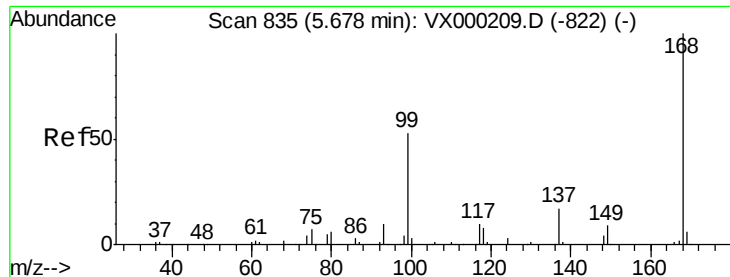
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030818\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	53782	19.43	ug/l	99
94) Hexachlorobutadiene	13.79	225	21456	18.63	ug/l	97
95) Naphthalene	13.84	128	197155	20.42	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	52840	19.30	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

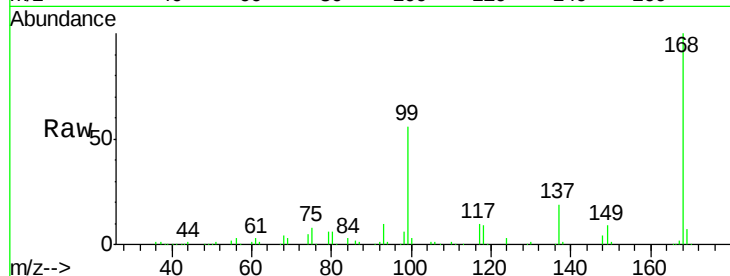
ClientSampleId :

Tot Ion:168 Resp: 131132

Ion Ratio Lower Upper

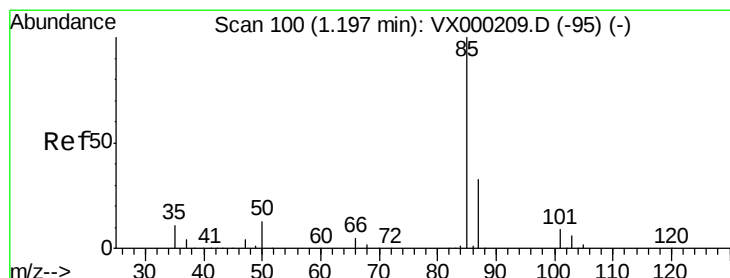
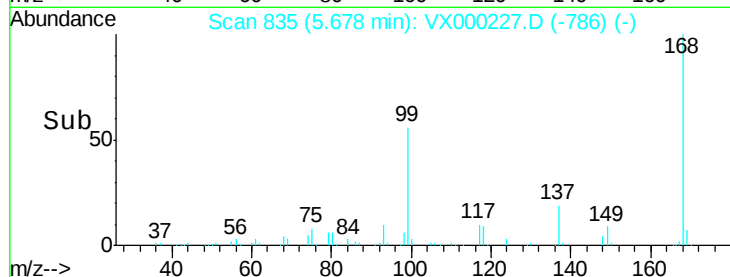
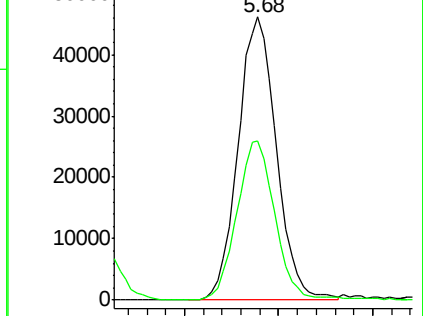
168 100

99 56.1 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 18.45 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX000227.D

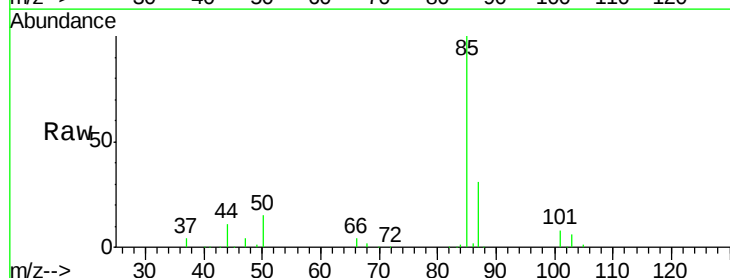
Acq: 08 Mar 2018 18:29

Tgt Ion: 85 Resp: 26360

Ion Ratio Lower Upper

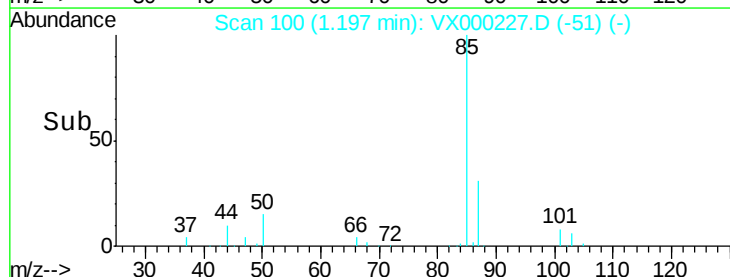
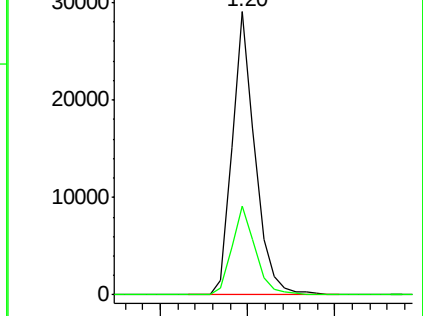
85 100

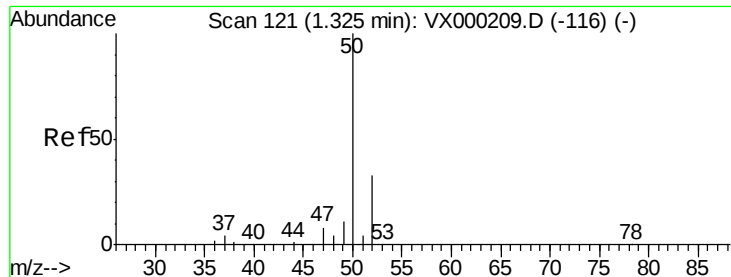
87 31.2 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.92 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

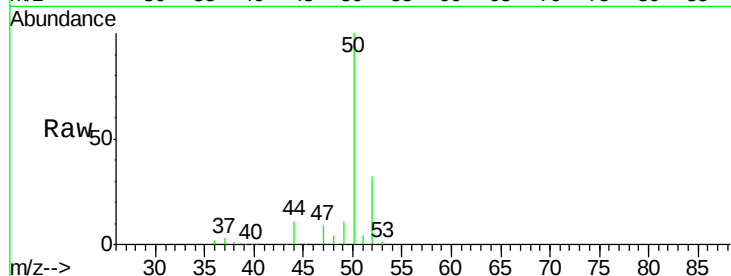
ClientSampleId :

Tot Ion: 50 Resp: 27794

Ion Ratio Lower Upper

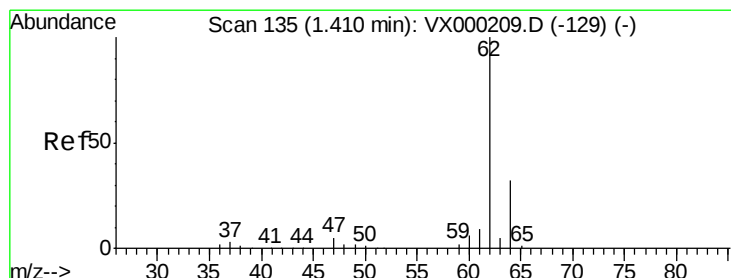
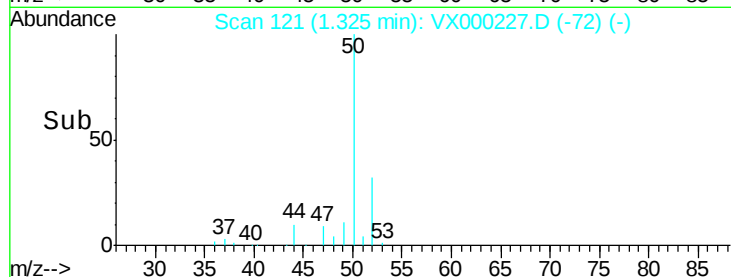
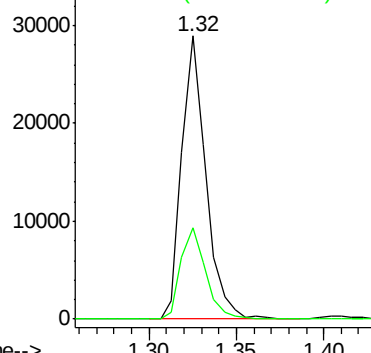
50 100

52 32.1 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.42 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX000227.D

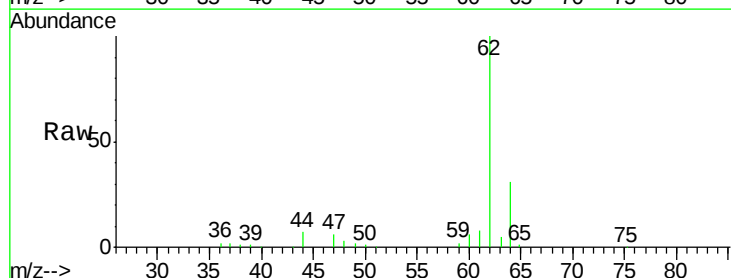
Acq: 08 Mar 2018 18:29

Tgt Ion: 62 Resp: 33204

Ion Ratio Lower Upper

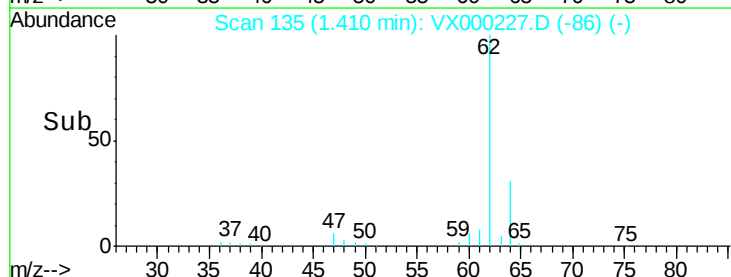
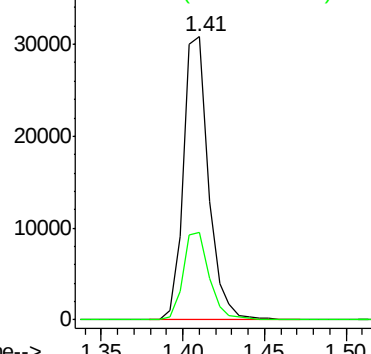
62 100

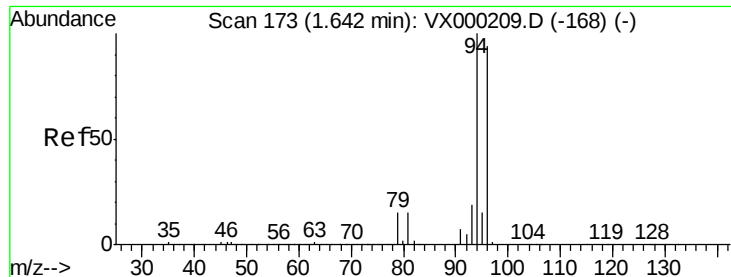
64 30.8 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 16.01 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

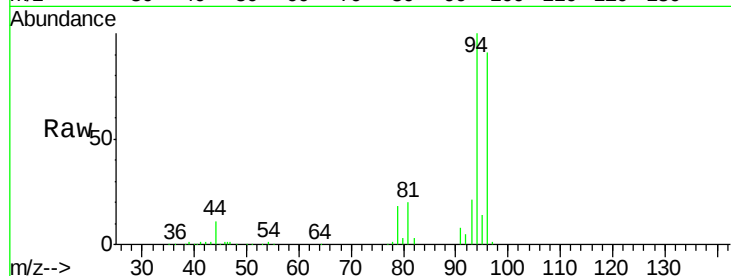
ClientSampleId :

Tot Ion: 94 Resp: 28303

Ion Ratio Lower Upper

94 100

96 90.6 75.3 112.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

25000

20000

15000

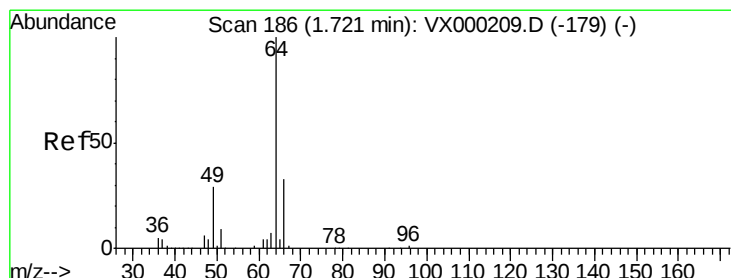
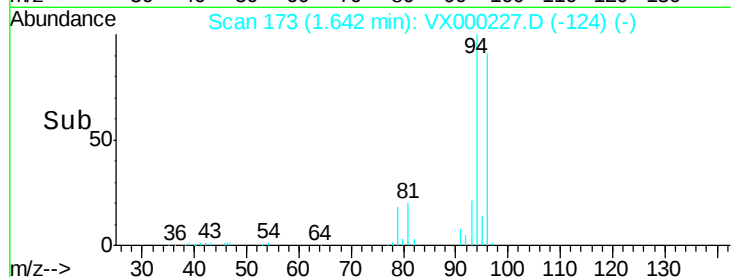
10000

5000

0

Time-->

1.55 1.60 1.65 1.70 1.75



#6

Chloroethane

Concen: 21.03 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX000227.D

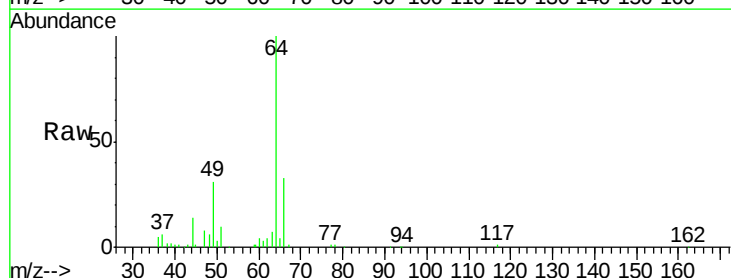
Acq: 08 Mar 2018 18:29

Tgt Ion: 64 Resp: 21590

Ion Ratio Lower Upper

64 100

66 32.9 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

15000

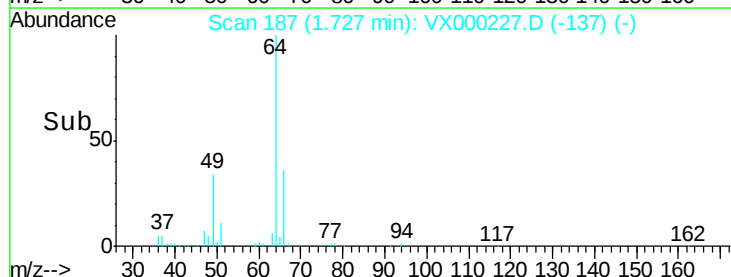
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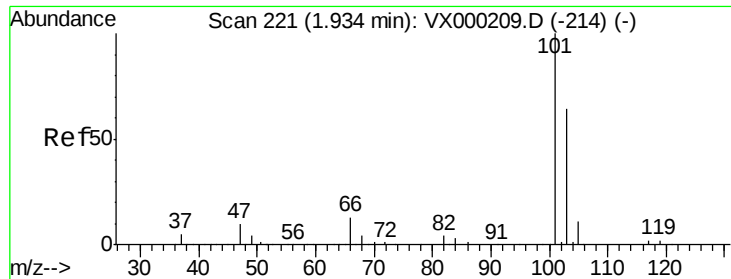
5000

0

Time-->

1.65 1.70 1.75 1.80



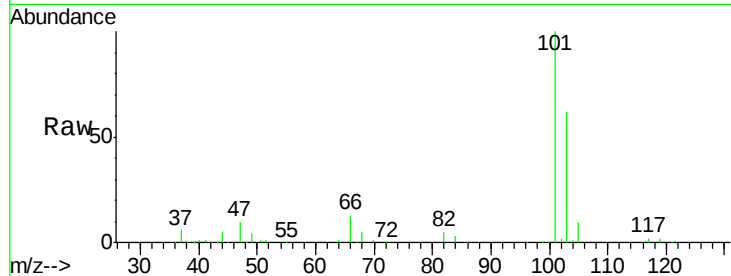


#7

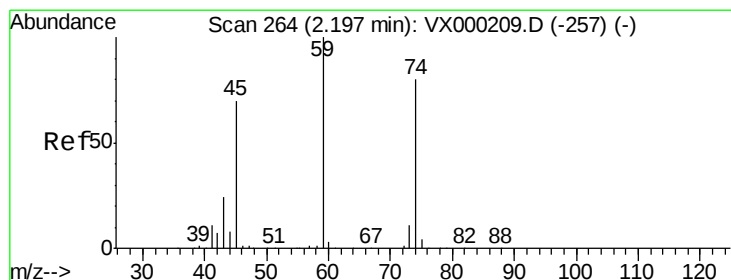
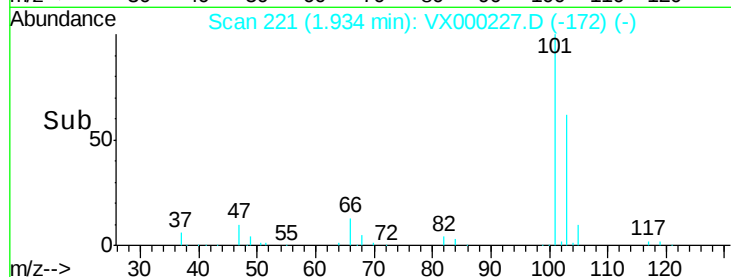
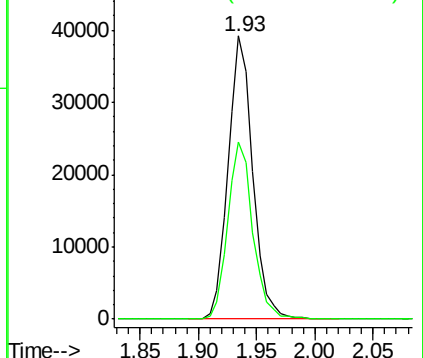
Trichlorofluoromethane
 Concen: 21.30 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VX000227.D
 Acq: 08 Mar 2018 18:29

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:101 Resp: 57456
 Ion Ratio Lower Upper
 101 100
 103 62.5 51.2 76.8



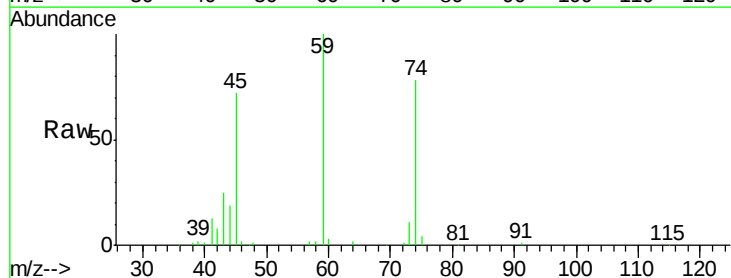
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



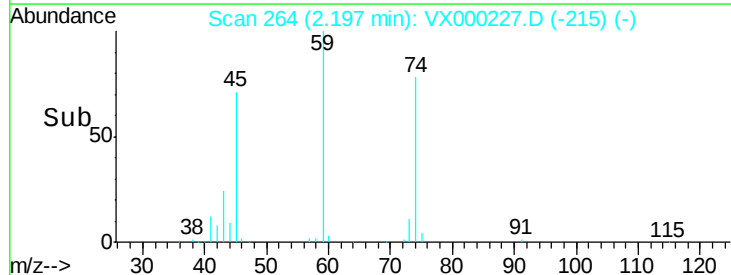
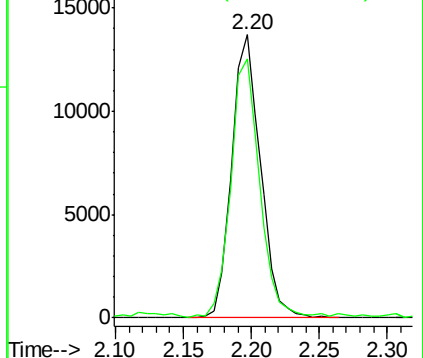
#8

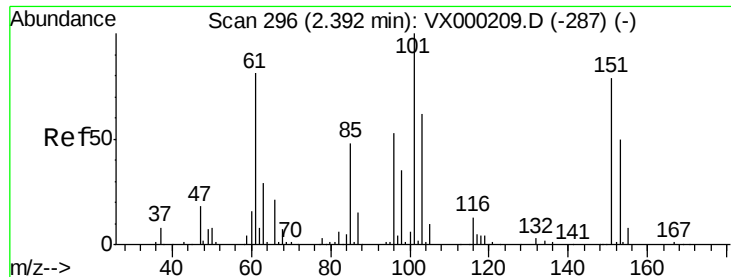
Diethyl Ether
 Concen: 20.39 ug/l
 RT: 2.20 min Scan# 264
 Delta R.T. 0.00 min
 Lab File: VX000227.D
 Acq: 08 Mar 2018 18:29

Tgt Ion: 74 Resp: 20188
 Ion Ratio Lower Upper
 74 100
 45 92.2 47.2 141.6



Abundance Ion 74.00 (73.70 to 74.70): VX0
 Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.23 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

ClientSampled :

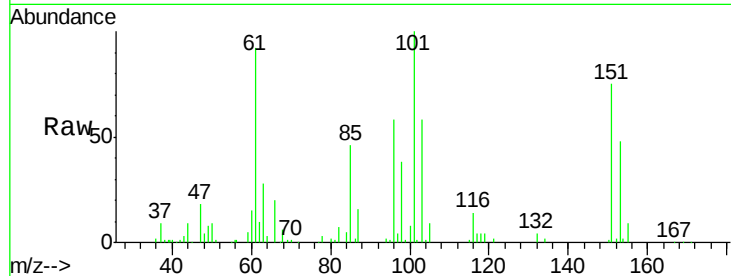
Tot Ion:101 Resp: 30471

Ion Ratio Lower Upper

101 100

85 48.1 38.3 57.5

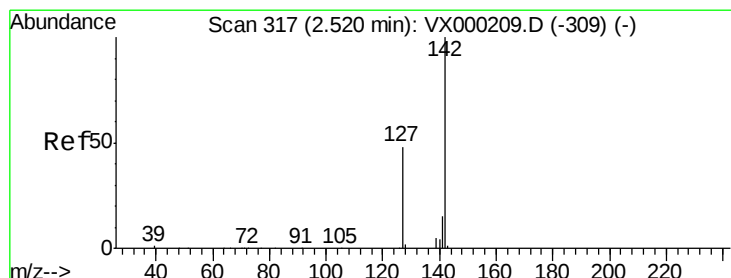
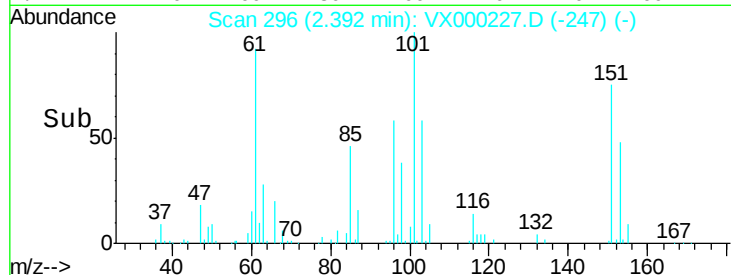
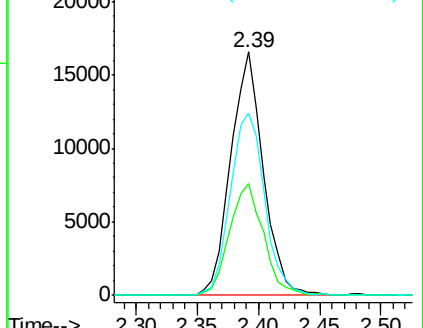
151 78.9 62.8 94.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.25 ug/l

RT: 2.51 min Scan# 316

Delta R.T. -0.01 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

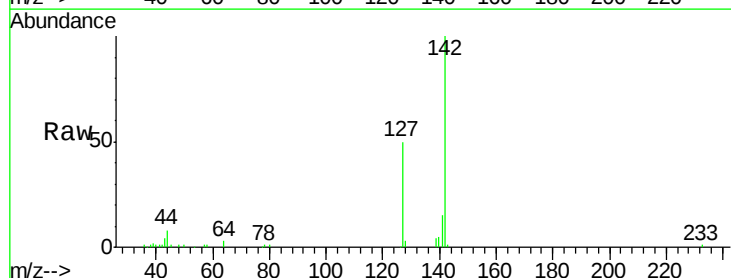
Tgt Ion:142 Resp: 25493

Ion Ratio Lower Upper

142 100

127 49.7 39.0 58.6

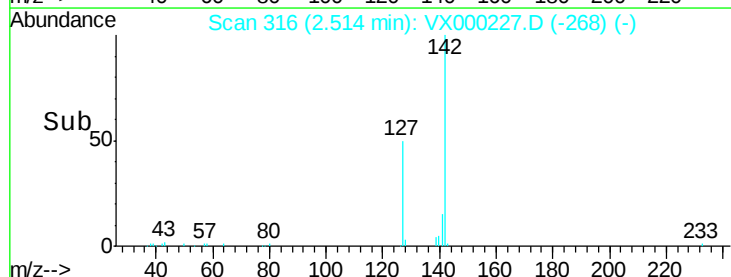
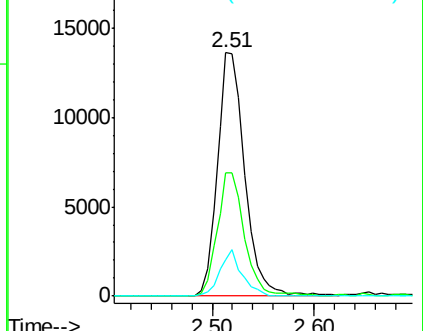
141 15.3 11.6 17.4

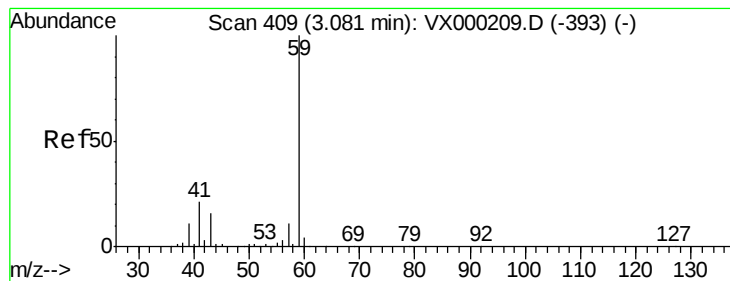


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



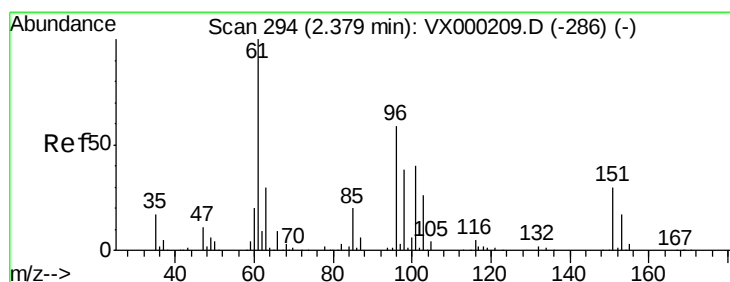
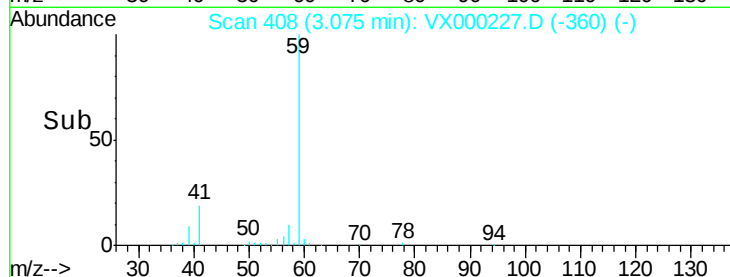
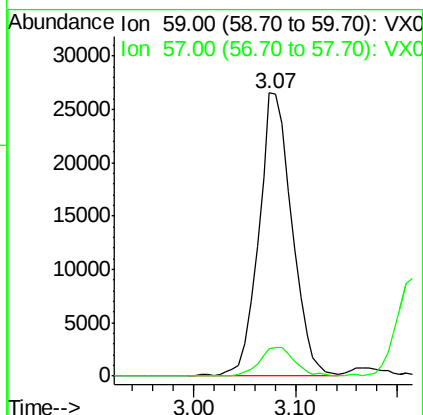
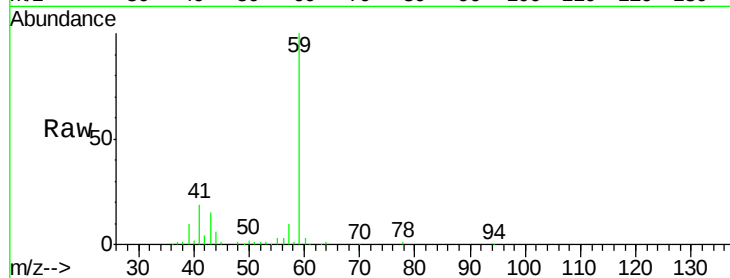


#11

Tert butyl alcohol
Concen: 89.94 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Instrument :
MSVOA_X
ClientSampled :

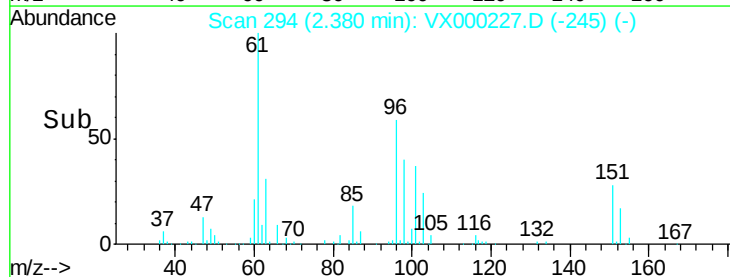
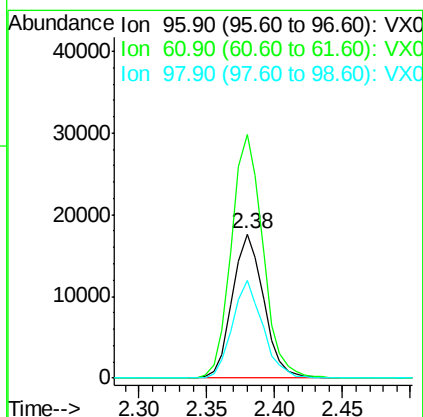
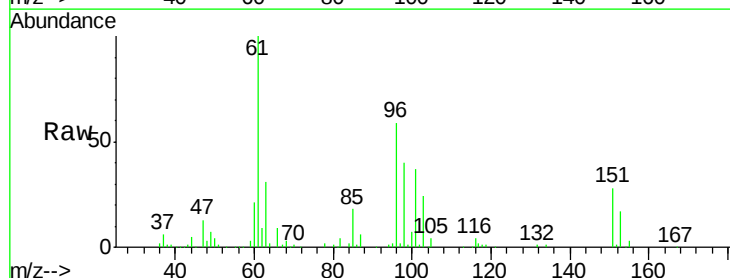
Tot Ion: 59 Resp: 60075
Ion Ratio Lower Upper
59 100
57 10.7 8.4 12.6

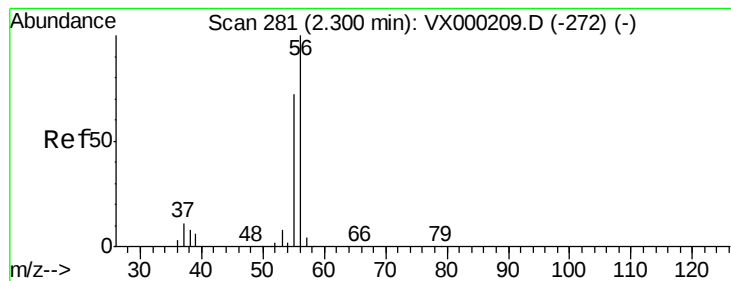


#12

1,1-Dichloroethene
Concen: 20.62 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Tgt Ion: 96 Resp: 28519
Ion Ratio Lower Upper
96 100
61 169.0 135.8 203.6
98 68.2 51.1 76.7





#13

Acrolein

Concen: 122.58 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

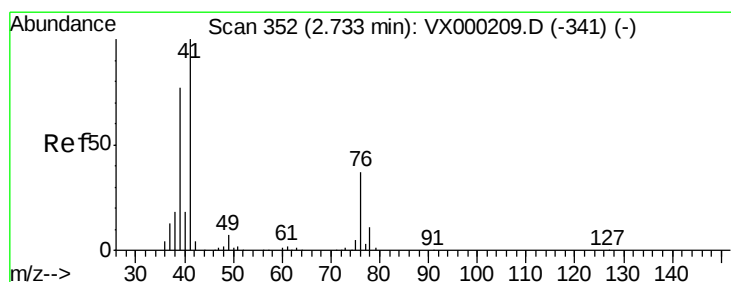
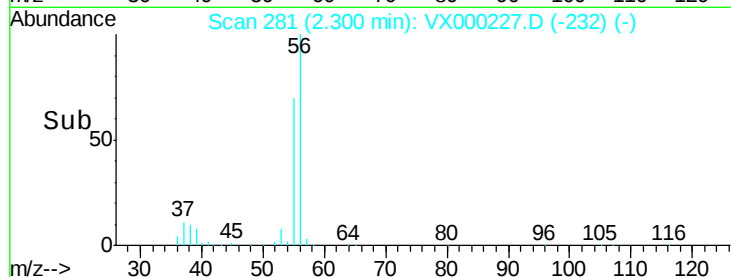
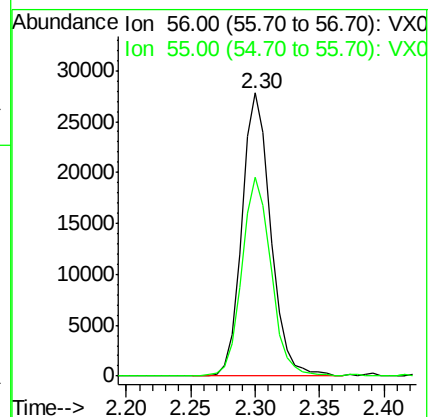
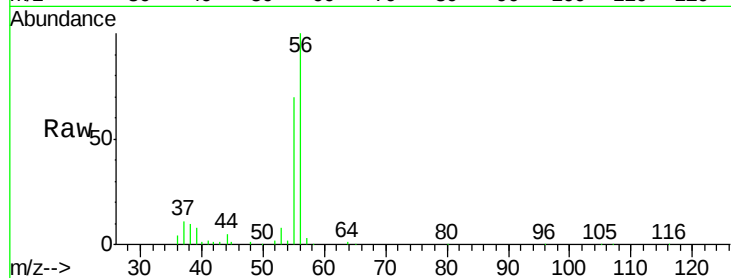
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 43044

Ion Ratio Lower Upper

56 100

55 71.4 59.2 88.8



#14

Allyl chloride

Concen: 20.18 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

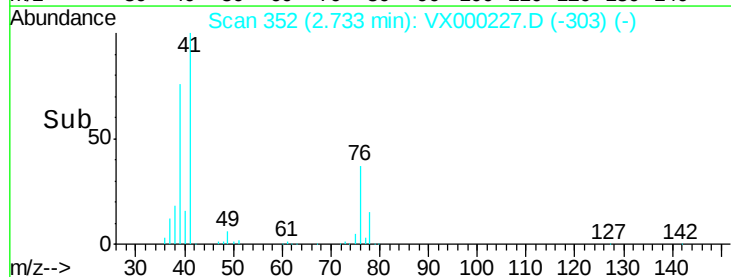
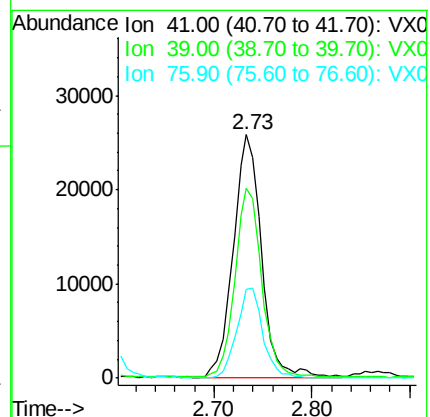
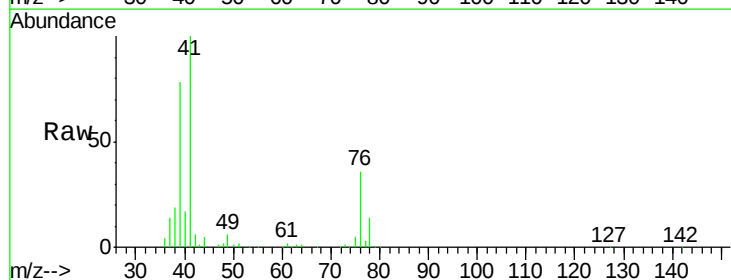
Tgt Ion: 41 Resp: 51548

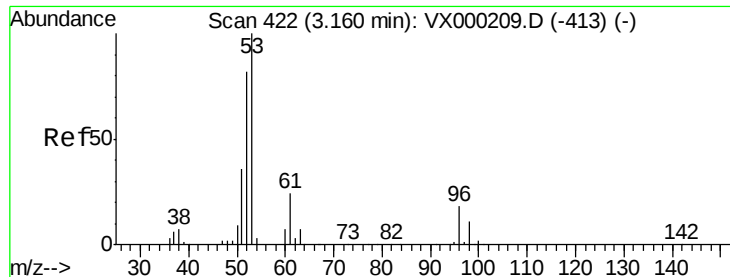
Ion Ratio Lower Upper

41 100

39 73.0 57.0 85.6

76 34.1 26.8 40.2





#15

Acrylonitrile

Concen: 101.93 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

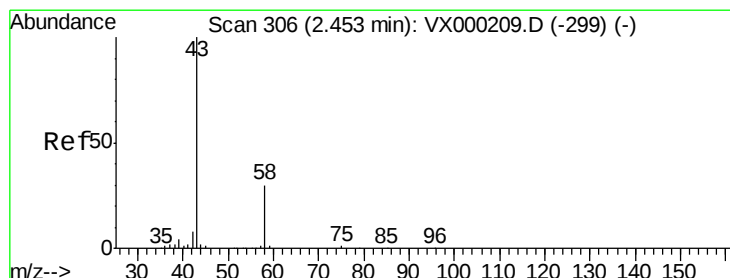
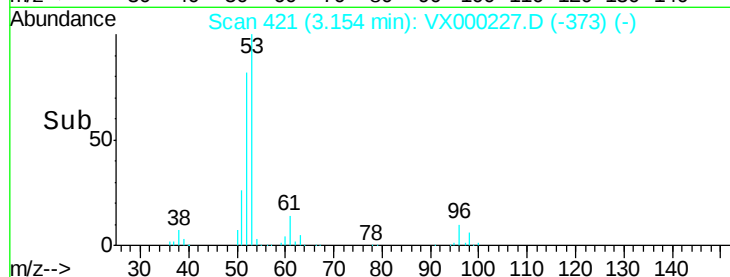
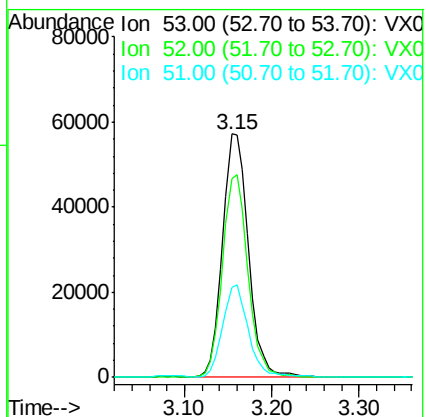
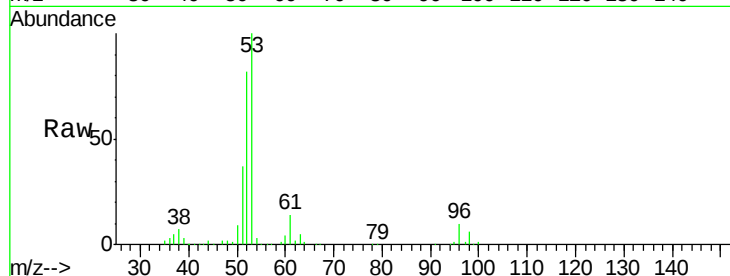
Tot Ion: 53 Resp: 118489

Ion Ratio Lower Upper

53 100

52 81.4 66.3 99.5

51 37.8 29.6 44.4



#16

Acetone

Concen: 104.75 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX000227.D

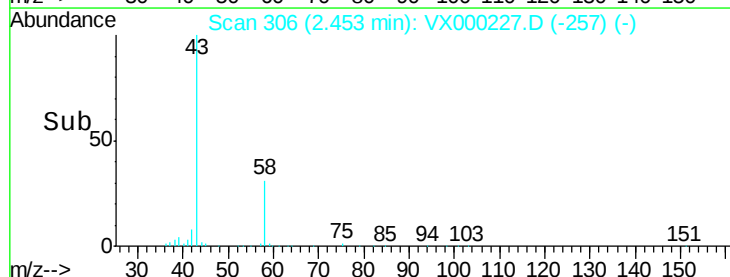
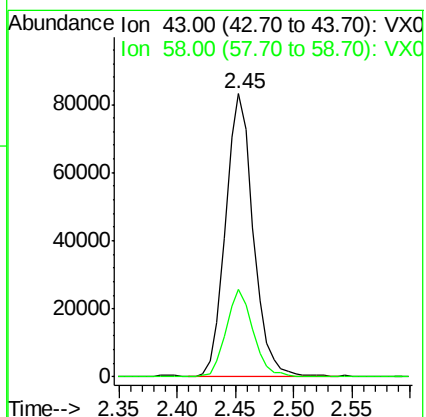
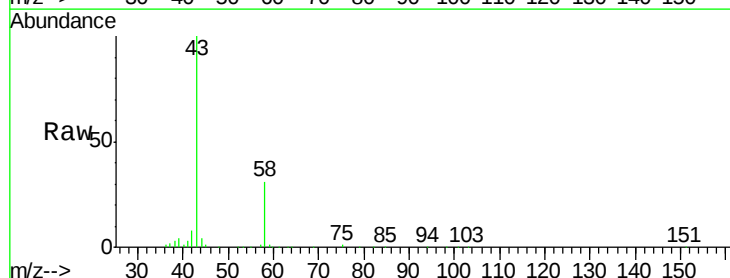
Acq: 08 Mar 2018 18:29

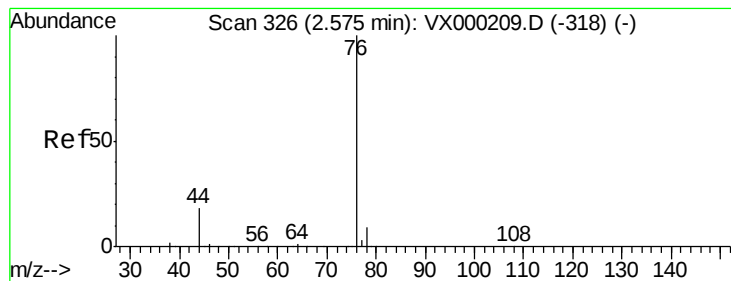
Tgt Ion: 43 Resp: 136742

Ion Ratio Lower Upper

43 100

58 30.9 23.8 35.6





#17

Carbon Disulfide

Concen: 19.26 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

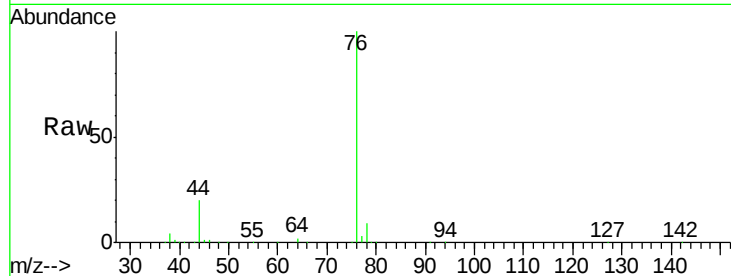
ClientSampled :

Tot Ion: 76 Resp: 72980

Ion Ratio Lower Upper

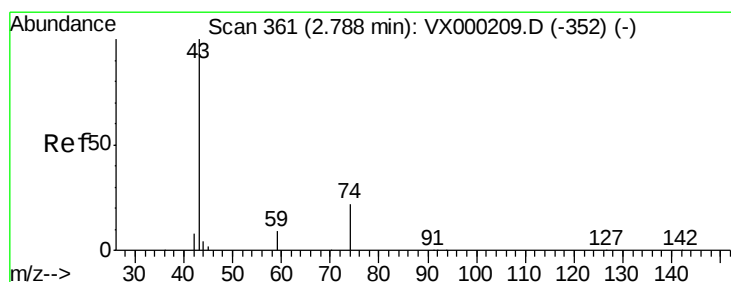
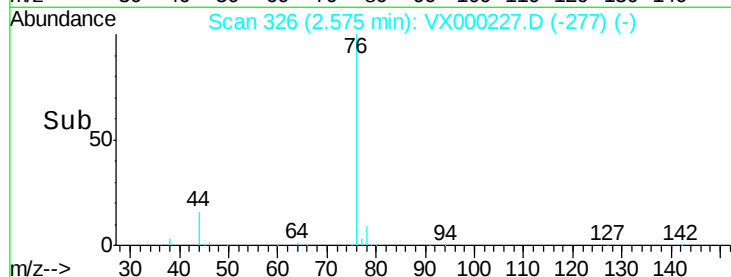
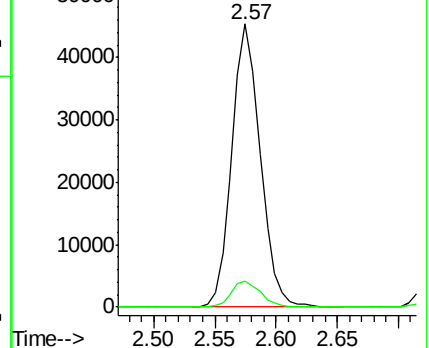
76 100

78 9.3 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 20.14 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.00 min

Lab File: VX000227.D

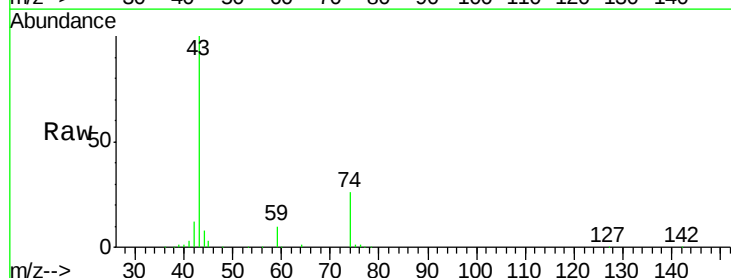
Acq: 08 Mar 2018 18:29

Tgt Ion: 43 Resp: 55983

Ion Ratio Lower Upper

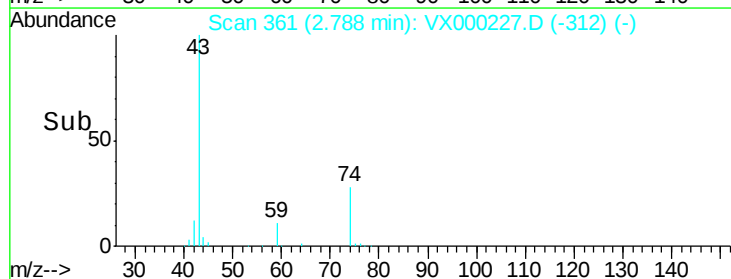
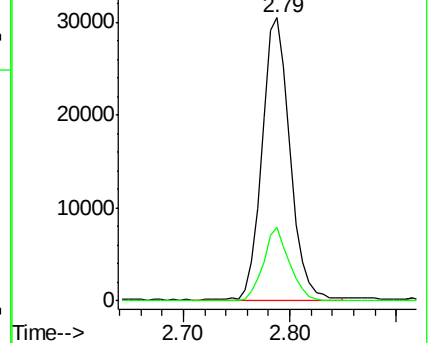
43 100

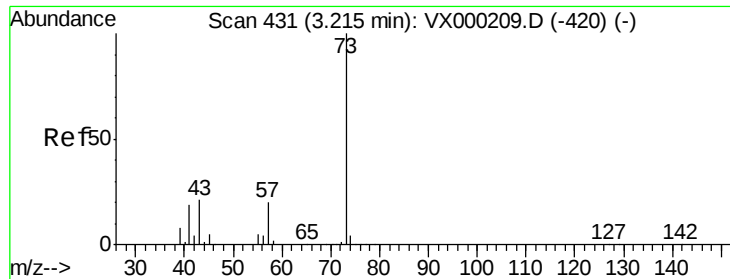
74 24.5 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

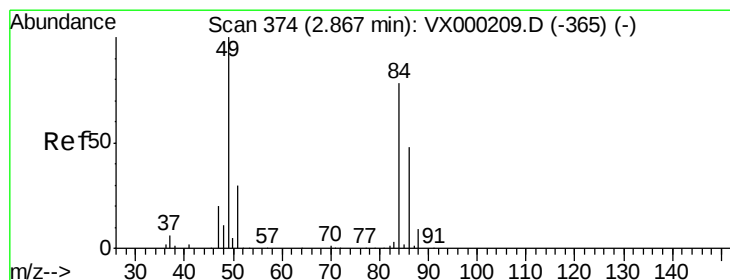
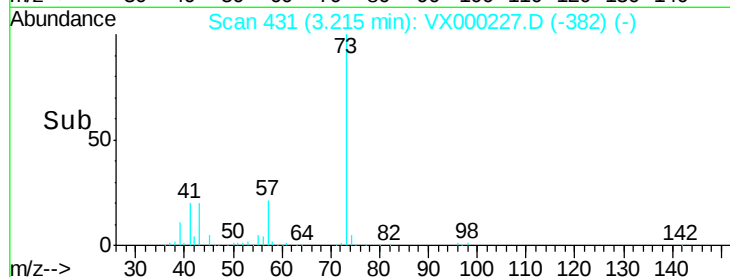
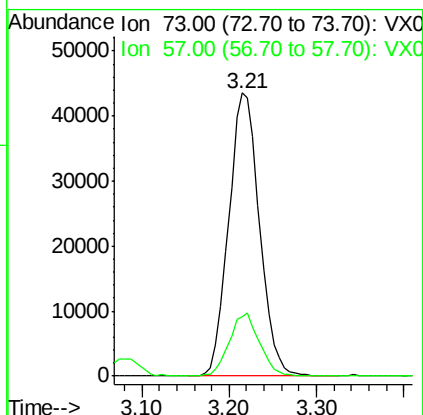
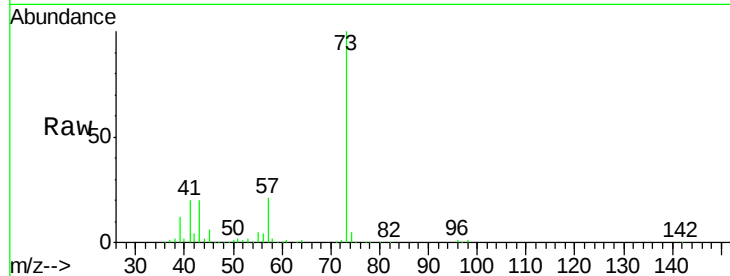




#19
Methyl tert-butyl Ether
Concen: 21.67 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

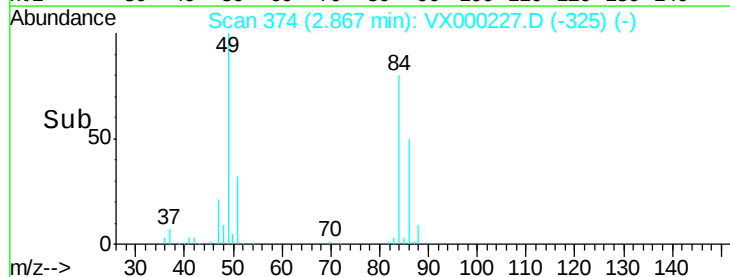
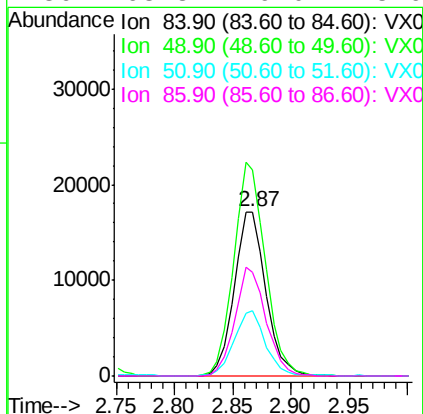
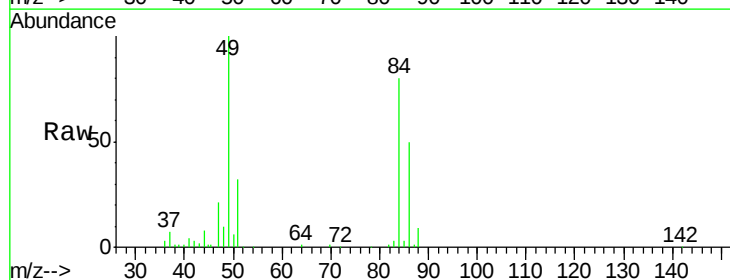
Instrument :
MSVOA_X
ClientSampleId :

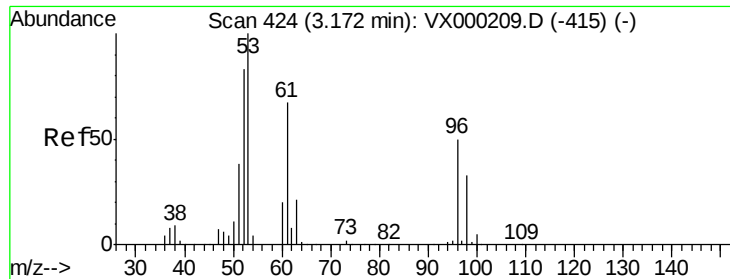
Tot Ion: 73 Resp: 106714
Ion Ratio Lower Upper
73 100
57 20.7 16.3 24.5



#20
Methylene Chloride
Concen: 20.82 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Tgt Ion: 84 Resp: 32417
Ion Ratio Lower Upper
84 100
49 125.8 102.1 153.1
51 40.1 30.6 45.8
86 63.3 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 20.70 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

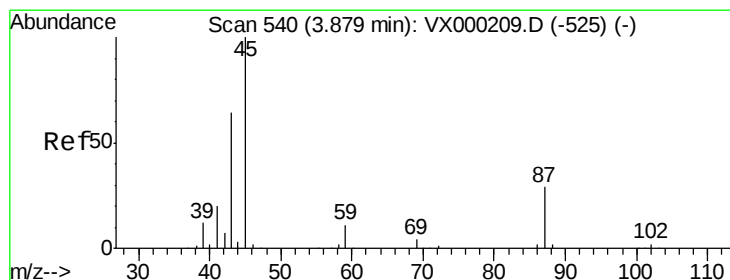
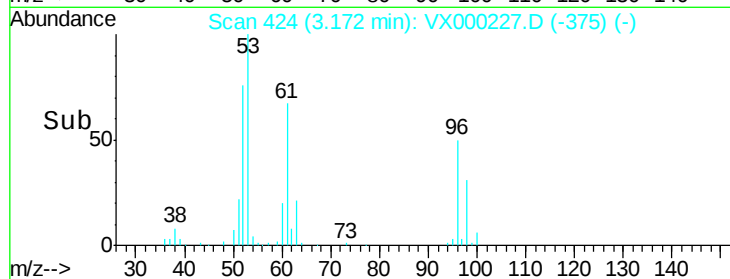
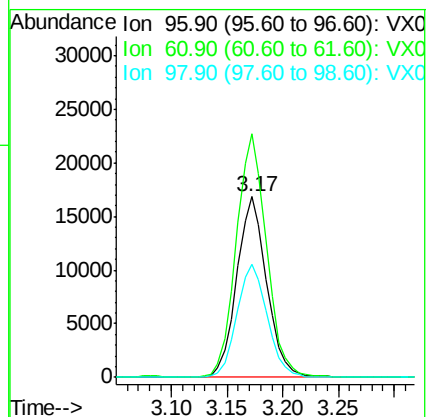
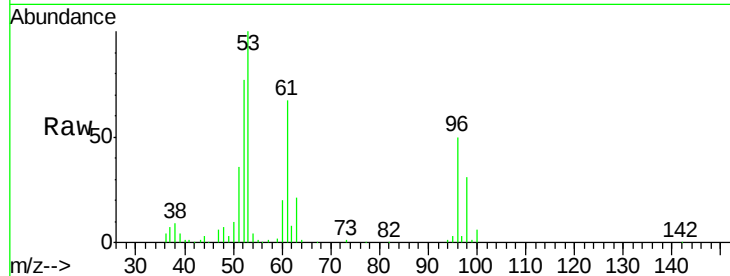
Tot Ion: 96 Resp: 31480

Ion Ratio Lower Upper

96 100

61 135.0 107.0 160.4

98 62.5 51.8 77.8



#22

Diisopropyl ether

Concen: 18.07 ug/l

RT: 3.89 min Scan# 541

Delta R.T. 0.01 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Tgt Ion: 45 Resp: 79290

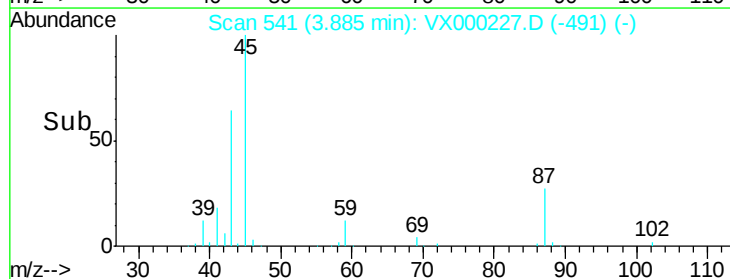
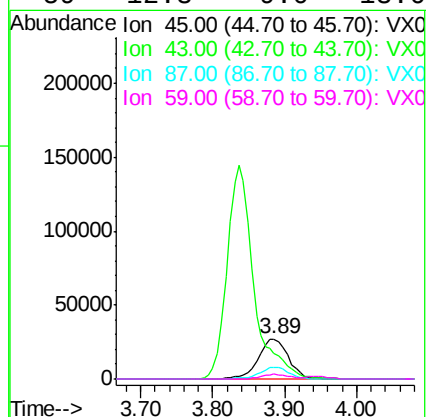
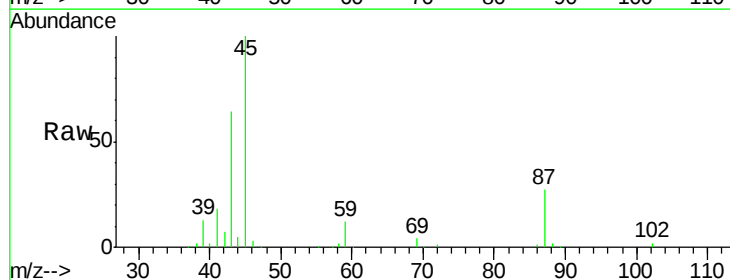
Ion Ratio Lower Upper

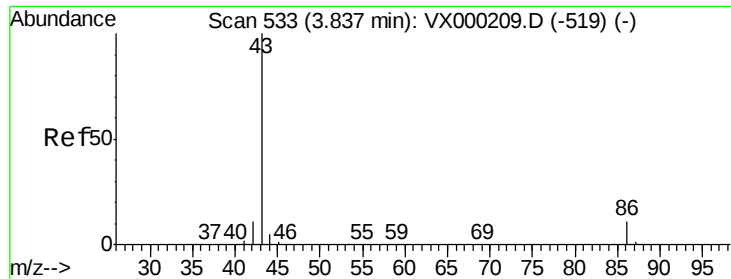
45 100

43 64.4 53.5 80.3

87 27.2 23.3 34.9

59 12.3 9.0 13.6





#23

Vinyl Acetate

Concen: 88.84 ug/l

RT: 3.84 min Scan# 533

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

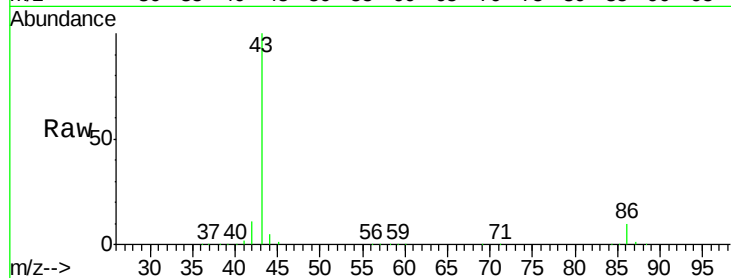
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 375648

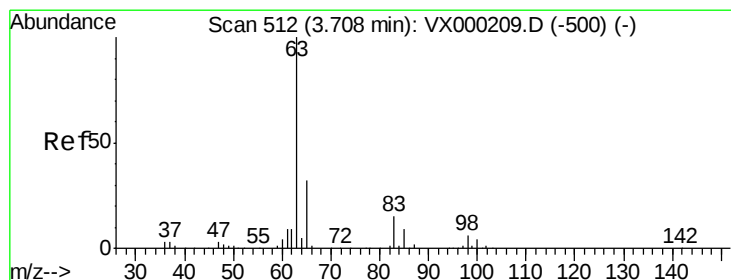
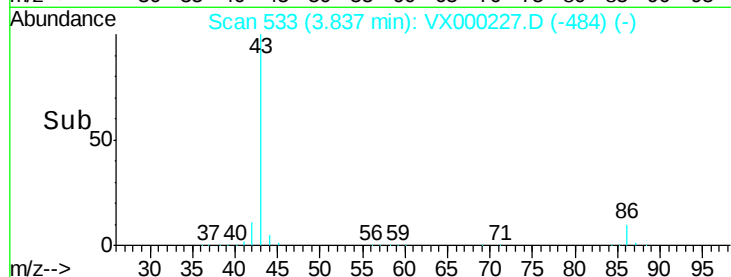
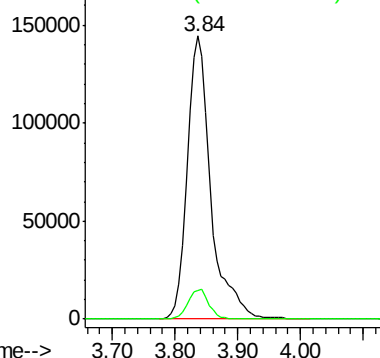
Ion Ratio Lower Upper

43 100

86 10.0 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 20.22 ug/l

RT: 3.71 min Scan# 512

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

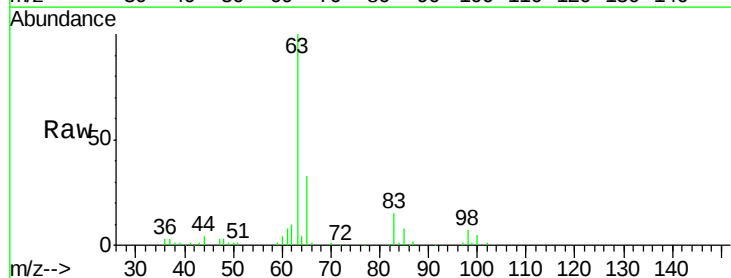
Tgt Ion: 63 Resp: 54393

Ion Ratio Lower Upper

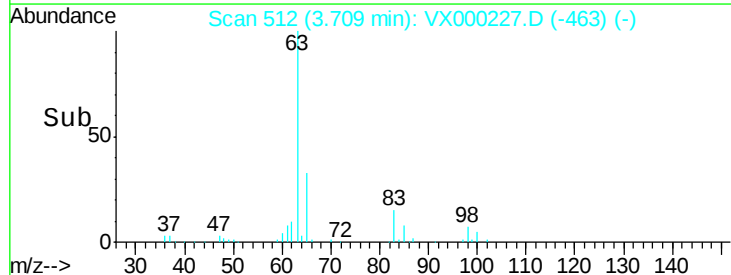
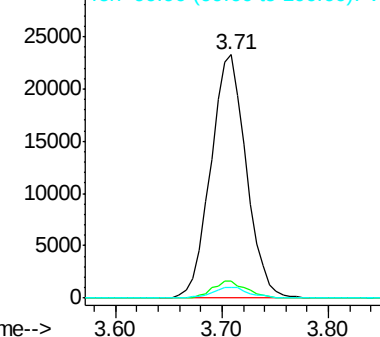
63 100

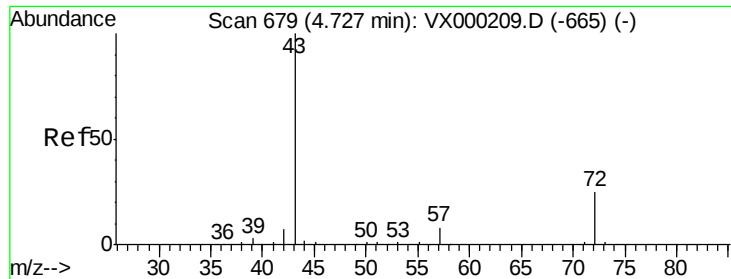
98 6.8 3.1 9.4

100 4.6 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 95.73 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

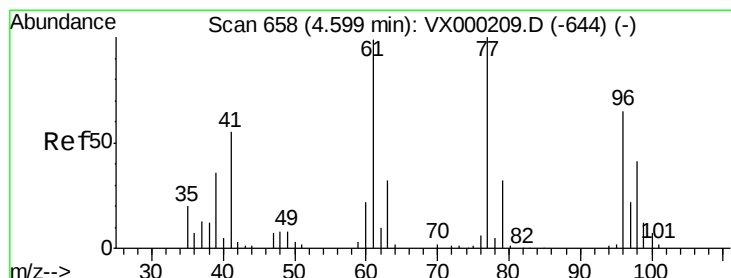
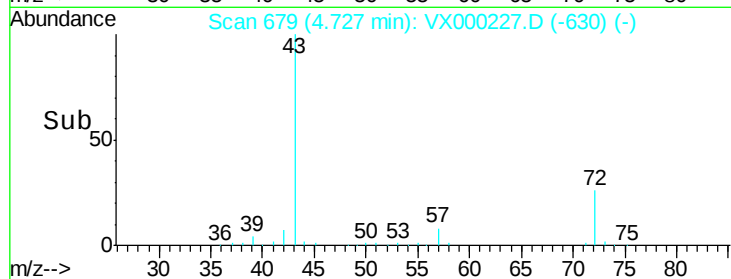
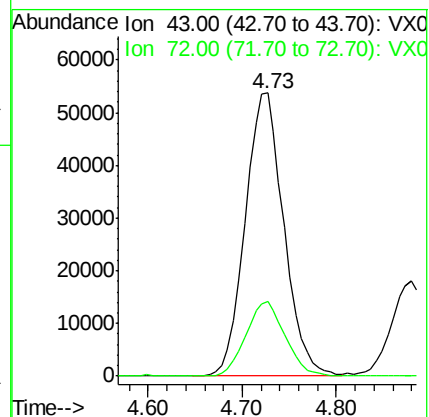
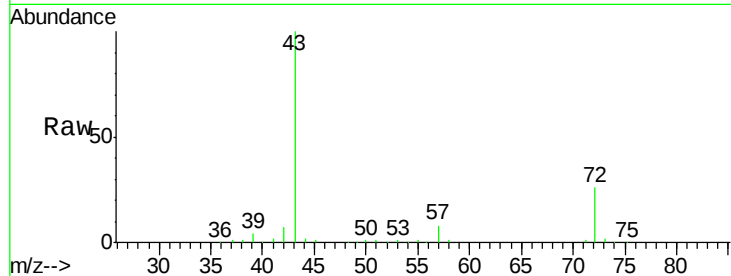
ClientSampleId :

Tot Ion: 43 Resp: 154229

Ion Ratio Lower Upper

43 100

72 26.4 20.2 30.2



#26

2,2-Dichloropropane

Concen: 18.93 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX000227.D

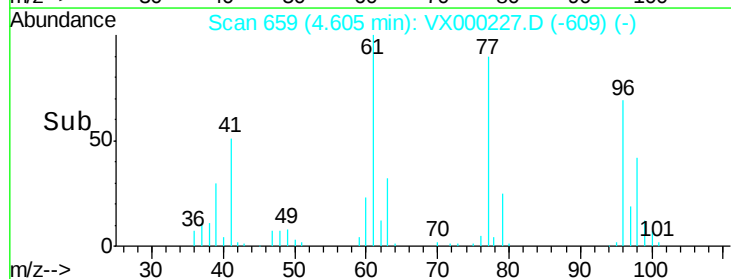
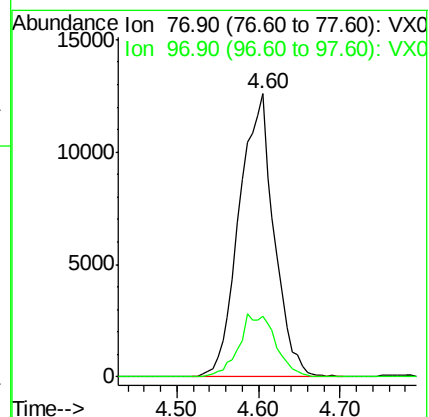
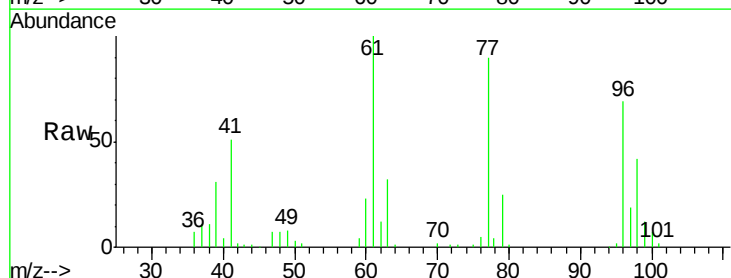
Acq: 08 Mar 2018 18:29

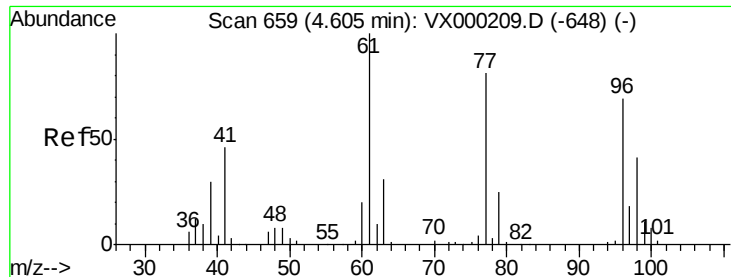
Tgt Ion: 77 Resp: 37216

Ion Ratio Lower Upper

77 100

97 23.2 11.4 34.1



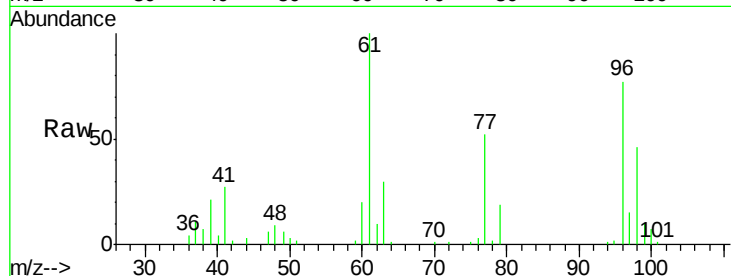


#27

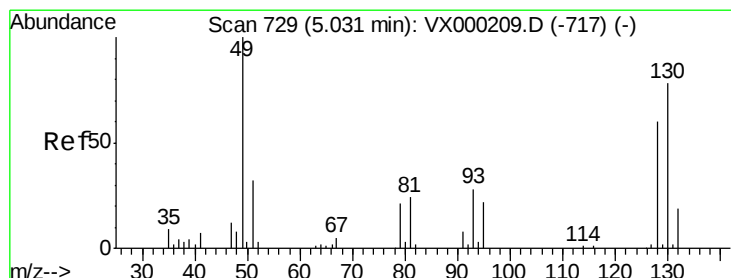
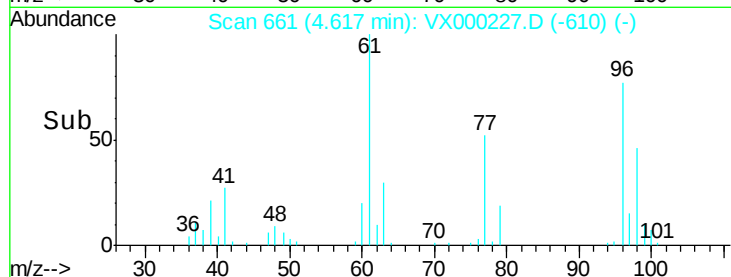
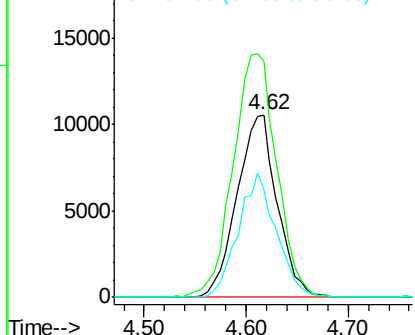
cis-1,2-Dichloroethene
Concen: 19.98 ug/l
RT: 4.62 min Scan# 661
Delta R.T. 0.01 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 96 Resp: 28810
Ion Ratio Lower Upper
96 100
61 144.9 0.0 296.4
98 64.2 0.0 130.6



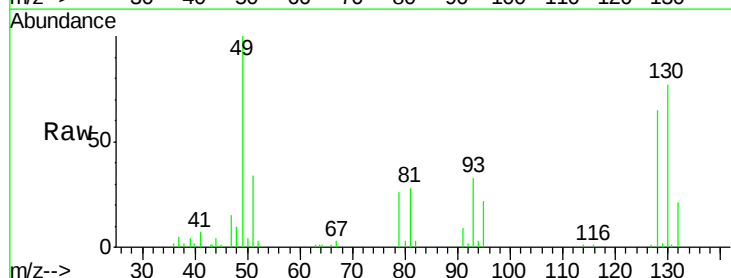
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



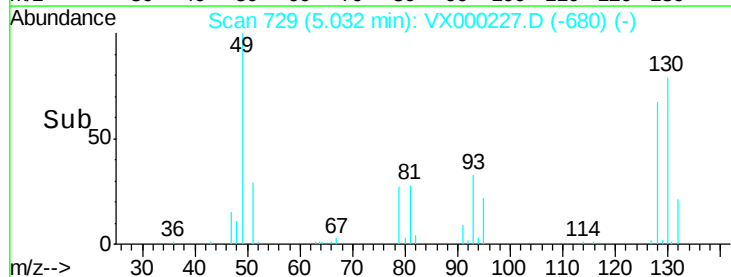
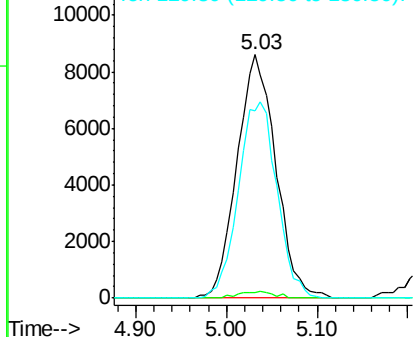
#28

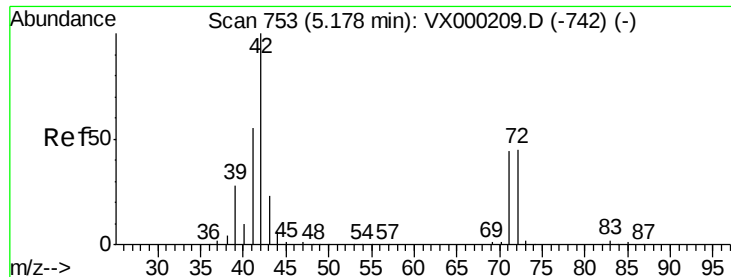
Bromochloromethane
Concen: 22.34 ug/l
RT: 5.03 min Scan# 729
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Tgt Ion: 49 Resp: 25540
Ion Ratio Lower Upper
49 100
129 2.4 0.0 5.0
130 80.0 63.5 95.3



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

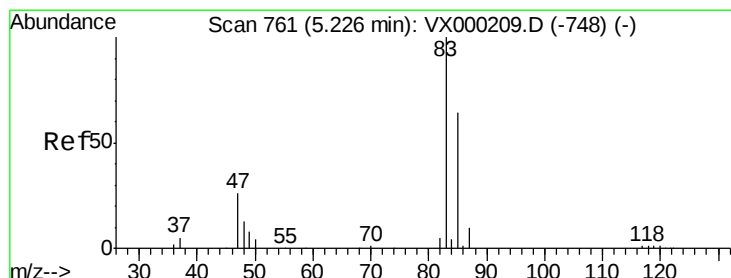
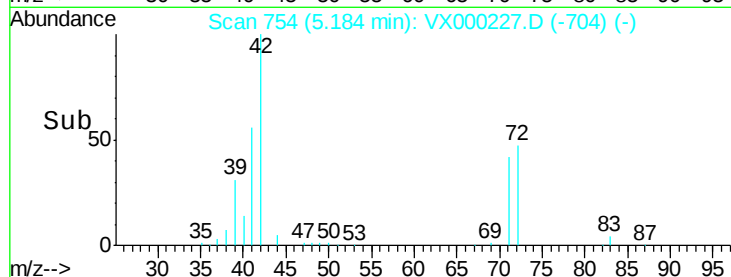
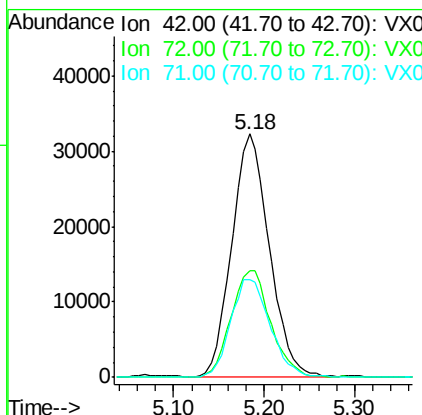
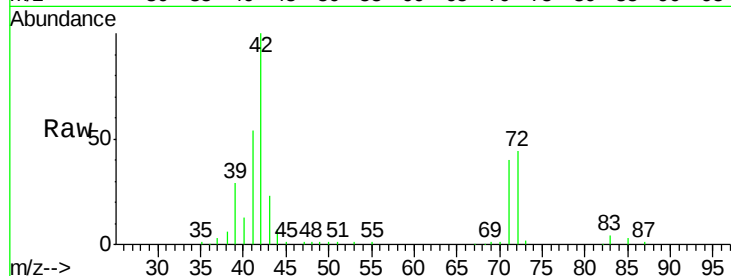




#29
Tetrahydrofuran
Concen: 92.07 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.01 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

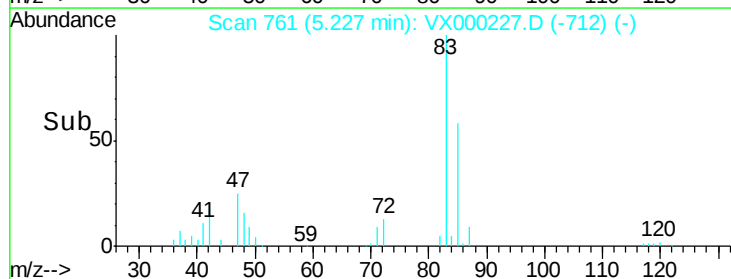
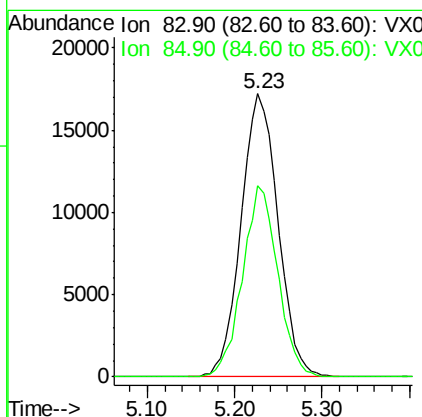
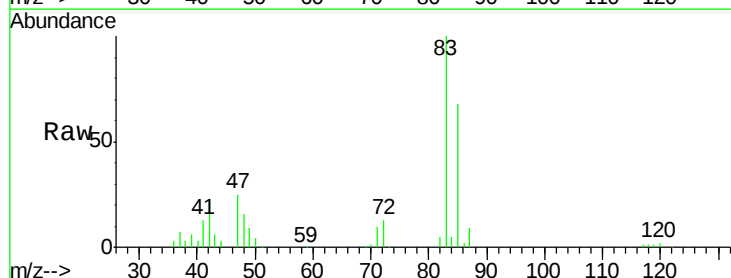
Instrument :
MSVOA_X
ClientSampled :

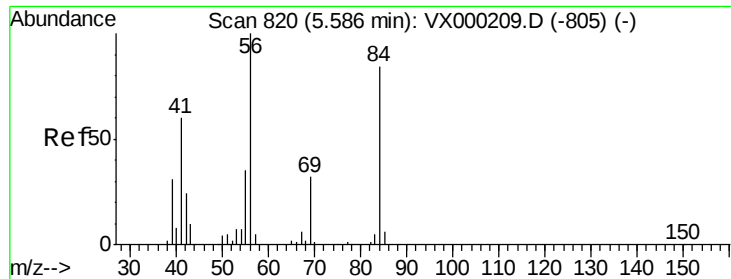
Tot Ion: 42 Resp: 93160
Ion Ratio Lower Upper
42 100
72 46.1 37.3 55.9
71 42.1 35.0 52.4



#30
Chloroform
Concen: 19.47 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Tgt Ion: 83 Resp: 50637
Ion Ratio Lower Upper
83 100
85 67.5 51.0 76.6

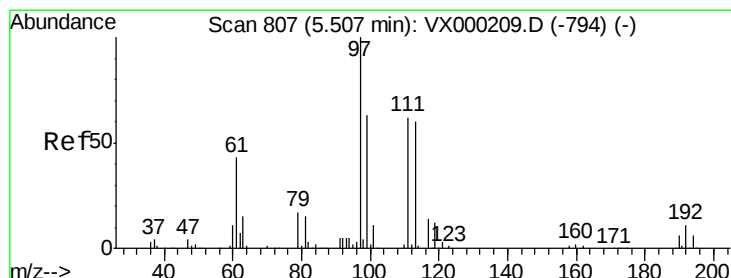
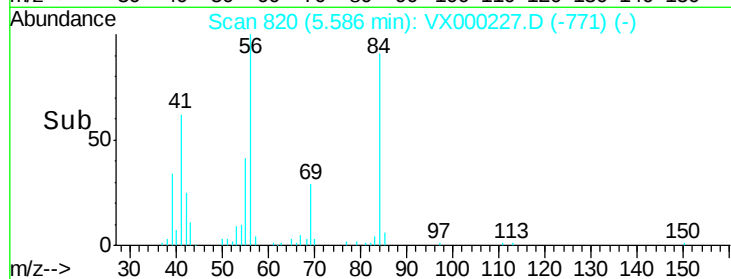
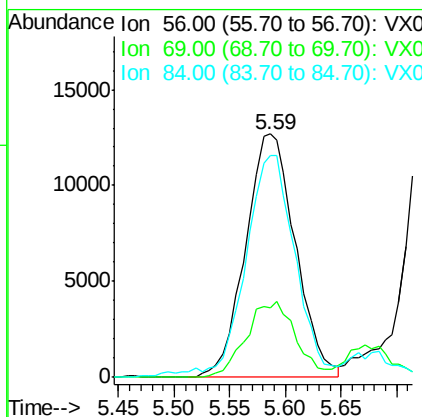
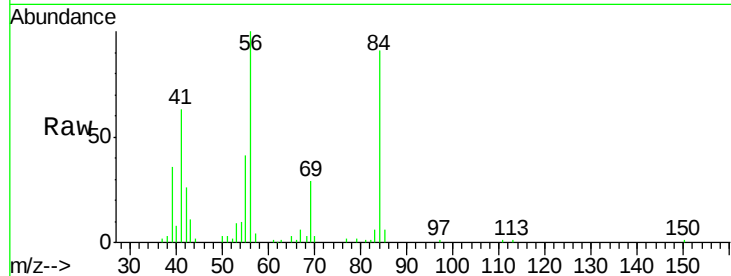




#31
Cyclohexane
Concen: 19.85 ug/l
RT: 5.59 min Scan# 820
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

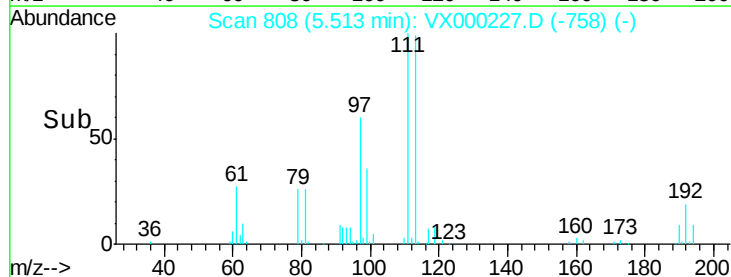
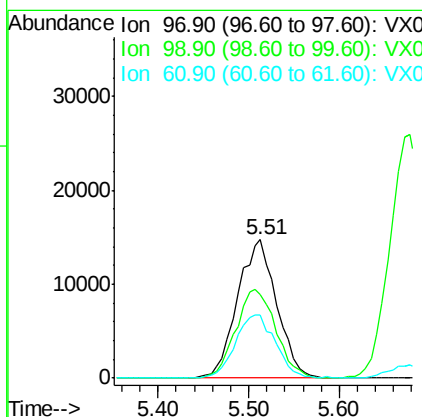
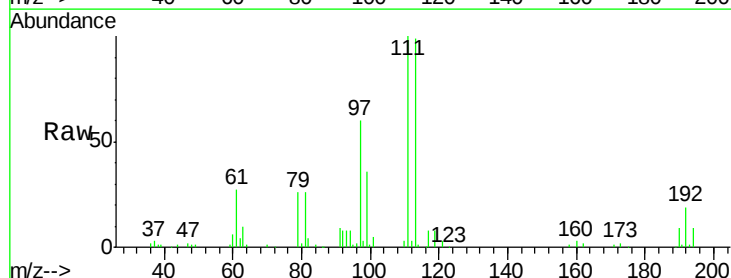
Instrument :
MSVOA_X
ClientSampleId :

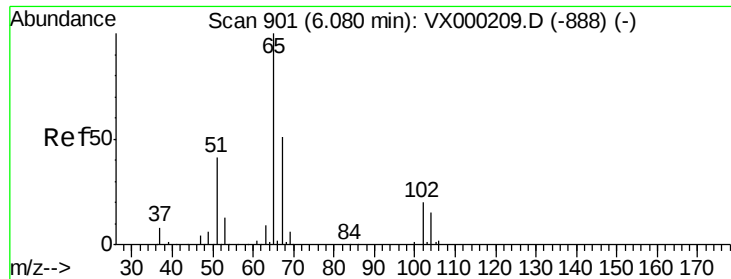
Tot Ion: 56 Resp: 39476
Ion Ratio Lower Upper
56 100
69 28.7 25.3 37.9
84 89.0 67.2 100.8



#32
1,1,1-Trichloroethane
Concen: 19.58 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.01 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Tgt Ion: 97 Resp: 44154
Ion Ratio Lower Upper
97 100
99 65.4 50.9 76.3
61 46.8 35.4 53.0





#33

1,2-Dichloroethane-d4

Concen: 49.59 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

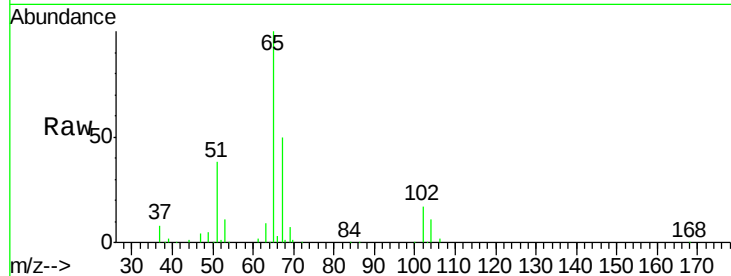
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 65 Resp: 90149

Ion Ratio Lower Upper

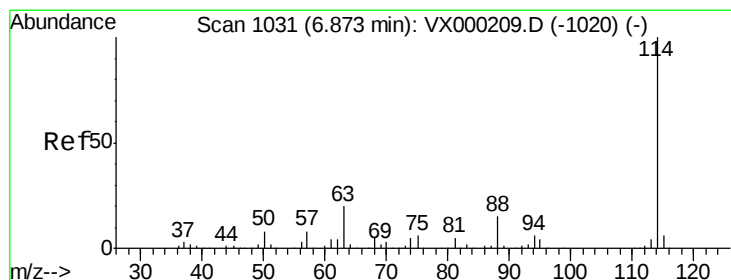
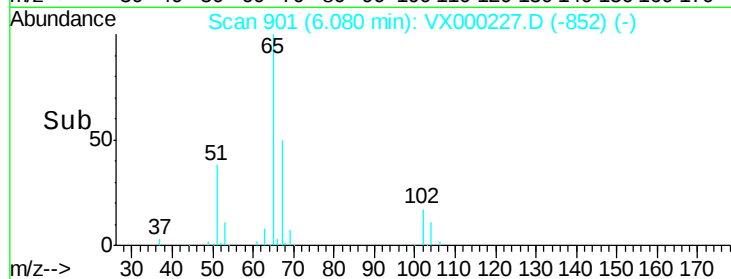
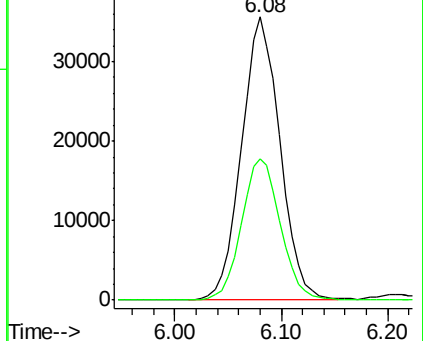
65 100

67 50.2 0.0 103.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

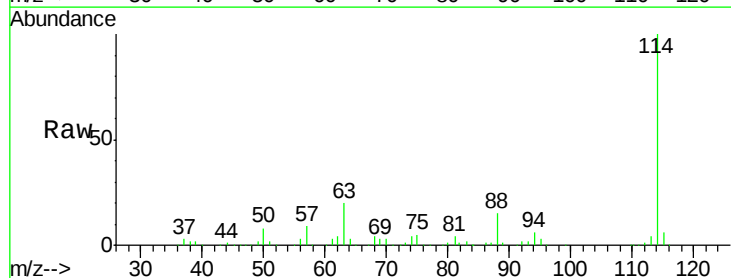
Tgt Ion:114 Resp: 228397

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.2

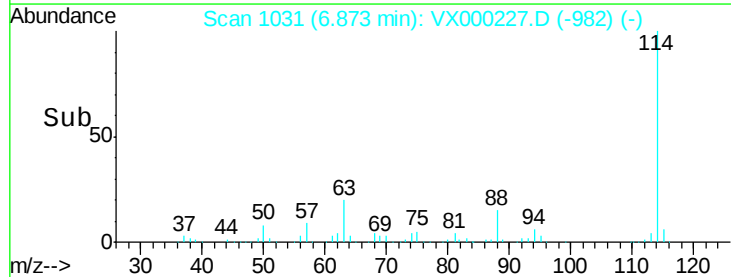
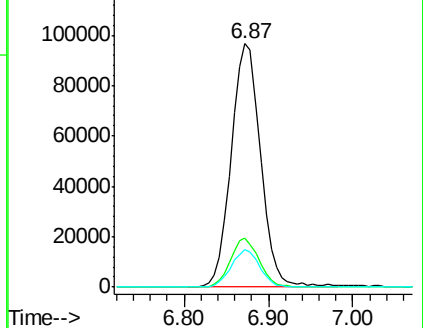
88 15.3 0.0 29.8

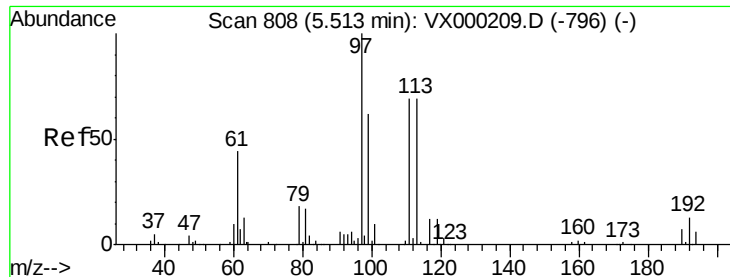


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

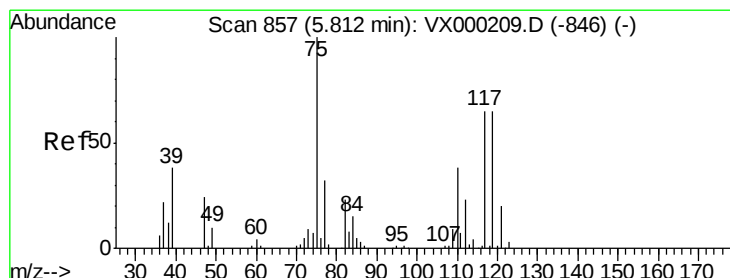
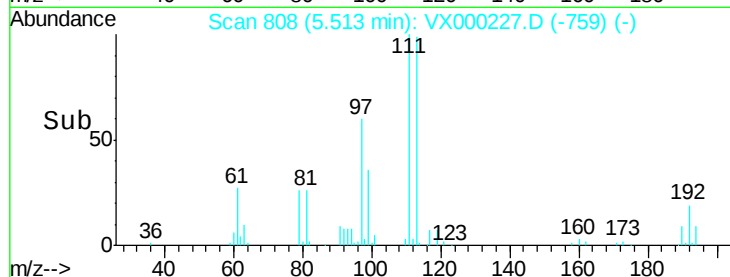
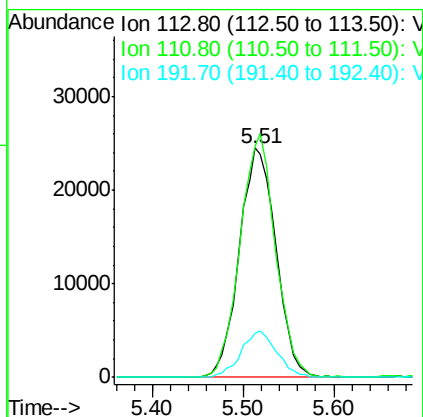
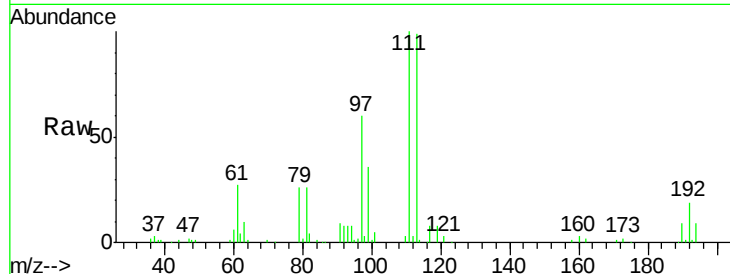




#35
 Dibromofluoromethane
 Concen: 47.77 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX000227.D
 Acq: 08 Mar 2018 18:29

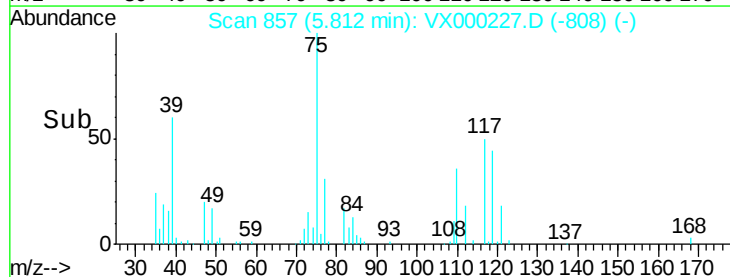
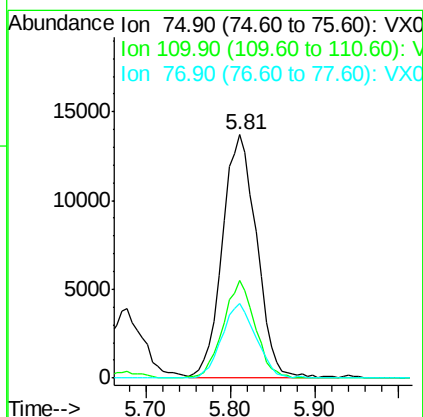
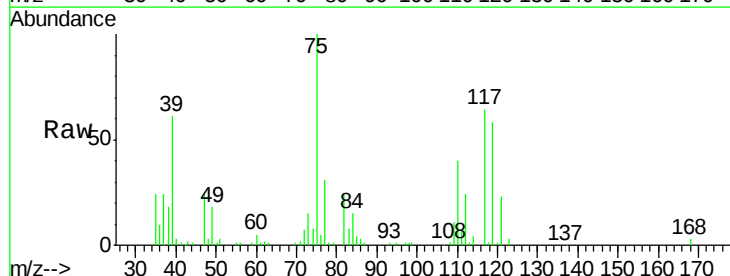
Instrument :
 MSVOA_X
 ClientSampled :

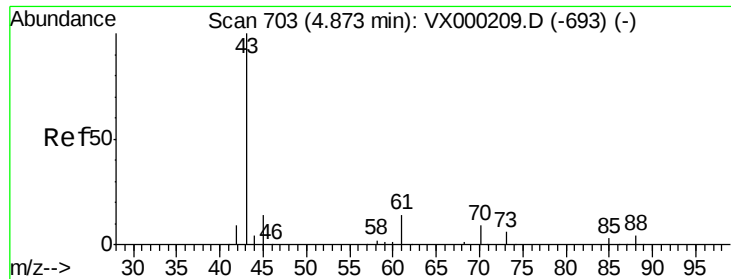
Tot Ion:113 Resp: 68542
 Ion Ratio Lower Upper
 113 100
 111 102.6 83.0 124.6
 192 19.5 15.5 23.3



#36
 1,1-Dichloropropene
 Concen: 18.78 ug/l
 RT: 5.81 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VX000227.D
 Acq: 08 Mar 2018 18:29

Tgt Ion: 75 Resp: 38166
 Ion Ratio Lower Upper
 75 100
 110 36.9 17.8 53.5
 77 30.2 24.9 37.3

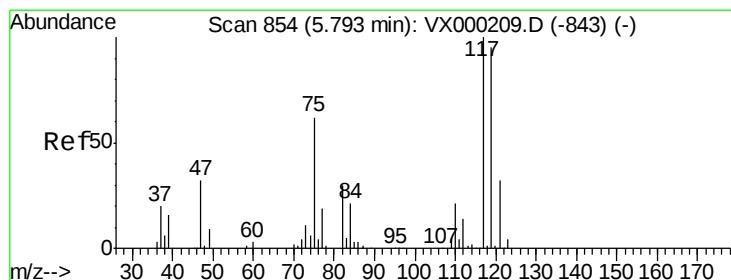
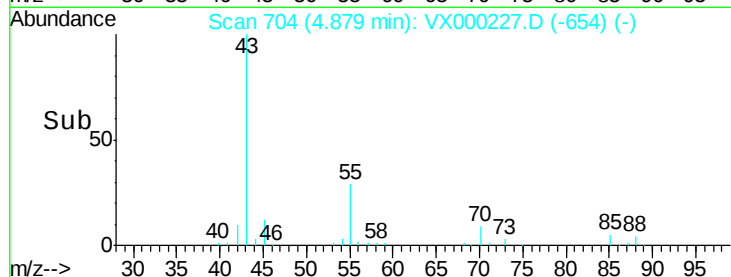
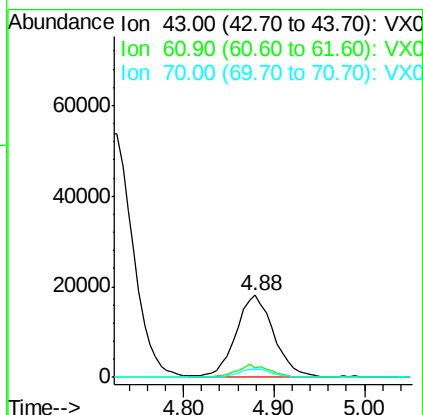
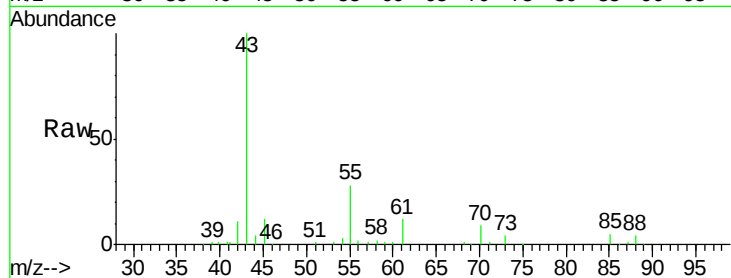




#37
Ethyl Acetate
Concen: 17.58 ug/l
RT: 4.88 min Scan# 704
Delta R.T. 0.01 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

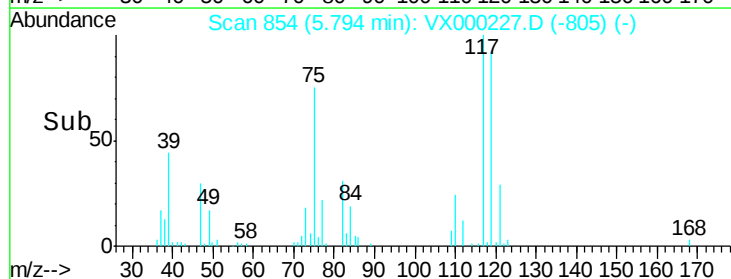
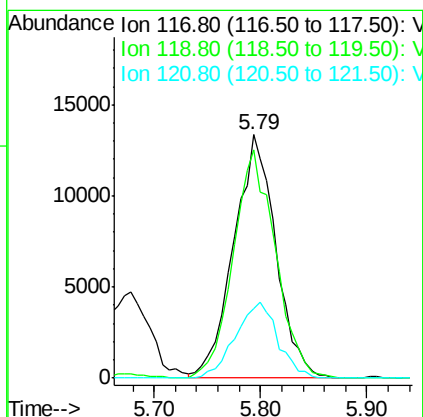
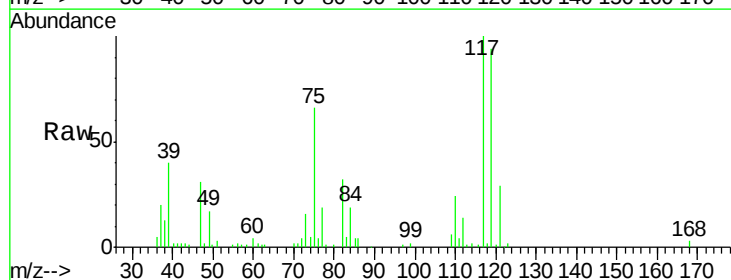
Instrument :
MSVOA_X
ClientSampleId :

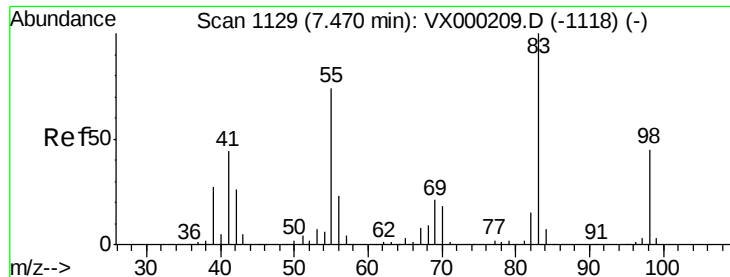
Tot Ion: 43 Resp: 51637
Ion Ratio Lower Upper
43 100
61 13.6 11.0 16.6
70 9.6 7.8 11.6



#38
Carbon Tetrachloride
Concen: 17.96 ug/l
RT: 5.79 min Scan# 854
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Tgt Ion: 117 Resp: 36945
Ion Ratio Lower Upper
117 100
119 93.9 75.9 113.9
121 28.8 25.8 38.6

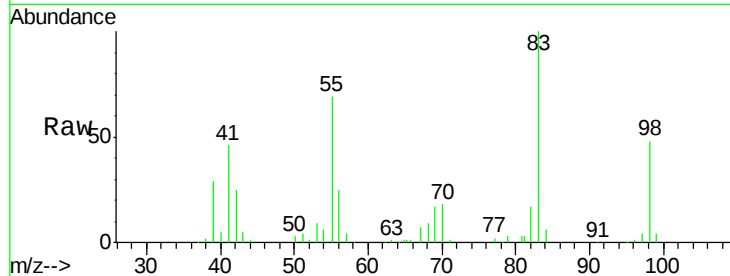




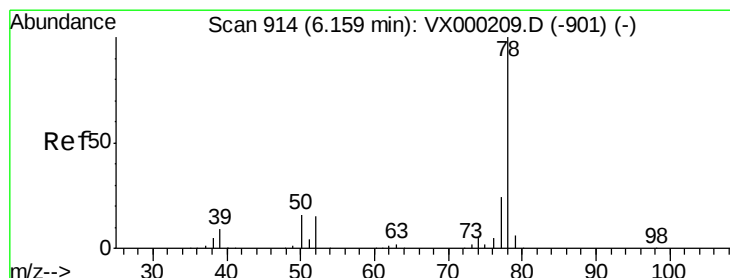
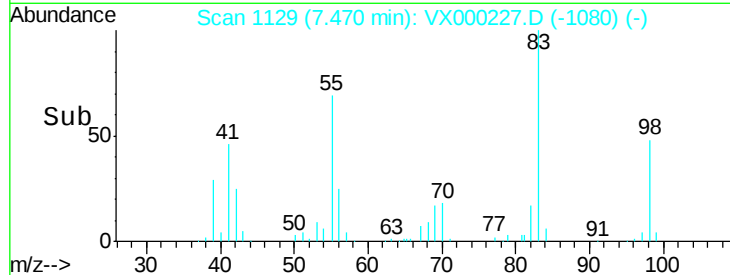
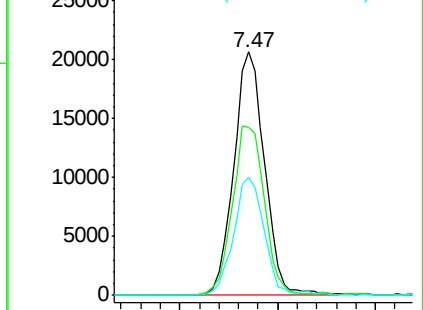
#39
Methvlcvclohexane
Concen: 18.10 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 83 Resp: 45146
Ion Ratio Lower Upper
83 100
55 68.9 59.4 89.0
98 48.4 36.3 54.5

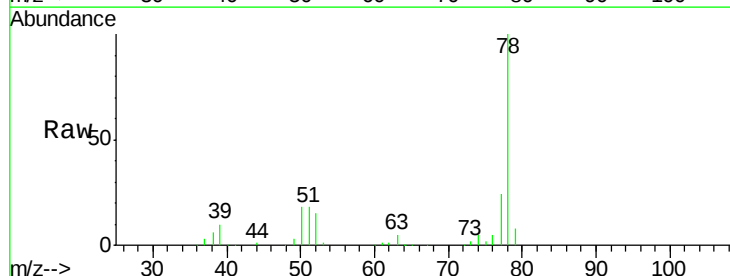


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

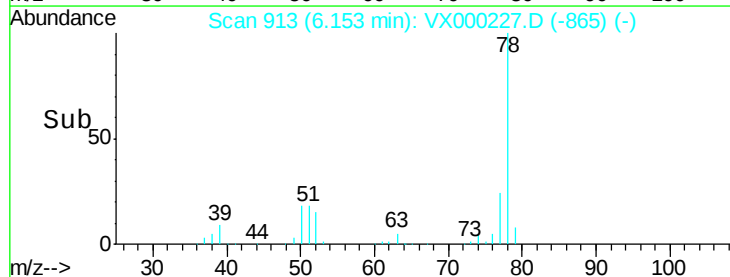
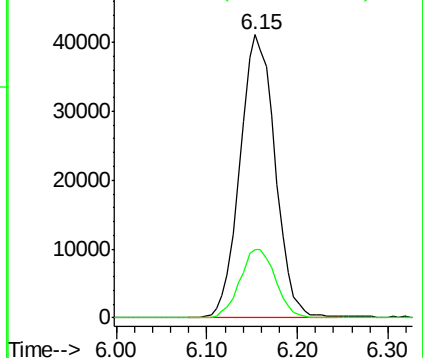


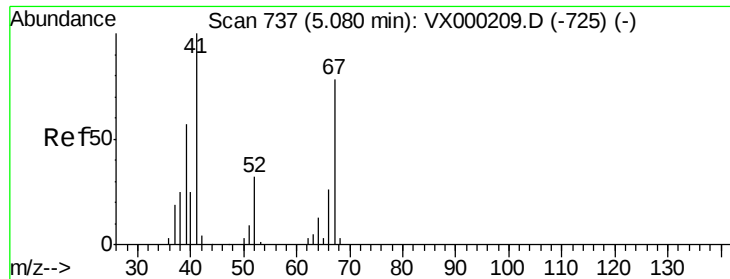
#40
Benzene
Concen: 18.85 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.01 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Tgt Ion: 78 Resp: 110501
Ion Ratio Lower Upper
78 100
77 24.0 19.4 29.2



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

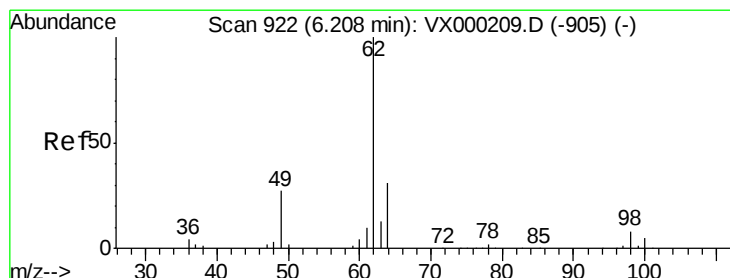
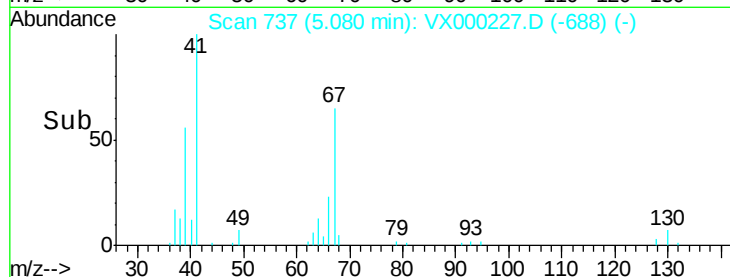
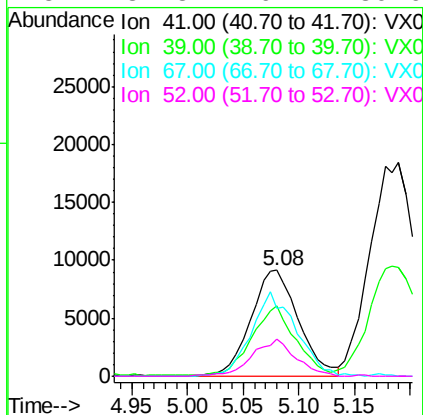
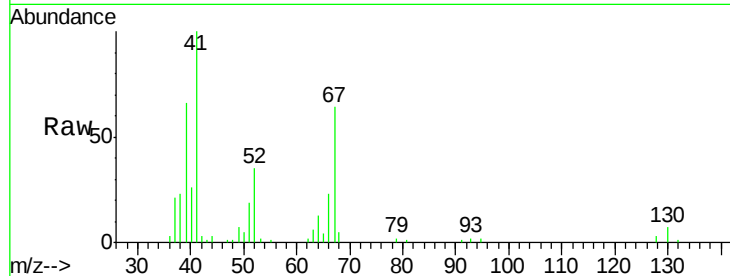




#41
Methacrylonitrile
Concen: 18.19 ug/l
RT: 5.08 min Scan# 737
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

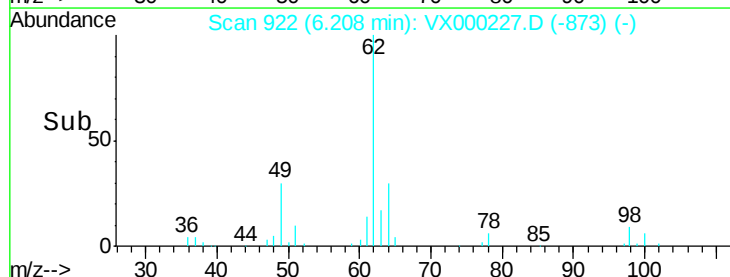
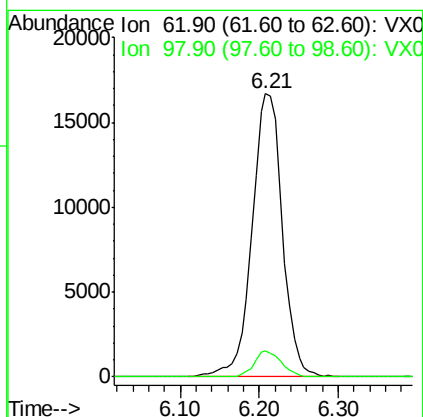
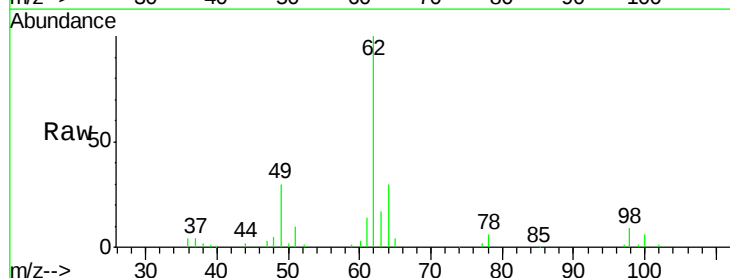
Instrument :
MSVOA_X
ClientSampled :

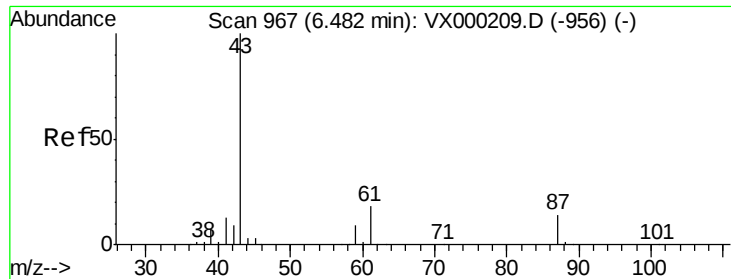
Tot Ion:	41	Resp:	27230
Ion	Ratio	Lower	Upper
41	100		
39	59.4	47.8	71.6
67	74.6	59.3	88.9
52	31.8	26.4	39.6



#42
1,2-Dichloroethane
Concen: 19.31 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Tgt Ion:	62	Resp:	44391
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.2



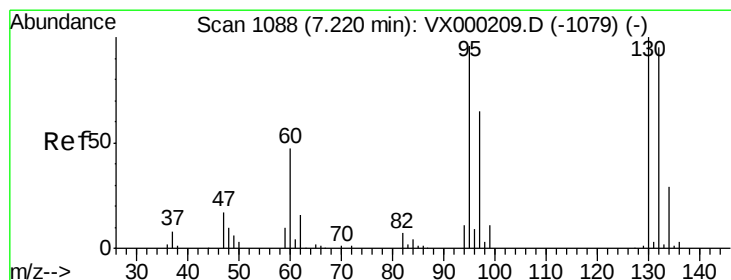
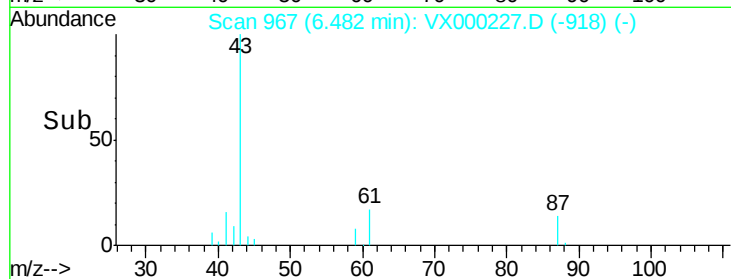
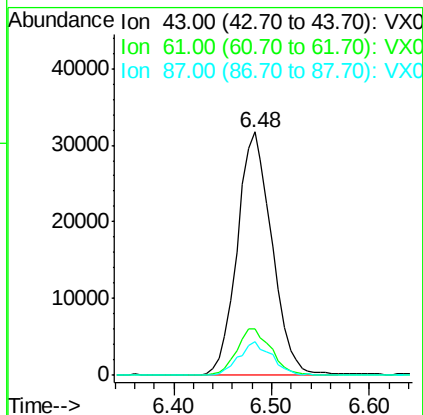
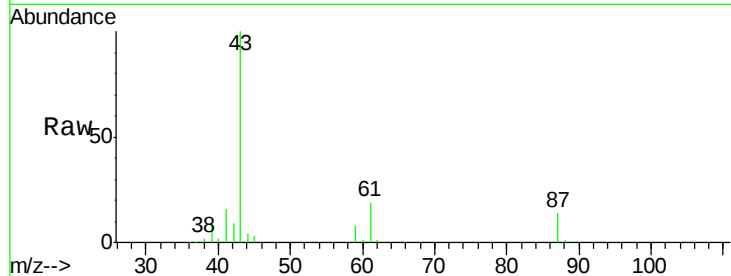


#43

Isopropyl Acetate
 Concen: 18.42 ug/l
 RT: 6.48 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VX000227.D
 Acq: 08 Mar 2018 18:29

Instrument :
 MSVOA_X
 ClientSampleId :

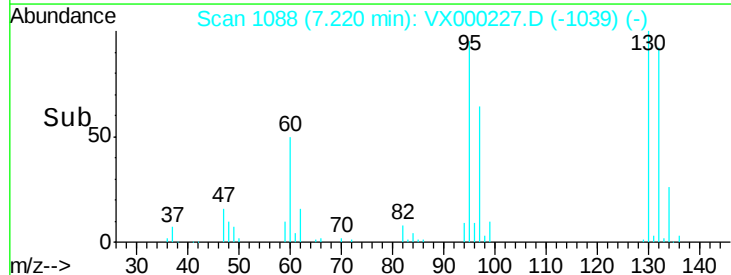
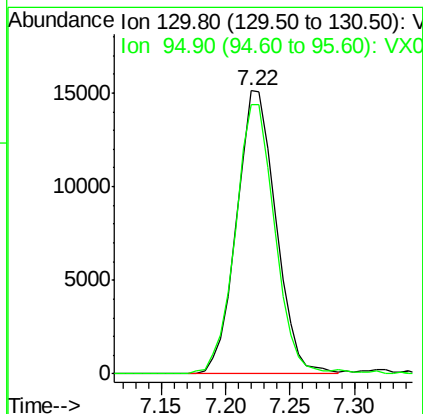
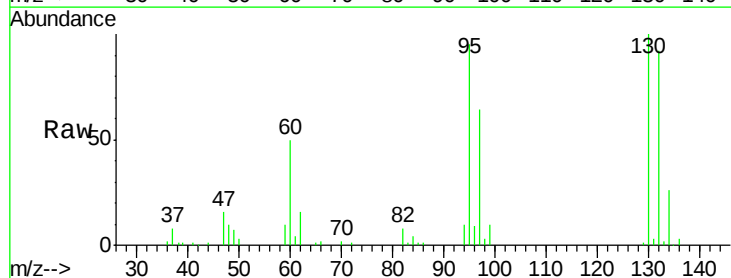
Tot Ion: 43 Resp: 78225
 Ion Ratio Lower Upper
 43 100
 61 19.0 14.8 22.2
 87 13.1 10.6 16.0

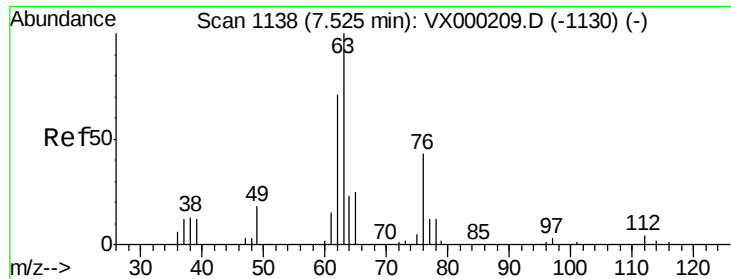


#44

Trichloroethene
 Concen: 19.08 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX000227.D
 Acq: 08 Mar 2018 18:29

Tgt Ion:130 Resp: 32006
 Ion Ratio Lower Upper
 130 100
 95 95.3 0.0 191.8





#45

1,2-Dichloropropane

Concen: 19.29 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

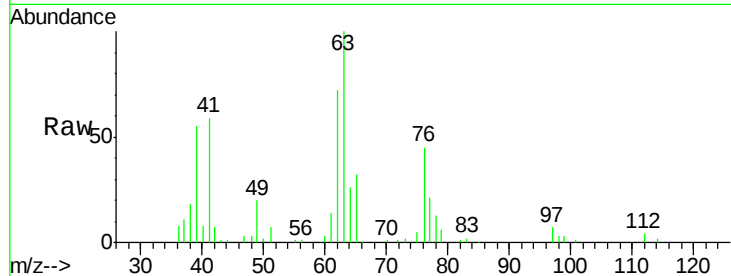
ClientSampleId :

Tot Ion: 63 Resp: 28633

Ion Ratio Lower Upper

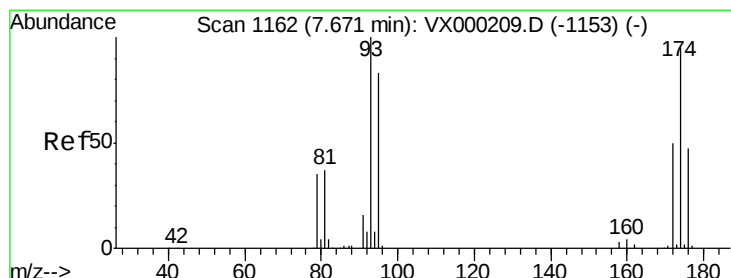
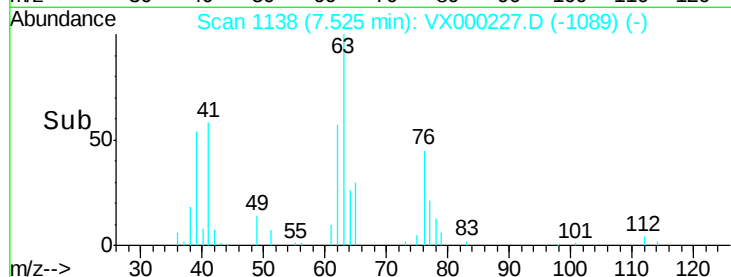
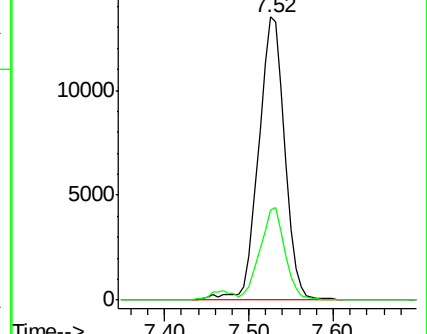
63 100

65 31.7 22.3 33.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 18.93 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

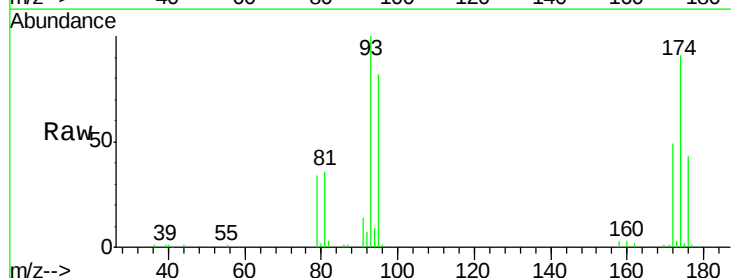
Tgt Ion: 93 Resp: 22235

Ion Ratio Lower Upper

93 100

95 82.4 64.1 96.1

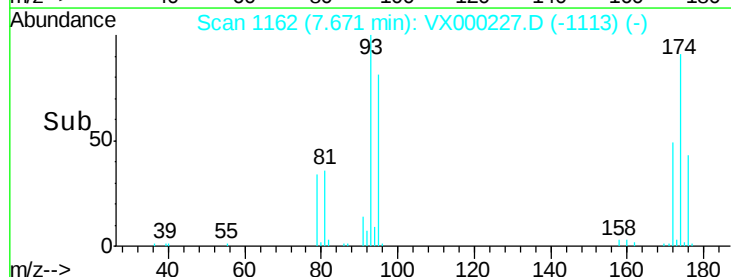
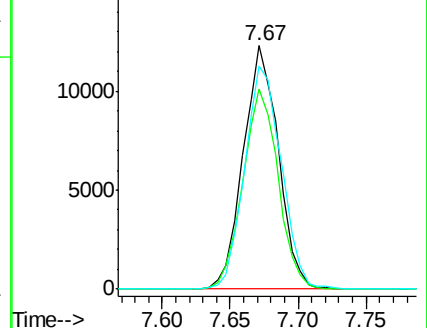
174 95.7 75.8 113.8

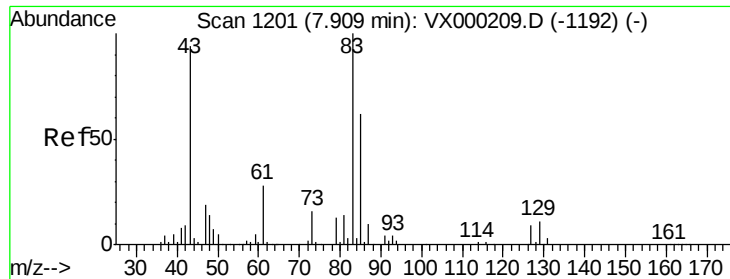


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.00 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :
MSVOA_X
ClientSampled :

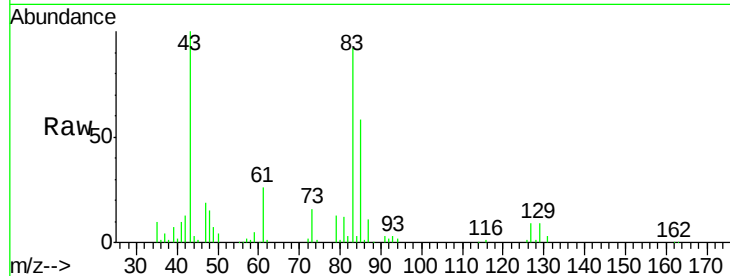
Tot Ion: 83 Resp: 39250

Ion Ratio Lower Upper

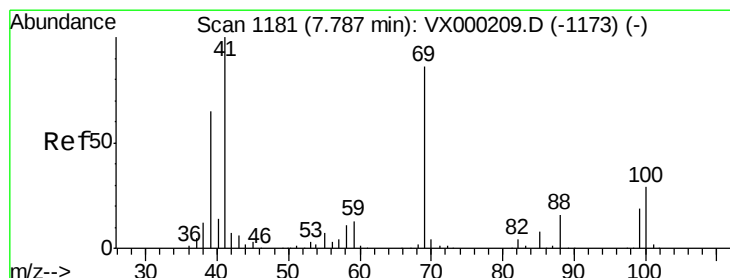
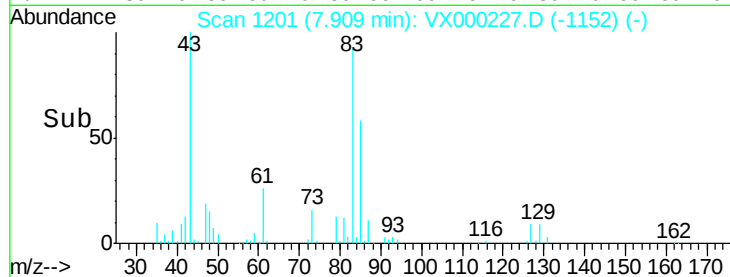
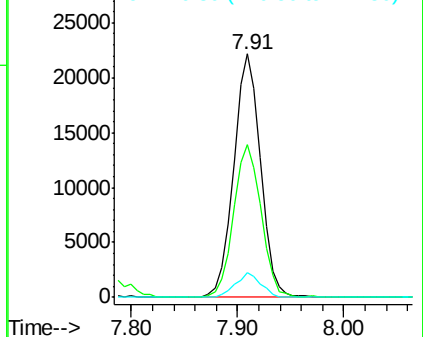
83 100

85 62.5 49.6 74.4

127 10.2 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 17.86 ug/l

RT: 7.79 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

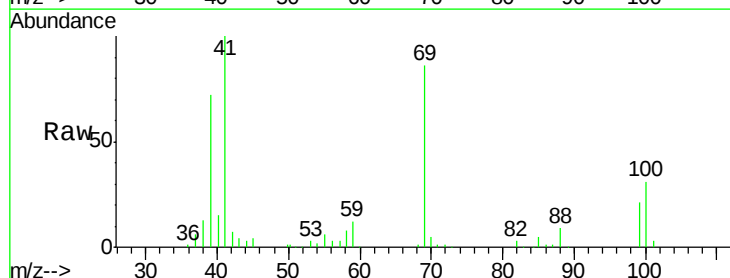
Tgt Ion: 41 Resp: 37364

Ion Ratio Lower Upper

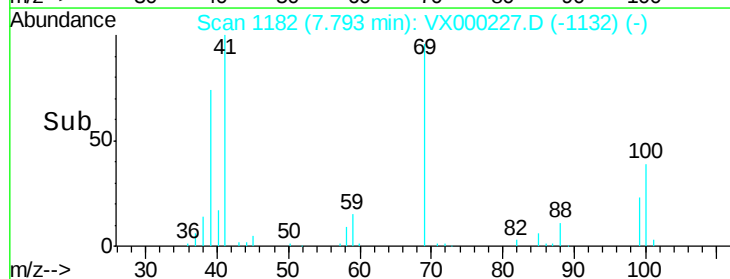
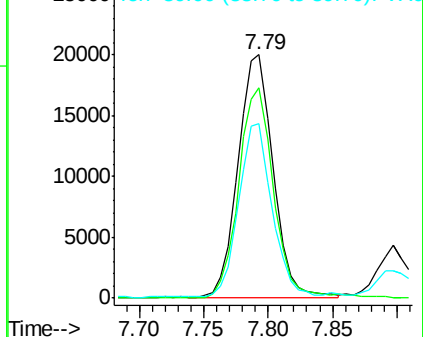
41 100

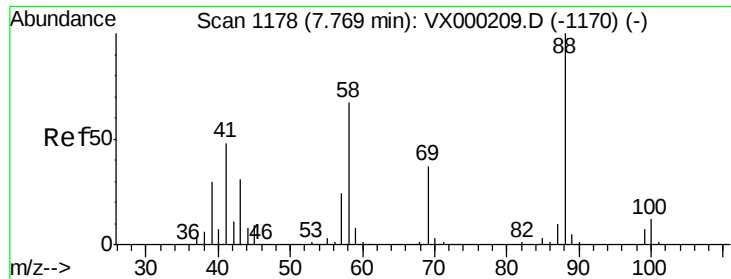
69 87.5 70.0 105.0

39 68.3 53.6 80.4



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

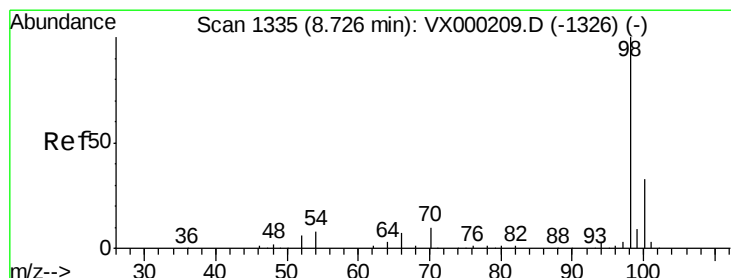
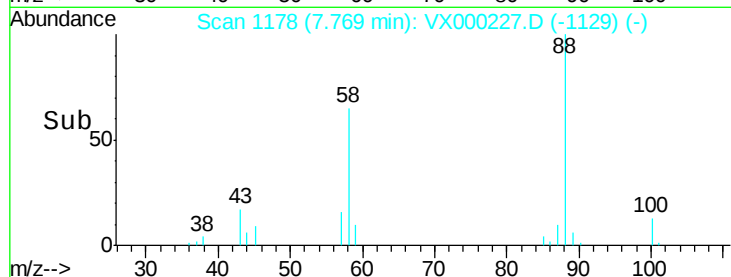
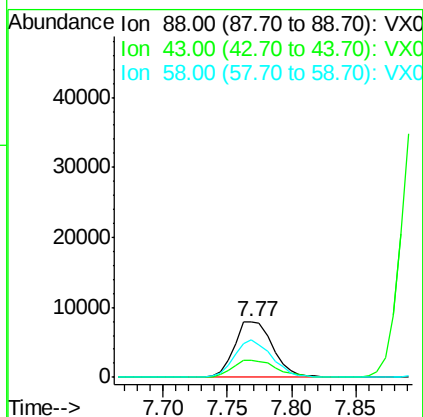
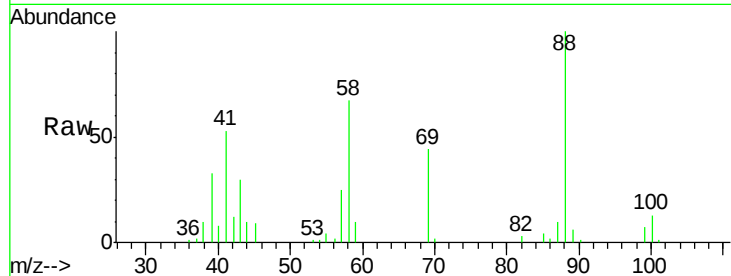




#49
1,4-Dioxane
Concen: 347.09 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

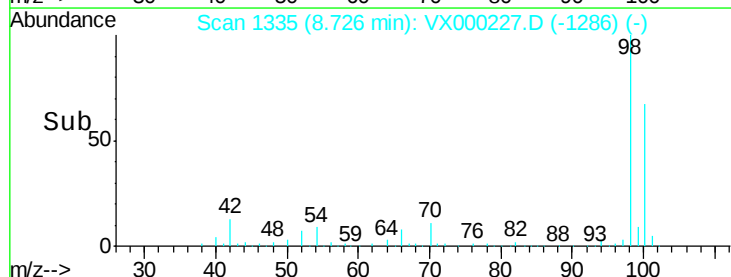
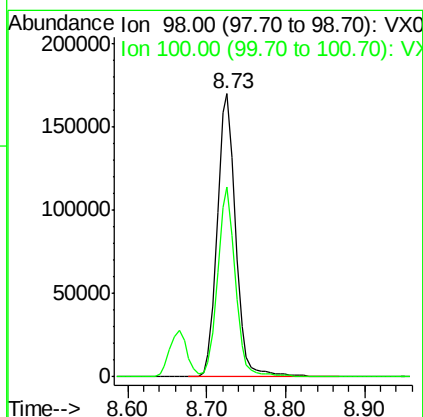
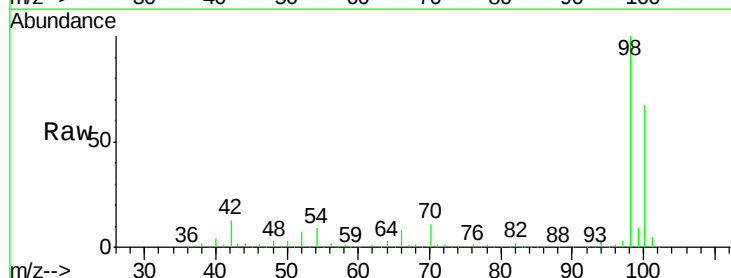
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 16480
Ion Ratio Lower Upper
88 100
43 34.2 26.9 40.3
58 65.1 52.2 78.4



#50
Toluene-d8
Concen: 46.54 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Tgt Ion: 98 Resp: 276531
Ion Ratio Lower Upper
98 100
100 64.9 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 92.90 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.01 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

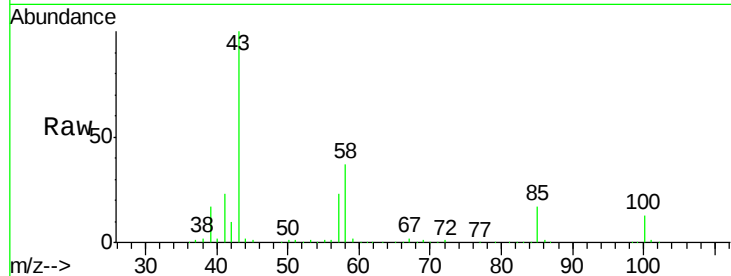
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 297748

Ion Ratio Lower Upper

43 100

58 36.5 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.66

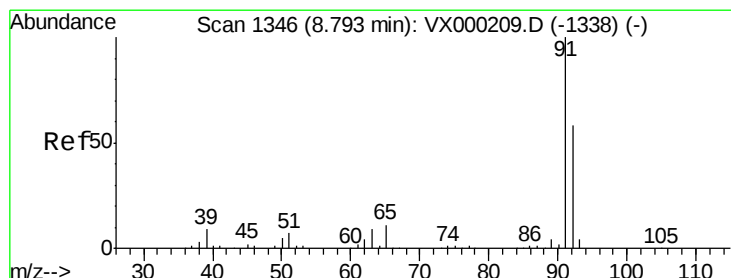
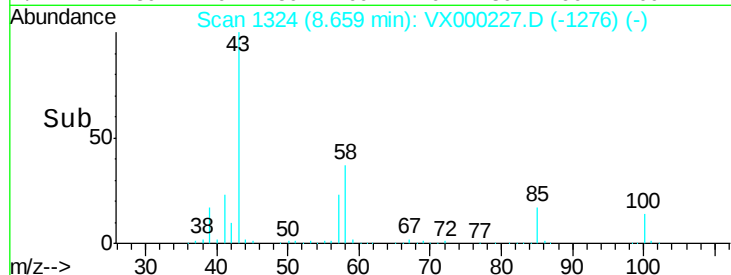
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.07 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX000227.D

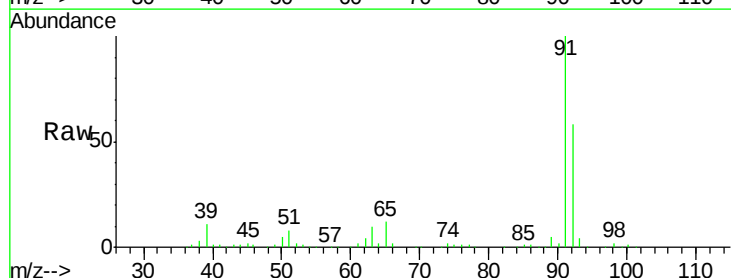
Acq: 08 Mar 2018 18:29

Tgt Ion: 92 Resp: 76608

Ion Ratio Lower Upper

92 100

91 174.7 139.0 208.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

100000

80000

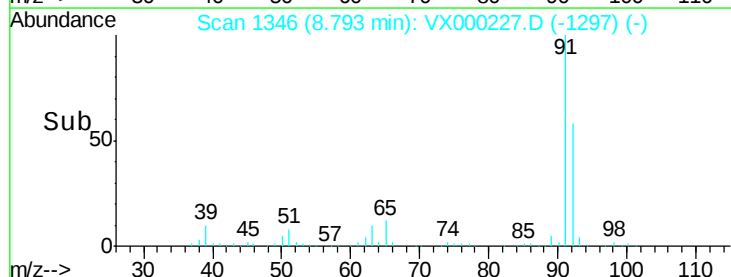
60000

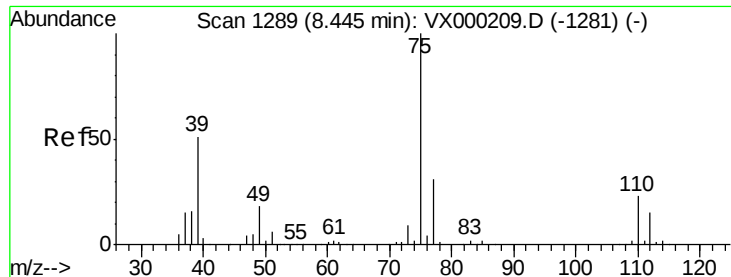
40000

20000

0

Time-->

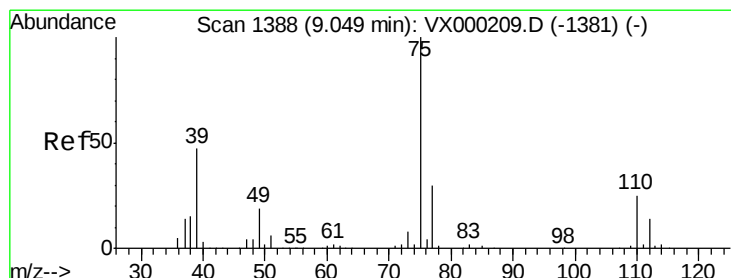
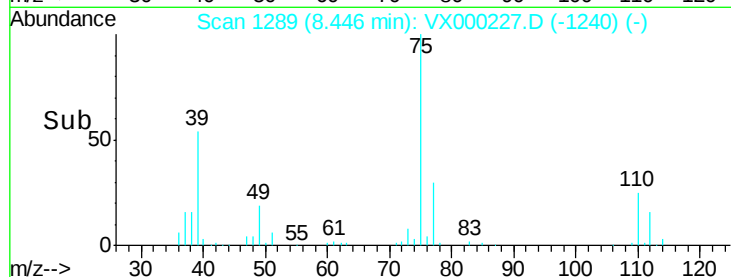
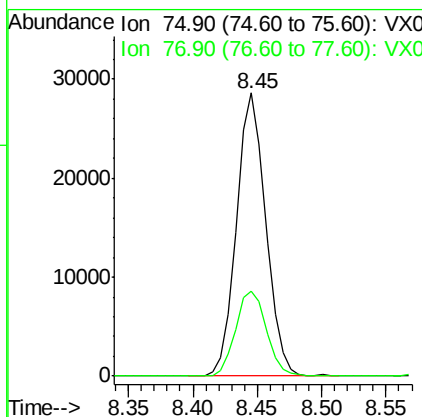
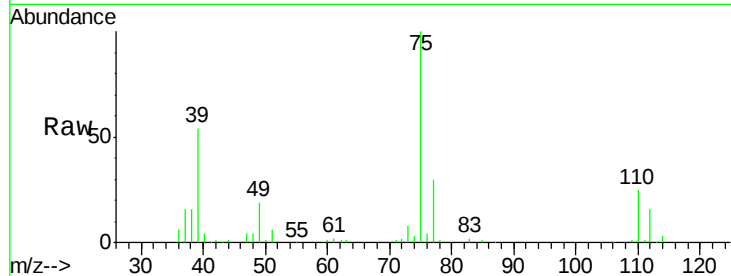




#53
 t-1,3-Dichloropropene
 Concen: 18.55 ug/l
 RT: 8.45 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: VX000227.D
 Acq: 08 Mar 2018 18:29

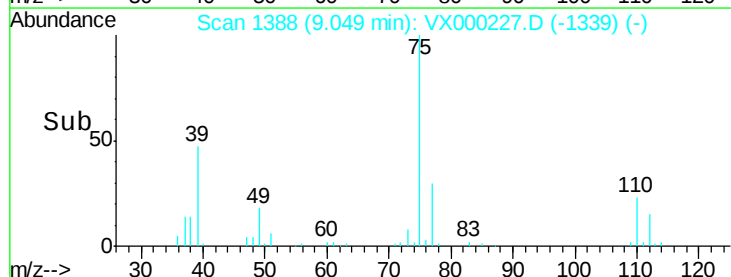
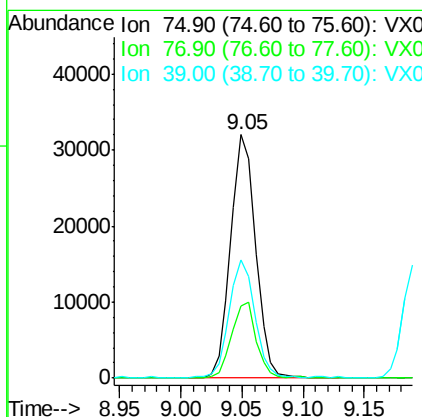
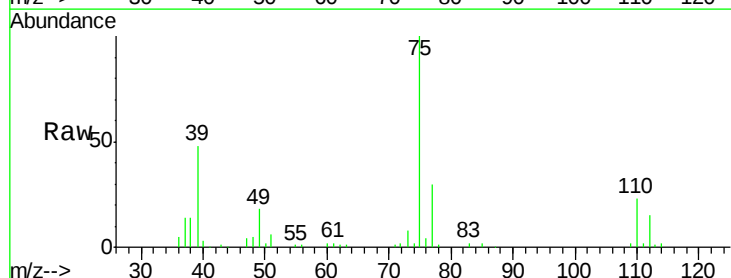
Instrument :
 MSVOA_X
 ClientSampleId :

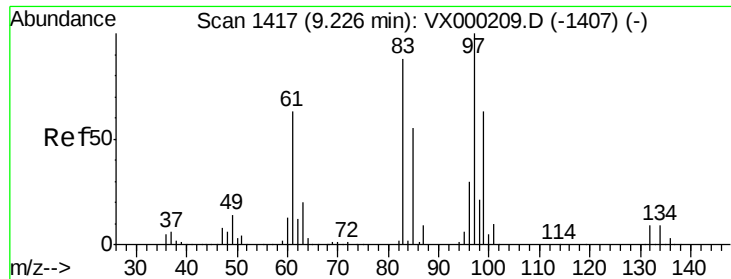
Tot Ion: 75 Resp: 45168
 Ion Ratio Lower Upper
 75 100
 77 30.1 24.8 37.2



#54
 cis-1,3-Dichloropropene
 Concen: 19.19 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX000227.D
 Acq: 08 Mar 2018 18:29

Tgt Ion: 75 Resp: 45207
 Ion Ratio Lower Upper
 75 100
 77 29.7 23.9 35.9
 39 48.2 37.4 56.2

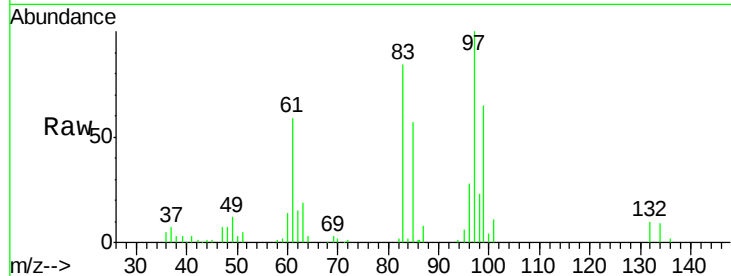




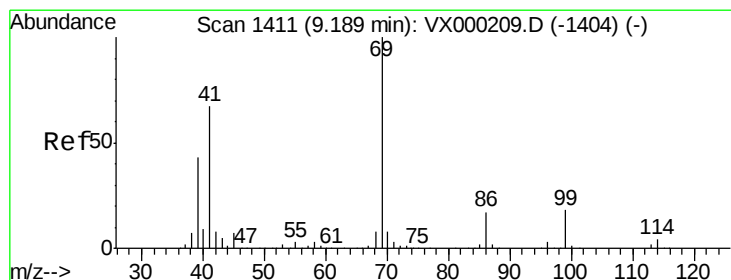
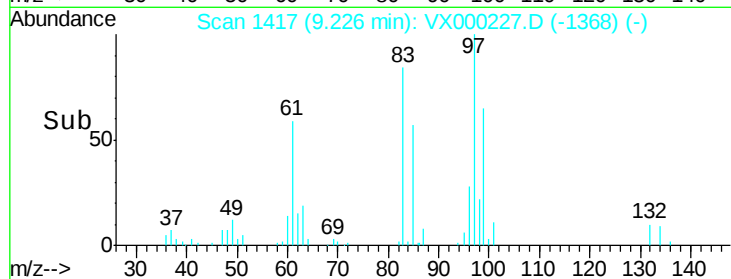
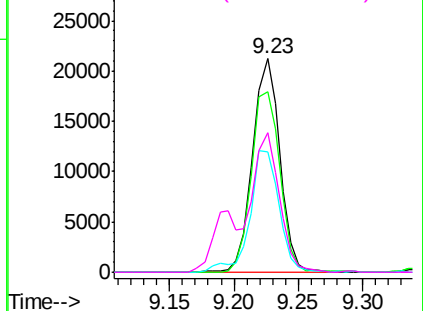
#55
 1,1,2-Trichloroethane
 Concen: 19.02 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VX000227.D
 Acq: 08 Mar 2018 18:29

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:	97	Resp:	30944
Ion	Ratio	Lower	Upper
97	100		
83	84.5	70.4	105.6
85	56.6	43.9	65.9
99	65.2	50.5	75.7

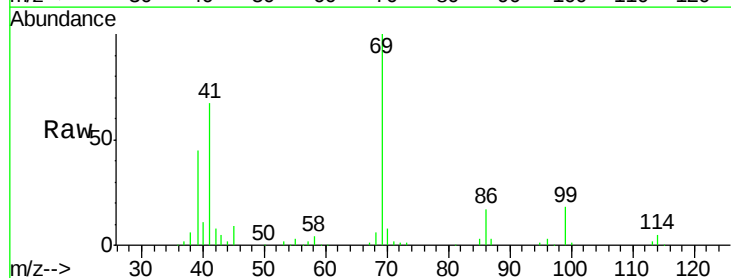


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

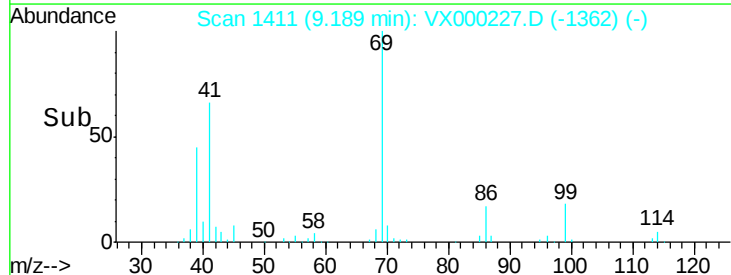
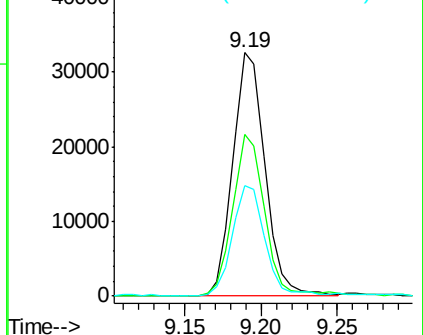


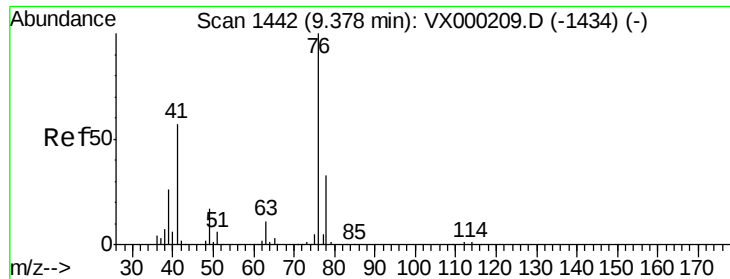
#56
 Ethyl methacrylate
 Concen: 19.69 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX000227.D
 Acq: 08 Mar 2018 18:29

Tgt Ion:	69	Resp:	47934
Ion	Ratio	Lower	Upper
69	100		
41	66.8	52.2	78.2
39	45.0	34.3	51.5



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 18.99 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

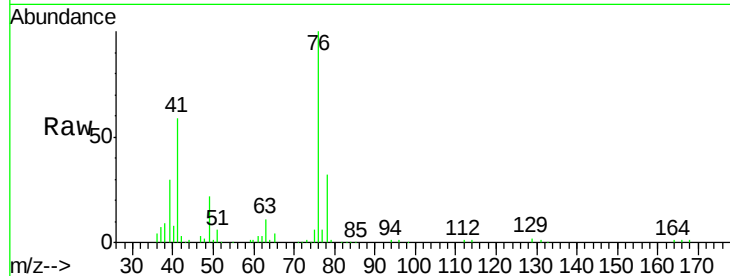
ClientSampleId :

Tot Ion: 76 Resp: 51872

Ion Ratio Lower Upper

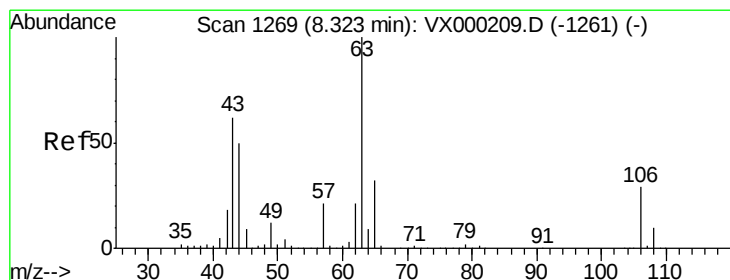
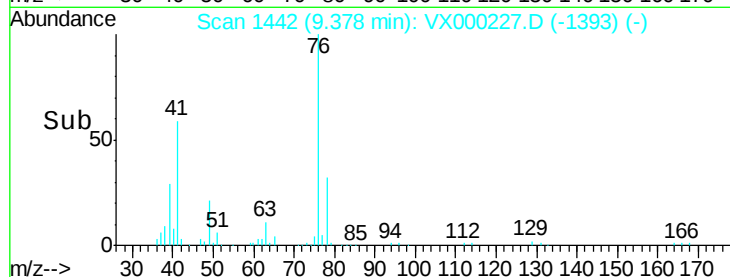
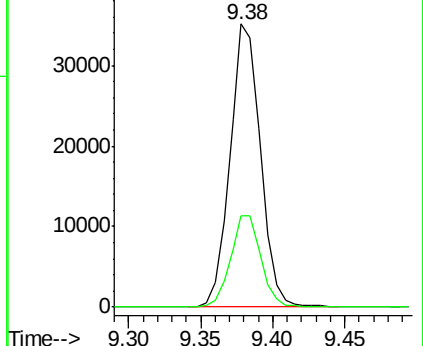
76 100

78 32.1 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 102.50 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VX000227.D

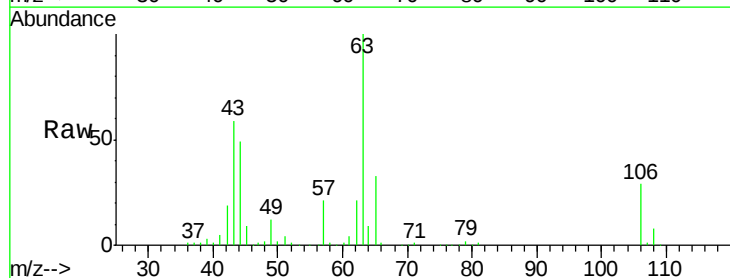
Acq: 08 Mar 2018 18:29

Tgt Ion: 63 Resp: 126012

Ion Ratio Lower Upper

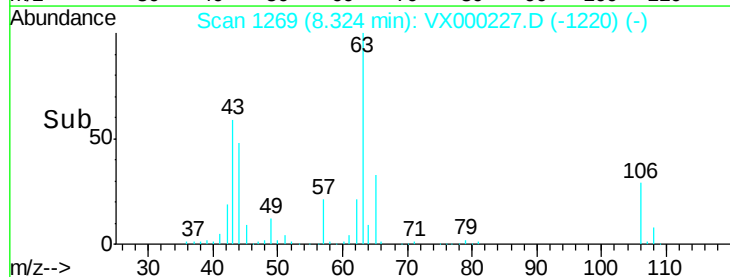
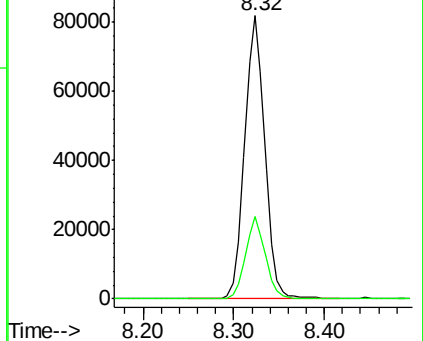
63 100

106 28.6 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

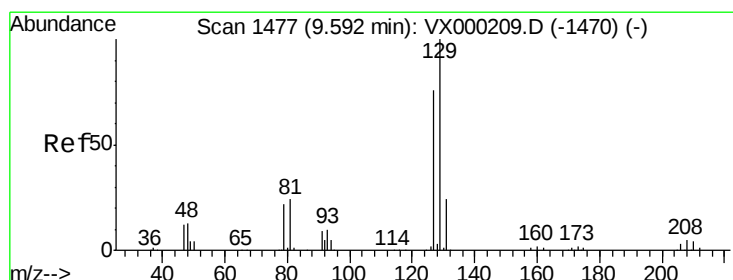
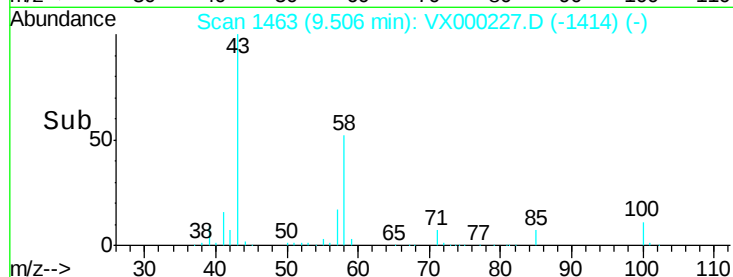
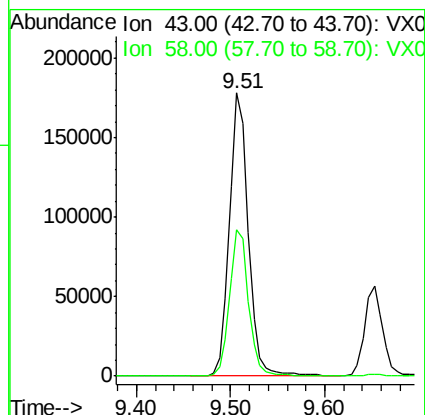
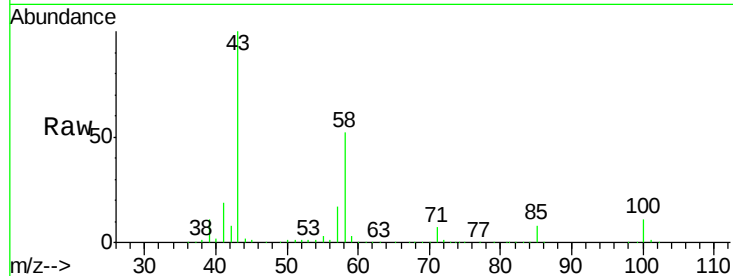




#59
2-Hexanone
Concen: 90.87 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

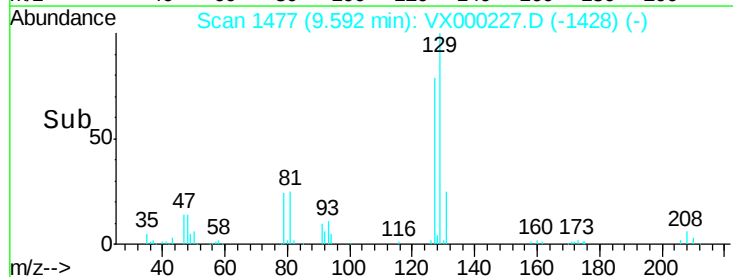
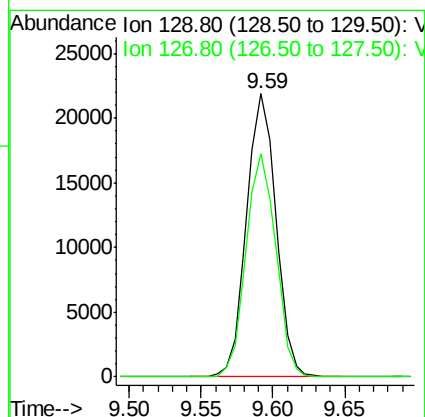
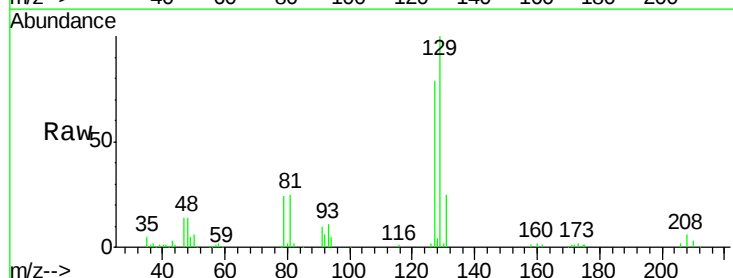
Instrument :
MSVOA_X
ClientSampleId :

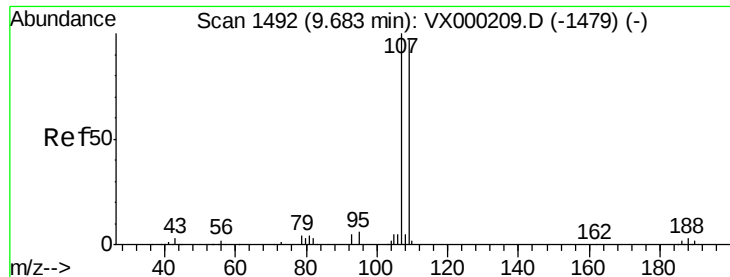
Tot Ion: 43 Resp: 248336
Ion Ratio Lower Upper
43 100
58 52.1 26.6 79.7



#60
Dibromochloromethane
Concen: 18.09 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Tgt Ion: 129 Resp: 31033
Ion Ratio Lower Upper
129 100
127 79.7 39.1 117.2





#61

1,2-Dibromoethane

Concen: 18.69 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

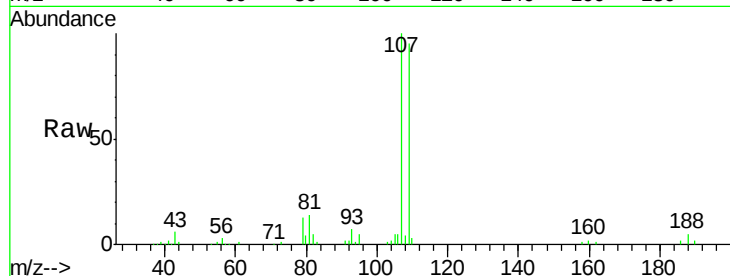
ClientSampled :

Tot Ion:107 Resp: 33764

Ion Ratio Lower Upper

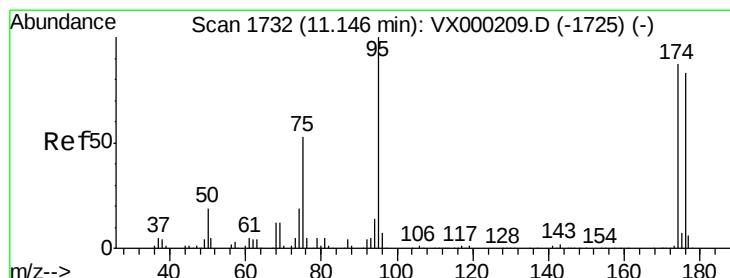
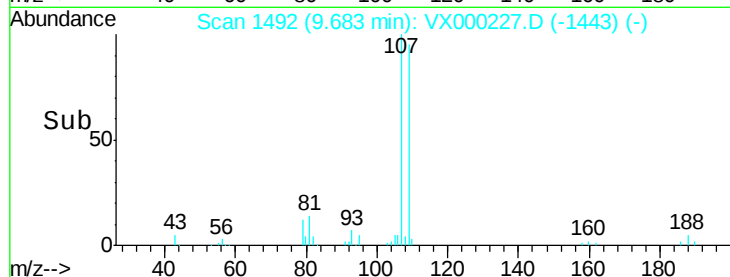
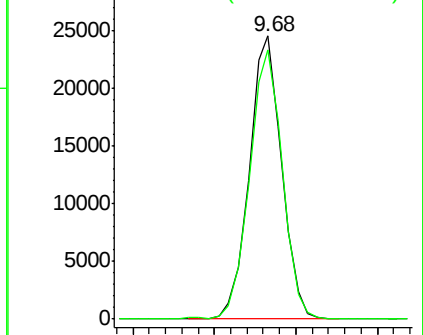
107 100

109 97.2 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.61 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

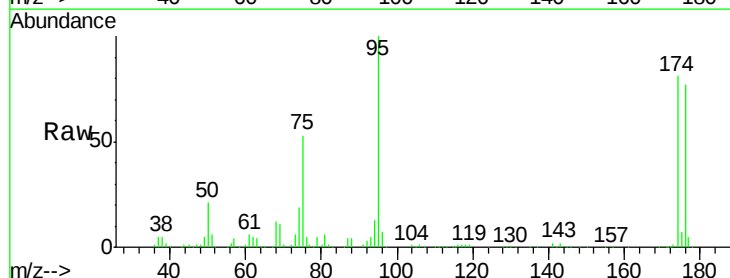
Tgt Ion: 95 Resp: 105787

Ion Ratio Lower Upper

95 100

174 84.1 0.0 175.6

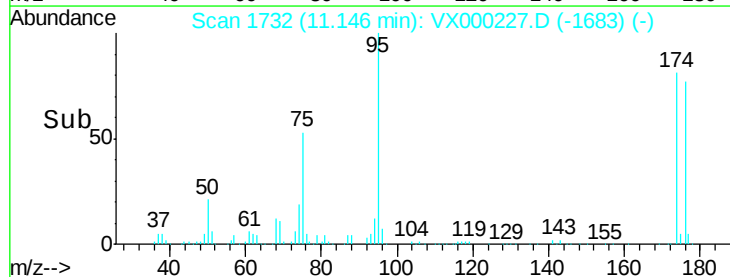
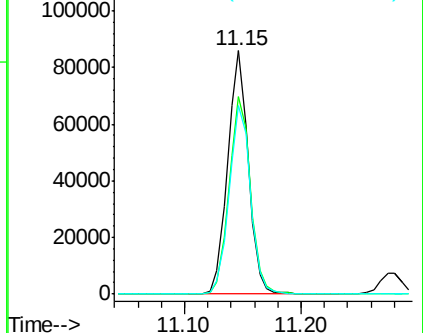
176 80.5 0.0 171.0

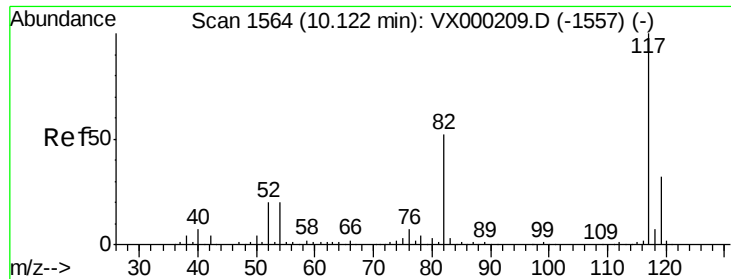


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

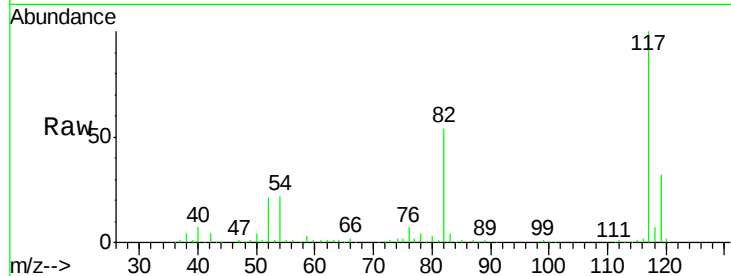




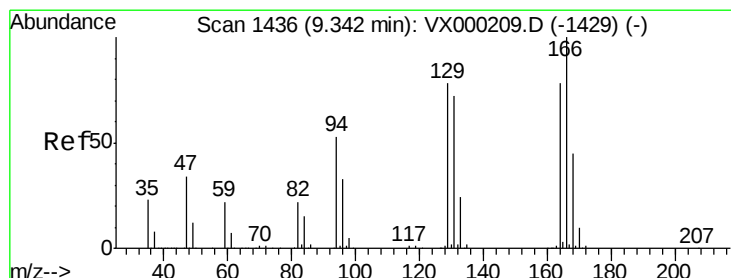
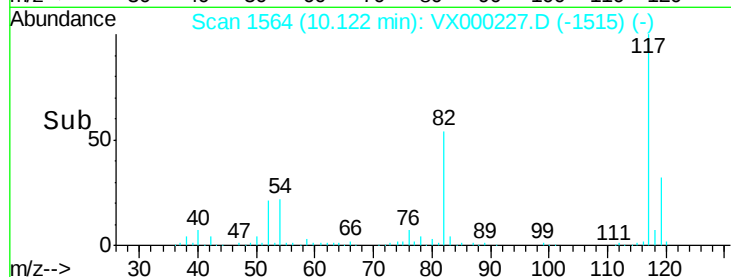
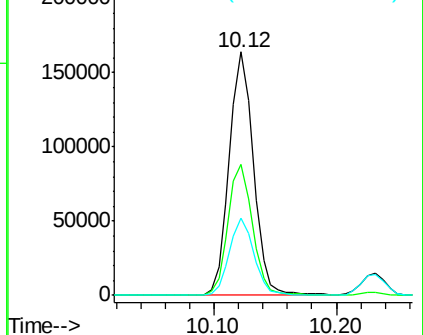
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 225909
Ion Ratio Lower Upper
117 100
82 53.9 42.0 63.0
119 32.0 25.3 37.9

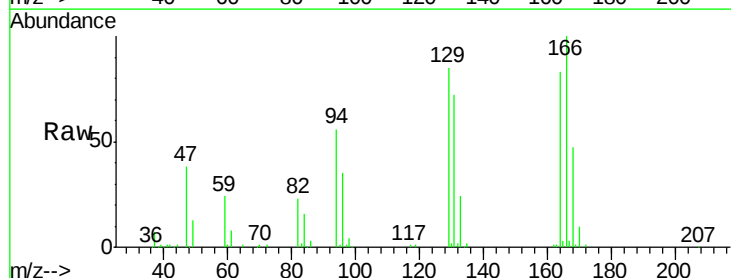


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

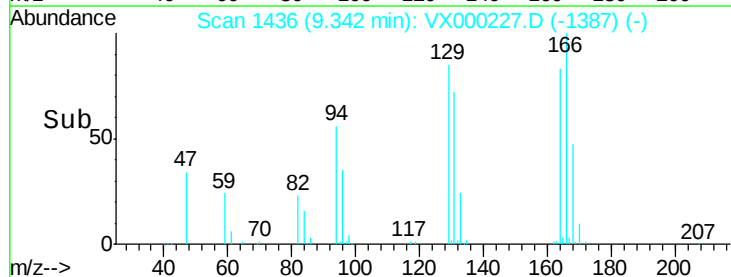
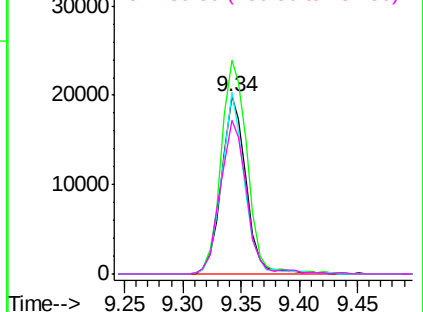


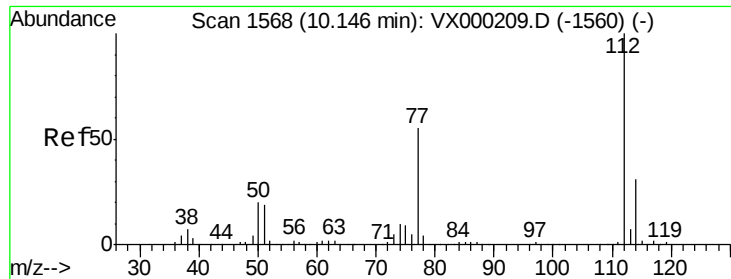
#64
Tetrachloroethene
Concen: 18.33 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Tgt Ion:164 Resp: 28969
Ion Ratio Lower Upper
164 100
166 120.1 103.0 154.6
129 102.4 80.2 120.4
131 86.5 74.2 111.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

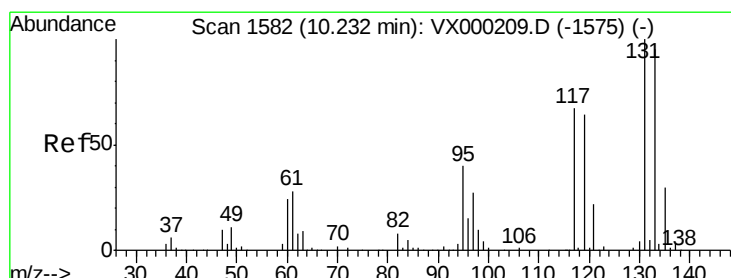
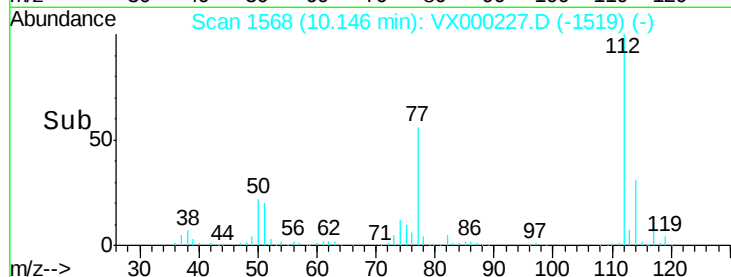
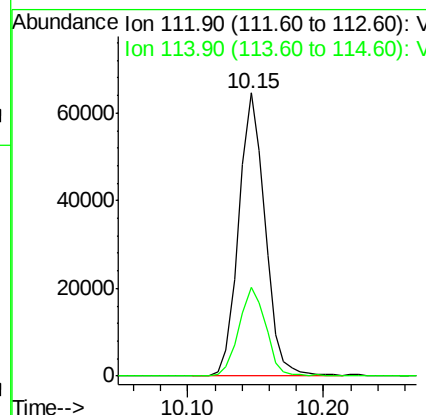
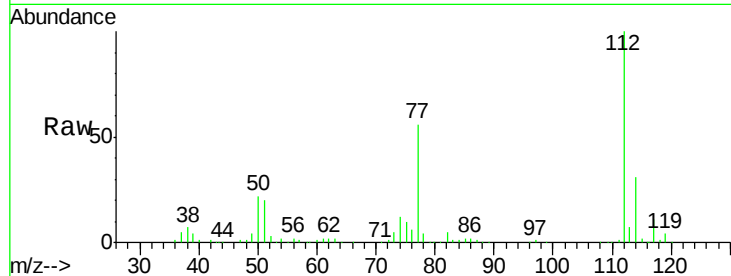




#65
Chlorobenzene
Concen: 19.18 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

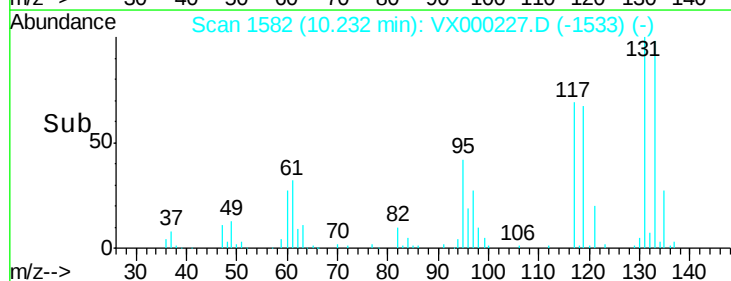
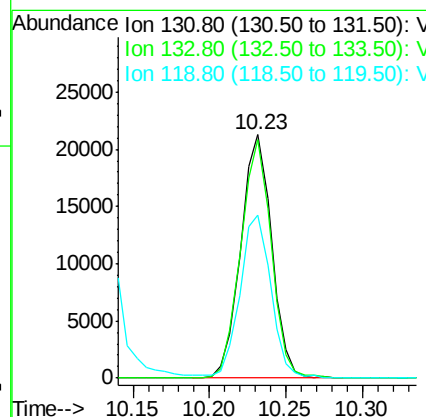
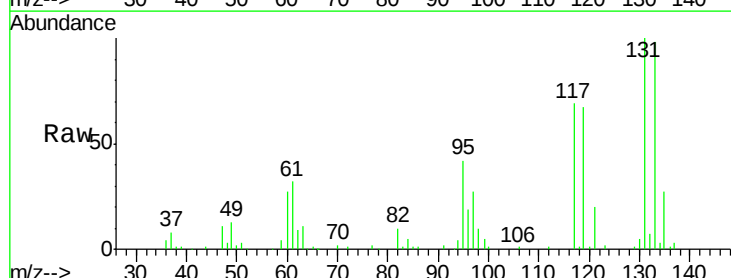
Instrument :
MSVOA_X
ClientSampleId :

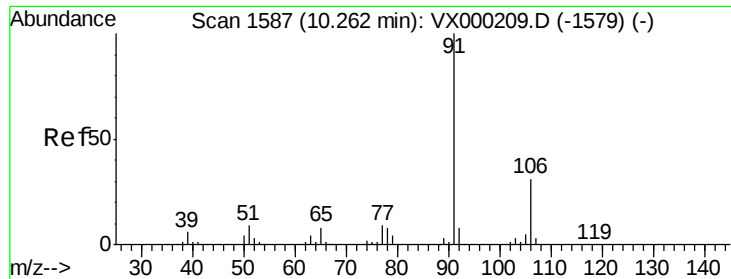
Tot Ion:112 Resp: 87499
Ion Ratio Lower Upper
112 100
114 31.4 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.10 ug/l
RT: 10.23 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Tgt Ion:131 Resp: 29798
Ion Ratio Lower Upper
131 100
133 96.9 48.3 144.9
119 67.2 32.3 96.8

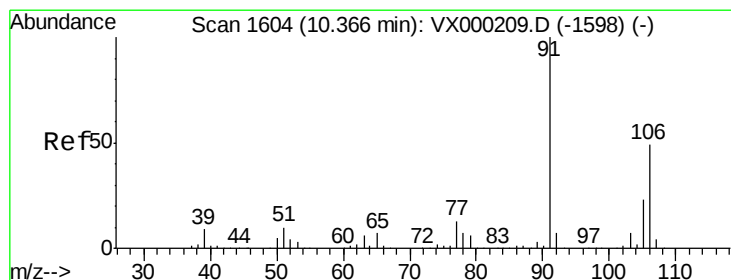
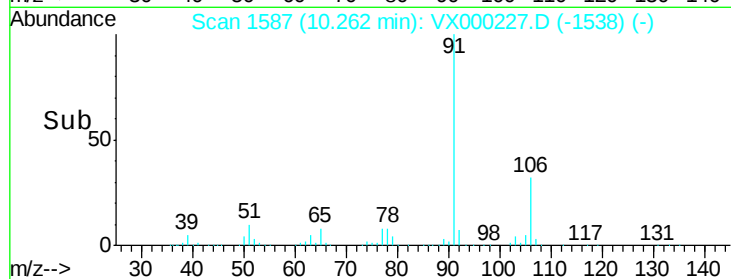
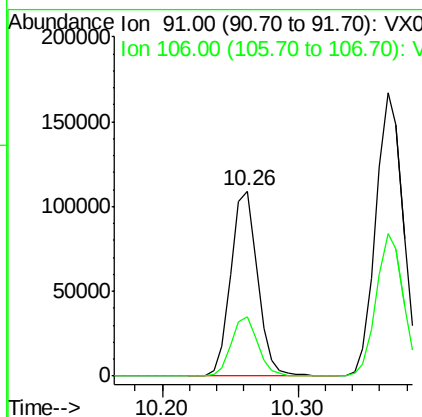
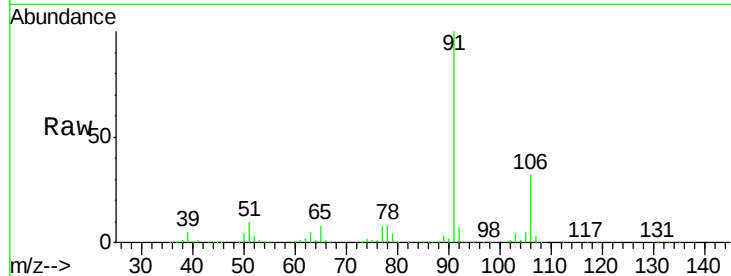




#67
Ethyl Benzene
Concen: 18.95 ug/l
RT: 10.26 min Scan# 1587
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

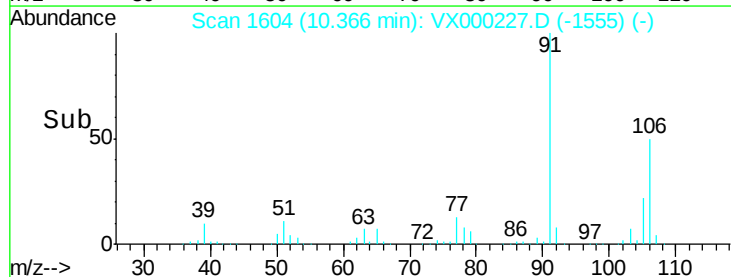
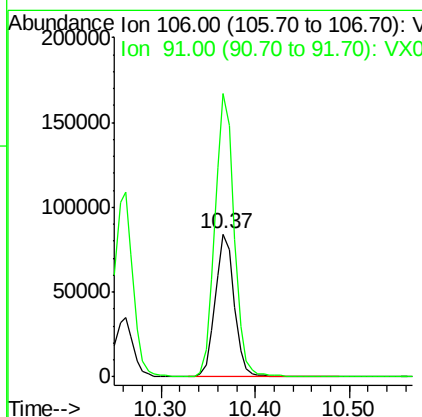
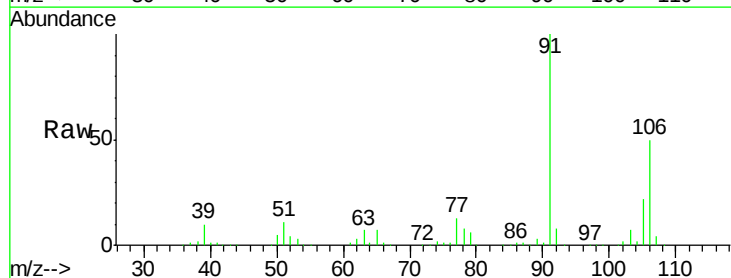
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 91 Resp: 150865
Ion Ratio Lower Upper
91 100
106 32.3 25.2 37.8



#68
m/p-Xylenes
Concen: 38.49 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Tgt Ion: 106 Resp: 117959
Ion Ratio Lower Upper
106 100
91 200.0 160.9 241.3

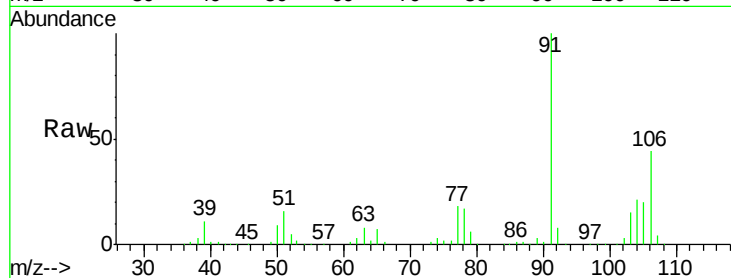




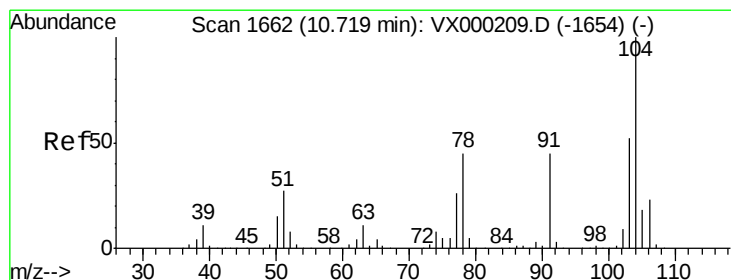
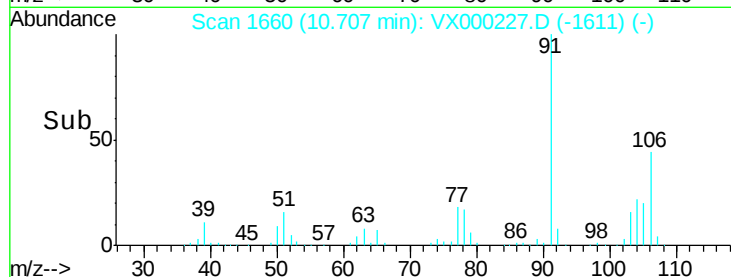
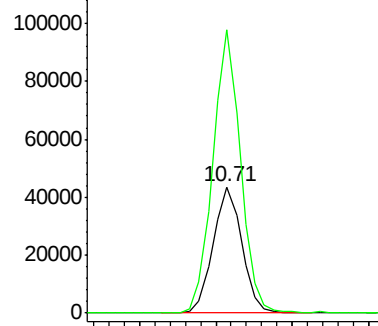
#69
o-Xylene
Concen: 19.25 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 56685
Ion Ratio Lower Upper
106 100
91 217.5 105.9 317.7

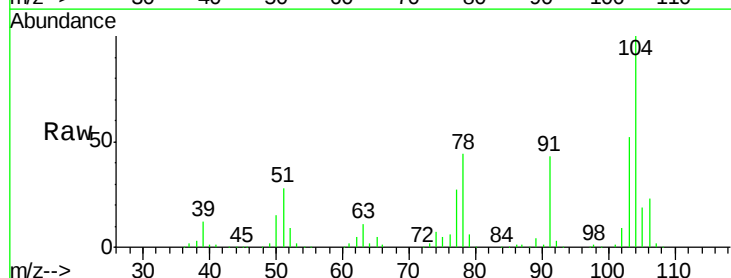


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

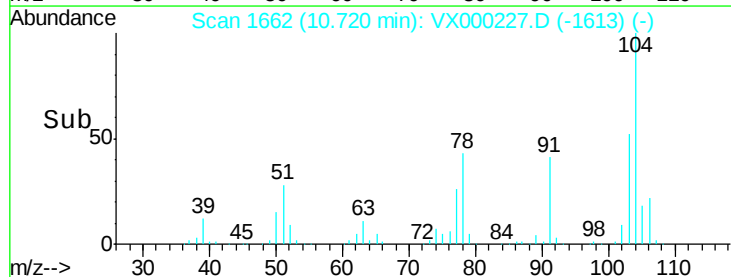
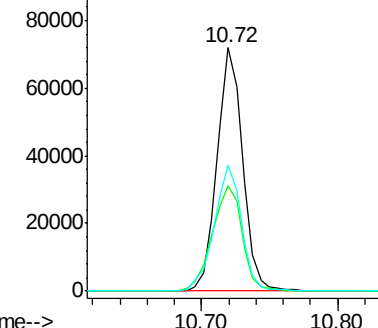


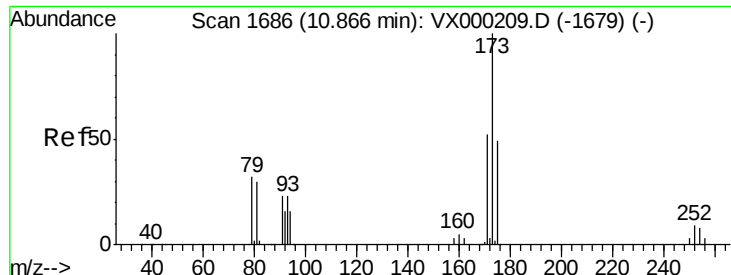
#70
Styrene
Concen: 19.40 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Tgt Ion:104 Resp: 94766
Ion Ratio Lower Upper
104 100
78 50.8 39.6 59.4
103 55.5 45.0 67.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

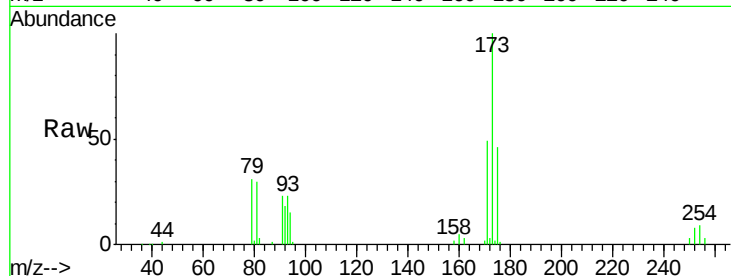




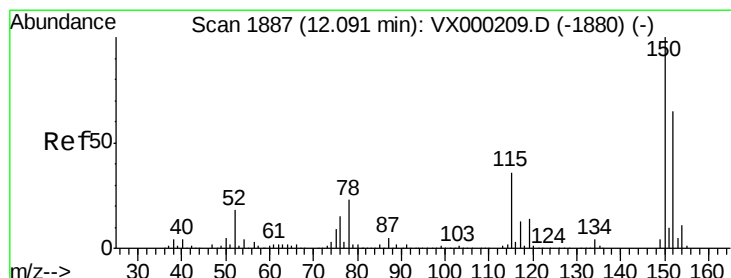
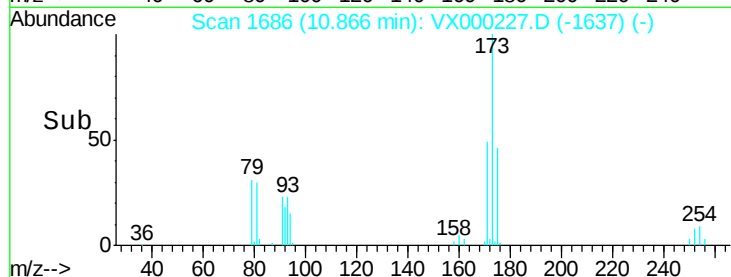
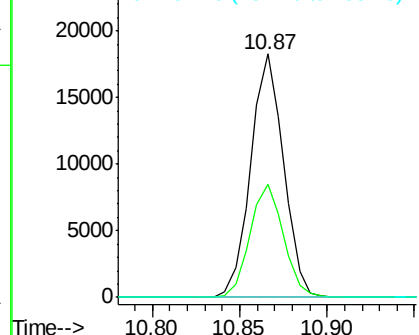
#71
Bromoform
Concen: 17.13 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:173 Resp: 23783
Ion Ratio Lower Upper
173 100
175 47.0 24.4 73.2
254 0.0 0.2 0.2#

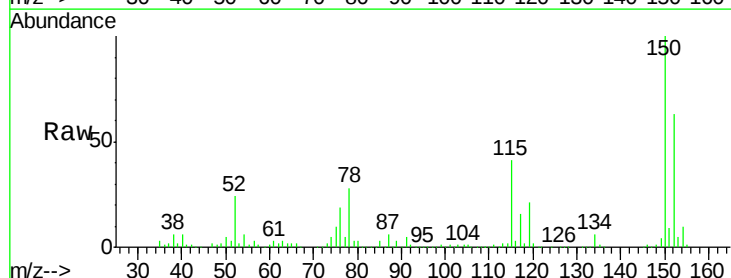


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

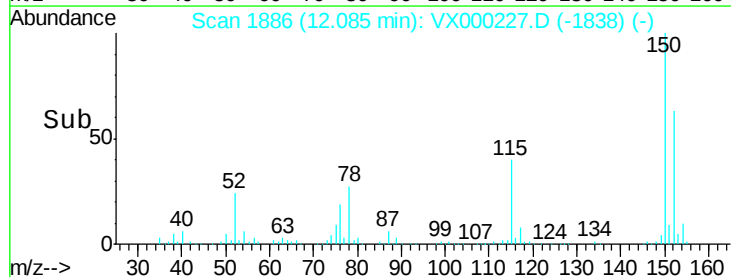
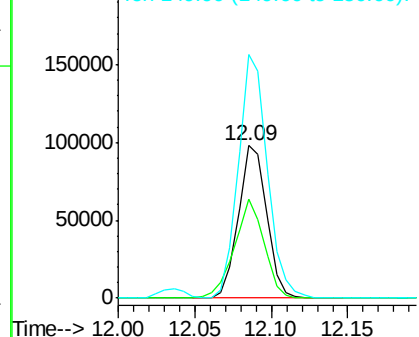


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.01 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Tgt Ion:152 Resp: 124854
Ion Ratio Lower Upper
152 100
115 67.7 39.8 119.3
150 164.5 0.0 345.0



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: 19.45 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.01 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

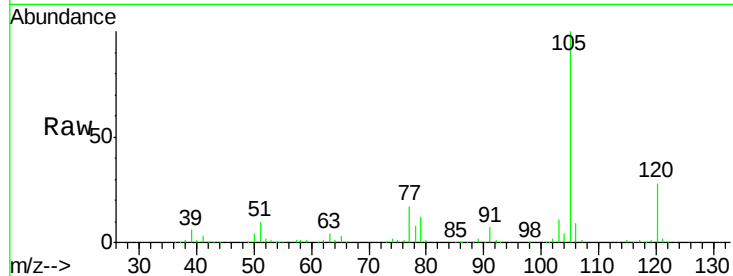
ClientSampleId :

Tot Ion:105 Resp: 152012

Ion Ratio Lower Upper

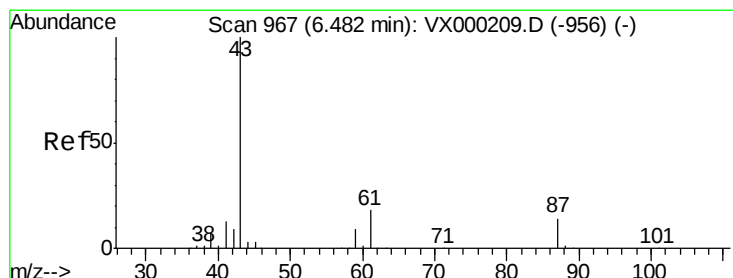
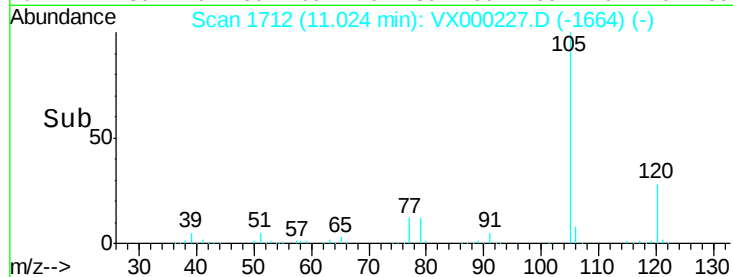
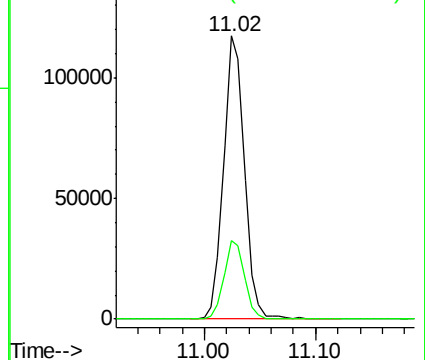
105 100

120 27.6 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.56 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Tgt Ion: 43 Resp: 78225

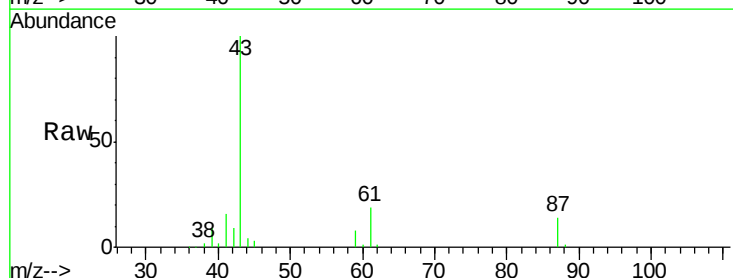
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.0 0.0 0.0

61 19.0 14.8 22.2

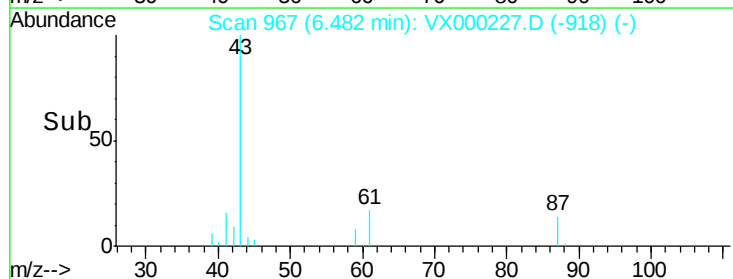
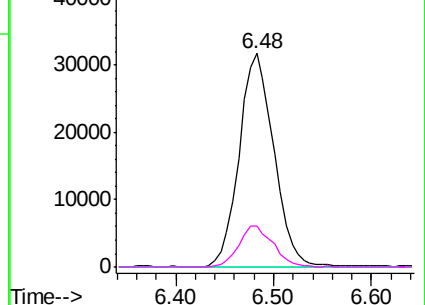


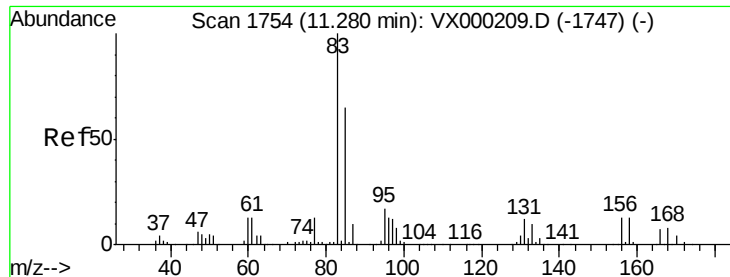
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.09 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.01 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

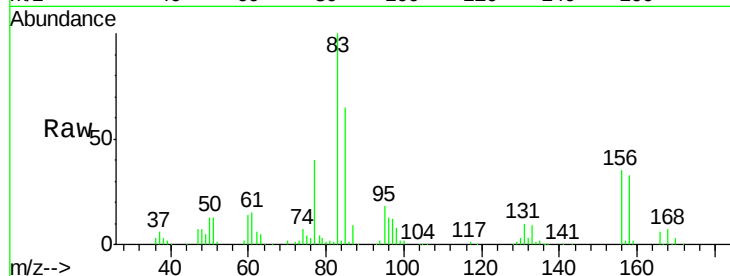
Tot Ion: 83 Resp: 55046

Ion Ratio Lower Upper

83 100

131 10.6 5.5 16.5

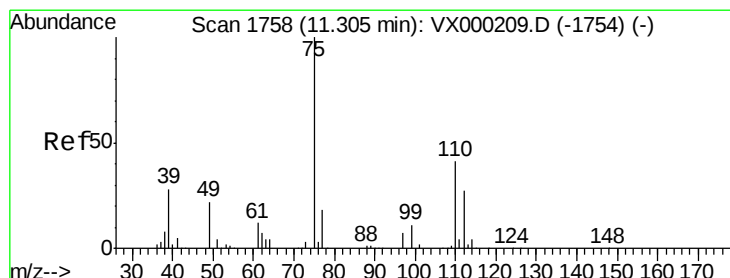
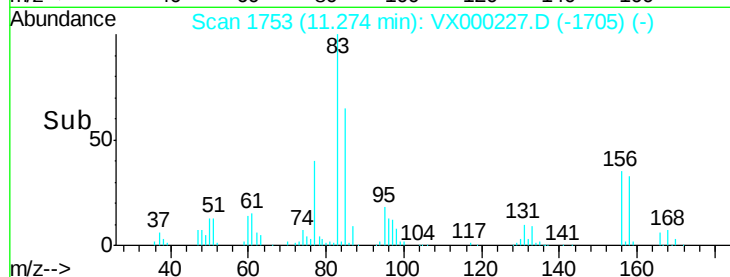
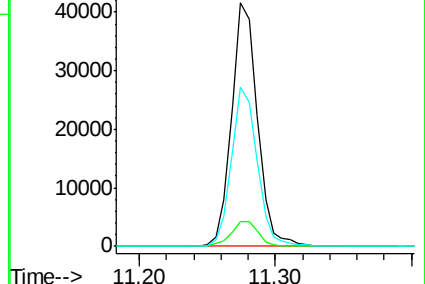
85 65.6 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 24.99 ug/l

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX000227.D

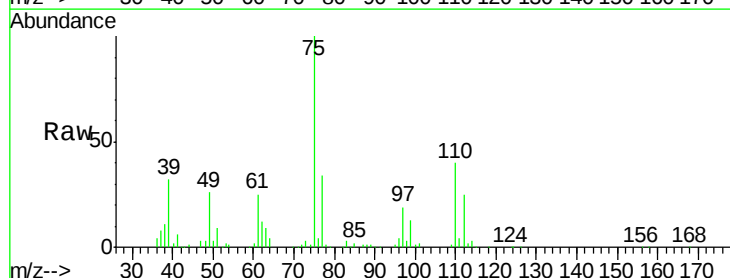
Acq: 08 Mar 2018 18:29

Tgt Ion: 75 Resp: 62546

Ion Ratio Lower Upper

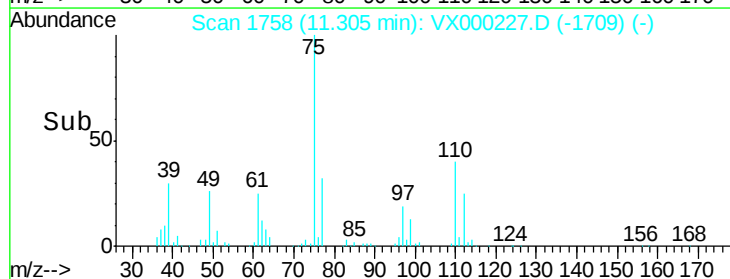
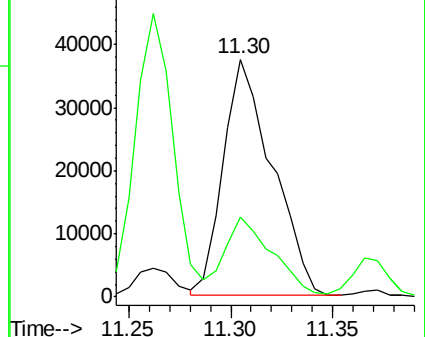
75 100

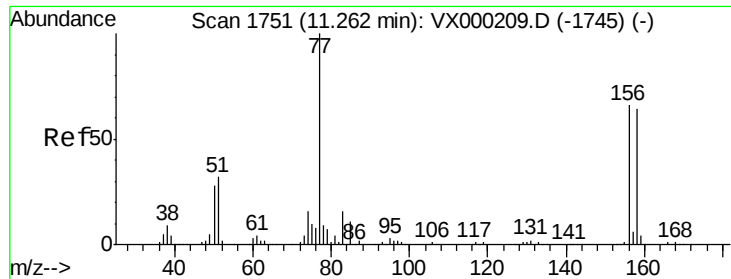
77 33.0 22.3 66.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.32 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

ClientSampled :

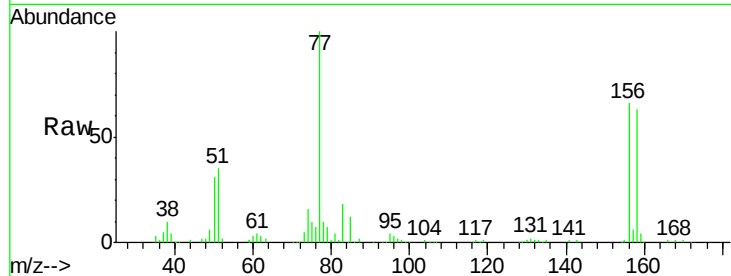
Tot Ion:156 Resp: 39049

Ion Ratio Lower Upper

156 100

77 149.7 71.9 215.7

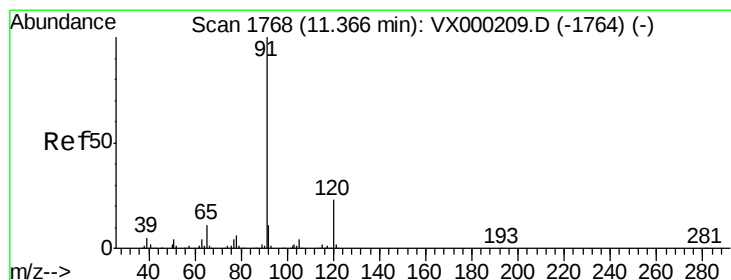
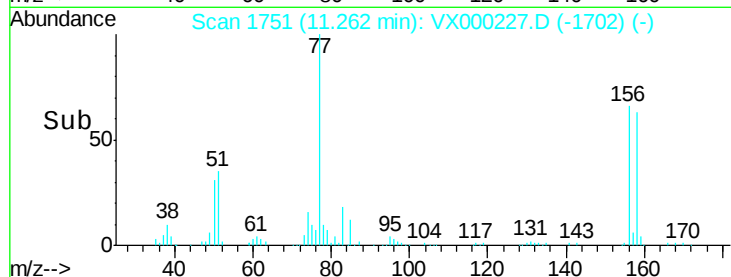
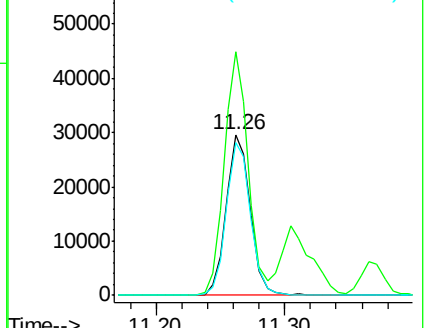
158 95.8 48.0 144.2



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: 19.59 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX000227.D

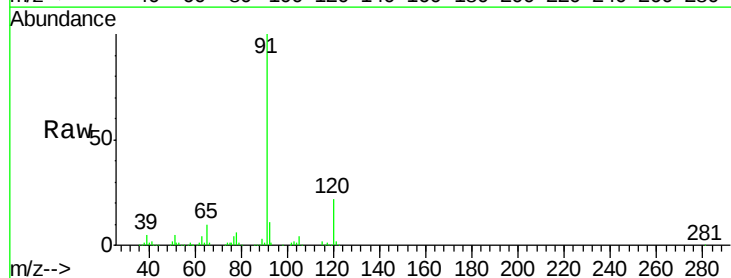
Acq: 08 Mar 2018 18:29

Tgt Ion: 91 Resp: 180248

Ion Ratio Lower Upper

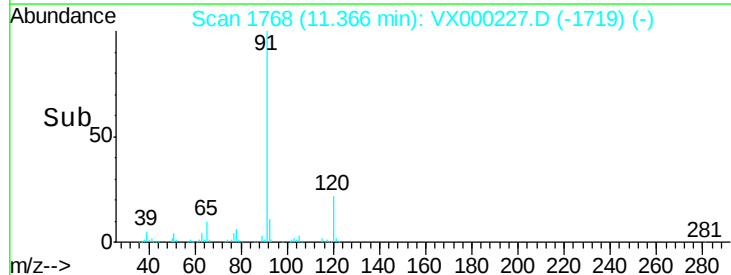
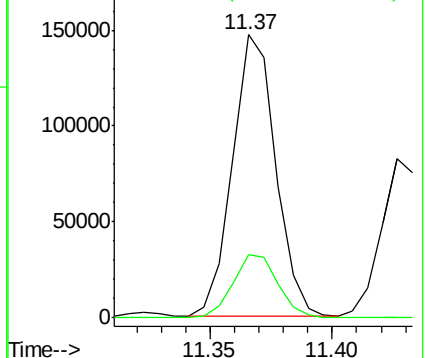
91 100

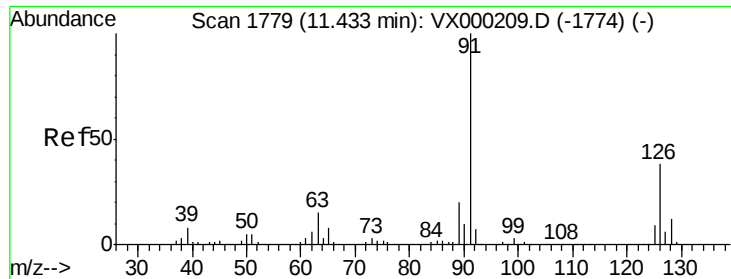
120 23.4 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

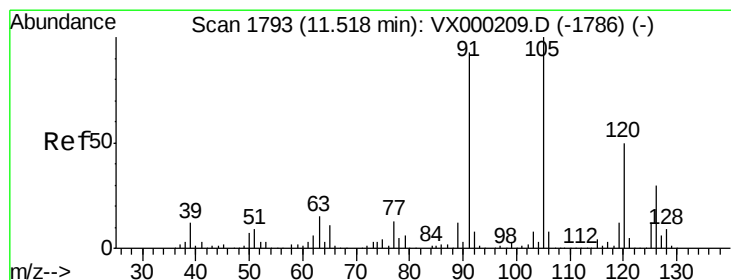
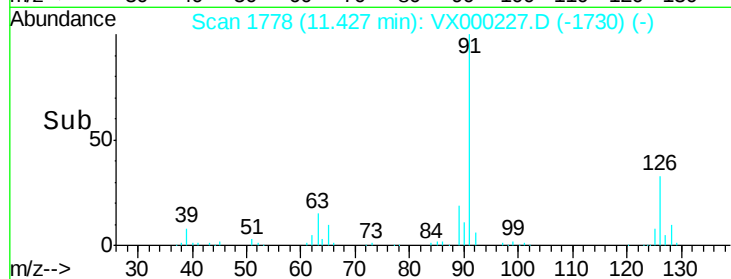
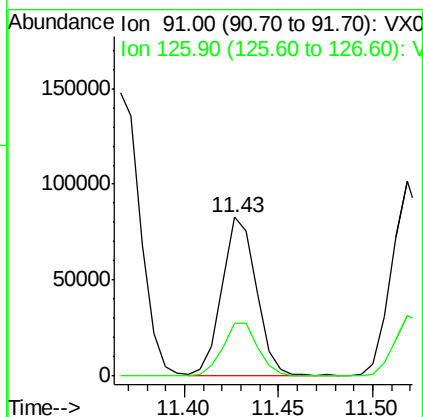
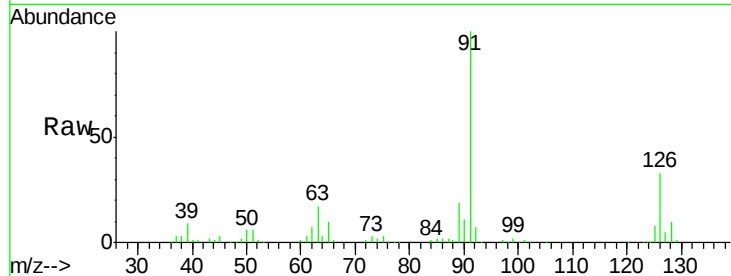




#79
 2-Chlorotoluene
 Concen: 20.05 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: VX000227.D
 Acq: 08 Mar 2018 18:29

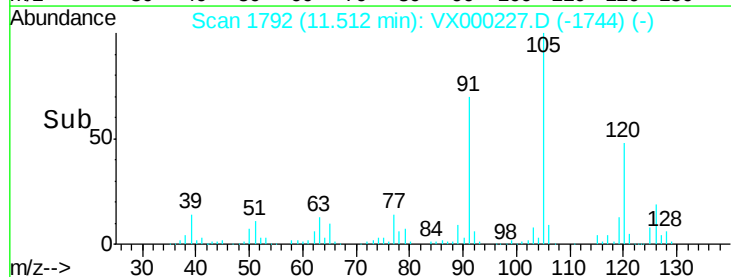
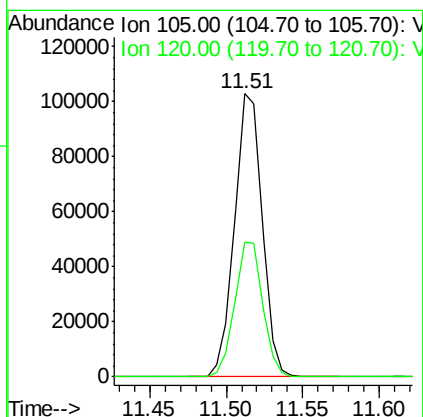
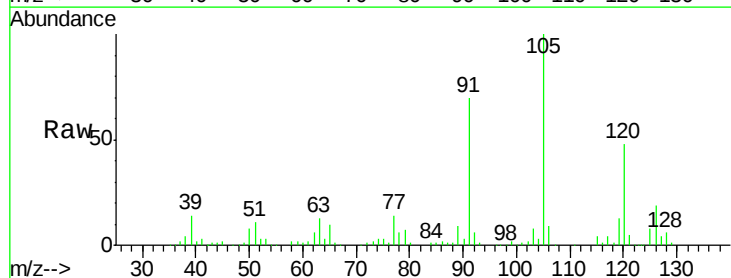
Instrument :
 MSVOA_X
 ClientSampleId :

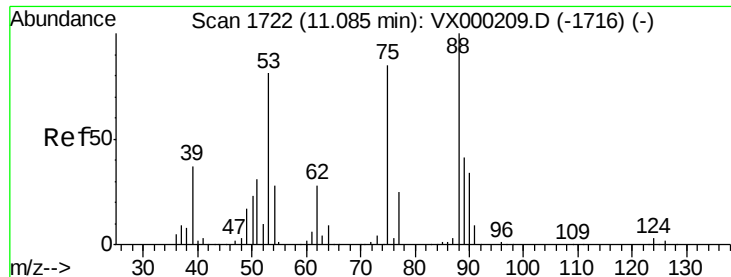
Tot Ion: 91 Resp: 104064
 Ion Ratio Lower Upper
 91 100
 126 34.9 18.4 55.2



#80
 1,3,5-Trimethylbenzene
 Concen: 19.79 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.01 min
 Lab File: VX000227.D
 Acq: 08 Mar 2018 18:29

Tgt Ion: 105 Resp: 129130
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.08 ug/l

RT: 11.09 min Scan# 1722

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

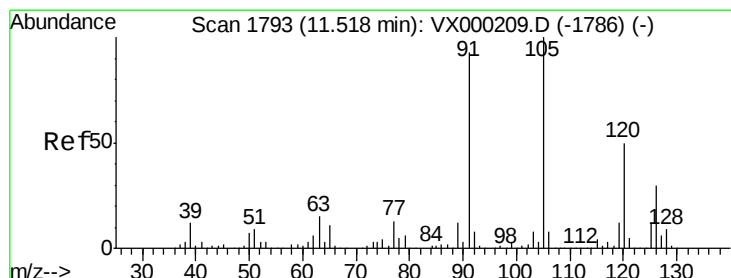
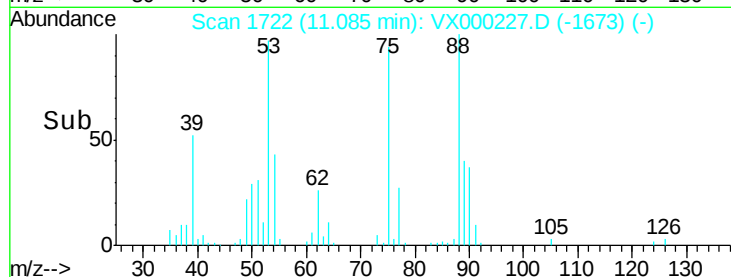
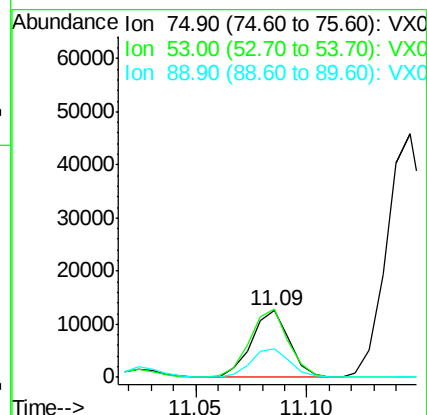
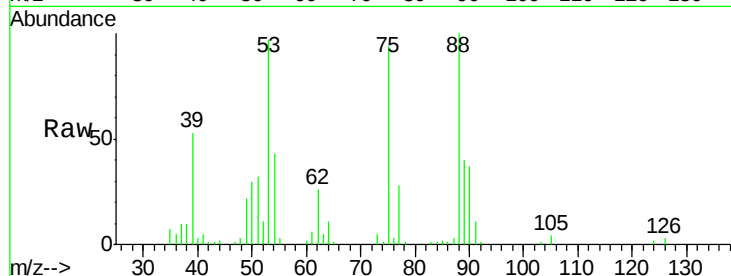
Tot Ion: 75 Resp: 14776

Ion Ratio Lower Upper

75 100

53 105.9 78.6 118.0

89 45.2 38.8 58.2



#82

4-Chlorotoluene

Concen: 20.41 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX000227.D

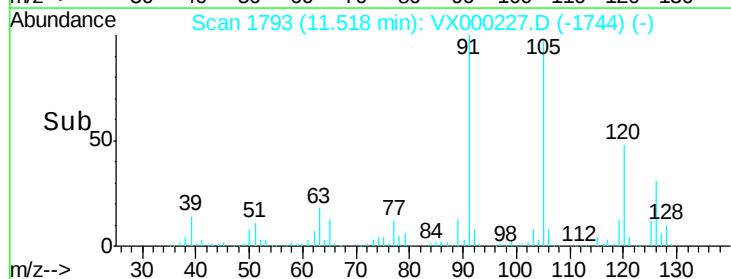
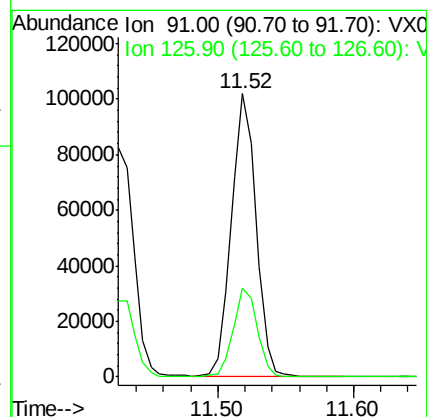
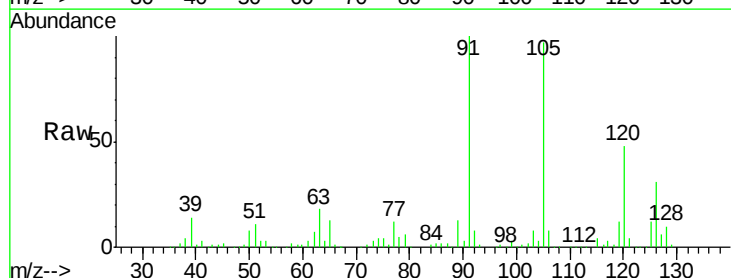
Acq: 08 Mar 2018 18:29

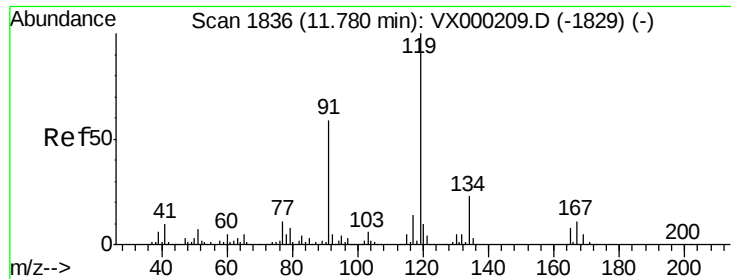
Tgt Ion: 91 Resp: 128776

Ion Ratio Lower Upper

91 100

126 30.4 16.0 48.0





#83

tert-Butylbenzene

Concen: 20.23 ug/l

RT: 11.78 min Scan# 1836

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

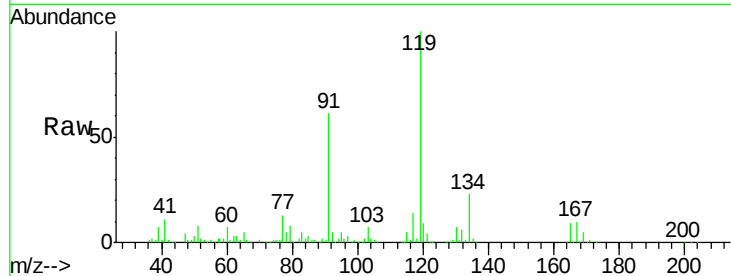
Tot Ion:119 Resp: 128498

Ion Ratio Lower Upper

119 100

91 58.5 28.9 86.7

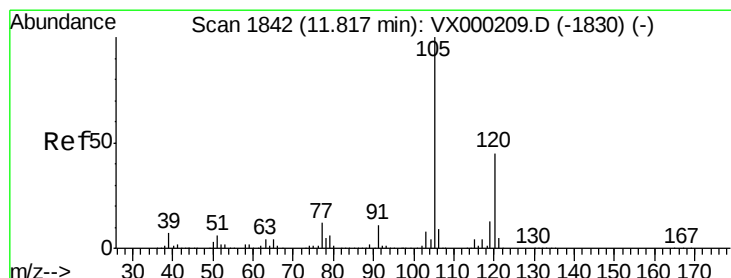
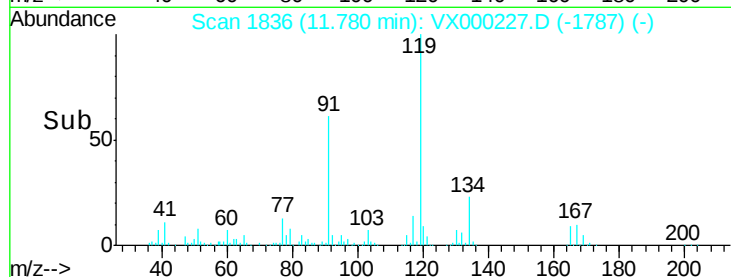
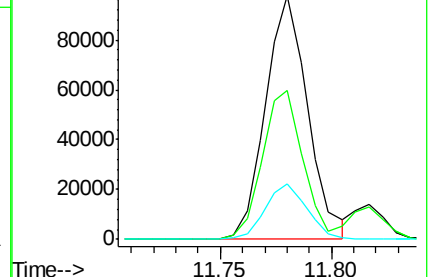
134 22.6 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.49 ug/l

RT: 11.82 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX000227.D

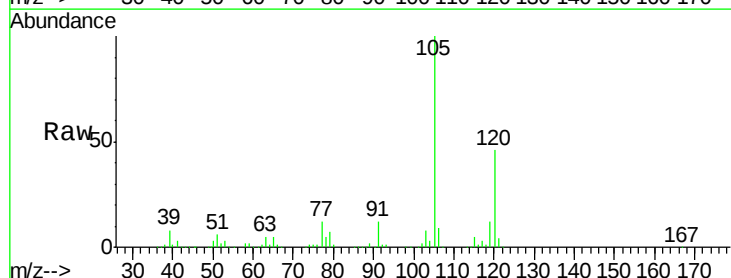
Acq: 08 Mar 2018 18:29

Tgt Ion:105 Resp: 137501

Ion Ratio Lower Upper

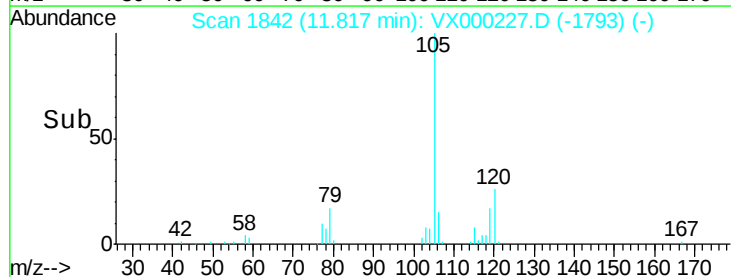
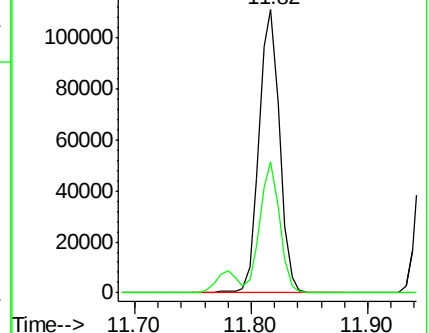
105 100

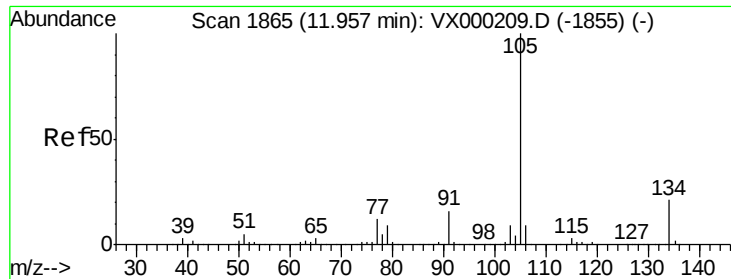
120 44.5 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.03 ug/l

RT: 11.96 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

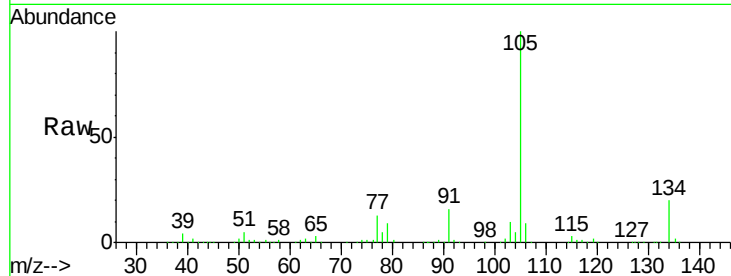
ClientSampled :

Tot Ion:105 Resp: 160911

Ion Ratio Lower Upper

105 100

134 20.7 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.96

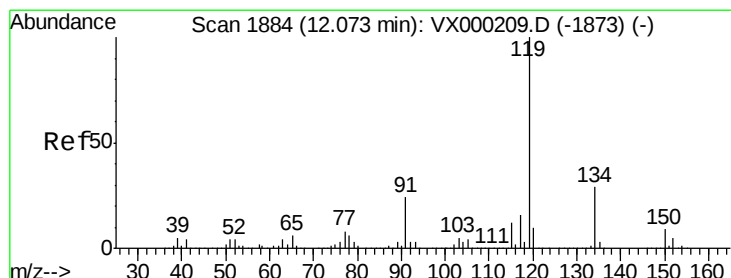
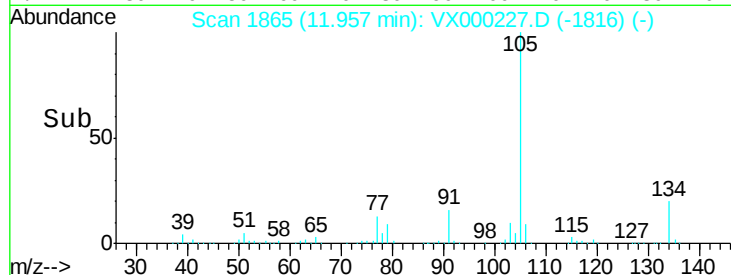
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.16 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

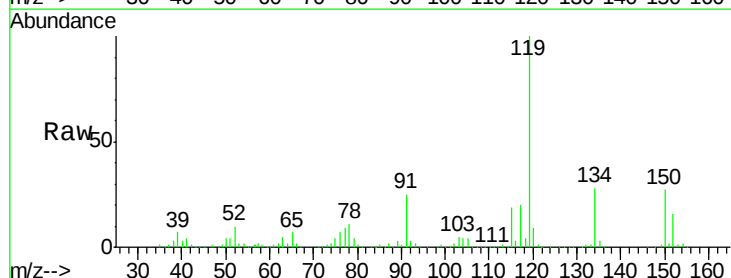
Tgt Ion:119 Resp: 142798

Ion Ratio Lower Upper

119 100

134 27.4 13.8 41.3

91 25.3 12.0 36.0



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

12.07

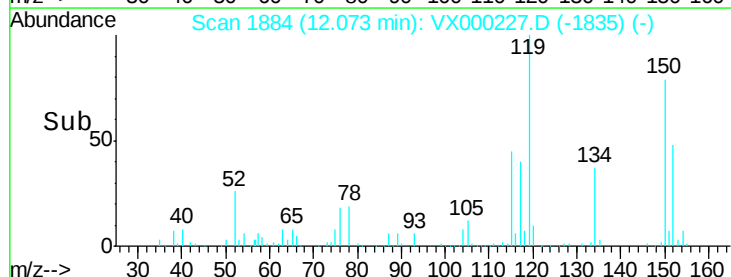
150000

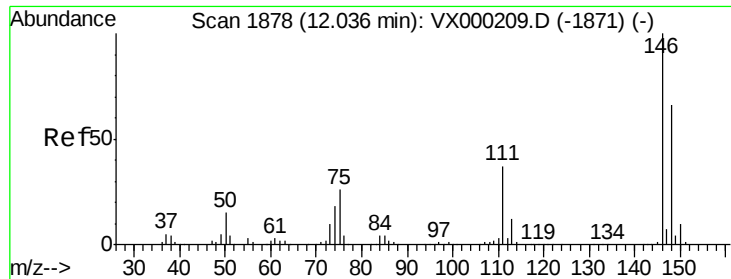
100000

50000

0

Time-->

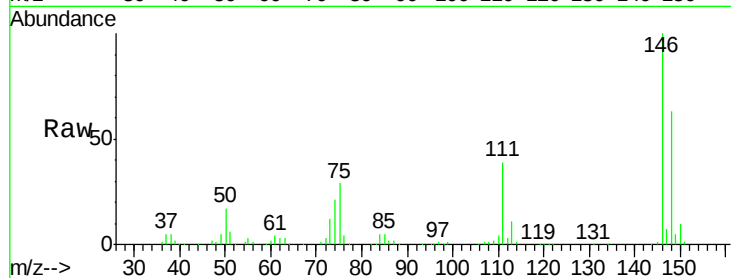




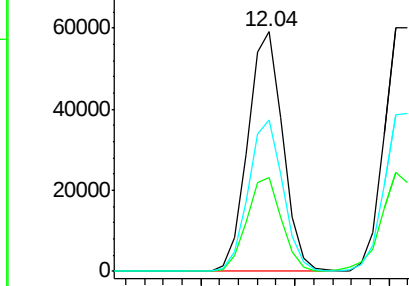
#87
 1,3-Dichlorobenzene
 Concen: 19.81 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VX000227.D
 Acq: 08 Mar 2018 18:29

Instrument :
 MSVOA_X
 ClientSampleId :

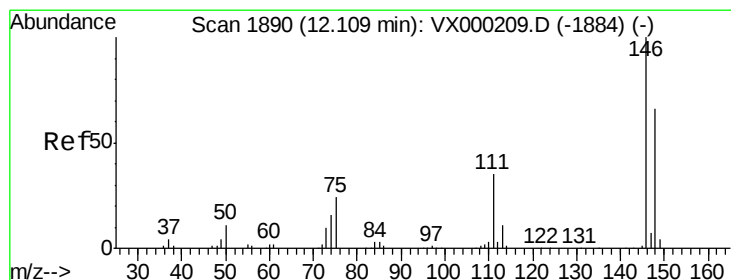
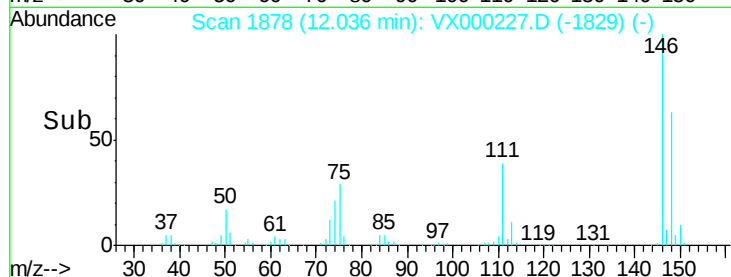
Tot Ion:146 Resp: 76126
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.0 57.0
 148 62.5 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

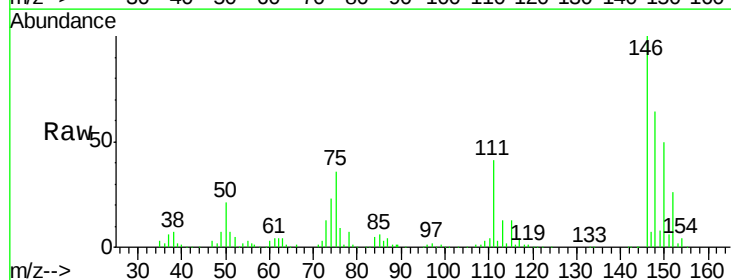


Time-->

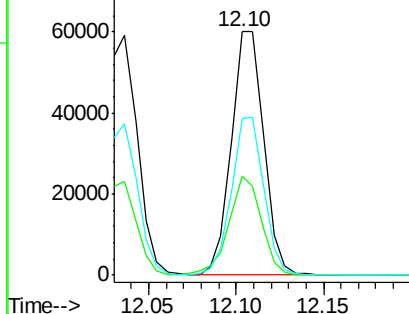


#88
 1,4-Dichlorobenzene
 Concen: 19.29 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.01 min
 Lab File: VX000227.D
 Acq: 08 Mar 2018 18:29

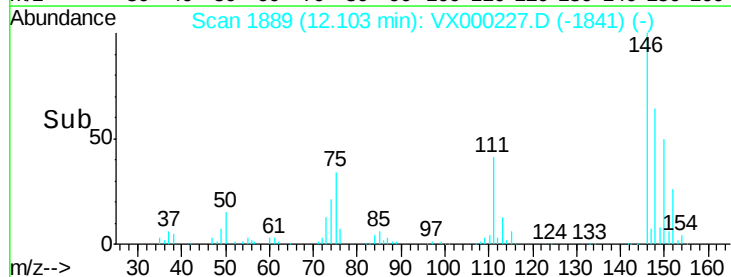
Tgt Ion:146 Resp: 77694
 Ion Ratio Lower Upper
 146 100
 111 40.6 18.9 56.9
 148 64.9 32.6 97.8

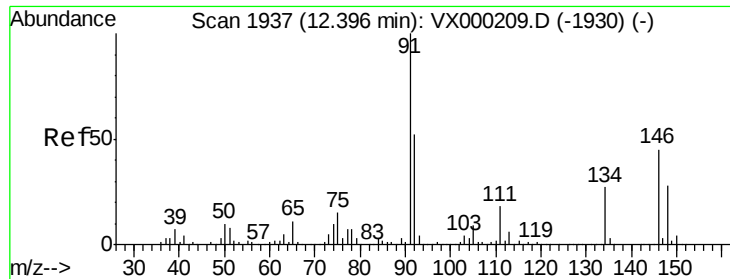


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V



Time-->





#89

n-Butylbenzene

Concen: 20.02 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX000227.D

Acq: 08 Mar 2018 18:29

Instrument :

MSVOA_X

ClientSampled :

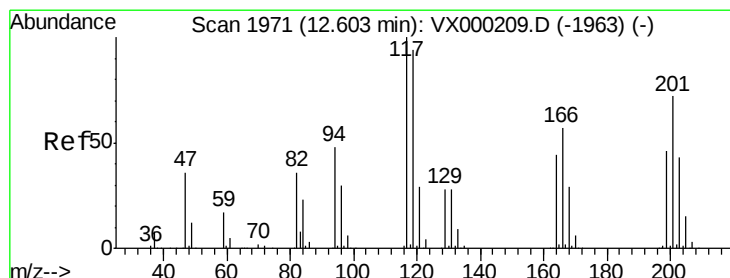
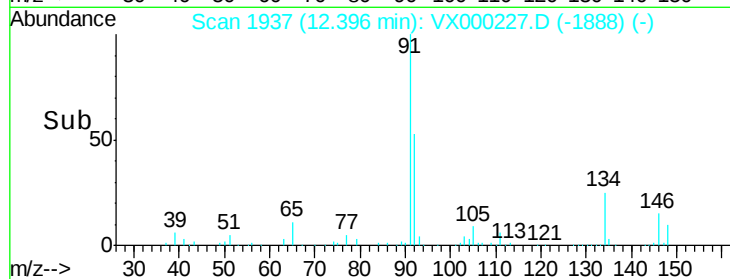
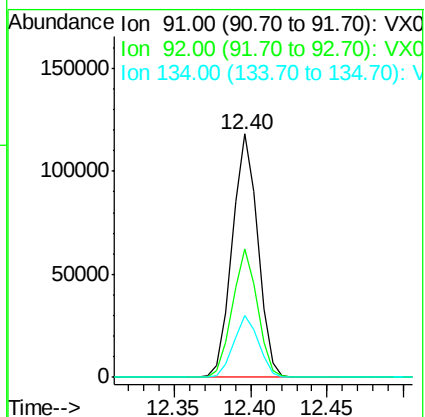
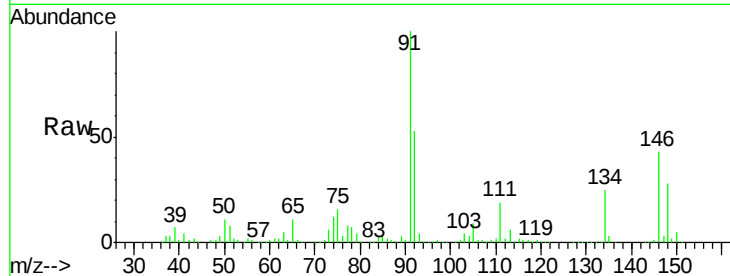
Tot Ion: 91 Resp: 136559

Ion Ratio Lower Upper

91 100

92 51.7 25.8 77.4

134 25.0 13.5 40.5



#90

Hexachloroethane

Concen: 18.68 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VX000227.D

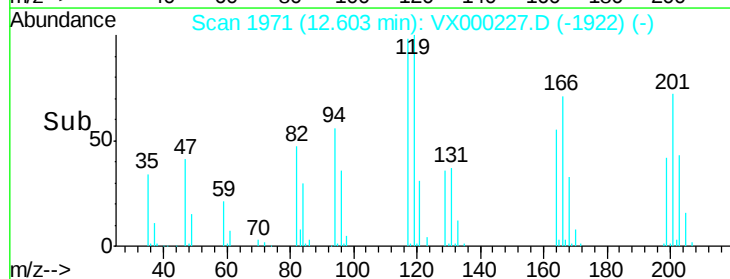
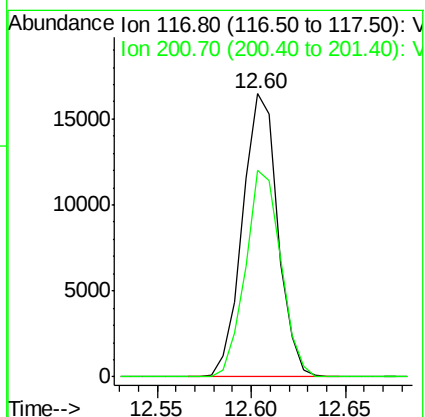
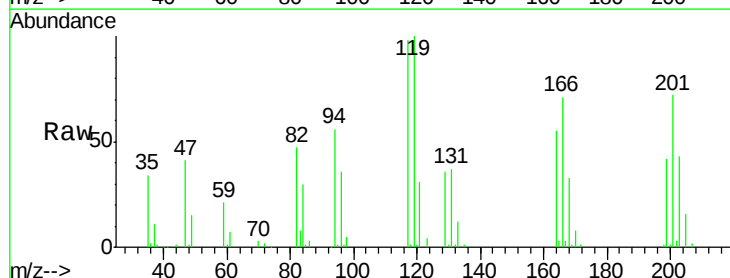
Acq: 08 Mar 2018 18:29

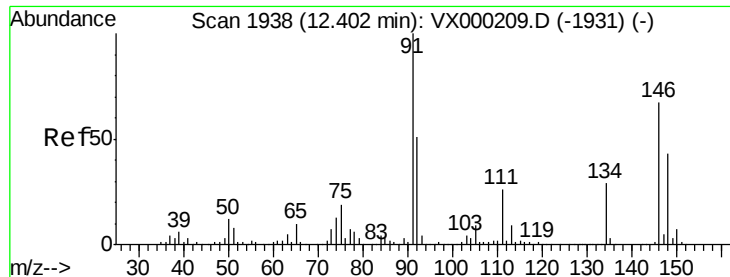
Tgt Ion: 117 Resp: 21315

Ion Ratio Lower Upper

117 100

201 73.5 38.2 114.6

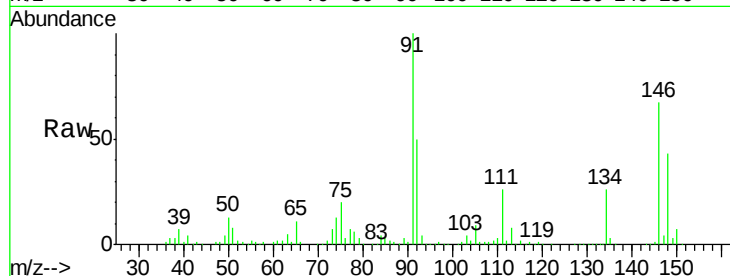




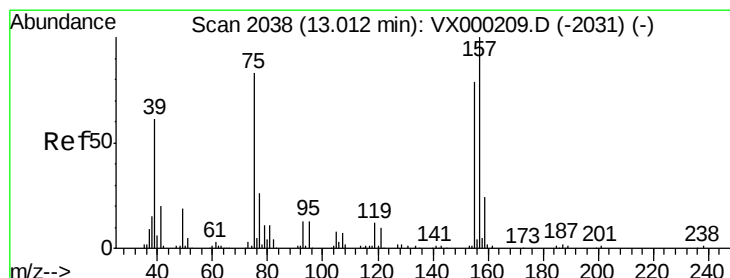
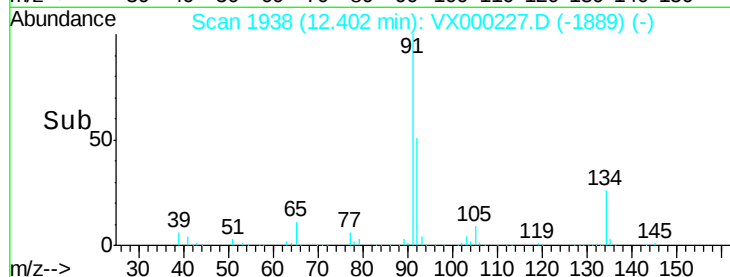
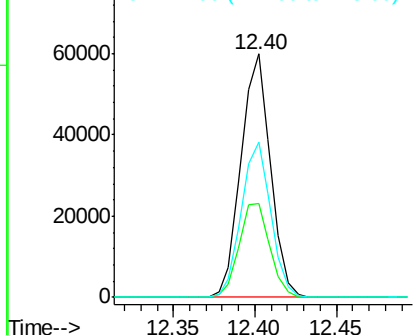
#91
1,2-Dichlorobenzene
Concen: 19.86 ug/l
RT: 12.40 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:146 Resp: 75568
Ion Ratio Lower Upper
146 100
111 40.3 19.7 59.0
148 64.0 32.0 96.0

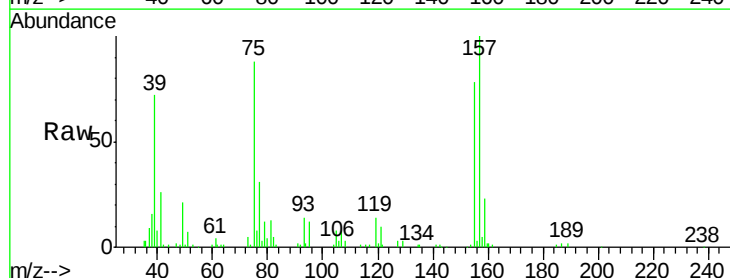


Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

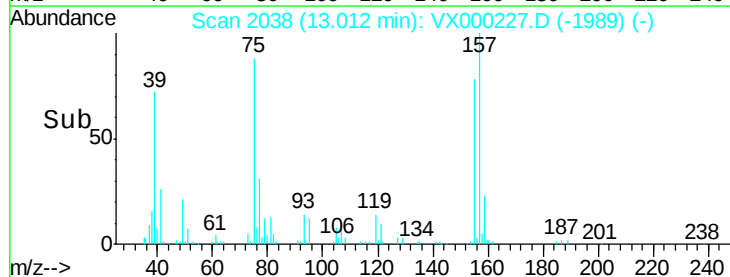
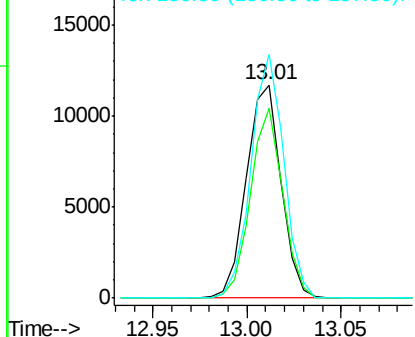


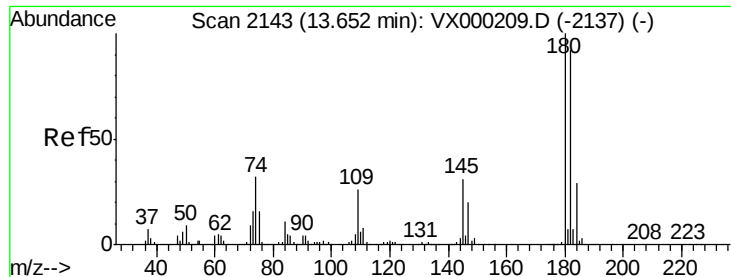
#92
1,2-Dibromo-3-Chloropropane
Concen: 19.41 ug/l
RT: 13.01 min Scan# 2038
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Tgt Ion: 75 Resp: 14935
Ion Ratio Lower Upper
75 100
155 83.1 45.5 136.5
157 108.0 58.6 175.8



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

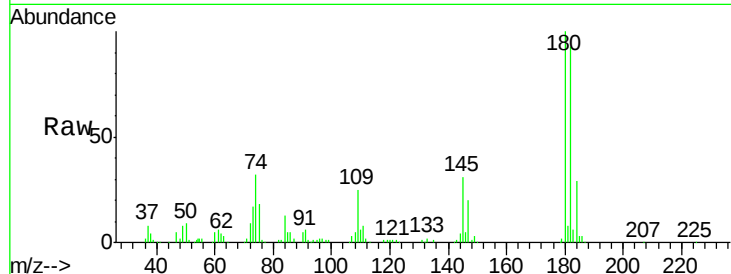




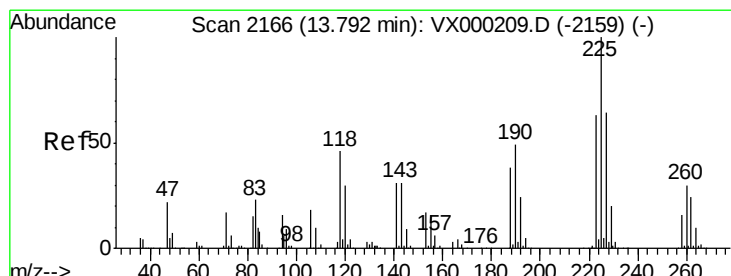
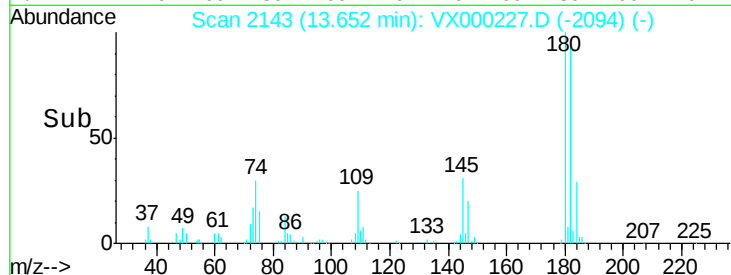
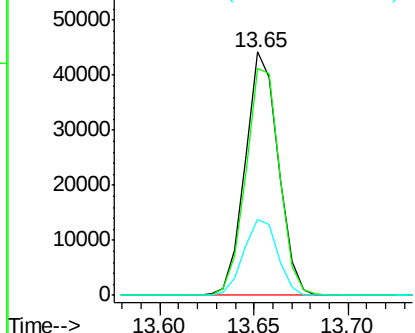
#93
 1,2,4-Trichlorobenzene
 Concen: 19.43 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX000227.D
 Acq: 08 Mar 2018 18:29

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.0	141.0
145	32.1	15.3	45.9

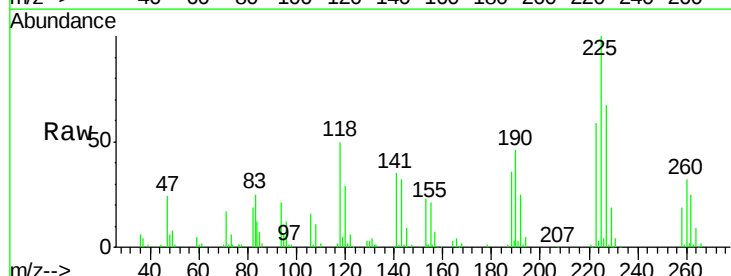


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

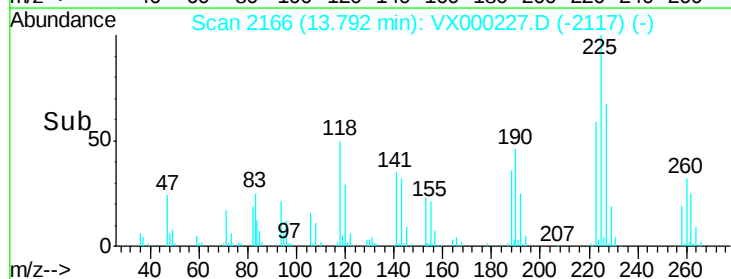
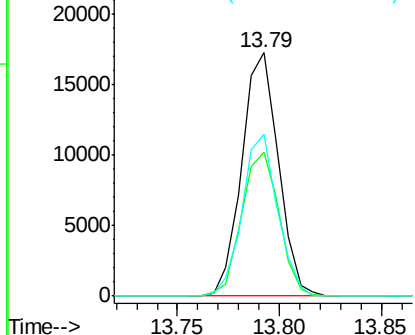


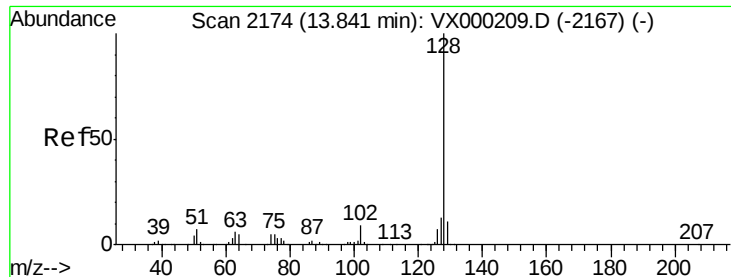
#94
 Hexachlorobutadiene
 Concen: 18.63 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: VX000227.D
 Acq: 08 Mar 2018 18:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.4	31.8	95.3
227	64.6	31.9	95.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

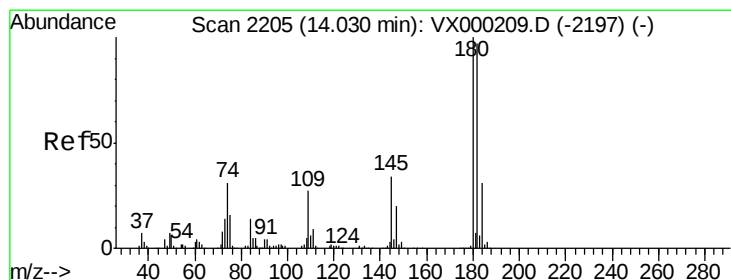
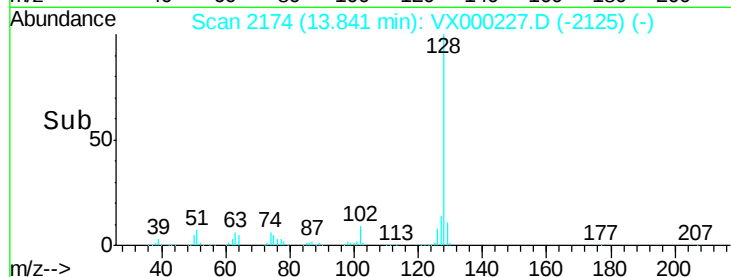
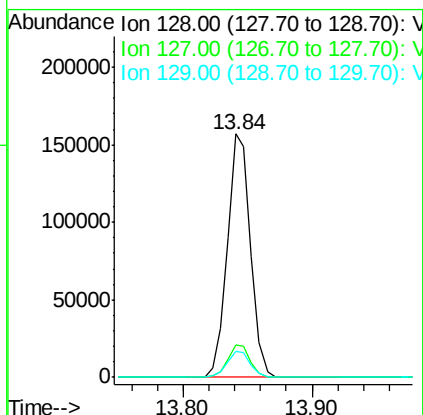
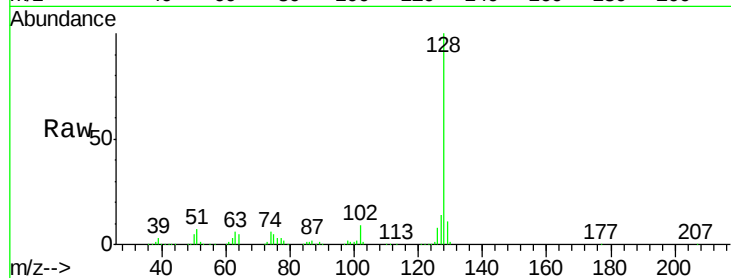




#95
Naphthalene
Concen: 20.42 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.9	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.30 ug/l
RT: 14.03 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VX000227.D
Acq: 08 Mar 2018 18:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	48.0	144.0
145	31.3	16.3	48.8

