

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX031318\
 Data File : VX000311.D
 Acq On : 13 Mar 2018 20:02
 Operator : JC/MD
 Sample : J1886-01 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 13118

Quant Time: Mar 14 01:00:16 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	134515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	259491	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	278329	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	176985	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.09	65	86090	46.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.34%	
35) Dibromofluoromethane	5.53	113	60339	37.02	ug/l	0.01
Spiked Amount	50.000		Recovery	=	74.04%	
50) Toluene-d8	8.73	98	322105	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
62) 4-Bromofluorobenzene	11.15	95	128347	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	

Target Compounds

						Qvalue
3) Chloromethane	1.39	50	341648	238.76	ug/l #	75
5) Bromomethane	1.64	94	756	Below	Cal #	72
6) Chloroethane	1.79	64	778	0.27	ug/l #	86
8) Diethyl Ether	2.20	74	1313640	1293.65	ug/l	99
10) Methyl Iodide	2.51	142	448	3.40	ug/l #	43
13) Acrolein	2.26	56	486	1.35	ug/l #	1
14) Allyl chloride	2.73	41	168363	64.24	ug/l #	39
15) Acrylonitrile	3.23	53	1423654	1193.95	ug/l #	28
16) Acetone	2.46	43	9724120	7261.56	ug/l	95
17) Carbon Disulfide	2.64	76	3825	0.98	ug/l #	69
18) Methyl Acetate	2.79	43	779633	273.38	ug/l	99
20) Methylene Chloride	2.86	84	2862	1.79	ug/l #	94
21) trans-1,2-Dichloroethene	3.19	96	16923	10.85	ug/l #	1
22) Diisopropyl ether	3.89	45	1528258	339.57	ug/l	90
23) Vinyl Acetate	3.89	43	850627	196.11	ug/l #	73
25) 2-Butanone	4.73	43	1259017	761.84	ug/l	97
26) 2,2-Dichloropropane	4.47	77	805	0.40	ug/l #	53
28) Bromochloromethane	5.24	49	2358	2.01	ug/l #	12
29) Tetrahydrofuran	5.20	42	67552	65.08	ug/l #	87
31) Cyclohexane	5.59	56	1059	0.52	ug/l #	74
36) 1,1-Dichloropropene	5.68	75	10155	4.40	ug/l #	50
37) Ethyl Acetate	4.89	43	628949	188.49	ug/l	99
38) Carbon Tetrachloride	5.68	117	12814	5.48	ug/l #	18
39) Methylcyclohexane	7.47	83	2395	0.85	ug/l	93
40) Benzene	6.16	78	1687737	253.45	ug/l	98
41) Methacrylonitrile	5.24	41	124350	73.11	ug/l #	44
42) 1,2-Dichloroethane	6.46	62	17170	6.57	ug/l	82
43) Isopropyl Acetate	6.46	43	4364173	904.59	ug/l #	43
45) 1,2-Dichloropropane	7.57	63	959	0.57	ug/l #	1
47) Bromodichloromethane	7.95	83	5158	2.20	ug/l #	49
48) Methyl methacrylate	7.78	41	924536	389.06	ug/l #	35
49) 1,4-Dioxane	7.77	88	8862	164.28	ug/l #	1
51) 4-Methyl-2-Pentanone	8.67	43	504231	138.47	ug/l	95
52) Toluene	8.80	92	2311912	506.55	ug/l	99

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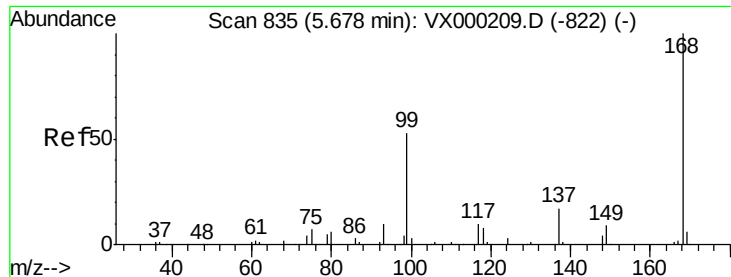
Instrument :
 MSVOA_X
 ClientSampleId :
 13118

Quant Time: Mar 14 01:00:16 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

53) t-1,3-Dichloropropene	8.42	75	71077	25.70	ug/l #	54
54) cis-1,3-Dichloropropene	8.93	75	16910	6.32	ug/l #	1
55) 1,1,2-Trichloroethane	9.20	97	1091	0.59	ug/l #	1
56) Ethyl methacrylate	9.20	69	26333	9.52	ug/l #	1
57) 1,3-Dichloropropane	9.24	76	5632	1.81	ug/l #	55
58) 2-Chloroethyl Vinyl ether	8.42	63	97051	69.49	ug/l	96
59) 2-Hexanone	9.51	43	179537	57.82	ug/l	84
65) Chlorobenzene	10.16	112	1688	0.30	ug/l #	6
67) Ethyl Benzene	10.26	91	1403039	143.02	ug/l	99
68) m/p-Xylenes	10.37	106	2686967	711.67	ug/l	95
69) o-Xylene	10.71	106	1551497	427.55	ug/l	97
70) Styrene	10.71	104	80131	13.31	ug/l #	1
73) Isopropylbenzene	11.03	105	304593	27.49	ug/l	98
74) N-amyl acetate	6.46	43	4364173	769.79	ug/l #	61
75) 1,1,2,2-Tetrachloroethane	11.28	83	35040	9.02	ug/l #	27
76) 1,2,3-Trichloropropane	11.11	75	79150	22.31	ug/l	81
78) n-propylbenzene	11.37	91	602879	46.23	ug/l	100
79) 2-Chlorotoluene	11.45	91	518497	70.48	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.52	105	1461240	157.95	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.11	75	79115	68.29	ug/l #	40
82) 4-Chlorotoluene	11.52	91	156435	17.49	ug/l #	43
83) tert-Butylbenzene	11.82	119	934420	103.80	ug/l #	58
84) 1,2,4-Trimethylbenzene	11.82	105	7162203	752.83	ug/l	97
85) sec-Butylbenzene	11.82	105	7162203	628.99	ug/l #	56
86) p-Isopropyltoluene	12.04	119	139743	13.92	ug/l	94
87) 1,3-Dichlorobenzene	12.04	146	1653	0.30	ug/l #	25
89) n-Butylbenzene	12.39	91	226294	23.40	ug/l #	8
90) Hexachloroethane	12.60	117	52045	32.17	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	13.03	75	5204	4.77	ug/l #	1
95) Naphthalene	13.85	128	4229974	308.99	ug/l	100

(#) = 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

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ClientSampleId :

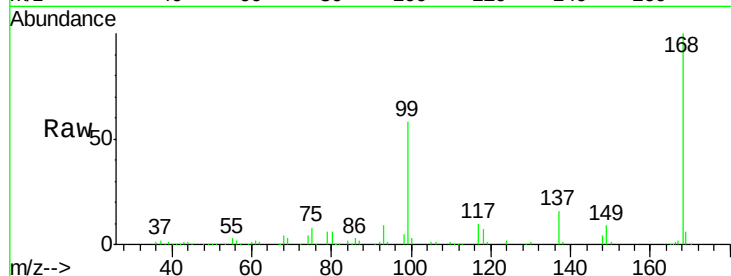
13118

Tot Ion:168 Resp: 134515

Ion Ratio Lower Upper

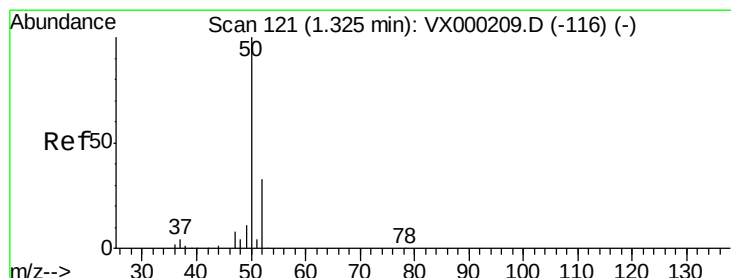
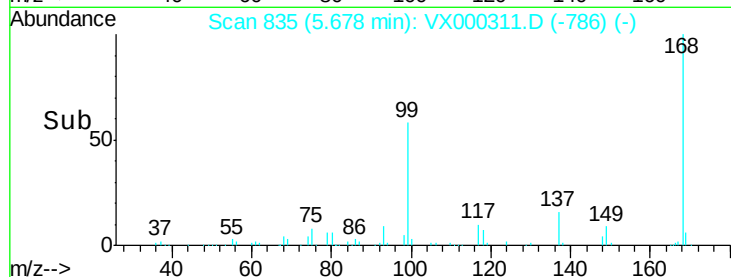
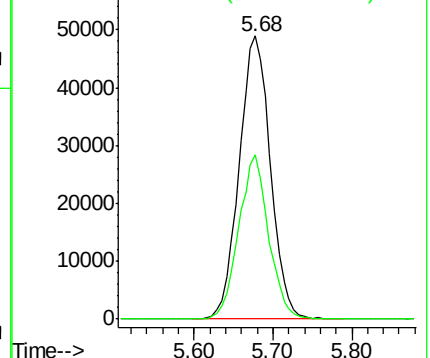
168 100

99 58.0 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 238.76 ug/l

RT: 1.39 min Scan# 132

Delta R.T. 0.07 min

Lab File: VX000311.D

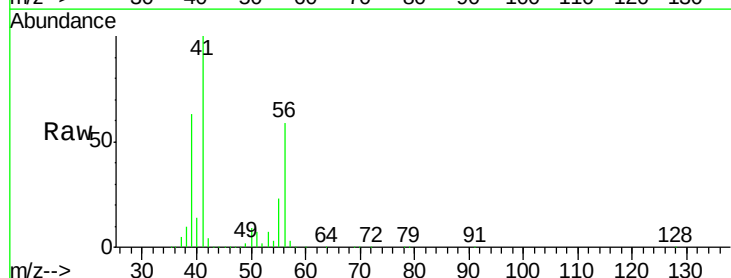
Acq: 13 Mar 2018 20:02

Tgt Ion: 50 Resp: 341648

Ion Ratio Lower Upper

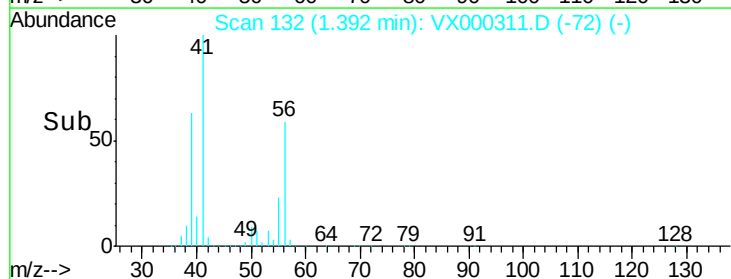
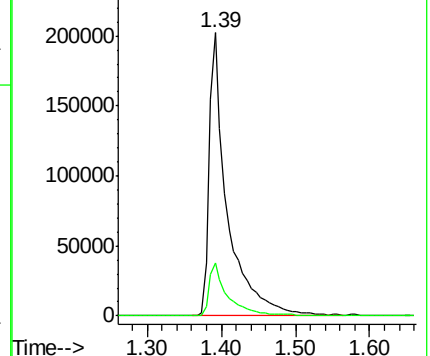
50 100

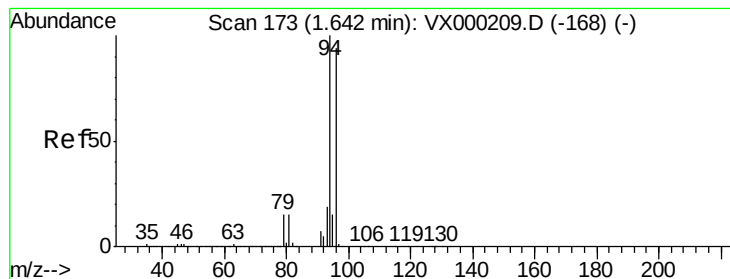
52 18.9 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 172

Delta R.T. -0.01 min

Lab File: VX000311.D

Acq: 13 Mar 2018 20:02

Instrument :

MSVOA_X

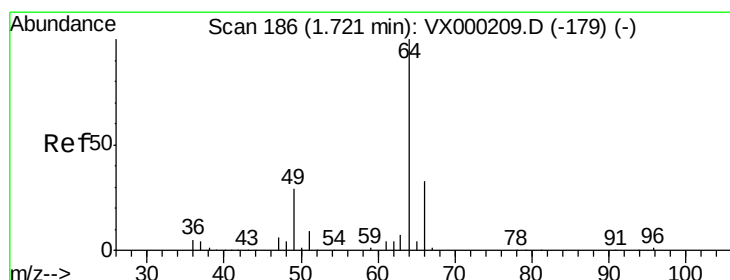
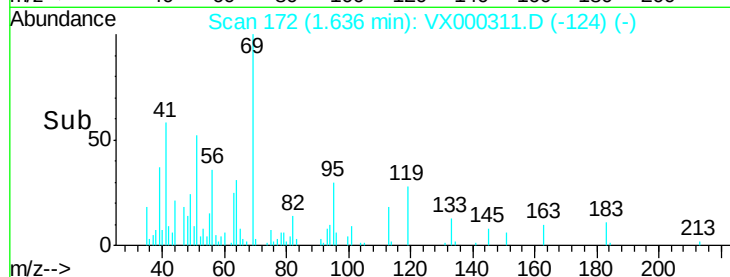
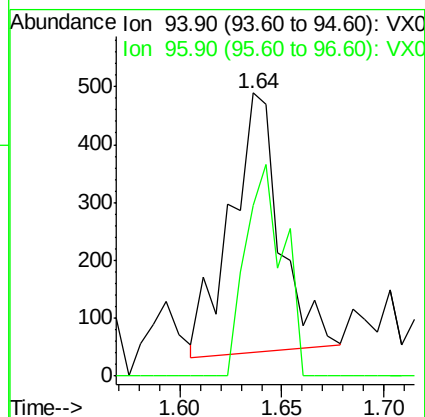
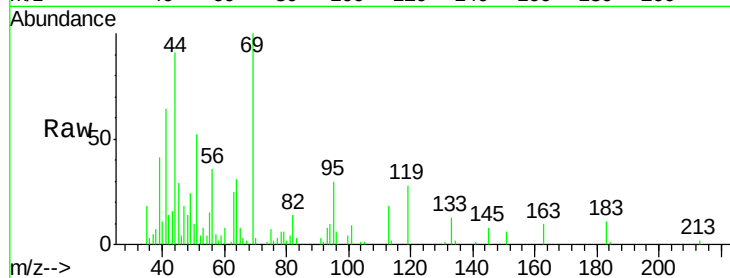
ClientSampled :
13118

Tot Ion: 94 Resp: 756

Ion Ratio Lower Upper

94 100

96 67.4 75.3 112.9#



#6

Chloroethane

Concen: 0.27 ug/l

RT: 1.79 min Scan# 197

Delta R.T. 0.07 min

Lab File: VX000311.D

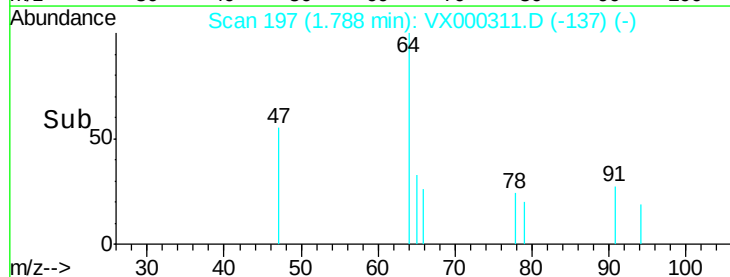
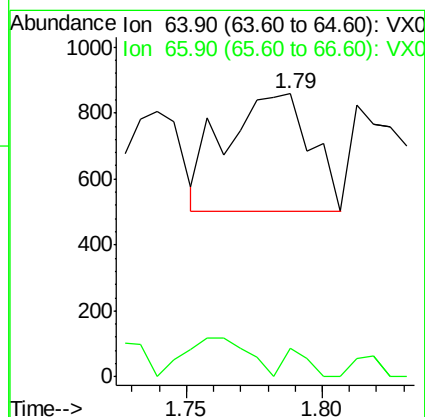
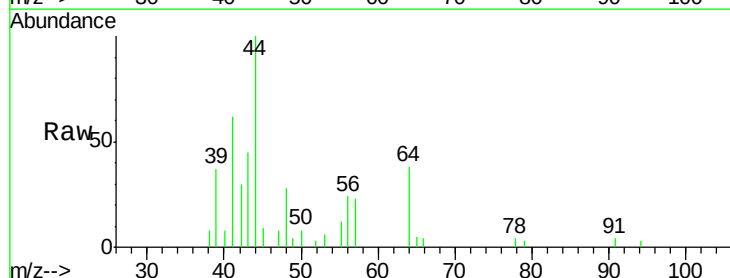
Acq: 13 Mar 2018 20:02

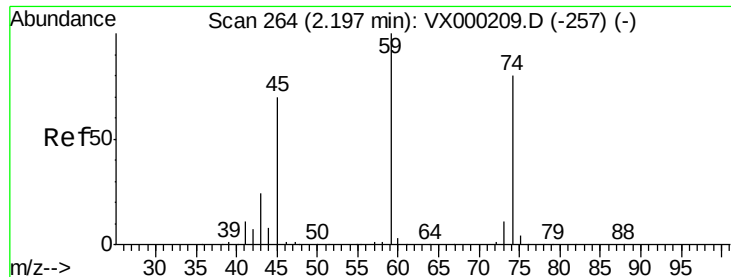
Tgt Ion: 64 Resp: 778

Ion Ratio Lower Upper

64 100

66 24.7 26.2 39.4#

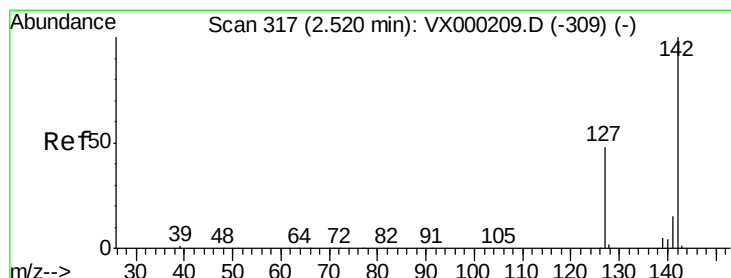
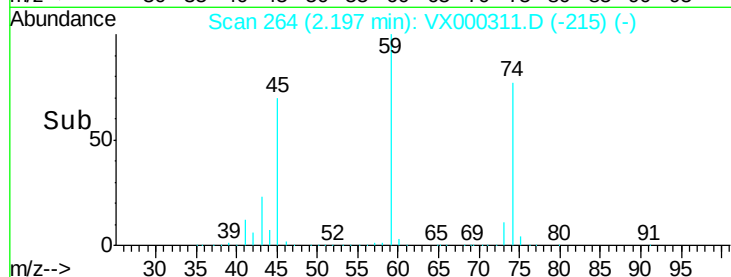
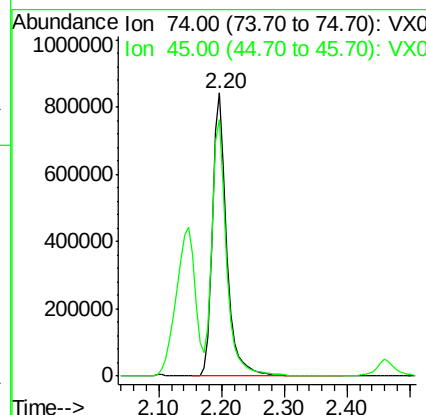
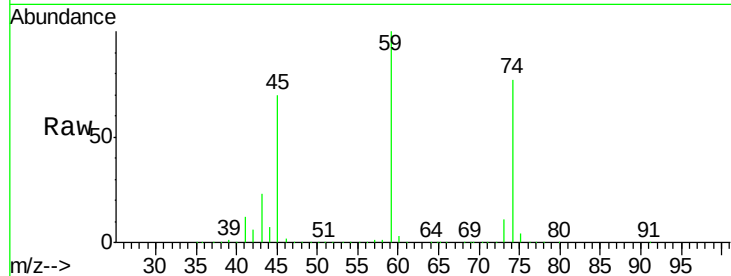




#8
 Diethyl Ether
 Concen: 1293.65 ug/l
 RT: 2.20 min Scan# 264
 Delta R.T. 0.00 min
 Lab File: VX000311.D
 Acq: 13 Mar 2018 20:02

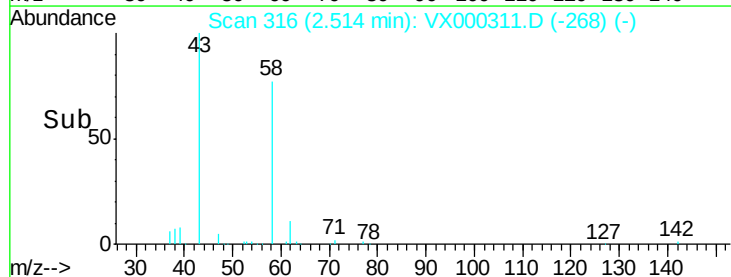
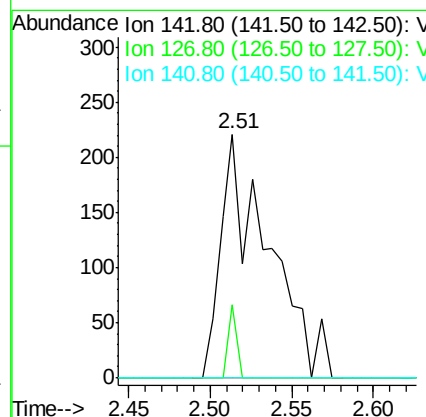
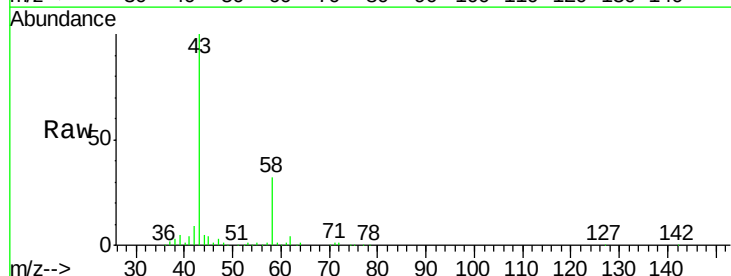
Instrument :
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 ClientSampleId :
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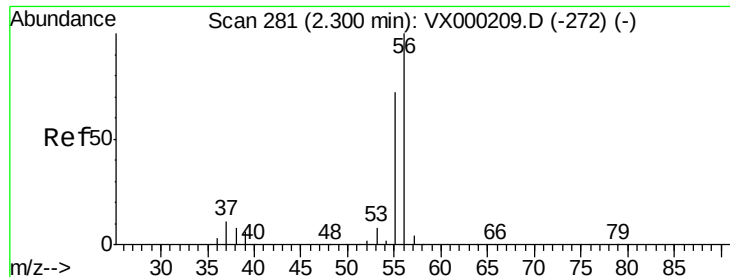
Tot Ion: 74 Resp: 1313640
 Ion Ratio Lower Upper
 74 100
 45 93.0 47.2 141.6



#10
 Methyl Iodide
 Concen: 3.40 ug/l
 RT: 2.51 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VX000311.D
 Acq: 13 Mar 2018 20:02

Tgt Ion: 142 Resp: 448
 Ion Ratio Lower Upper
 142 100
 127 5.4 39.0 58.6#
 141 0.0 11.6 17.4#





#13

Acrolein

Concen: 1.35 ug/l

RT: 2.26 min Scan# 275

Delta R.T. -0.04 min

Lab File: VX000311.D

Acq: 13 Mar 2018 20:02

Instrument :

MSVOA_X

ClientSampled :

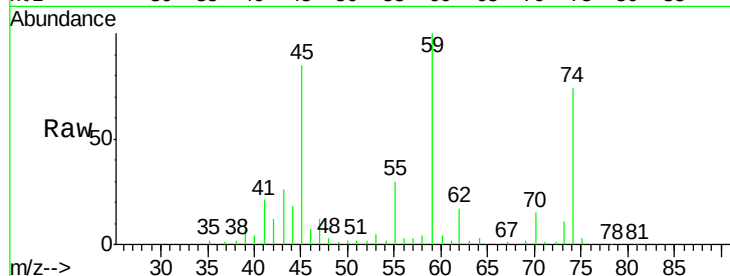
13118

Tot Ion: 56 Resp: 486

Ion Ratio Lower Upper

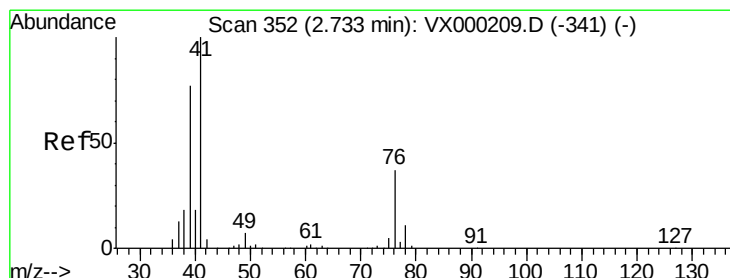
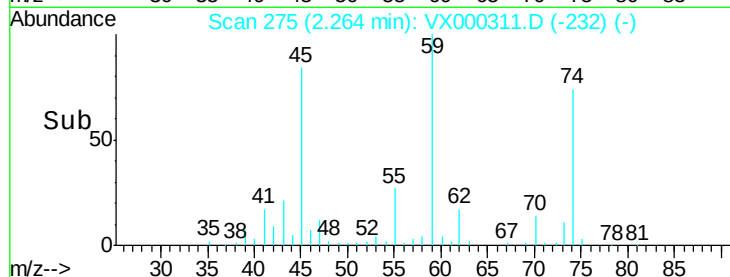
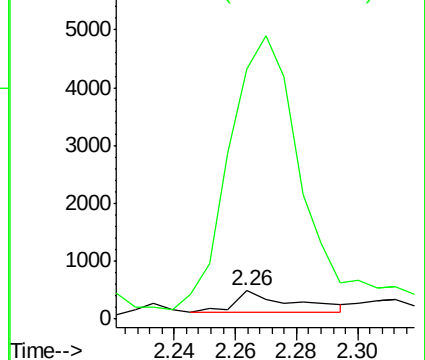
56 100

55 1684.2 59.2 88.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 64.24 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX000311.D

Acq: 13 Mar 2018 20:02

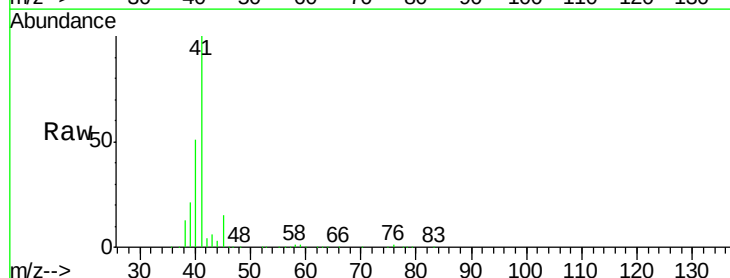
Tgt Ion: 41 Resp: 168363

Ion Ratio Lower Upper

41 100

39 20.1 57.0 85.6#

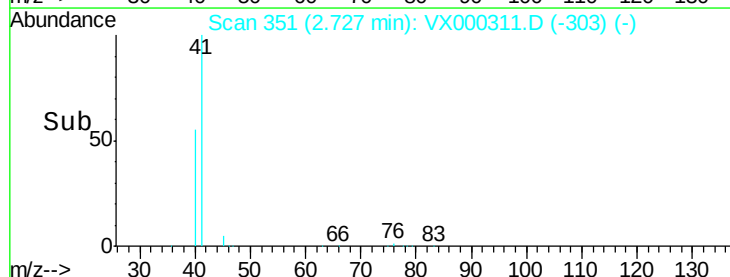
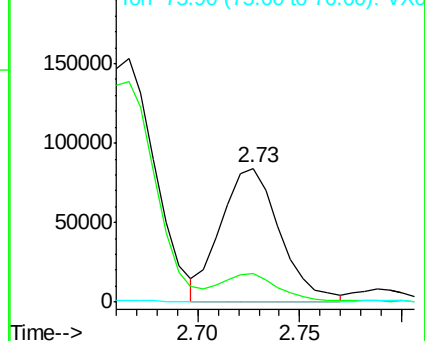
76 0.0 26.8 40.2#

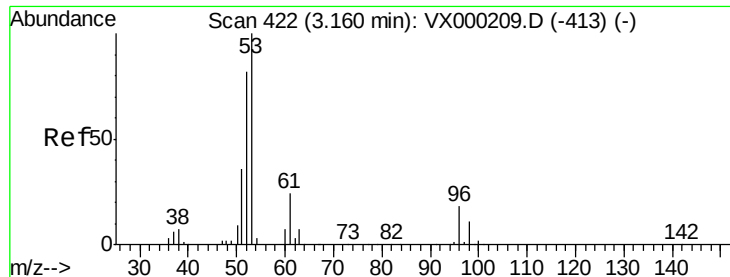


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 1193.95 ug/l

RT: 3.23 min Scan# 433

Delta R.T. 0.07 min

Lab File: VX000311.D

Acq: 13 Mar 2018 20:02

Instrument :

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13118

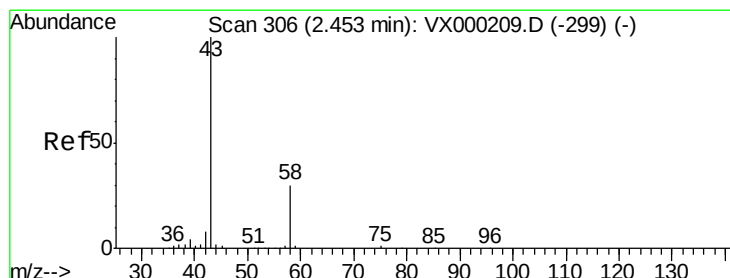
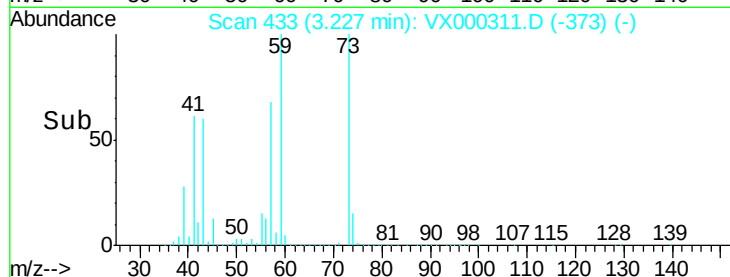
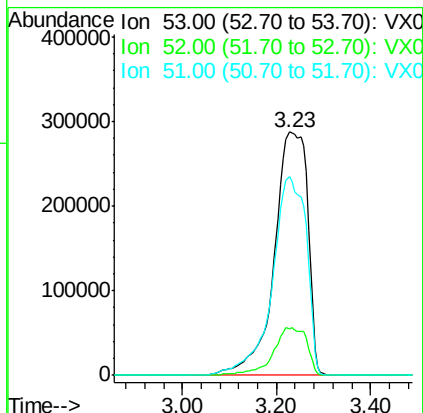
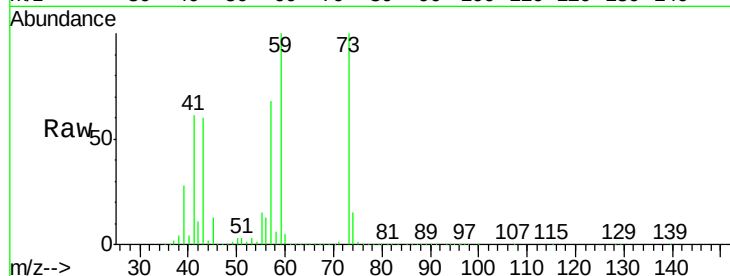
Tot Ion: 53 Resp: 1423654

Ion Ratio Lower Upper

53 100

52 19.8 66.3 99.5#

51 83.1 29.6 44.4#



#16

Acetone

Concen: 7261.56 ug/l

RT: 2.46 min Scan# 307

Delta R.T. 0.01 min

Lab File: VX000311.D

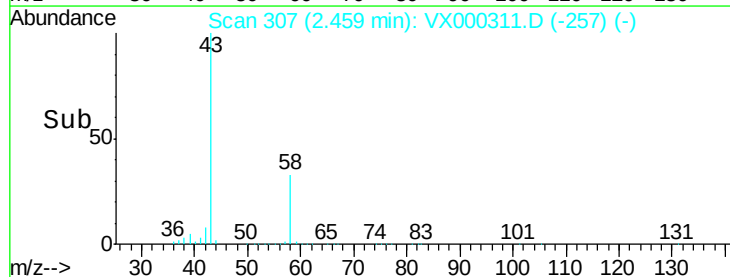
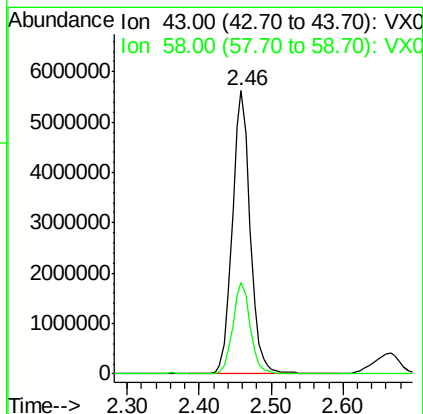
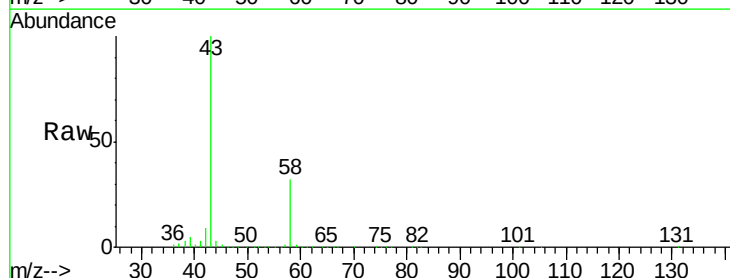
Acq: 13 Mar 2018 20:02

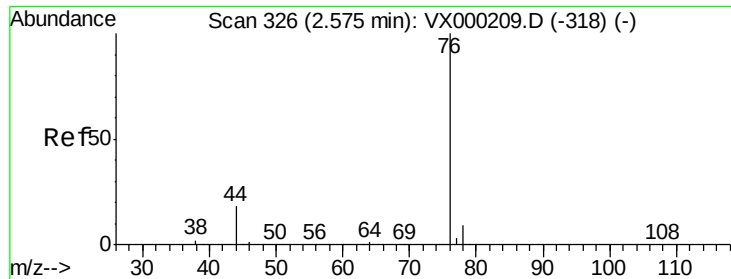
Tgt Ion: 43 Resp: 9724120

Ion Ratio Lower Upper

43 100

58 32.3 23.8 35.6





#17

Carbon Disulfide

Concen: 0.98 ug/l

RT: 2.64 min Scan# 337

Delta R.T. 0.07 min

Lab File: VX000311.D

Acq: 13 Mar 2018 20:02

Instrument :

MSVOA_X

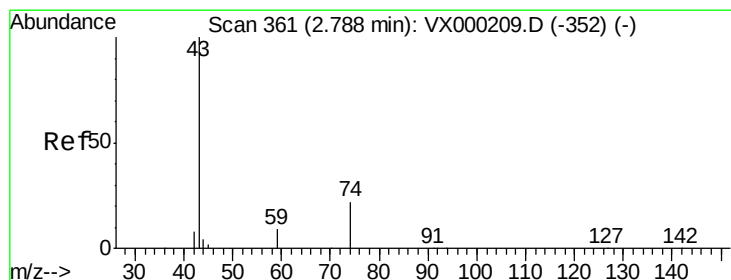
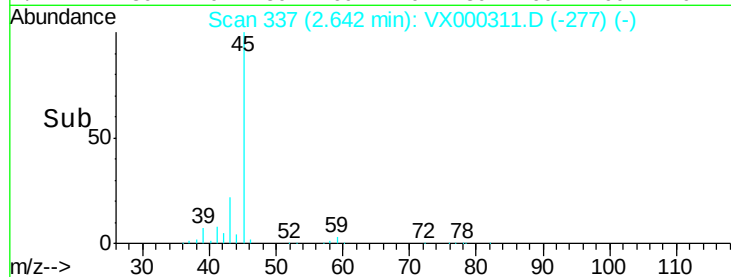
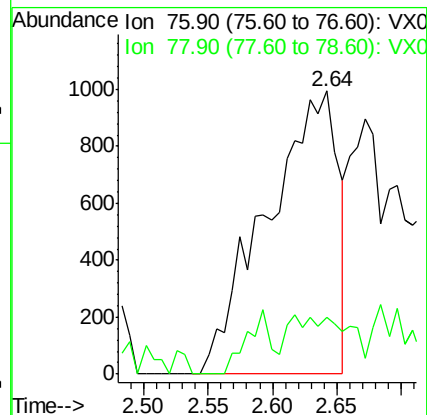
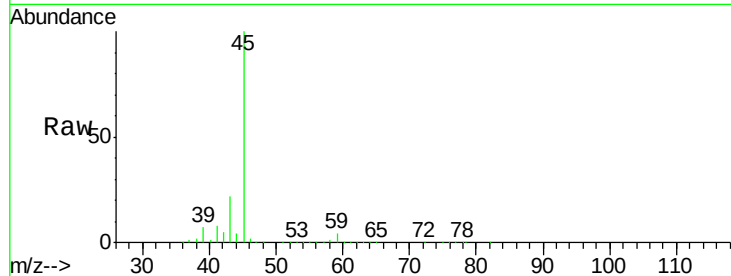
ClientSampled :
13118

Tot Ion: 76 Resp: 3825

Ion Ratio Lower Upper

76 100

78 20.0 7.0 10.6#



#18

Methyl Acetate

Concen: 273.38 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.00 min

Lab File: VX000311.D

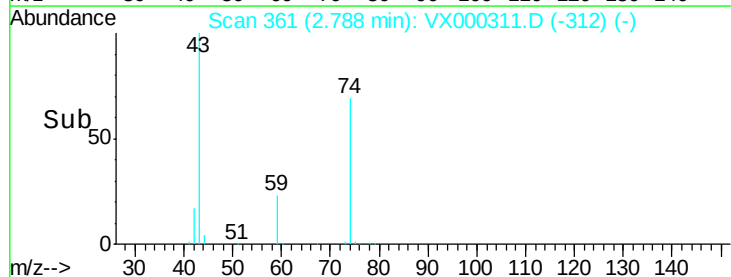
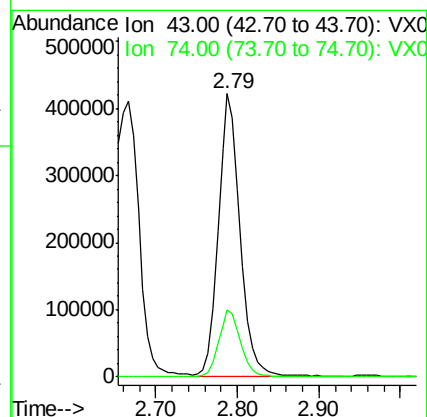
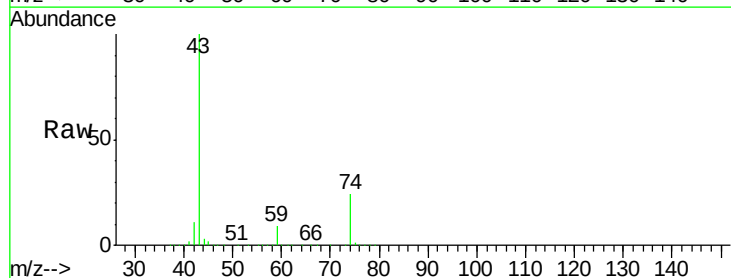
Acq: 13 Mar 2018 20:02

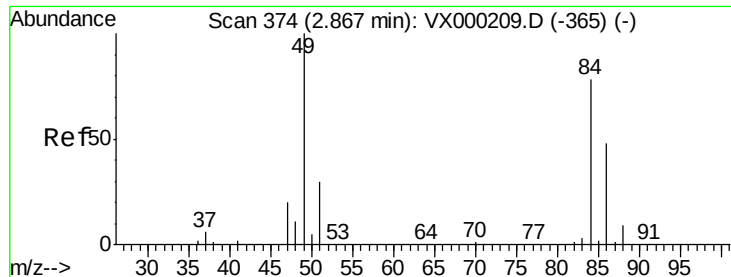
Tgt Ion: 43 Resp: 779633

Ion Ratio Lower Upper

43 100

74 23.9 18.9 28.3

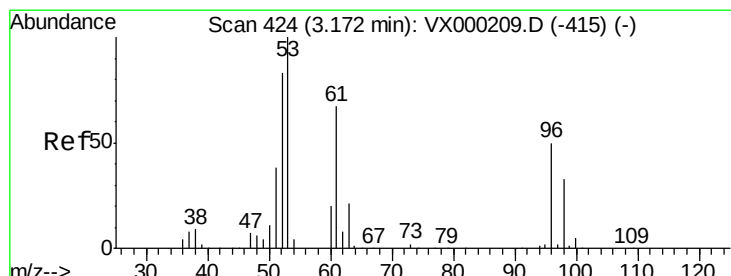
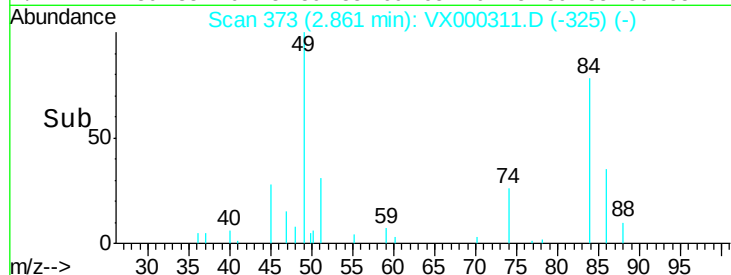
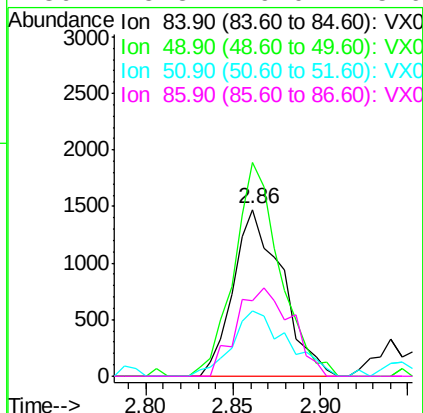
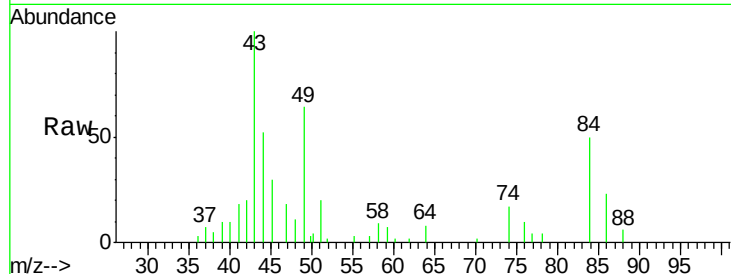




#20
Methvlene Chloride
Concen: 1.79 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

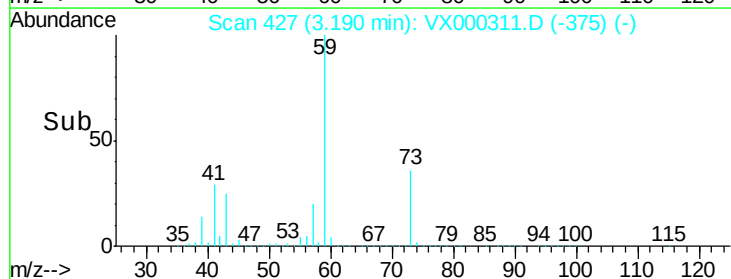
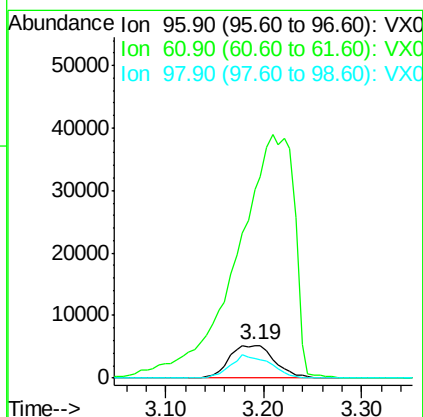
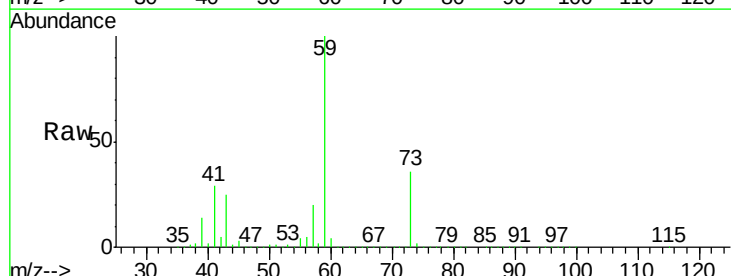
Instrument :
MSVOA_X
ClientSampleId :
13118

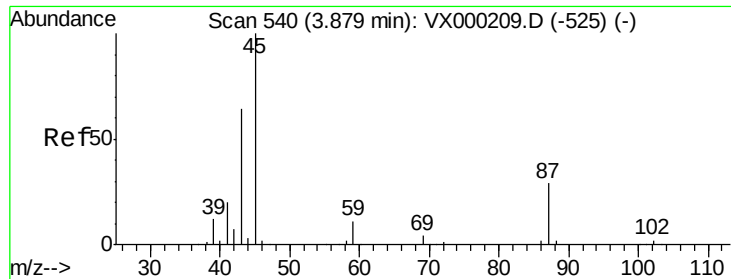
Tot Ion: 84 Resp: 2862
Ion Ratio Lower Upper
84 100
49 127.9 102.1 153.1
51 39.4 30.6 45.8
86 45.3 49.0 73.6#



#21
trans-1,2-Dichloroethene
Concen: 10.85 ug/l
RT: 3.19 min Scan# 427
Delta R.T. 0.02 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

Tgt Ion: 96 Resp: 16923
Ion Ratio Lower Upper
96 100
61 570.2 107.0 160.4#
98 59.9 51.8 77.8

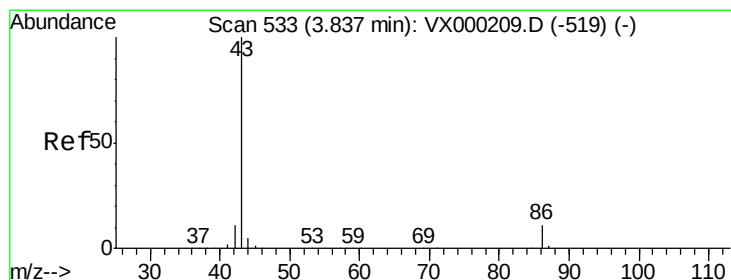
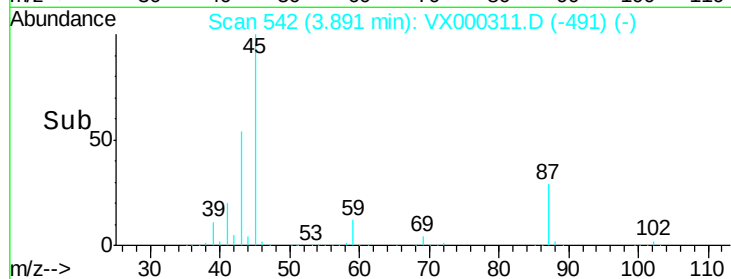
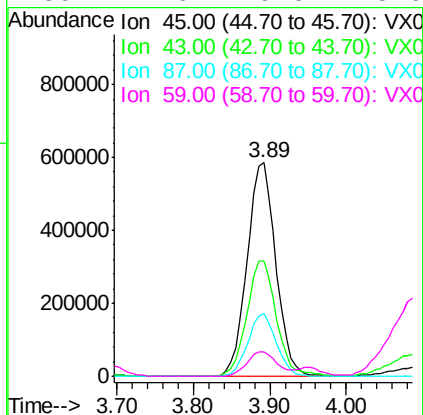
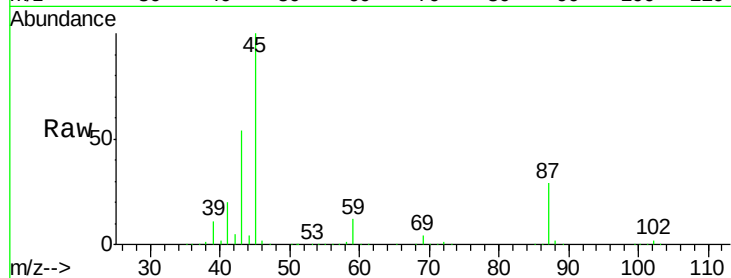




#22
Diisopropyl ether
Concen: 339.57 ug/l
RT: 3.89 min Scan# 542
Delta R.T. 0.01 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

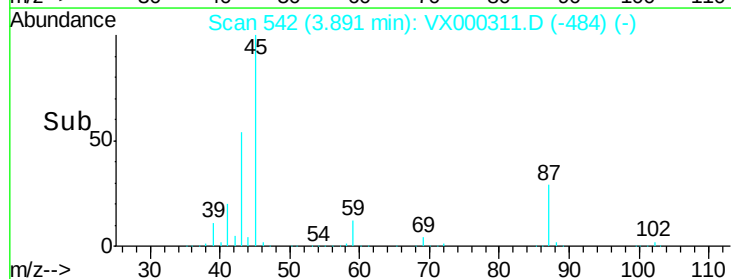
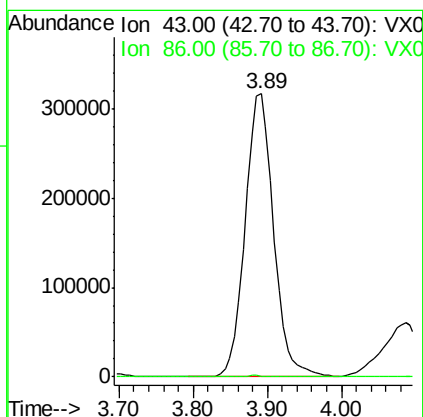
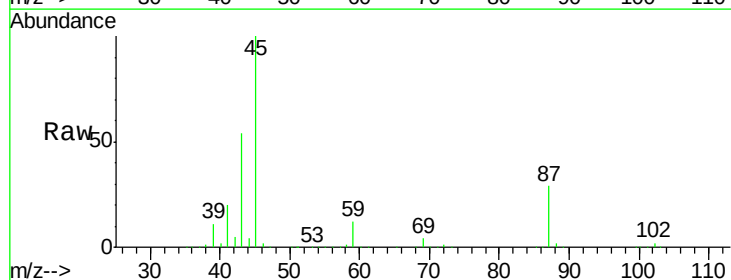
Instrument :
MSVOA_X
ClientSampleId :
13118

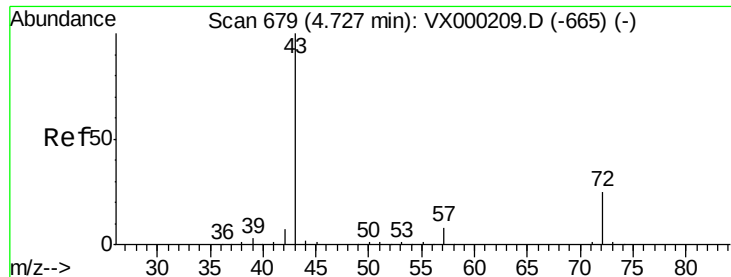
Tot Ion:	45	Resp:	1528258
Ion	Ratio	Lower	Upper
45	100		
43	54.0	53.5	80.3
87	29.2	23.3	34.9
59	11.6	9.0	13.6



#23
Vinyl Acetate
Concen: 196.11 ug/l
RT: 3.89 min Scan# 542
Delta R.T. 0.05 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

Tgt Ion:	43	Resp:	850627
Ion	Ratio	Lower	Upper
43	100		
86	0.4	8.5	12.7#





#25

2-Butanone

Concen: 761.84 ug/l

RT: 4.73 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX000311.D

Acq: 13 Mar 2018 20:02

Instrument :

MSVOA_X

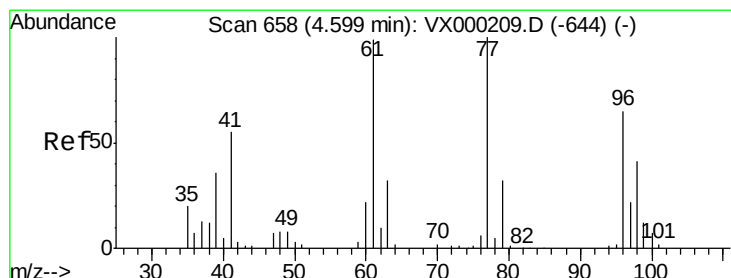
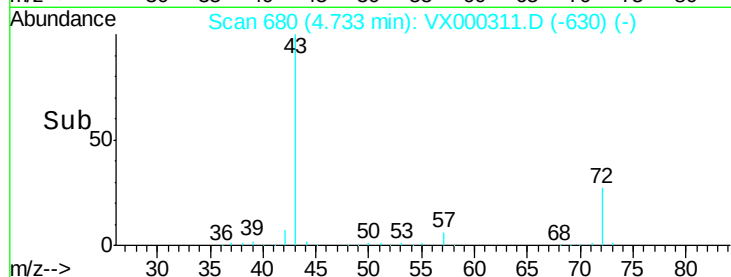
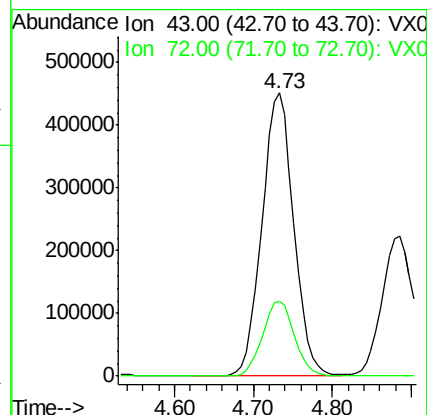
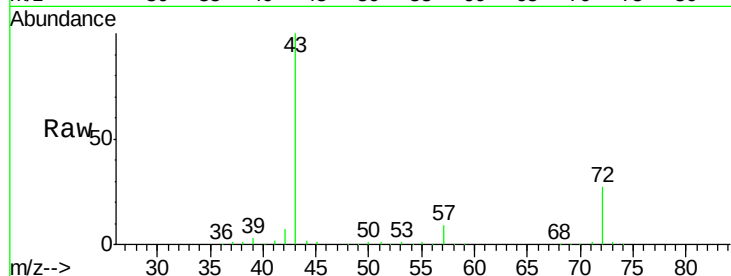
ClientSampled :
13118

Tot Ion: 43 Resp: 1259017

Ion Ratio Lower Upper

43 100

72 26.6 20.2 30.2



#26

2,2-Dichloropropane

Concen: 0.40 ug/l

RT: 4.47 min Scan# 637

Delta R.T. -0.13 min

Lab File: VX000311.D

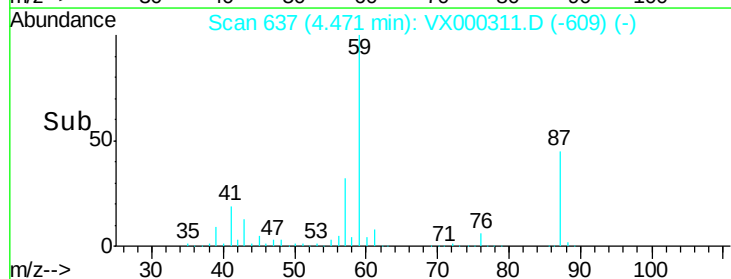
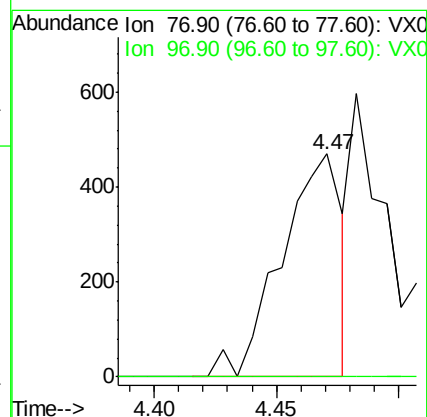
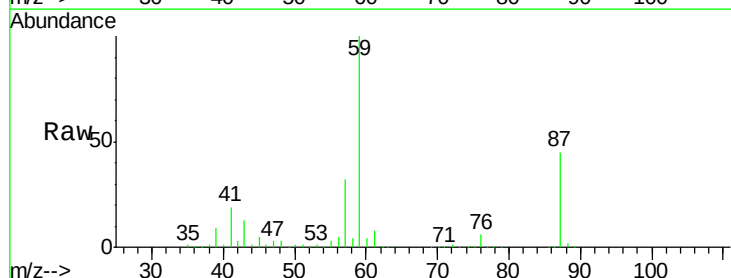
Acq: 13 Mar 2018 20:02

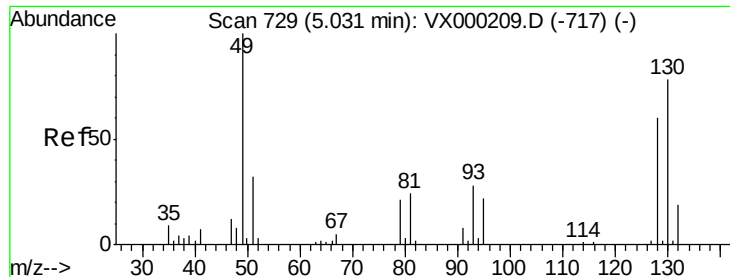
Tgt Ion: 77 Resp: 805

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.1#





#28

Bromochloromethane

Concen: 2.01 ug/l

RT: 5.24 min Scan# 764

Delta R.T. 0.21 min

Lab File: VX000311.D

Acq: 13 Mar 2018 20:02

Instrument :

MSVOA_X

ClientSampled :

13118

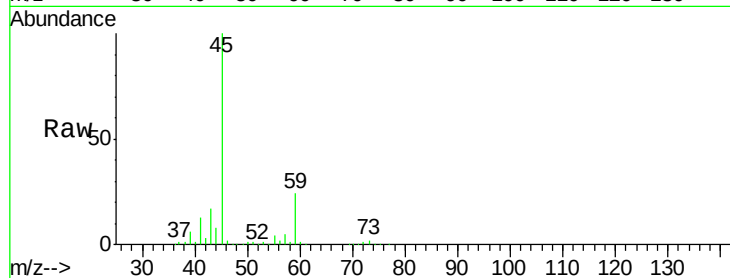
Tot Ion: 49 Resp: 2358

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.0

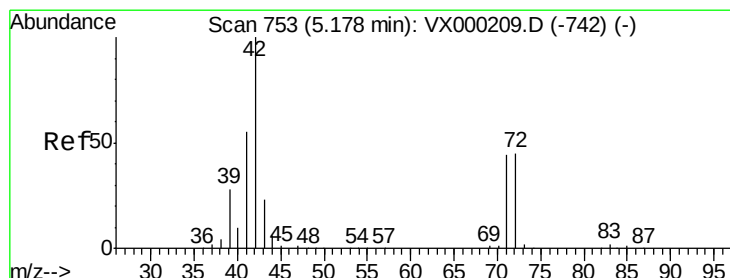
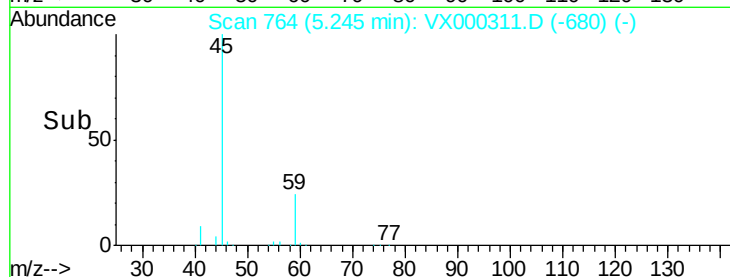
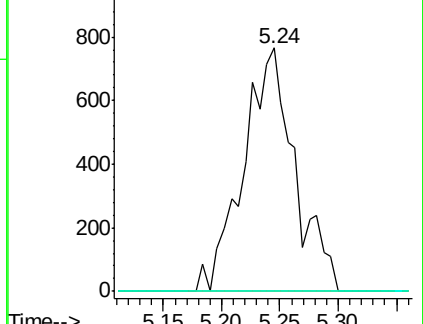
130 0.0 63.5 95.3#



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: 65.08 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.02 min

Lab File: VX000311.D

Acq: 13 Mar 2018 20:02

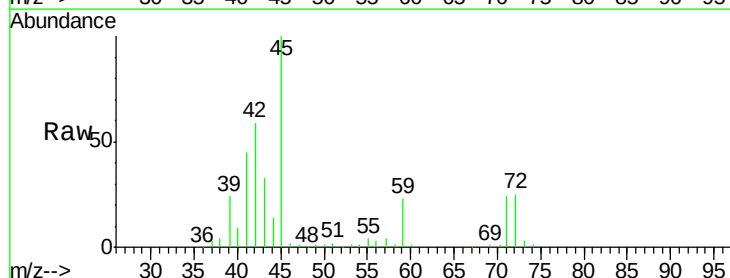
Tgt Ion: 42 Resp: 67552

Ion Ratio Lower Upper

42 100

72 43.0 37.3 55.9

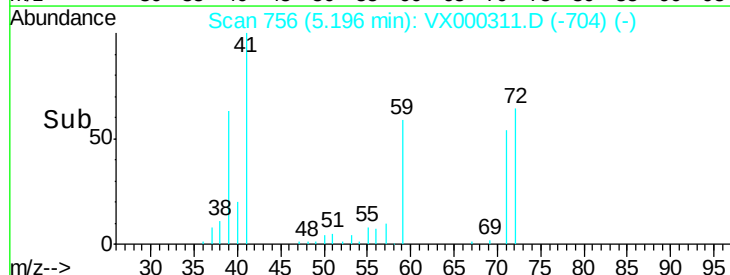
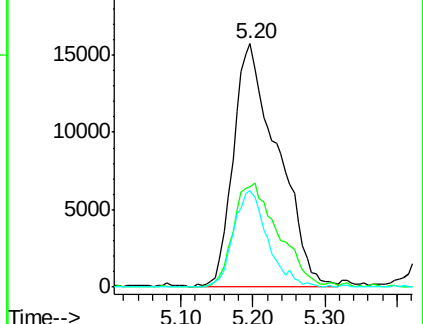
71 30.6 35.0 52.4#

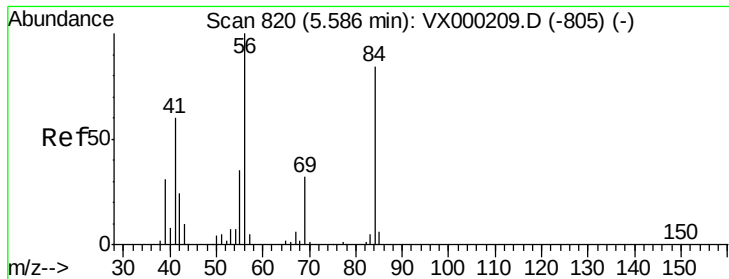


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

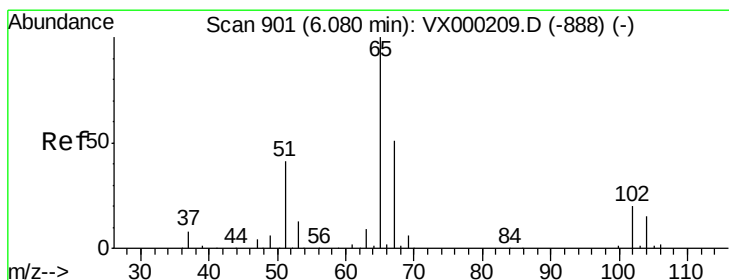
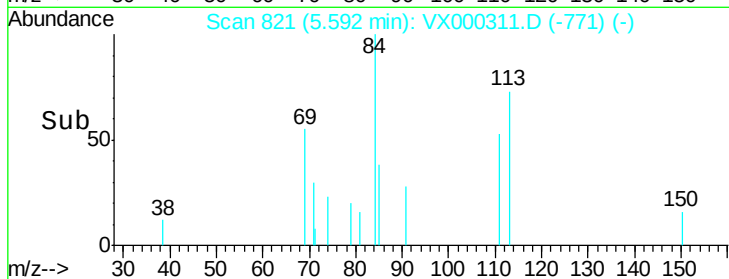
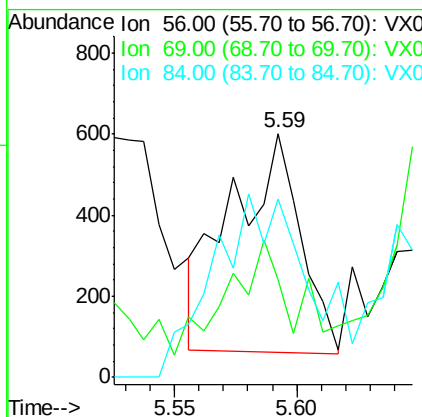
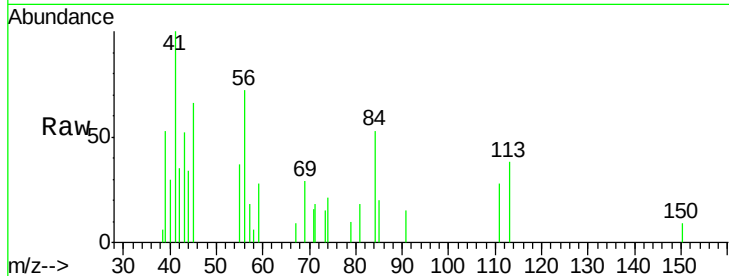




#31
Cyclohexane
Concen: 0.52 ug/l
RT: 5.59 min Scan# 821
Delta R.T. 0.01 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

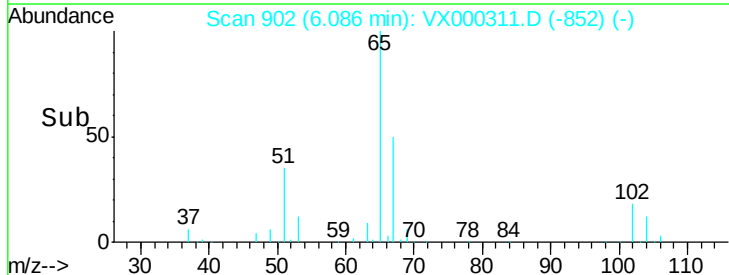
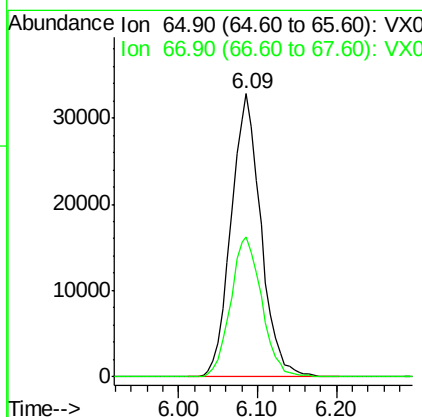
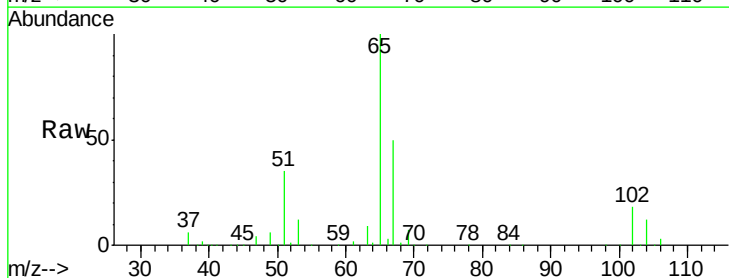
Instrument :
MSVOA_X
ClientSampled :
13118

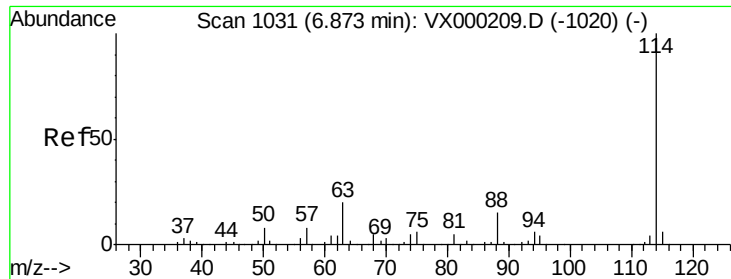
Tot Ion: 56 Resp: 1059
Ion Ratio Lower Upper
56 100
69 21.4 25.3 37.9#
84 57.8 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 46.17 ug/l
RT: 6.09 min Scan# 902
Delta R.T. 0.01 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

Tgt Ion: 65 Resp: 86090
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VX000311.D

Acq: 13 Mar 2018 20:02

Instrument :

MSVOA_X

ClientSampled :
13118

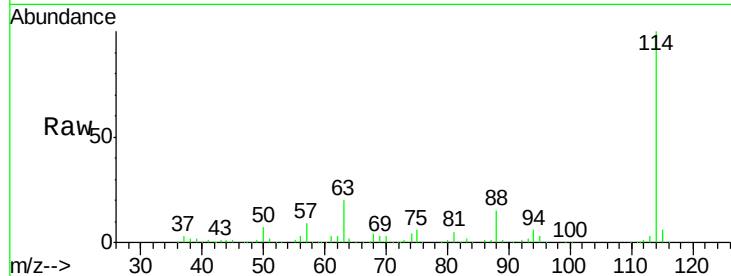
Tot Ion:114 Resp: 259491

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.2

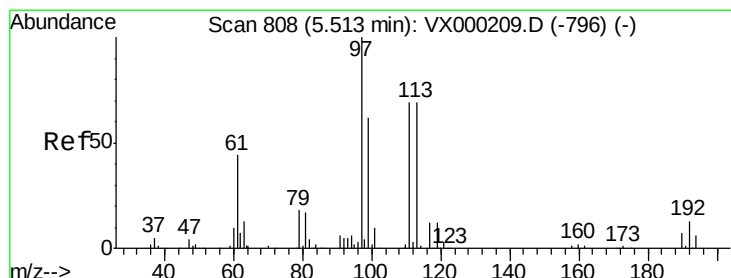
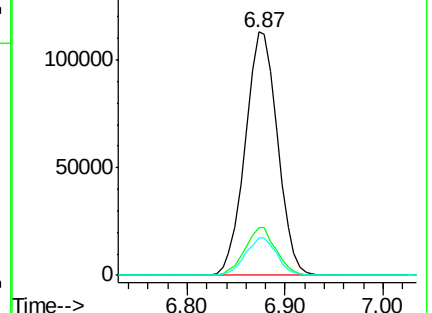
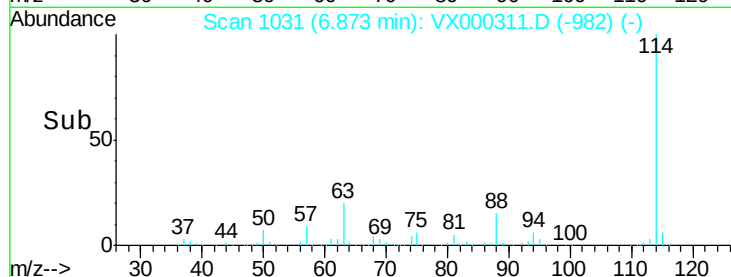
88 15.5 0.0 29.8



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: 37.02 ug/l

RT: 5.53 min Scan# 810

Delta R.T. 0.01 min

Lab File: VX000311.D

Acq: 13 Mar 2018 20:02

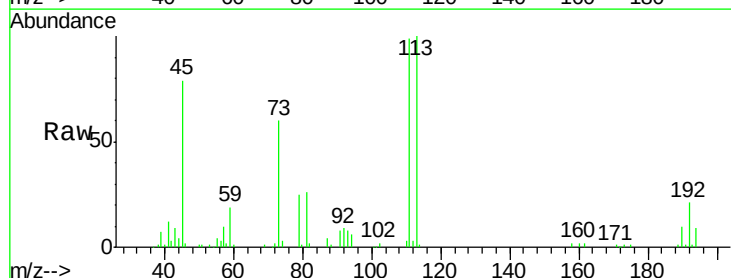
Tgt Ion:113 Resp: 60339

Ion Ratio Lower Upper

113 100

111 102.6 83.0 124.6

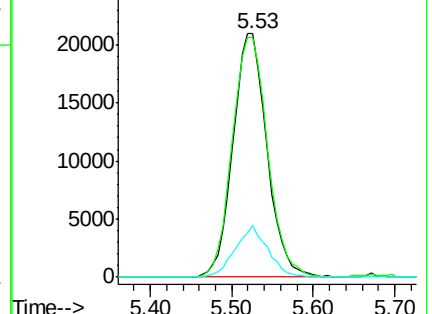
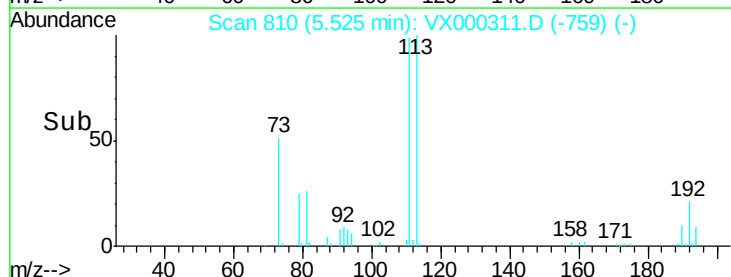
192 20.0 15.5 23.3

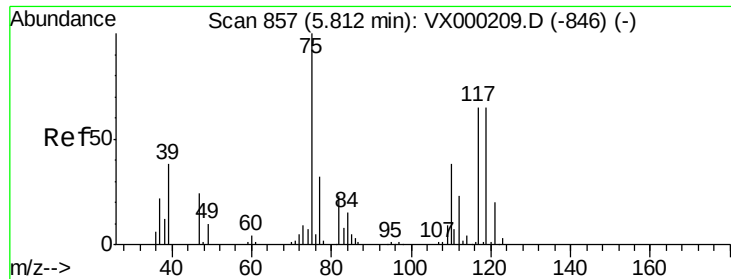


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

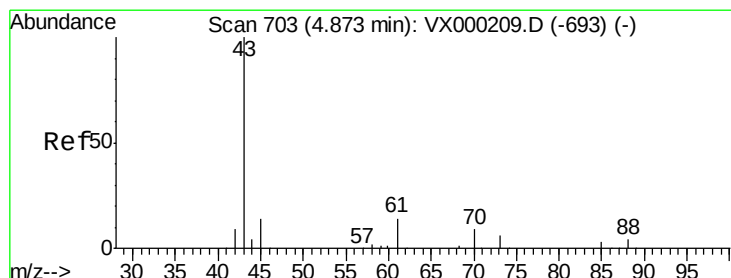
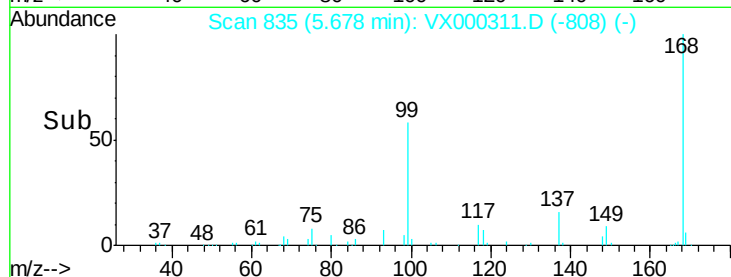
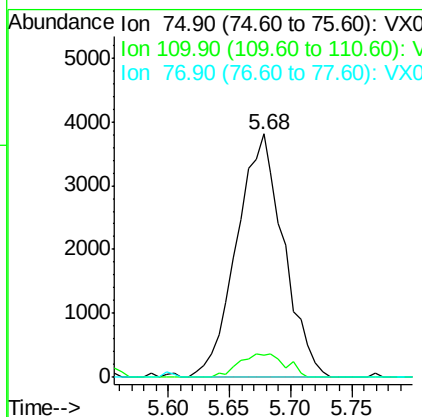
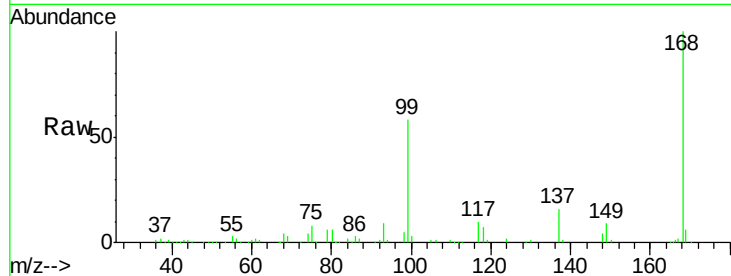




#36
 1,1-Dichloropropene
 Concen: 4.40 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.13 min
 Lab File: VX000311.D
 Acq: 13 Mar 2018 20:02

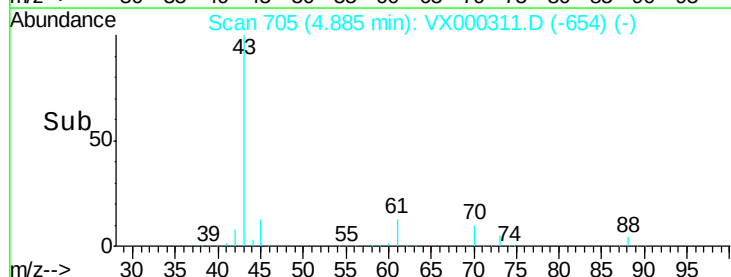
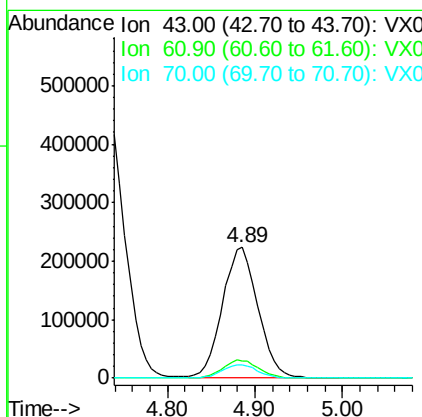
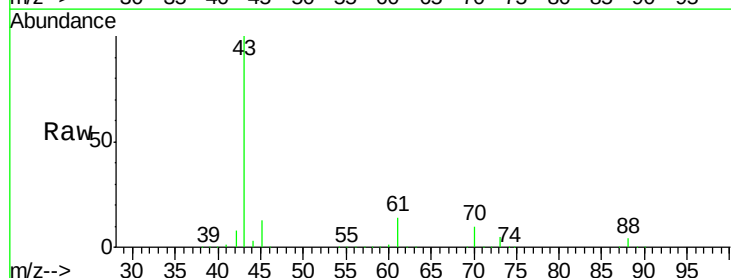
Instrument :
 MSVOA_X
 ClientSampleId :
 13118

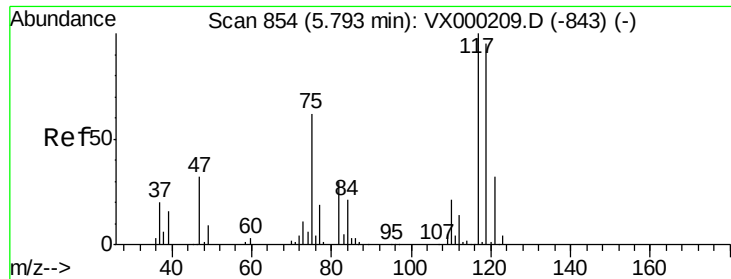
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.5	17.8	53.5#
77	0.0	24.9	37.3#



#37
 Ethyl Acetate
 Concen: 188.49 ug/l
 RT: 4.89 min Scan# 705
 Delta R.T. 0.01 min
 Lab File: VX000311.D
 Acq: 13 Mar 2018 20:02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.0	16.6
70	10.1	7.8	11.6





#38

Carbon Tetrachloride

Concen: 5.48 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX000311.D

Acq: 13 Mar 2018 20:02

Instrument :

MSVOA_X

ClientSampled :

13118

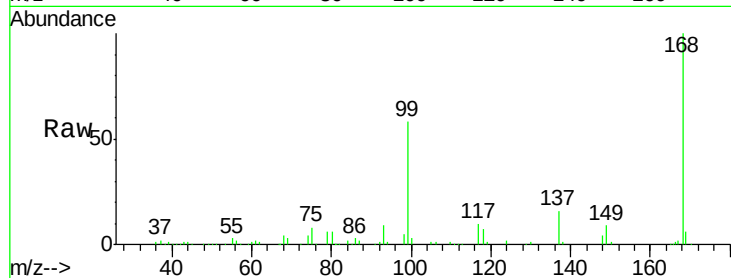
Tot Ion:117 Resp: 12814

Ion Ratio Lower Upper

117 100

119 7.0 75.9 113.9#

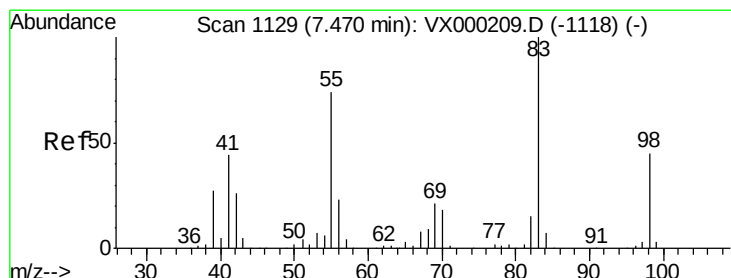
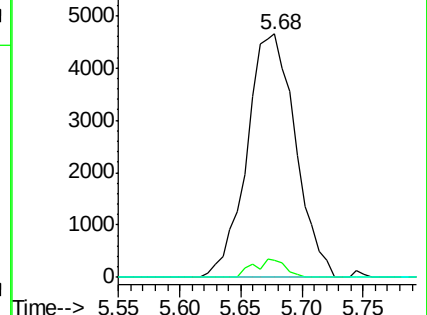
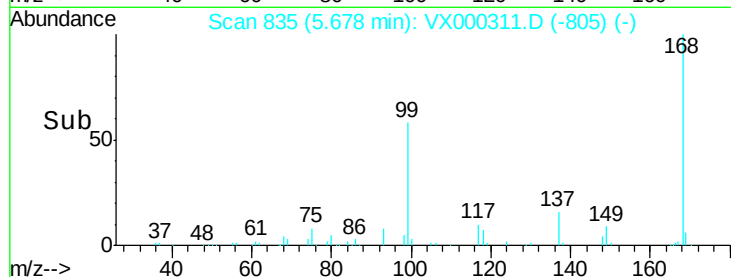
121 0.0 25.8 38.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.85 ug/l

RT: 7.47 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VX000311.D

Acq: 13 Mar 2018 20:02

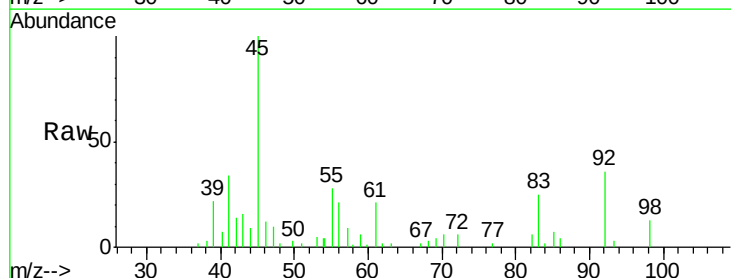
Tgt Ion: 83 Resp: 2395

Ion Ratio Lower Upper

83 100

55 79.4 59.4 89.0

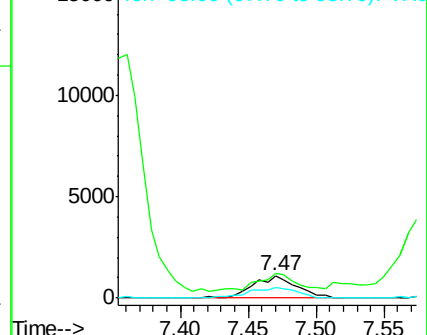
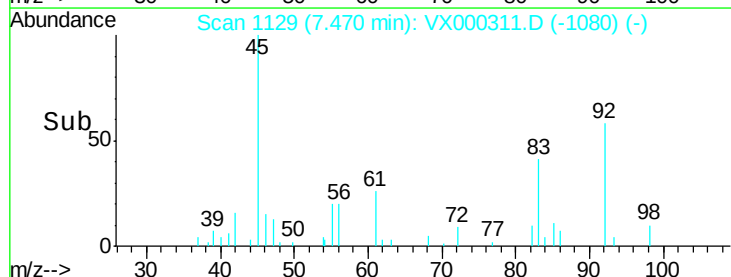
98 50.1 36.3 54.5

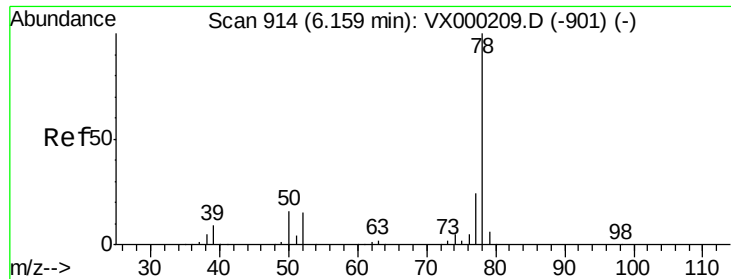


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 253.45 ug/l

RT: 6.16 min Scan# 914

Delta R.T. 0.00 min

Lab File: VX000311.D

Acq: 13 Mar 2018 20:02

Instrument :

MSVOA_X

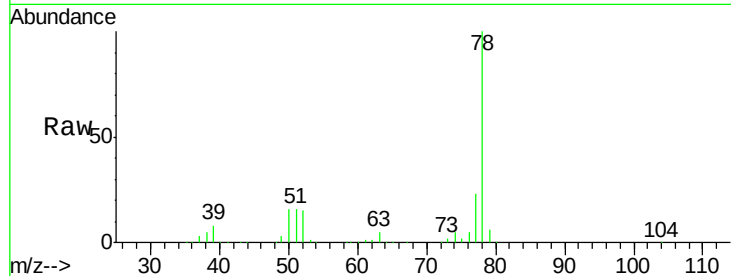
ClientSampleId :
13118

Tot Ion: 78 Resp: 1687737

Ion Ratio Lower Upper

78 100

77 23.2 19.4 29.2



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.16

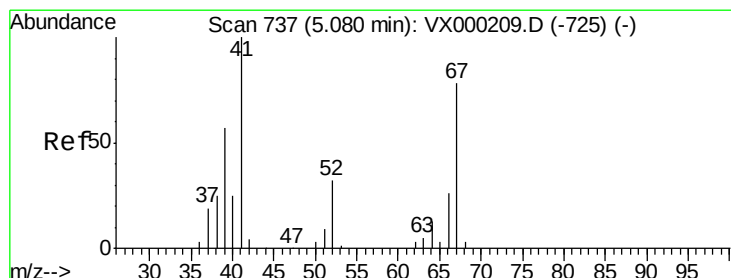
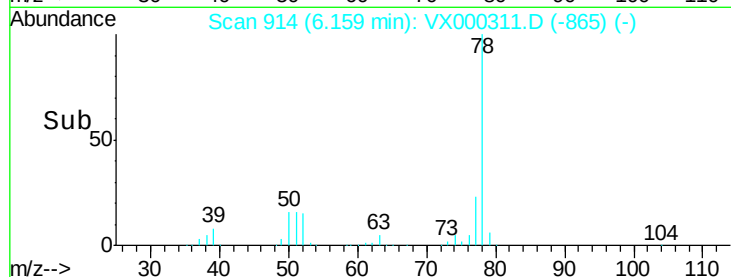
600000

400000

200000

0

Time-->



#41

Methacrylonitrile

Concen: 73.11 ug/l

RT: 5.24 min Scan# 763

Delta R.T. 0.16 min

Lab File: VX000311.D

Acq: 13 Mar 2018 20:02

Tgt Ion: 41 Resp: 124350

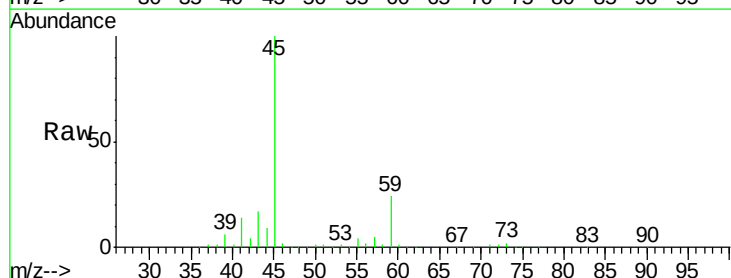
Ion Ratio Lower Upper

41 100

39 47.3 47.8 71.6#

67 0.1 59.3 88.9#

52 1.6 26.4 39.6#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

50000

40000

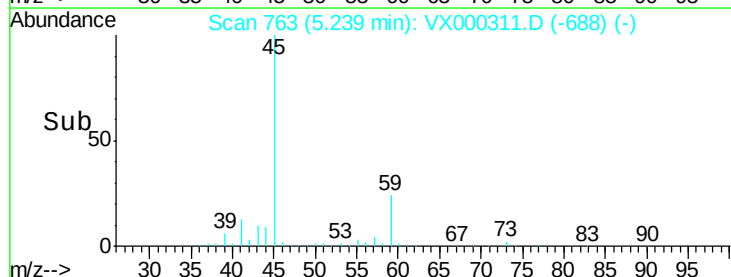
30000

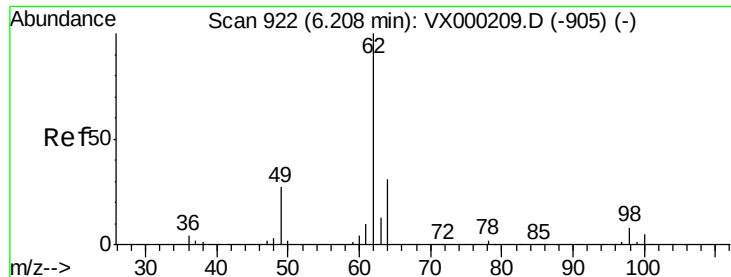
20000

10000

0

Time-->

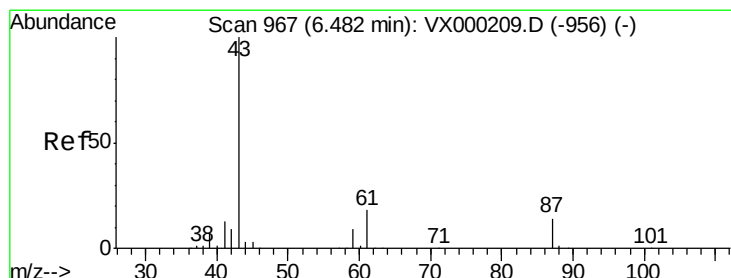
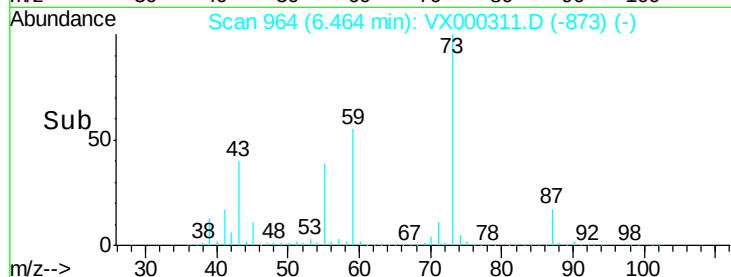
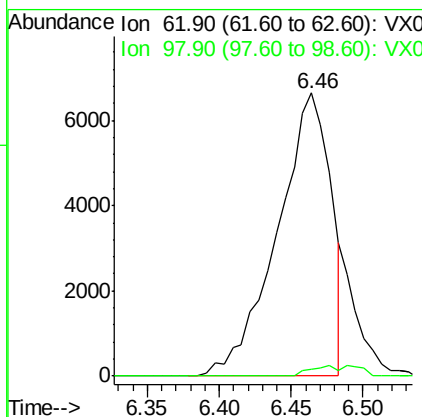
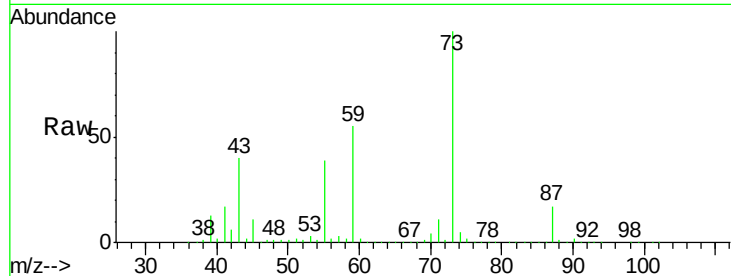




#42
 1,2-Dichloroethane
 Concen: 6.57 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. 0.26 min
 Lab File: VX000311.D
 Acq: 13 Mar 2018 20:02

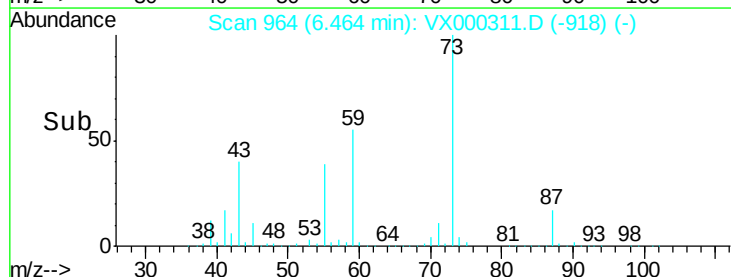
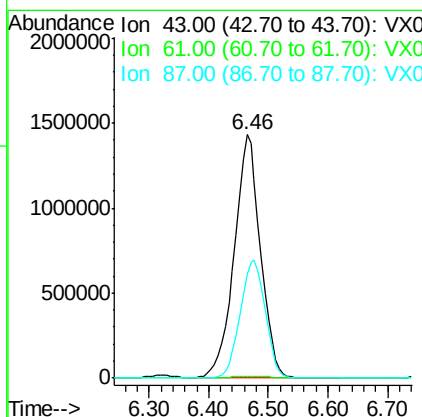
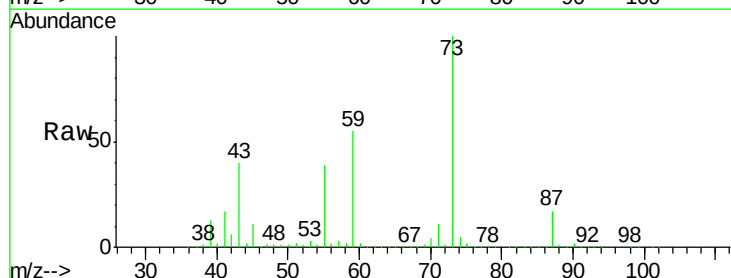
Instrument :
 MSVOA_X
 ClientSampled :
 13118

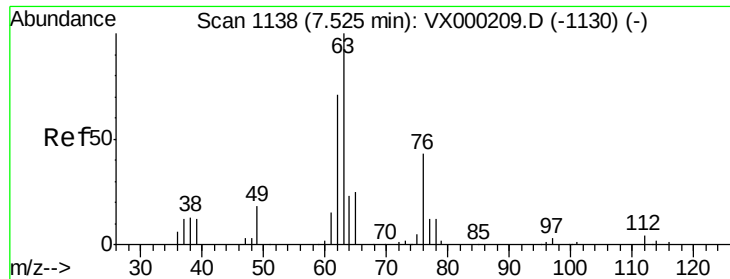
Tot Ion: 62 Resp: 17170
 Ion Ratio Lower Upper
 62 100
 98 1.8 0.0 16.2



#43
 Isopropyl Acetate
 Concen: 904.59 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.02 min
 Lab File: VX000311.D
 Acq: 13 Mar 2018 20:02

Tgt Ion: 43 Resp: 4364173
 Ion Ratio Lower Upper
 43 100
 61 1.1 14.8 22.2#
 87 46.6 10.6 16.0#

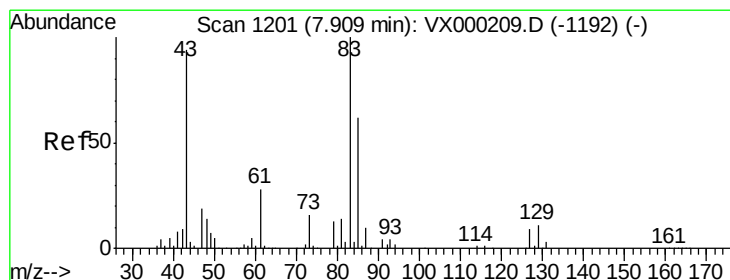
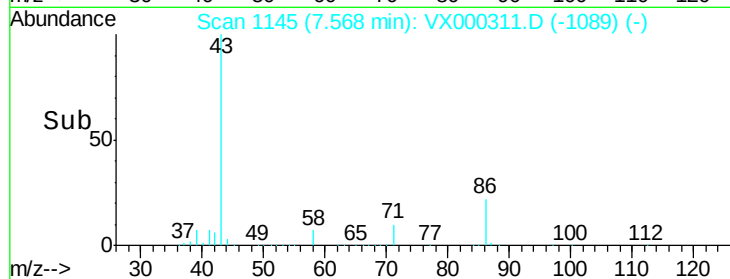
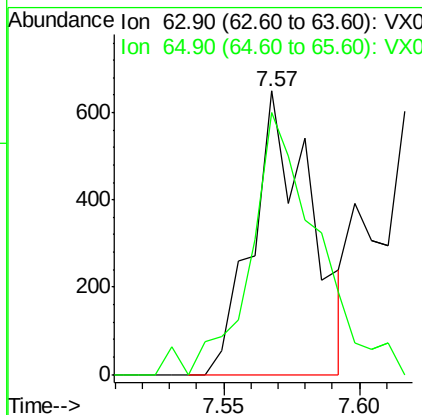
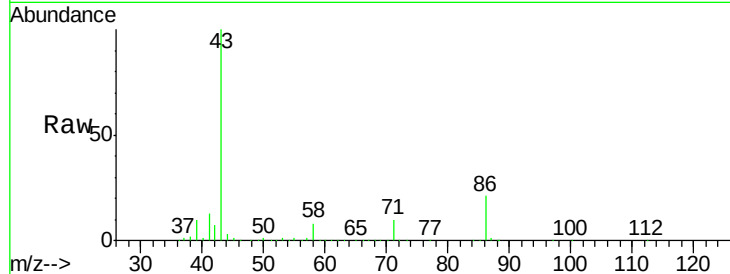




#45
 1,2-Dichloropropane
 Concen: 0.57 ug/l
 RT: 7.57 min Scan# 1145
 Delta R.T. 0.04 min
 Lab File: VX000311.D
 Acq: 13 Mar 2018 20:02

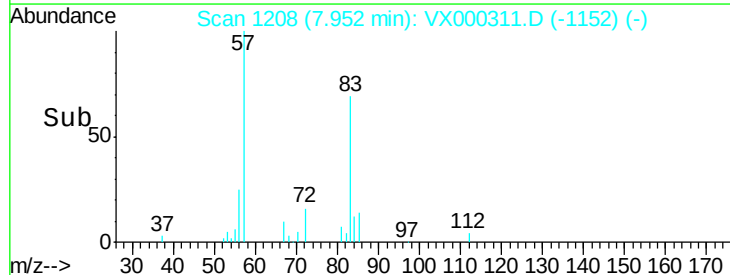
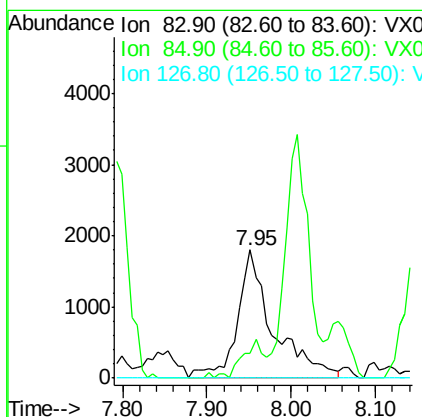
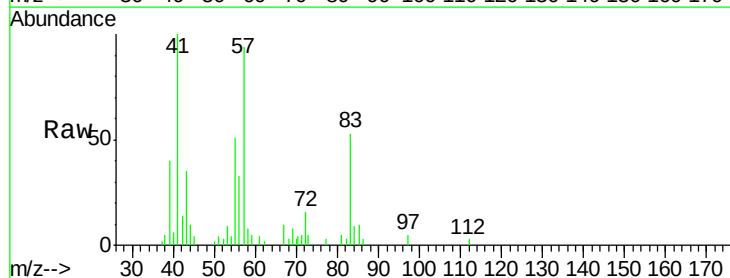
Instrument :
 MSVOA_X
 ClientSampled :
 13118

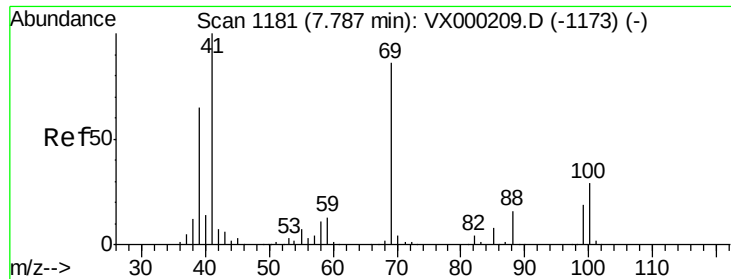
Tot Ion: 63 Resp: 959
 Ion Ratio Lower Upper
 63 100
 65 92.6 22.3 33.5#



#47
 Bromodichloromethane
 Concen: 2.20 ug/l
 RT: 7.95 min Scan# 1208
 Delta R.T. 0.04 min
 Lab File: VX000311.D
 Acq: 13 Mar 2018 20:02

Tgt Ion: 83 Resp: 5158
 Ion Ratio Lower Upper
 83 100
 85 19.8 49.6 74.4#
 127 0.0 7.0 10.4#

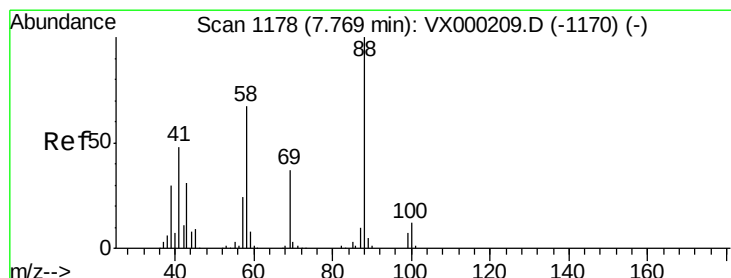
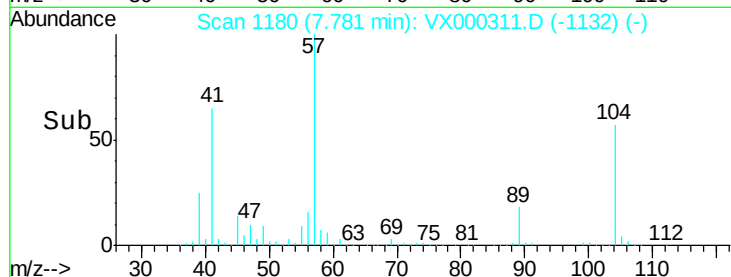
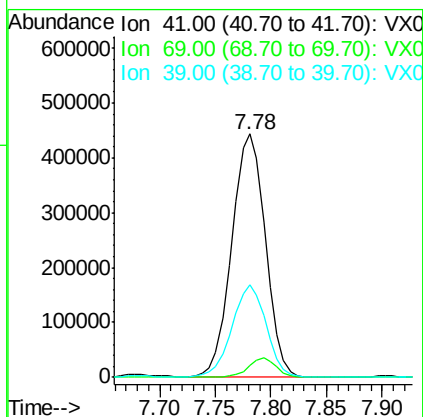
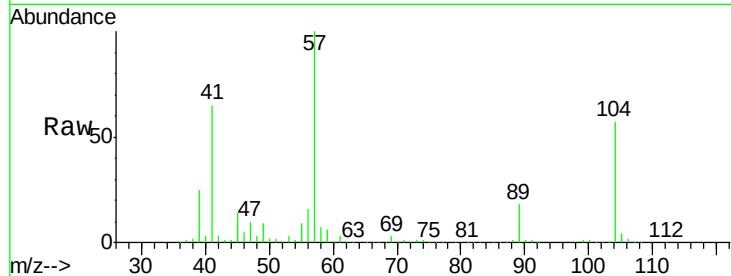




#48
Methvl methacrylate
Concen: 389.06 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

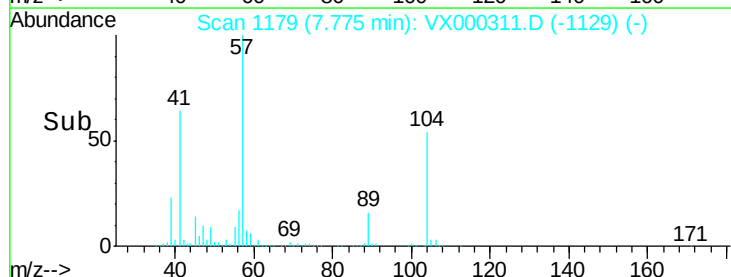
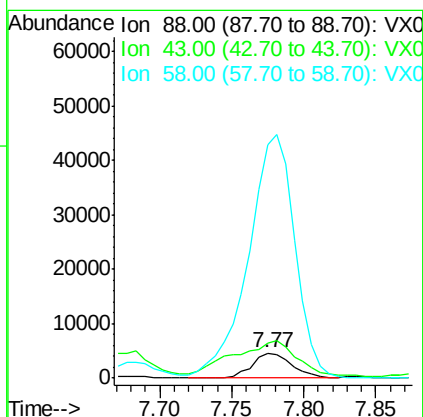
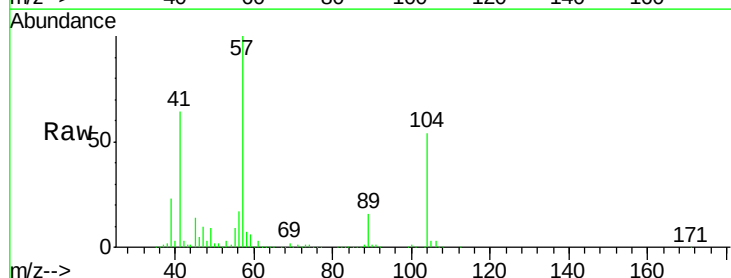
Instrument :
MSVOA_X
ClientSampled :
13118

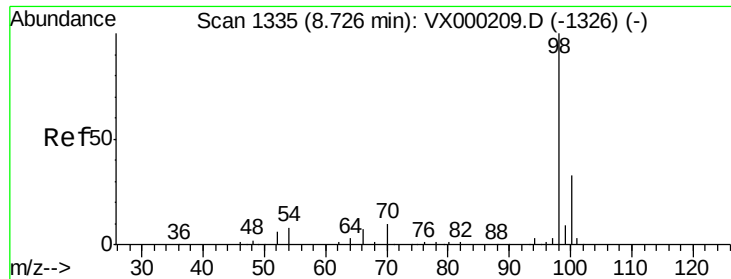
Tot Ion: 41 Resp: 924536
Ion Ratio Lower Upper
41 100
69 6.7 70.0 105.0#
39 38.6 53.6 80.4#



#49
1,4-Dioxane
Concen: 164.28 ug/l
RT: 7.77 min Scan# 1179
Delta R.T. 0.01 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

Tgt Ion: 88 Resp: 8862
Ion Ratio Lower Upper
88 100
43 0.0 26.9 40.3#
58 1133.4 52.2 78.4#

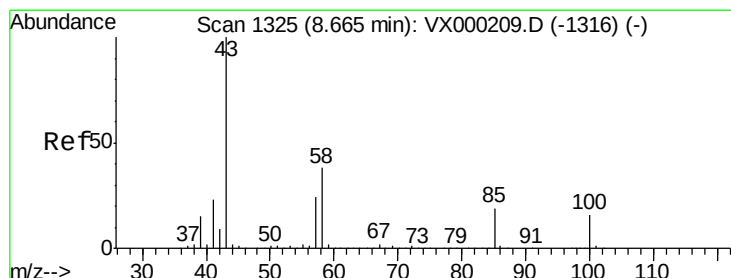
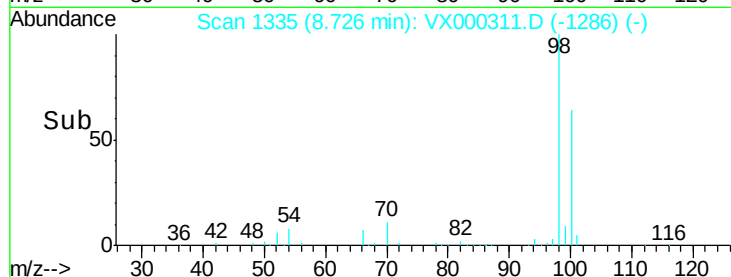
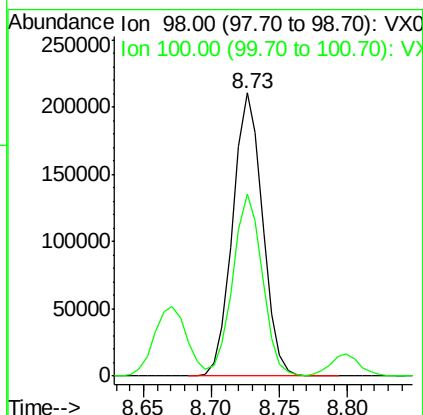
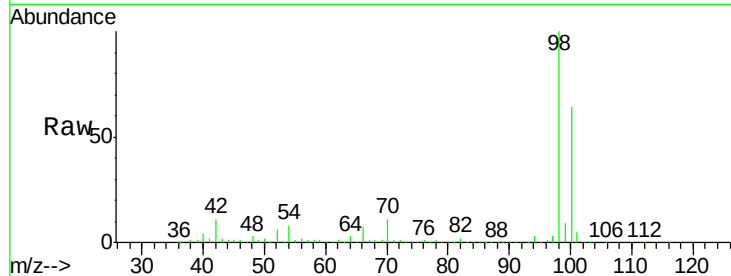




#50
Toluene-d8
Concen: 47.71 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

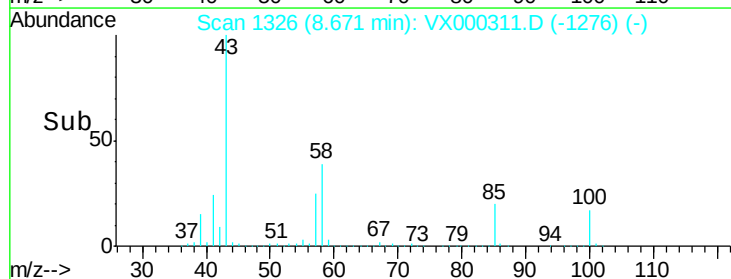
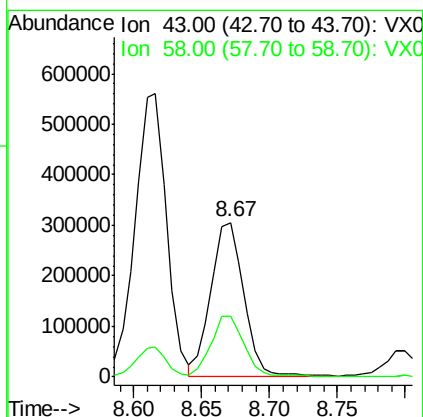
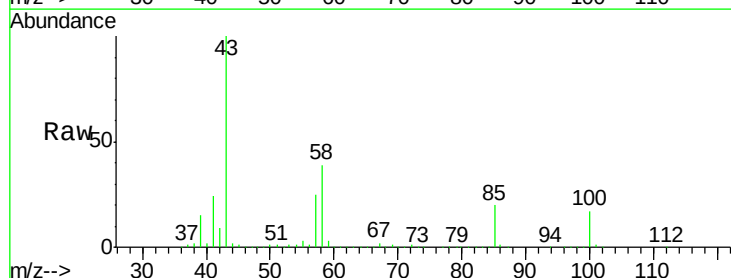
Instrument :
MSVOA_X
ClientSampleId :
13118

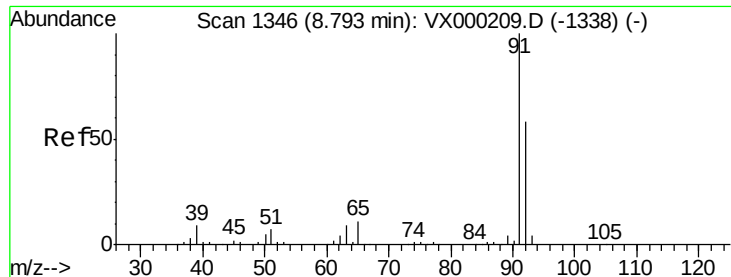
Tot Ion: 98 Resp: 322105
Ion Ratio Lower Upper
98 100
100 63.0 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 138.47 ug/l
RT: 8.67 min Scan# 1326
Delta R.T. 0.01 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

Tgt Ion: 43 Resp: 504231
Ion Ratio Lower Upper
43 100
58 40.8 30.2 45.2





#52

Toluene

Concen: 506.55 ug/l

RT: 8.80 min Scan# 1347

Delta R.T. 0.01 min

Lab File: VX000311.D

Acq: 13 Mar 2018 20:02

Instrument :

MSVOA_X

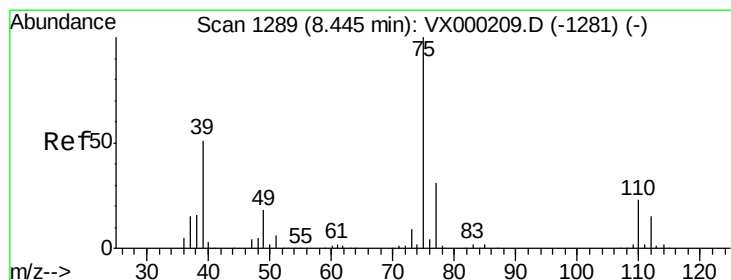
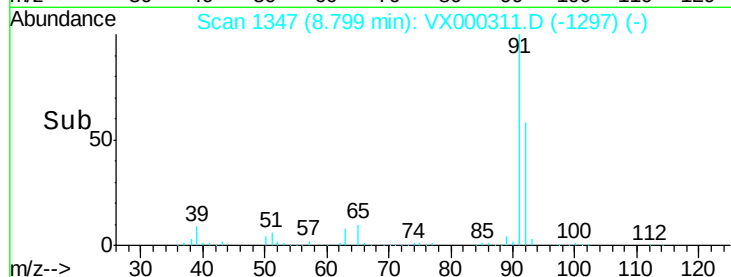
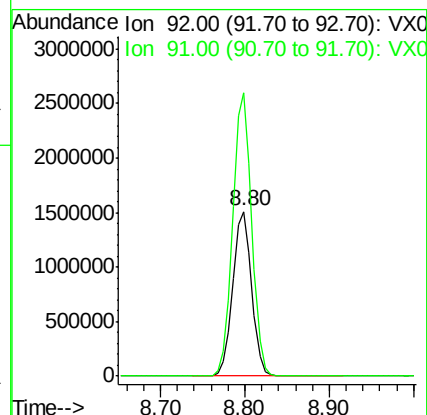
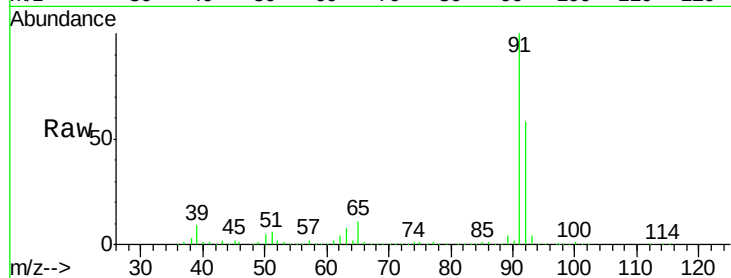
ClientSampled :
13118

Tot Ion: 92 Resp: 2311912

Ion Ratio Lower Upper

92 100

91 172.6 139.0 208.6



#53

t-1,3-Dichloropropene

Concen: 25.70 ug/l

RT: 8.42 min Scan# 1285

Delta R.T. -0.02 min

Lab File: VX000311.D

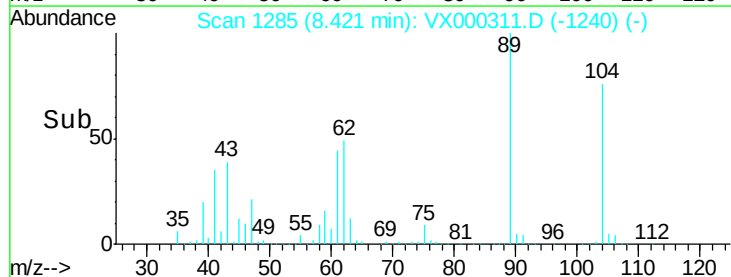
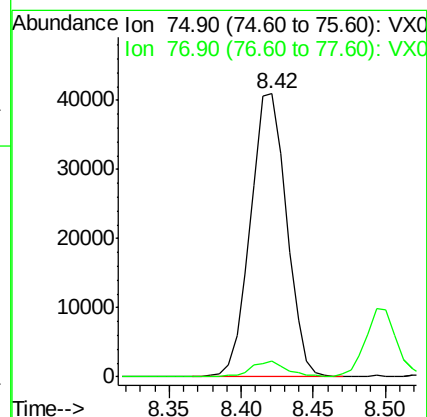
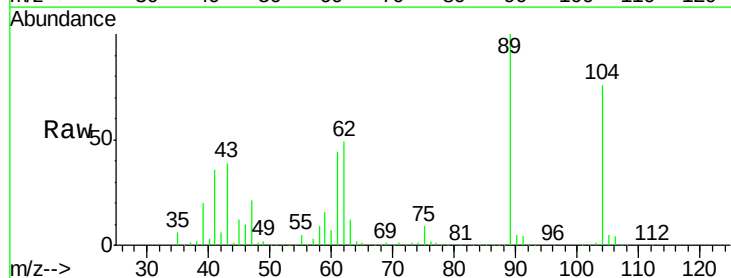
Acq: 13 Mar 2018 20:02

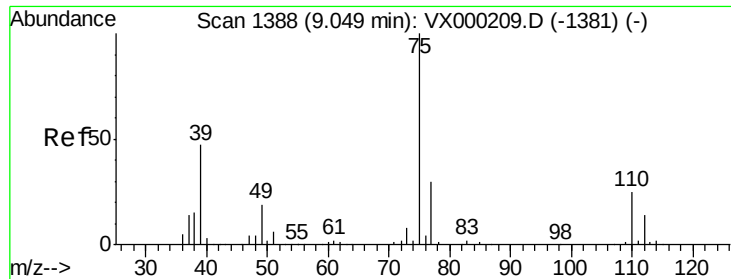
Tgt Ion: 75 Resp: 71077

Ion Ratio Lower Upper

75 100

77 5.5 24.8 37.2#





#54

cis-1,3-Dichloropropene

Concen: 6.32 ug/l

RT: 8.93 min Scan# 1369

Delta R.T. -0.12 min

Lab File: VX000311.D

Acq: 13 Mar 2018 20:02

Instrument :

MSVOA_X

ClientSampleId :
13118

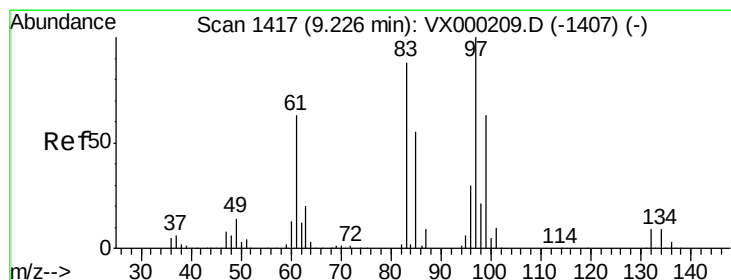
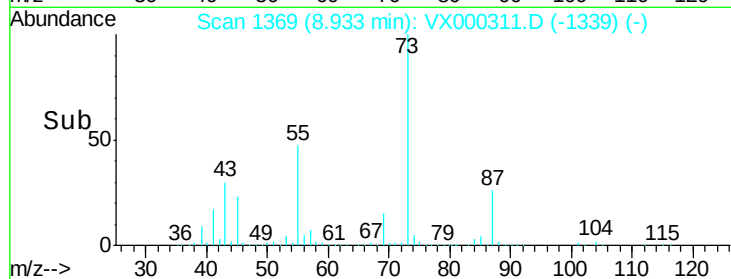
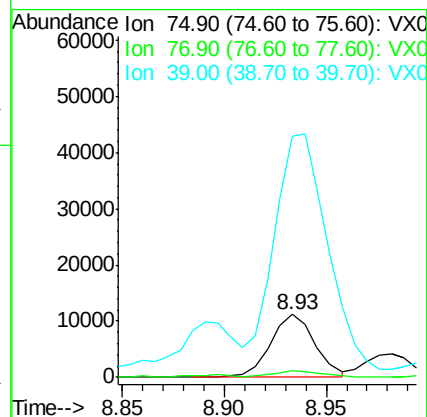
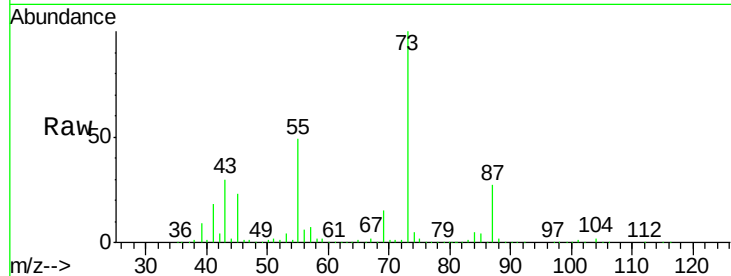
Tot Ion: 75 Resp: 16910

Ion Ratio Lower Upper

75 100

77 7.8 23.9 35.9#

39 310.5 37.4 56.2#



#55

1,1,2-Trichloroethane

Concen: 0.59 ug/l

RT: 9.20 min Scan# 1413

Delta R.T. -0.02 min

Lab File: VX000311.D

Acq: 13 Mar 2018 20:02

Tgt Ion: 97 Resp: 1091

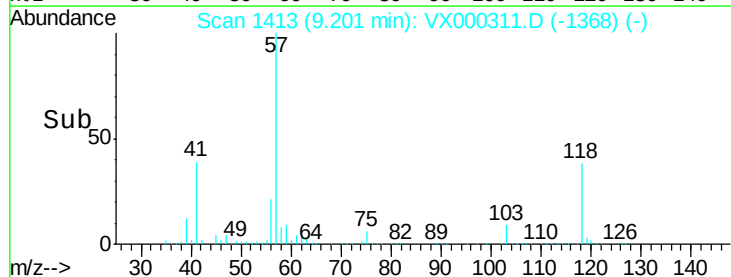
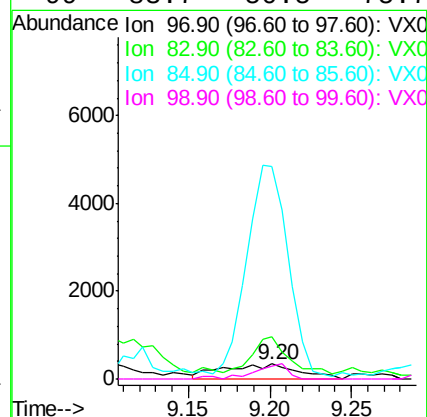
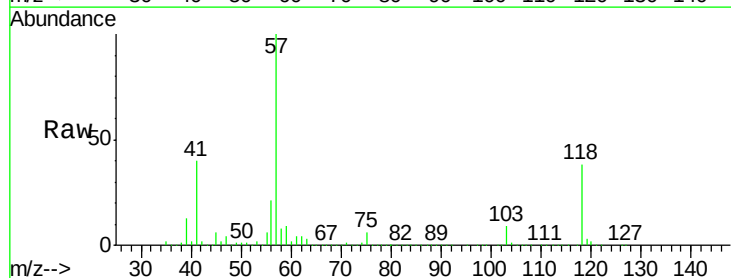
Ion Ratio Lower Upper

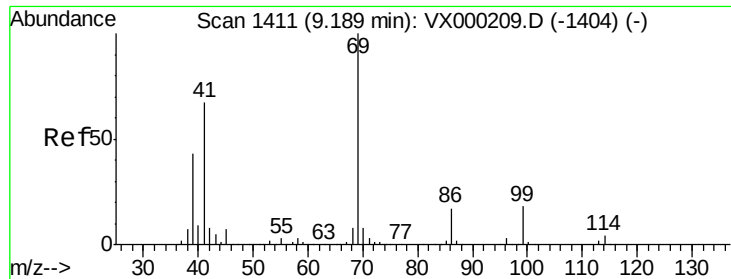
97 100

83 231.2 70.4 105.6#

85 1347.3 43.9 65.9#

99 83.7 50.5 75.7#

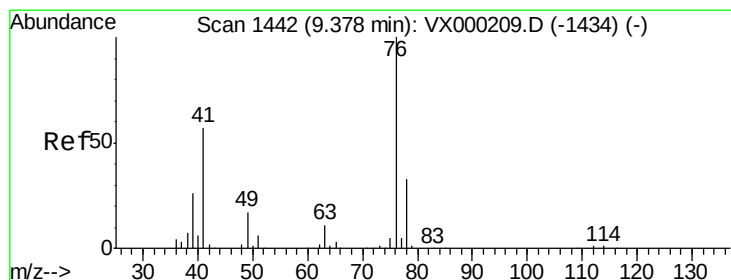
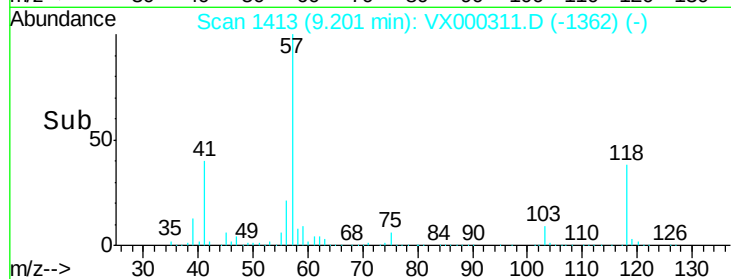
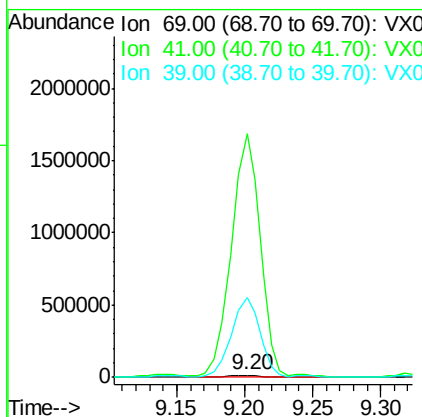
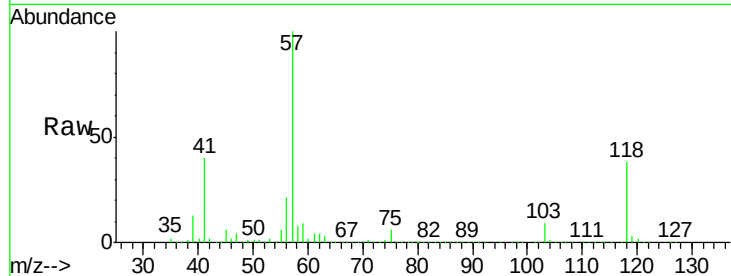




#56
Ethyl methacrylate
Concen: 9.52 ug/l
RT: 9.20 min Scan# 1413
Delta R.T. 0.01 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

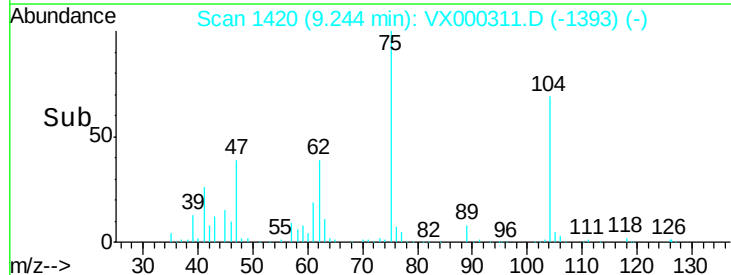
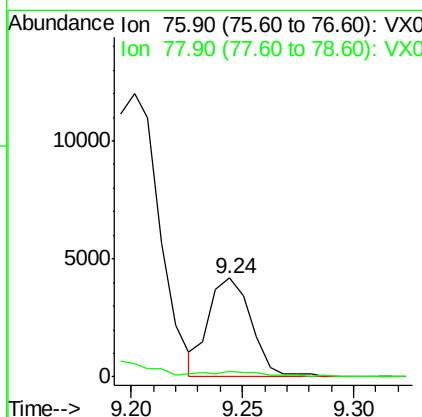
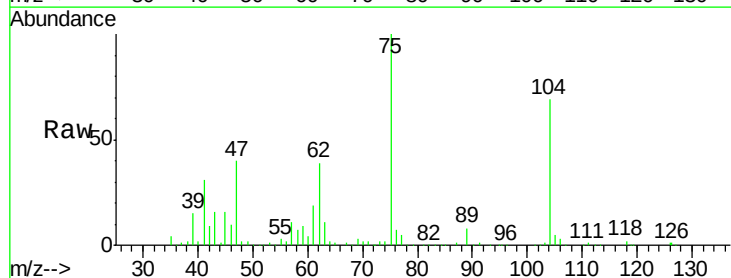
Instrument :
MSVOA_X
ClientSampleId :
13118

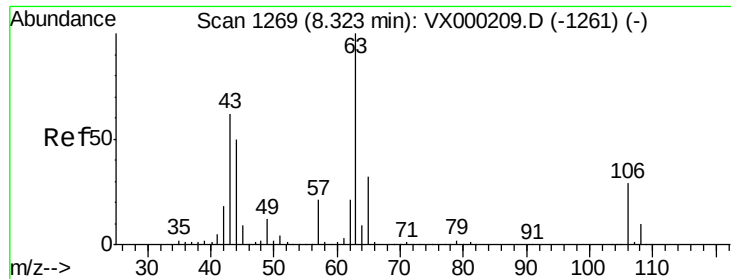
Tot Ion: 69 Resp: 26333
Ion Ratio Lower Upper
69 100
41 9536.3 52.2 78.2#
39 3110.9 34.3 51.5#



#57
1,3-Dichloropropane
Concen: 1.81 ug/l
RT: 9.24 min Scan# 1420
Delta R.T. -0.13 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

Tgt Ion: 76 Resp: 5632
Ion Ratio Lower Upper
76 100
78 7.5 26.2 39.2#

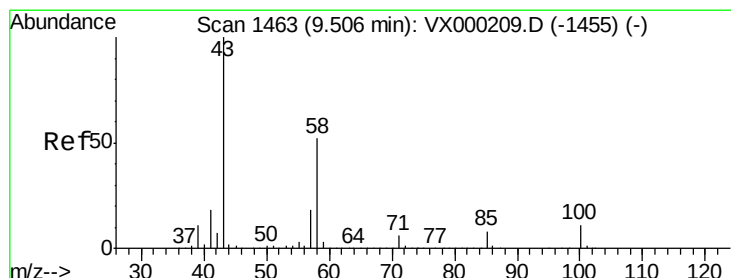
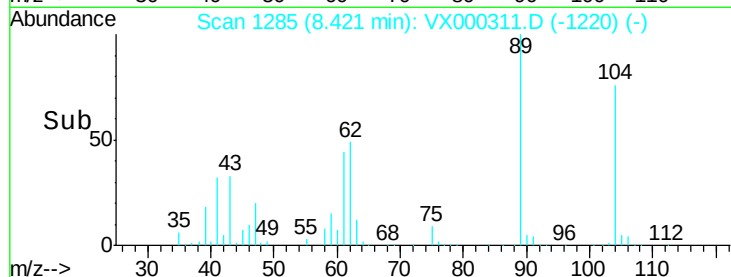
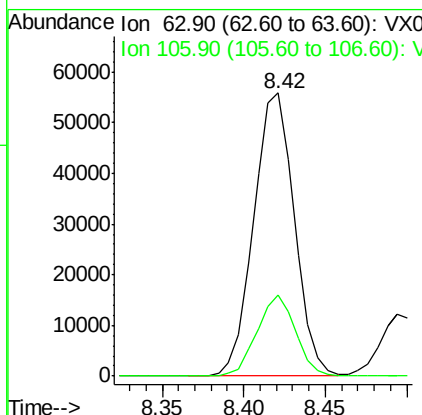
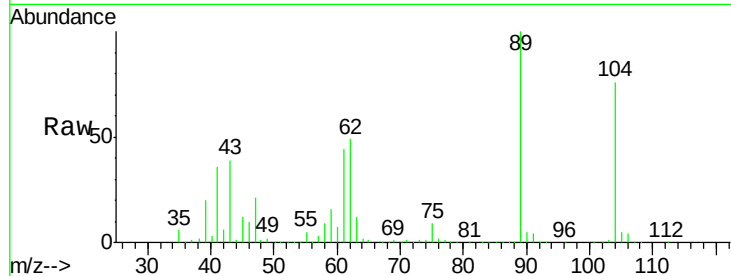




#58
 2-Chloroethyl Vinyl ether
 Concen: 69.49 ug/l
 RT: 8.42 min Scan# 1285
 Delta R.T. 0.10 min
 Lab File: VX000311.D
 Acq: 13 Mar 2018 20:02

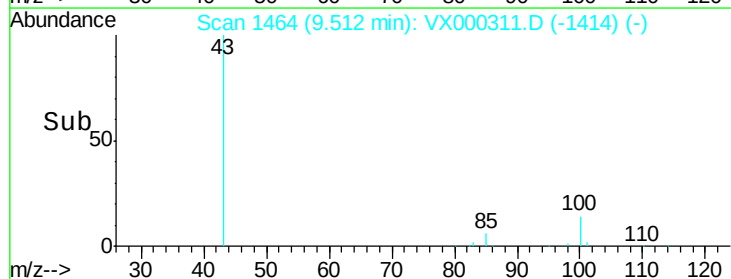
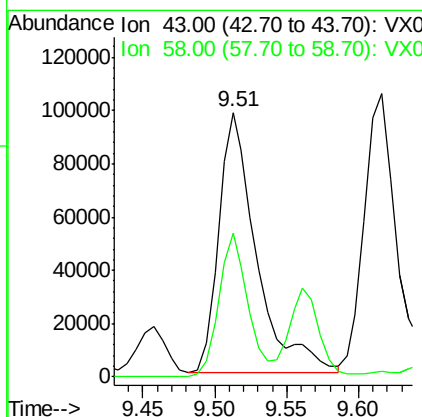
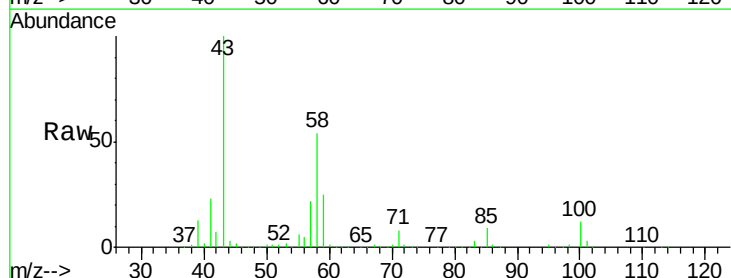
Instrument :
 MSVOA_X
 ClientSampled :
 13118

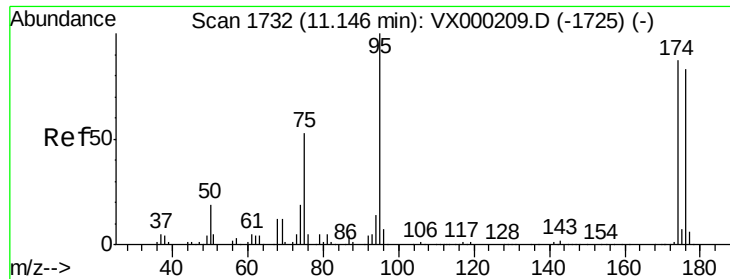
Tot Ion: 63 Resp: 97051
 Ion Ratio Lower Upper
 63 100
 106 27.1 23.2 34.8



#59
 2-Hexanone
 Concen: 57.82 ug/l
 RT: 9.51 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VX000311.D
 Acq: 13 Mar 2018 20:02

Tgt Ion: 43 Resp: 179537
 Ion Ratio Lower Upper
 43 100
 58 41.9 26.6 79.7





#62

4-Bromofluorobenzene

Concen: 48.71 ug/l

RT: 11.15 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VX000311.D

Acq: 13 Mar 2018 20:02

Instrument :

MSVOA_X

ClientSampleId :

13118

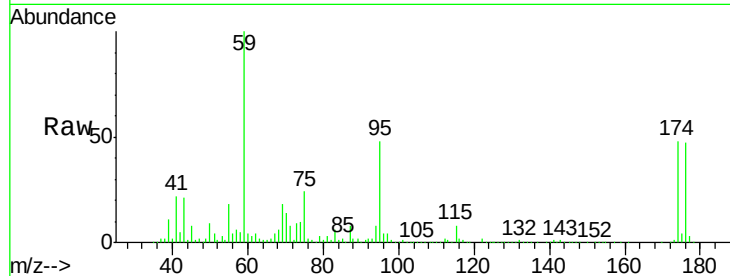
Tot Ion: 95 Resp: 128347

Ion Ratio Lower Upper

95 100

174 95.0 0.0 175.6

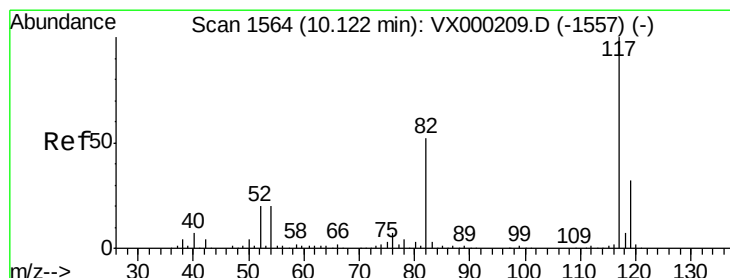
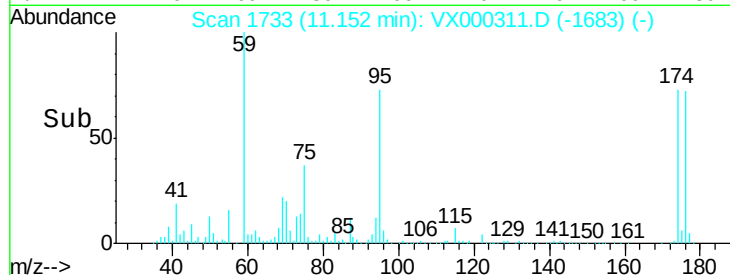
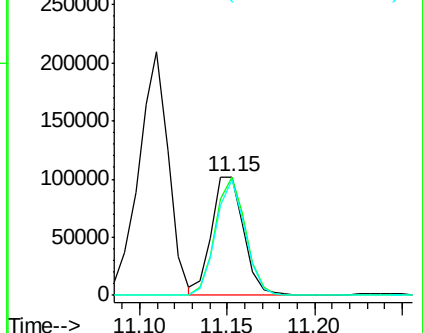
176 90.9 0.0 171.0



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: VX000311.D

Acq: 13 Mar 2018 20:02

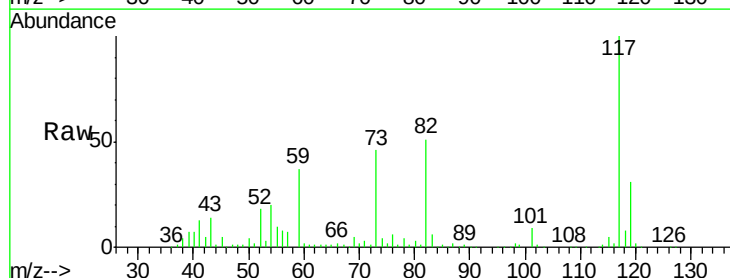
Tgt Ion: 117 Resp: 278329

Ion Ratio Lower Upper

117 100

82 50.9 42.0 63.0

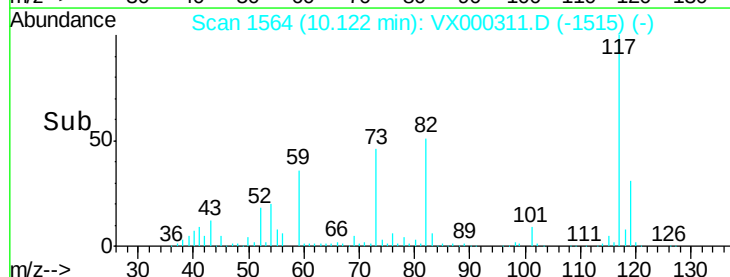
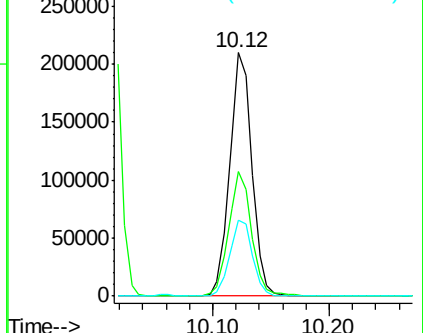
119 31.4 25.3 37.9

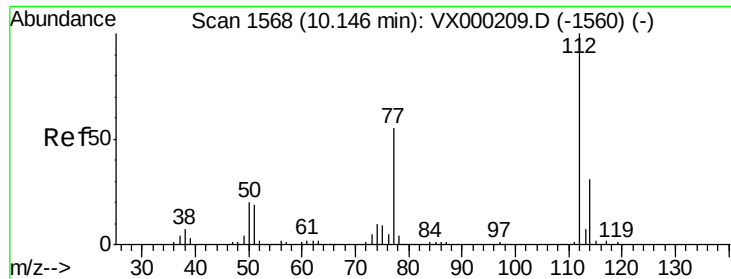


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

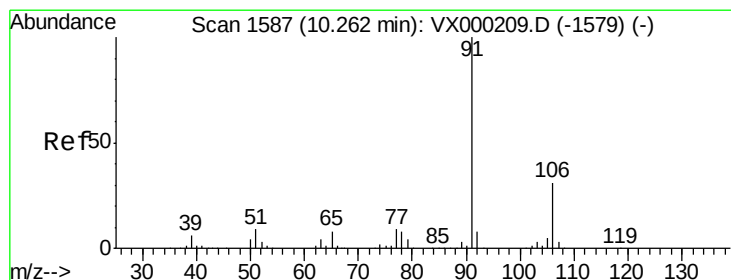
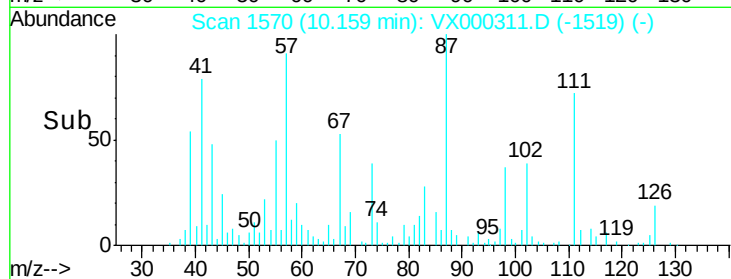
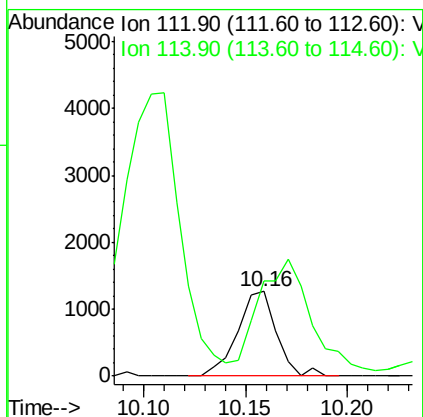
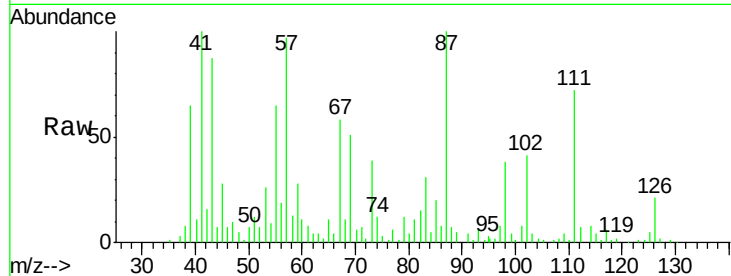




#65
Chlorobenzene
Concen: 0.30 ug/l
RT: 10.16 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

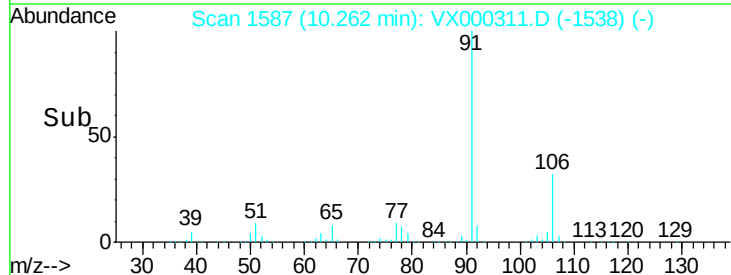
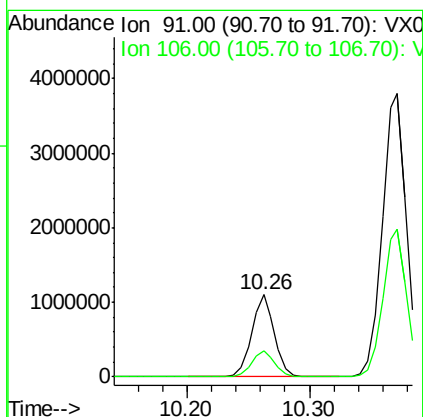
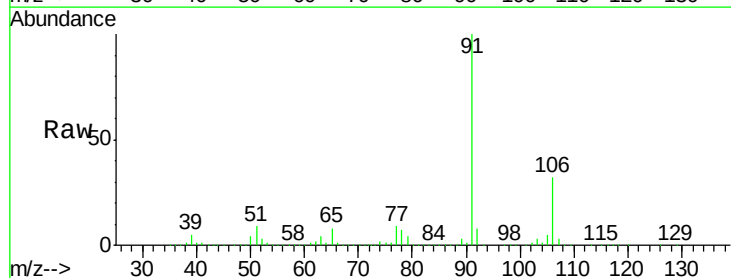
Instrument :
MSVOA_X
ClientSampleId :
13118

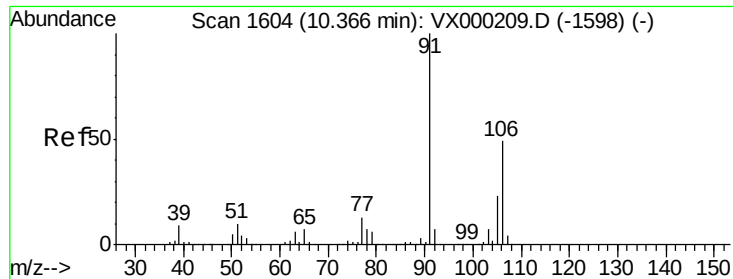
Tot Ion:112 Resp: 1688
Ion Ratio Lower Upper
112 100
114 83.1 25.0 37.4#



#67
Ethyl Benzene
Concen: 143.02 ug/l
RT: 10.26 min Scan# 1587
Delta R.T. 0.00 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

Tgt Ion: 91 Resp: 1403039
Ion Ratio Lower Upper
91 100
106 32.2 25.2 37.8

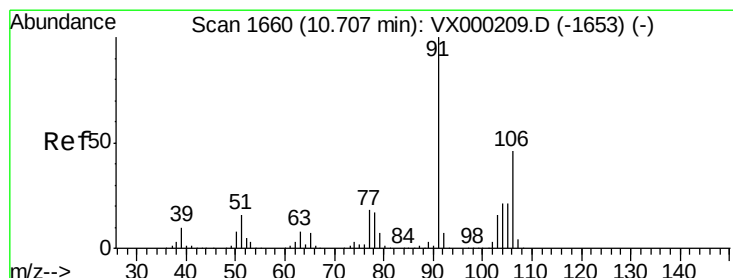
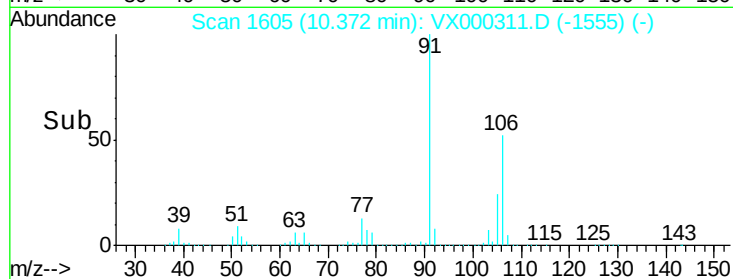
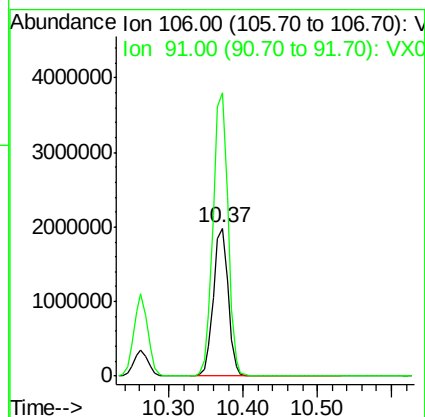
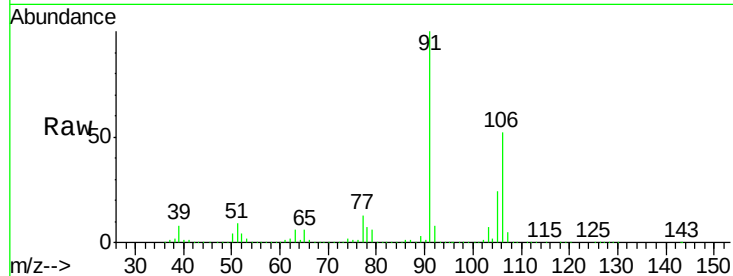




#68
m/p-Xylenes
Concen: 711.67 ug/l
RT: 10.37 min Scan# 1605
Delta R.T. 0.01 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

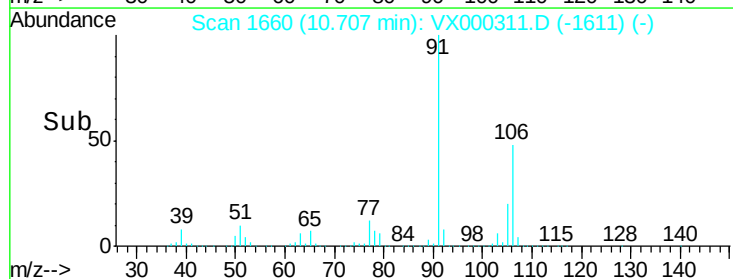
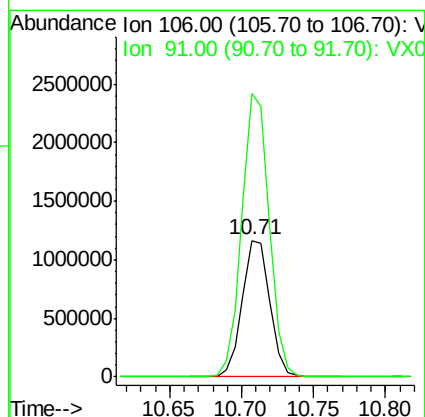
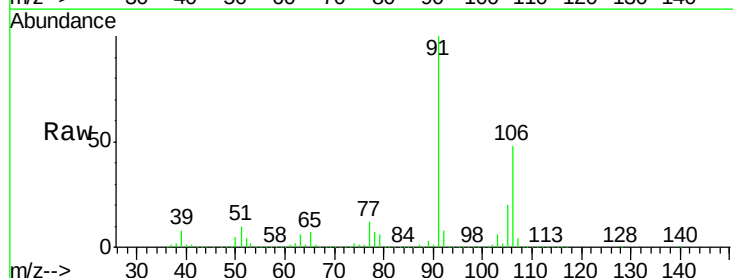
Instrument :
MSVOA_X
ClientSampled :
13118

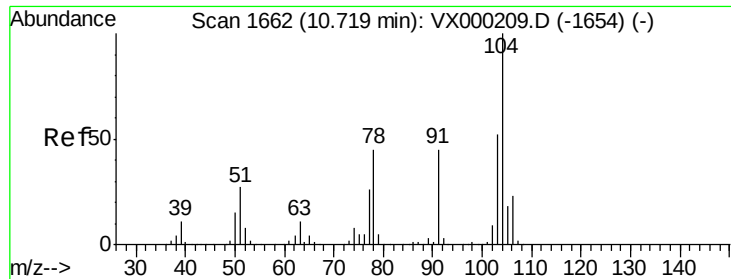
Tot Ion:106 Resp: 2686967
Ion Ratio Lower Upper
106 100
91 194.2 160.9 241.3



#69
o-Xylene
Concen: 427.55 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

Tgt Ion:106 Resp: 1551497
Ion Ratio Lower Upper
106 100
91 206.5 105.9 317.7

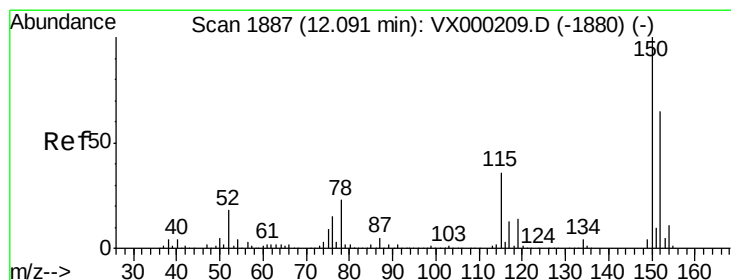
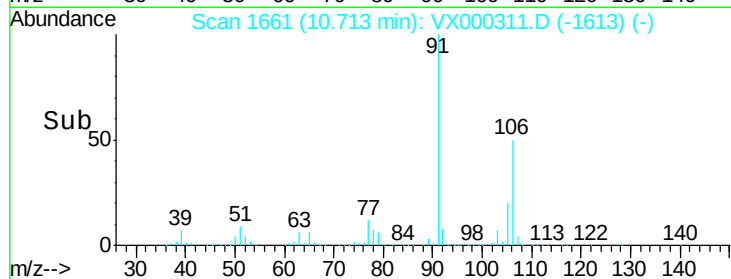
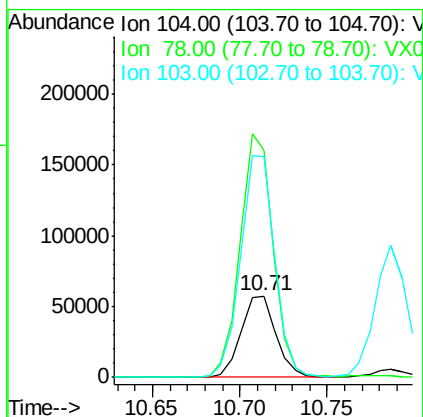
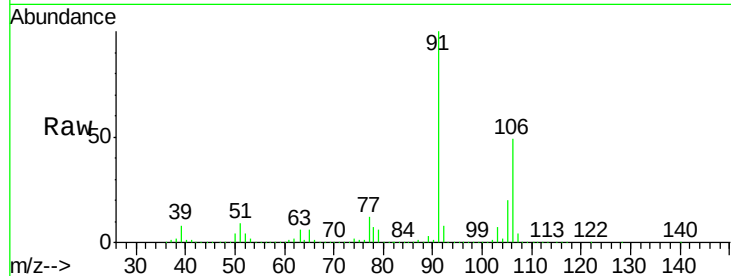




#70
Stvrene
Concen: 13.31 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

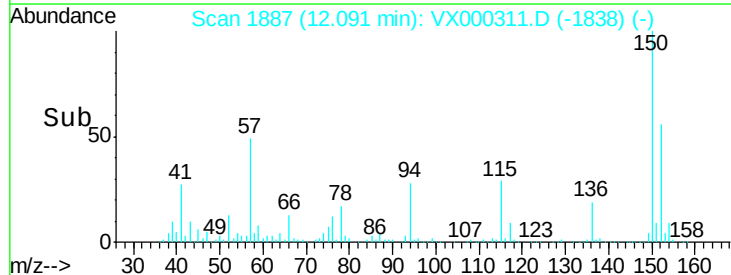
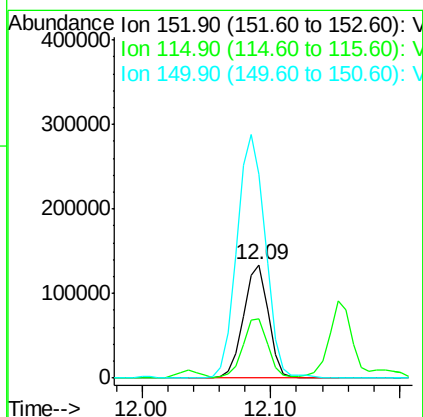
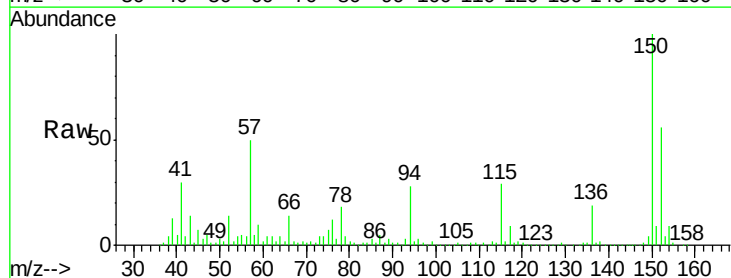
Instrument :
MSVOA_X
ClientSampleId :
13118

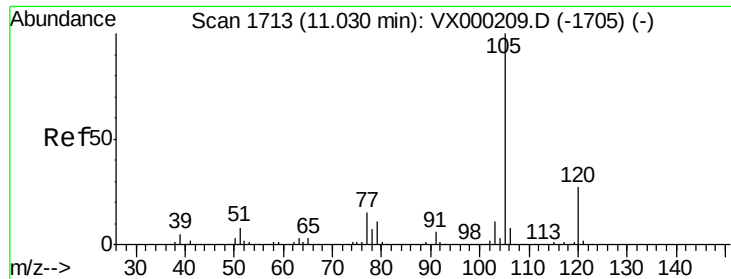
Tot Ion:104 Resp: 80131
Ion Ratio Lower Upper
104 100
78 281.4 39.6 59.4#
103 264.5 45.0 67.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

Tgt Ion:152 Resp: 176985
Ion Ratio Lower Upper
152 100
115 51.0 39.8 119.3
150 248.3 0.0 345.0

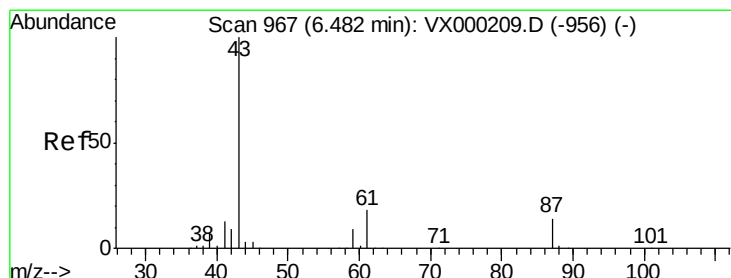
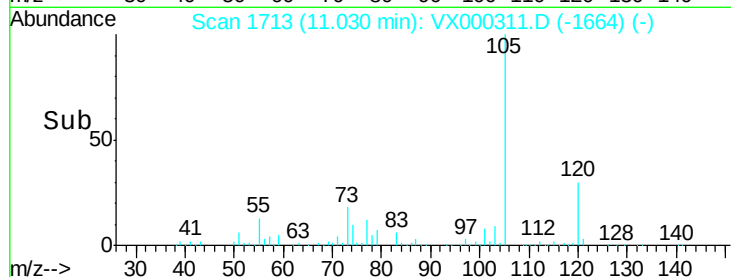
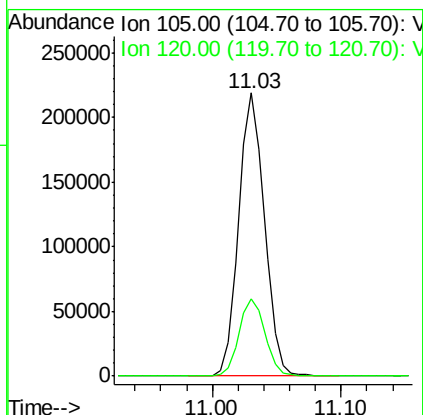
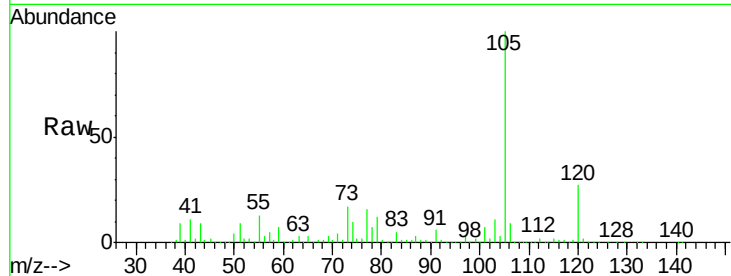




#73
Isopropylbenzene
Concen: 27.49 ug/l
RT: 11.03 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

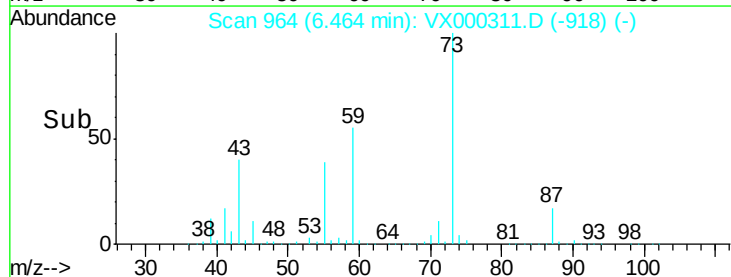
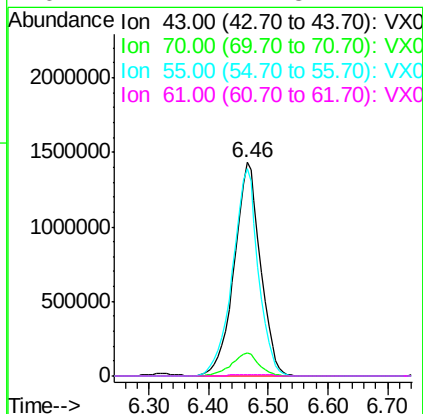
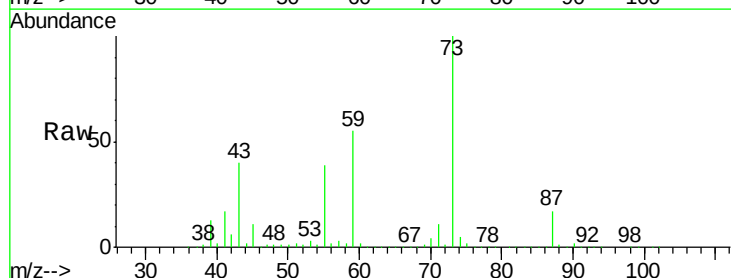
Instrument :
MSVOA_X
ClientSampled :
13118

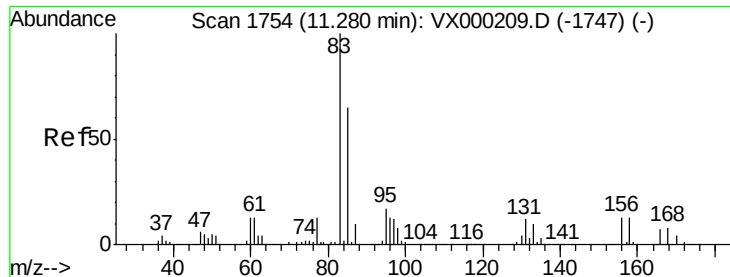
Tot Ion:105 Resp: 304593
Ion Ratio Lower Upper
105 100
120 27.7 13.5 40.4



#74
N-ethyl acetate
Concen: 769.79 ug/l
RT: 6.46 min Scan# 964
Delta R.T. -0.02 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

Tgt Ion: 43 Resp: 4364173
Ion Ratio Lower Upper
43 100
70 11.3 0.0 0.0#
55 95.4 0.0 0.0#
61 1.1 14.8 22.2#





#75

1,1,2,2-Tetrachloroethane

Concen: 9.02 ug/l

RT: 11.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VX000311.D

Acq: 13 Mar 2018 20:02

Instrument :

MSVOA_X

ClientSampled :
13118

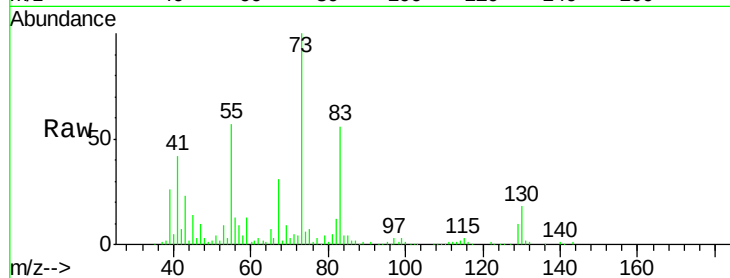
Tot Ion: 83 Resp: 35040

Ion Ratio Lower Upper

83 100

131 3.8 5.5 16.5#

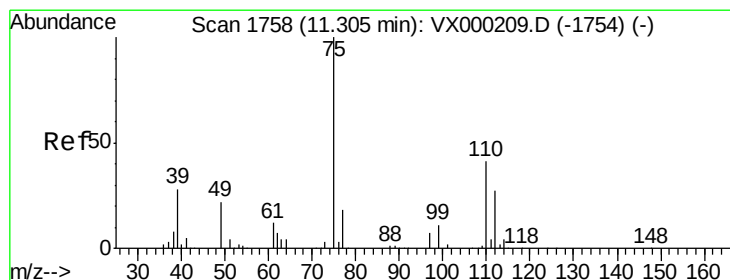
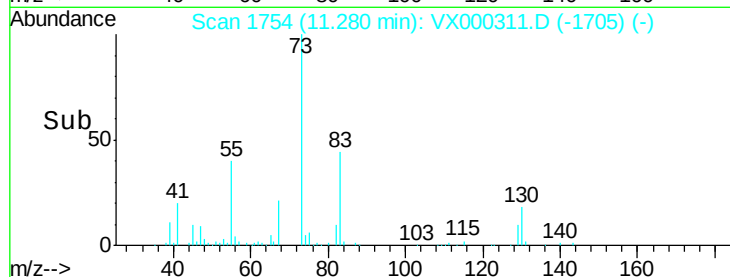
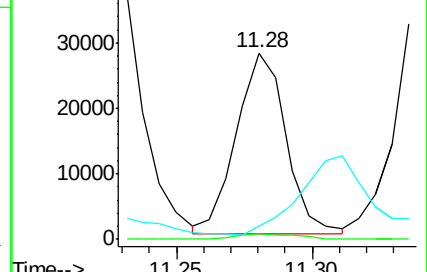
85 0.0 32.5 97.4#



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: 22.31 ug/l

RT: 11.11 min Scan# 1726

Delta R.T. -0.19 min

Lab File: VX000311.D

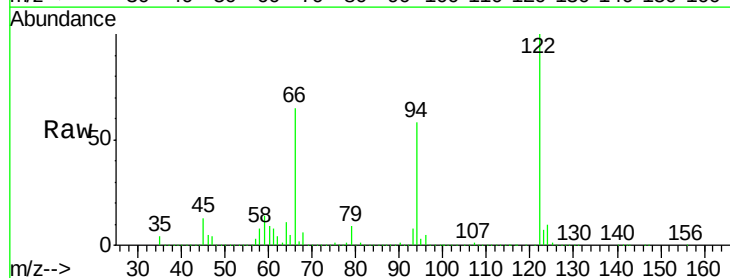
Acq: 13 Mar 2018 20:02

Tgt Ion: 75 Resp: 79150

Ion Ratio Lower Upper

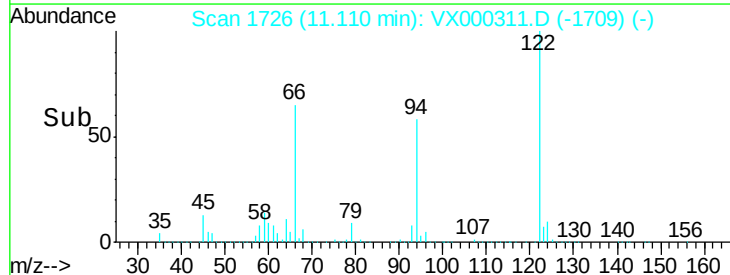
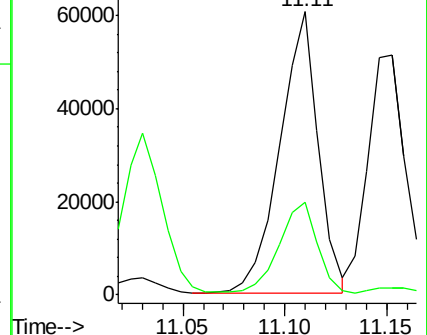
75 100

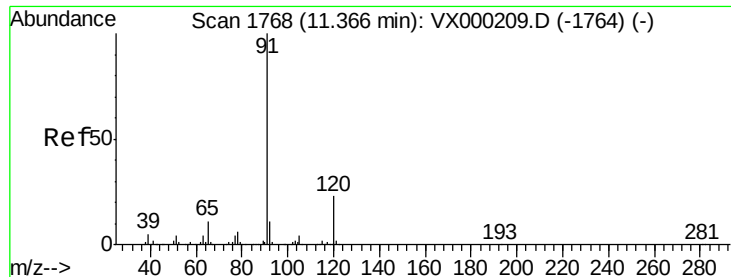
77 31.9 22.3 66.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 46.23 ug/l

RT: 11.37 min Scan# 1769

Delta R.T. 0.01 min

Lab File: VX000311.D

Acq: 13 Mar 2018 20:02

Instrument :

MSVOA_X

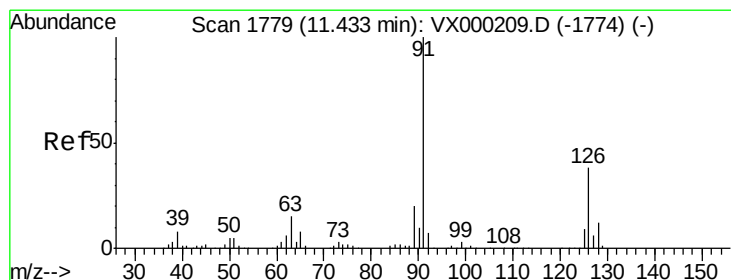
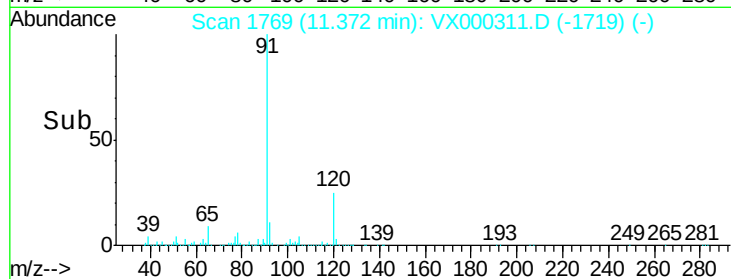
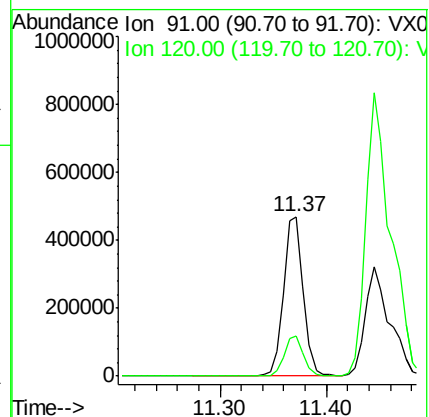
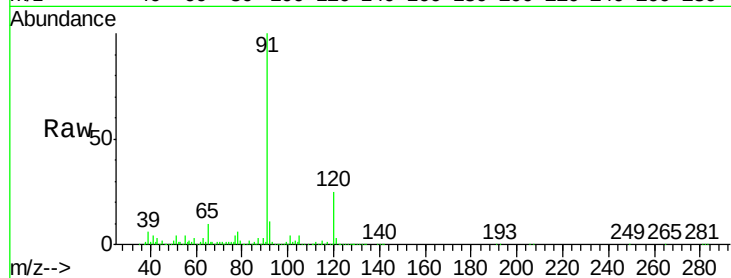
ClientSampled :
13118

Tot Ion: 91 Resp: 602879

Ion Ratio Lower Upper

91 100

120 24.4 12.2 36.4



#79

2-Chlorotoluene

Concen: 70.48 ug/l

RT: 11.45 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VX000311.D

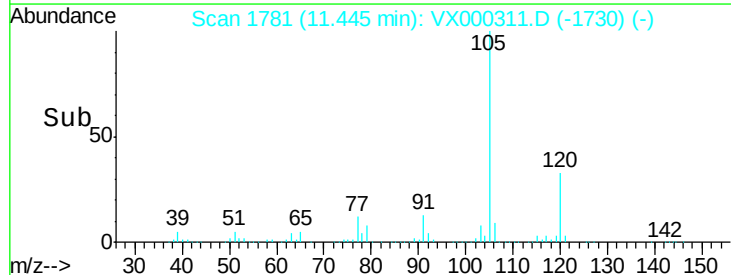
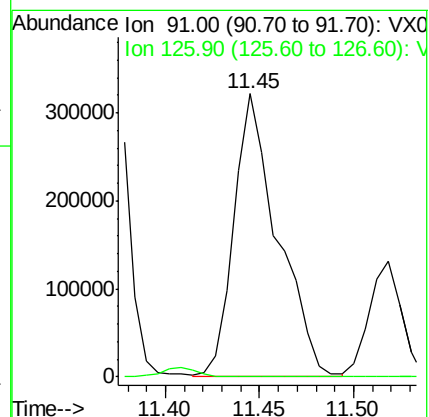
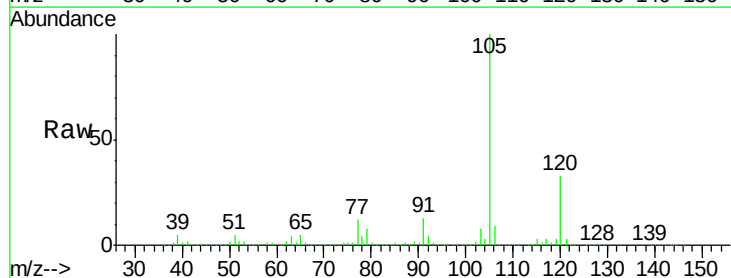
Acq: 13 Mar 2018 20:02

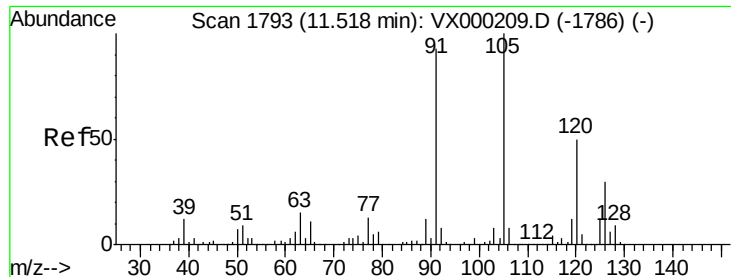
Tgt Ion: 91 Resp: 518497

Ion Ratio Lower Upper

91 100

126 0.0 18.4 55.2#

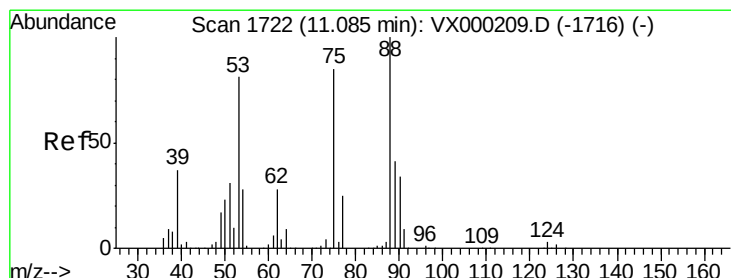
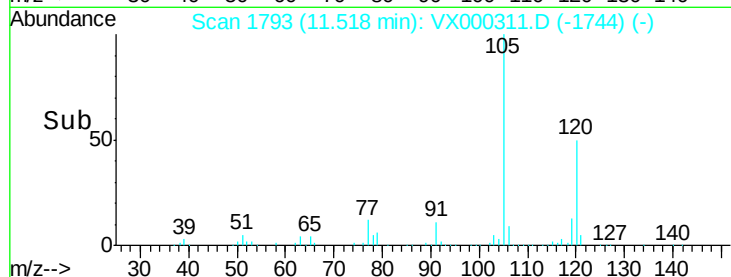
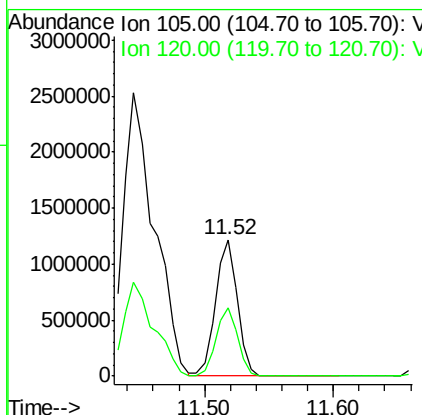
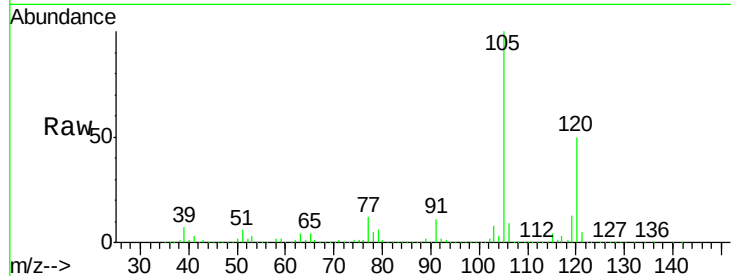




#80
 1,3,5-Trimethylbenzene
 Concen: 157.95 ug/l
 RT: 11.52 min Scan# 1793
 Delta R.T. 0.00 min
 Lab File: VX000311.D
 Acq: 13 Mar 2018 20:02

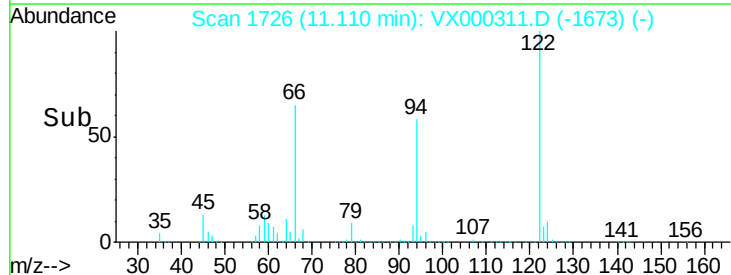
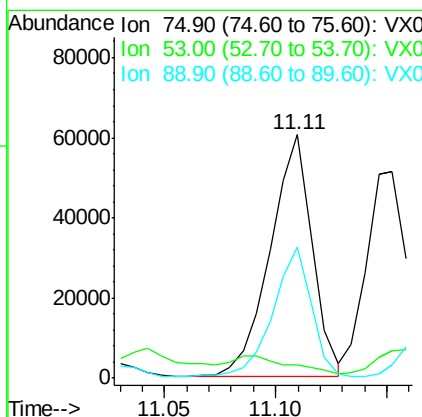
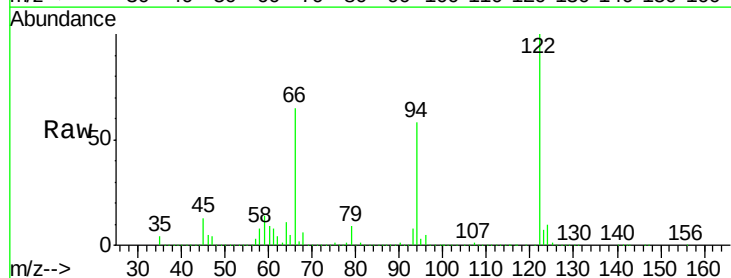
Instrument :
 MSVOA_X
 ClientSampled :
 13118

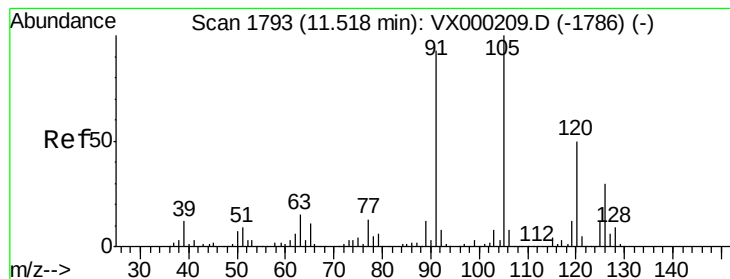
Tot Ion:105 Resp: 1461240
 Ion Ratio Lower Upper
 105 100
 120 50.1 24.9 74.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.29 ug/l
 RT: 11.11 min Scan# 1726
 Delta R.T. 0.02 min
 Lab File: VX000311.D
 Acq: 13 Mar 2018 20:02

Tgt Ion: 75 Resp: 79115
 Ion Ratio Lower Upper
 75 100
 53 9.7 78.6 118.0#
 89 49.0 38.8 58.2





#82

4-Chlorotoluene

Concen: 17.49 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX000311.D

Acq: 13 Mar 2018 20:02

Instrument :

MSVOA_X

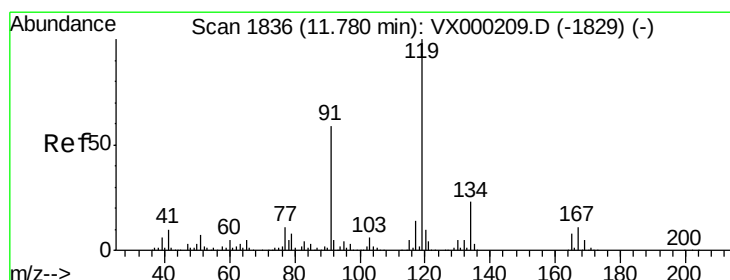
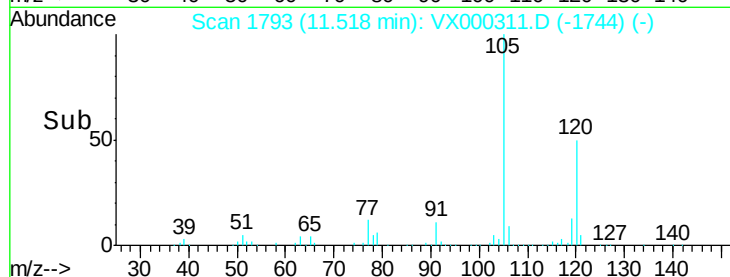
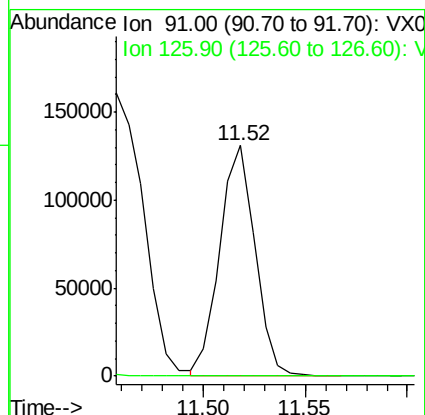
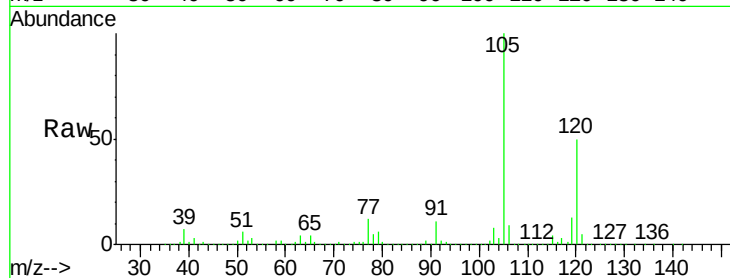
ClientSampleId :
13118

Tot Ion: 91 Resp: 156435

Ion Ratio Lower Upper

91 100

126 0.0 16.0 48.0#



#83

tert-Butylbenzene

Concen: 103.80 ug/l

RT: 11.82 min Scan# 1843

Delta R.T. 0.04 min

Lab File: VX000311.D

Acq: 13 Mar 2018 20:02

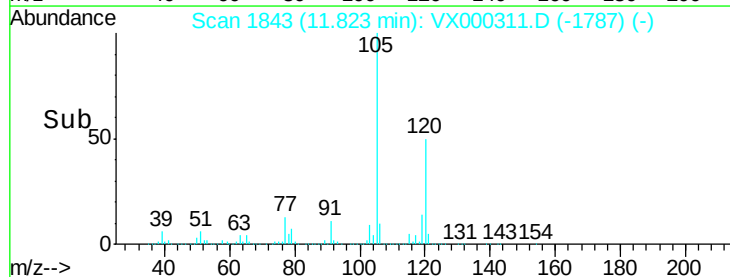
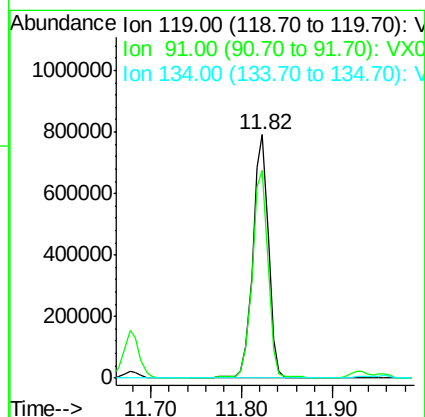
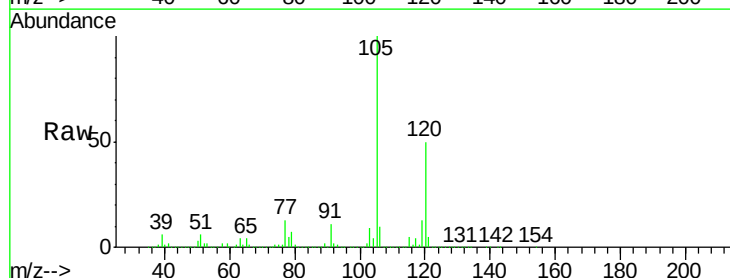
Tgt Ion: 119 Resp: 934420

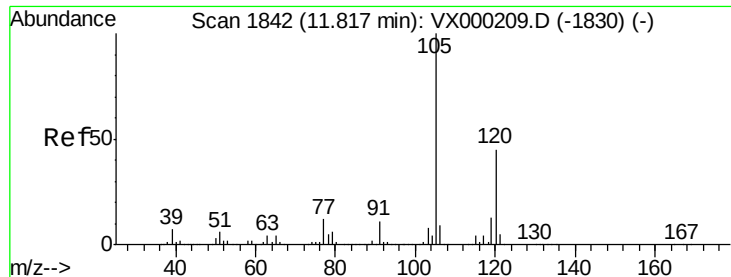
Ion Ratio Lower Upper

119 100

91 87.4 28.9 86.7#

134 0.0 11.5 34.4#





#84

1,2,4-Trimethylbenzene

Concen: 752.83 ug/l

RT: 11.82 min Scan# 1843

Delta R.T. 0.01 min

Lab File: VX000311.D

Acq: 13 Mar 2018 20:02

Instrument :

MSVOA_X

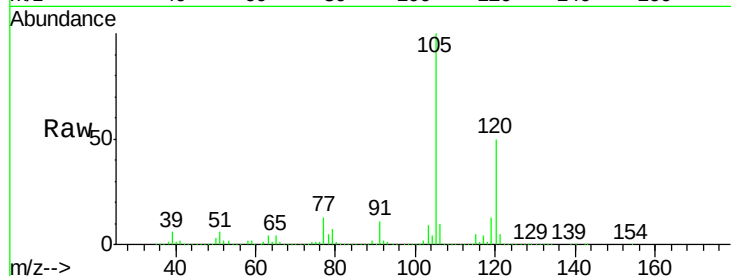
ClientSampleId :
13118

Tot Ion:105 Resp: 7162203

Ion Ratio Lower Upper

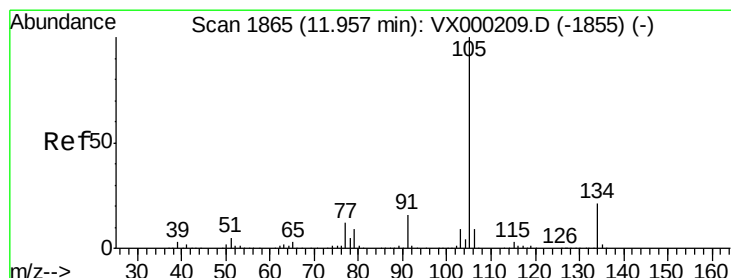
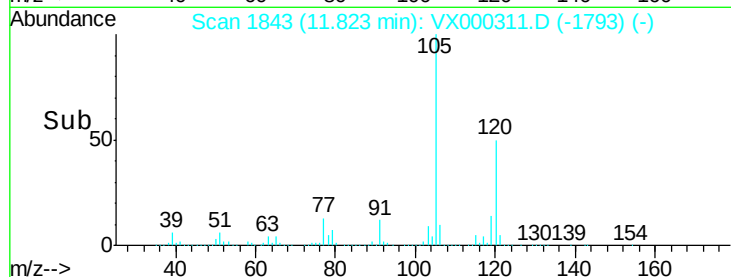
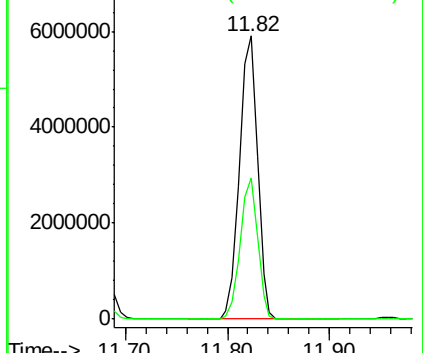
105 100

120 48.3 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: 628.99 ug/l

RT: 11.82 min Scan# 1843

Delta R.T. -0.13 min

Lab File: VX000311.D

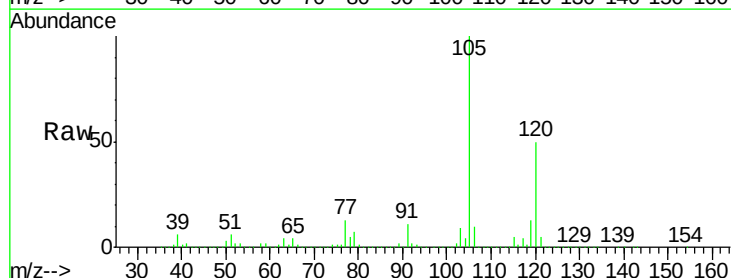
Acq: 13 Mar 2018 20:02

Tgt Ion:105 Resp: 7162203

Ion Ratio Lower Upper

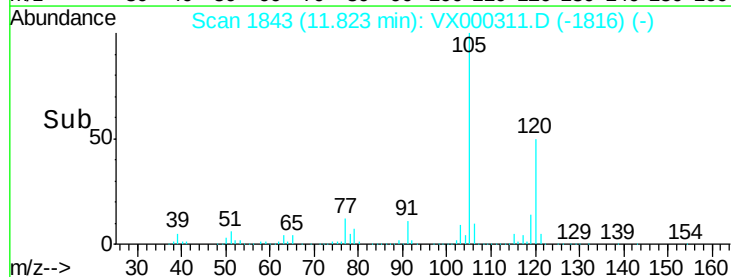
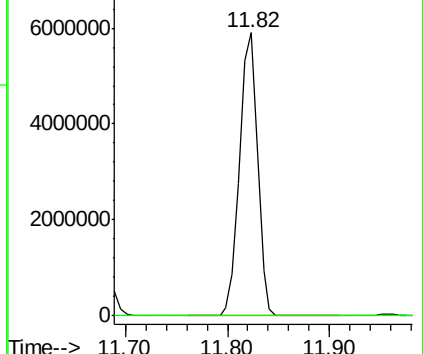
105 100

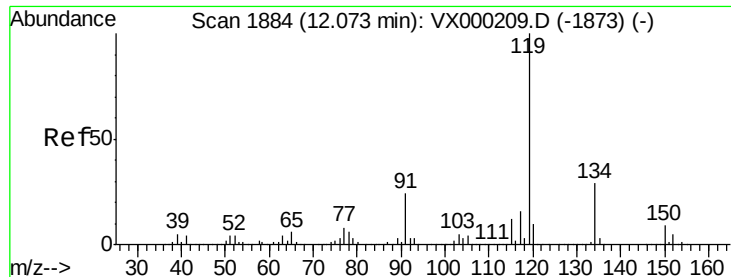
134 0.0 10.3 30.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

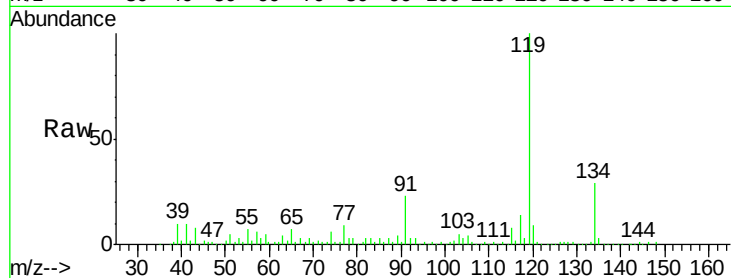




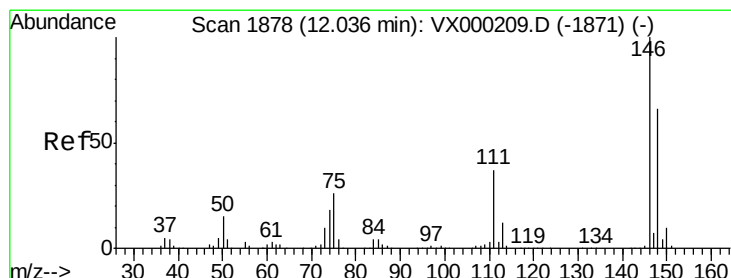
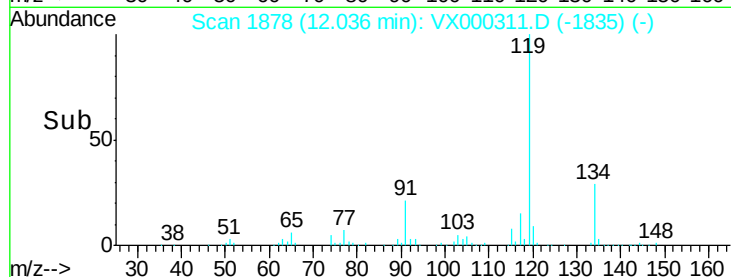
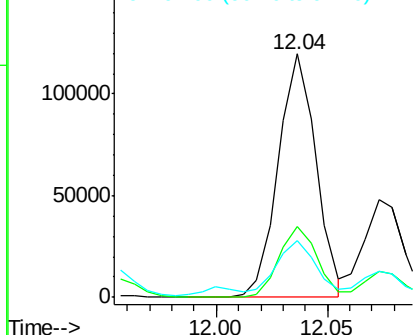
#86
p-Isopropyltoluene
Concen: 13.92 ug/l
RT: 12.04 min Scan# 1878
Delta R.T. -0.04 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

Instrument :
MSVOA_X
ClientSampleId :
13118

Tot Ion:119 Resp: 139743
Ion Ratio Lower Upper
119 100
134 30.3 13.8 41.3
91 20.4 12.0 36.0

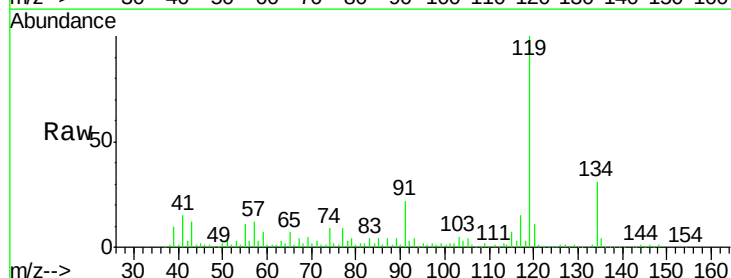


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

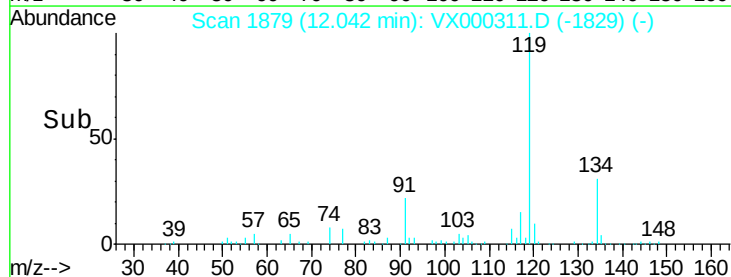
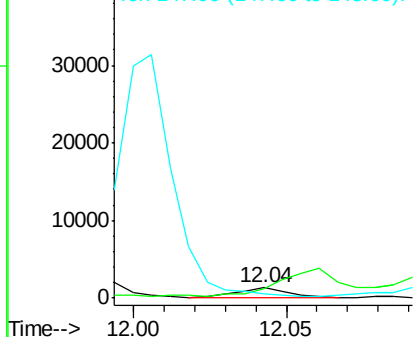


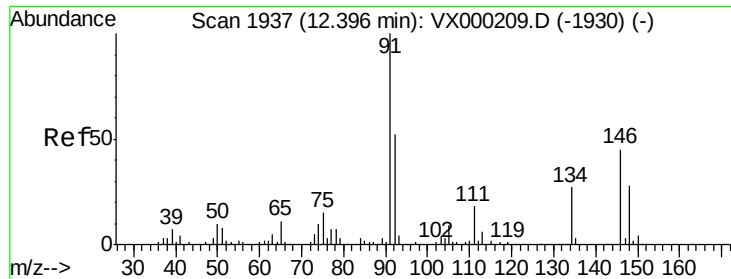
#87
1,3-Dichlorobenzene
Concen: 0.30 ug/l
RT: 12.04 min Scan# 1879
Delta R.T. 0.01 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

Tgt Ion:146 Resp: 1653
Ion Ratio Lower Upper
146 100
111 0.0 19.0 57.0#
148 0.0 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

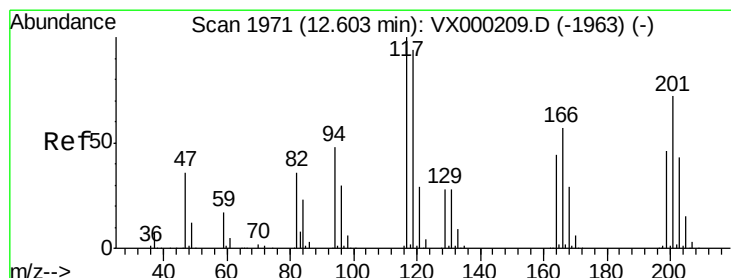
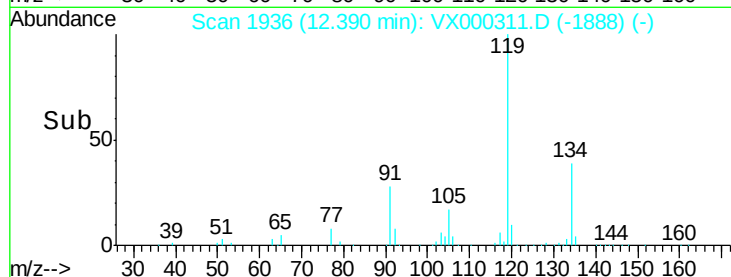
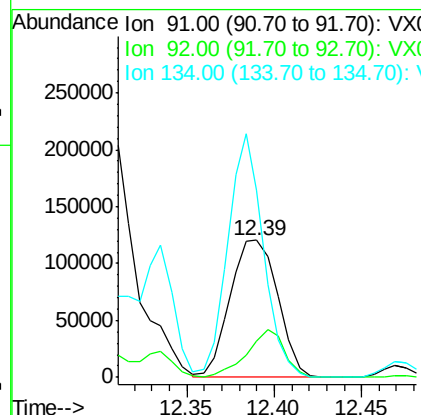
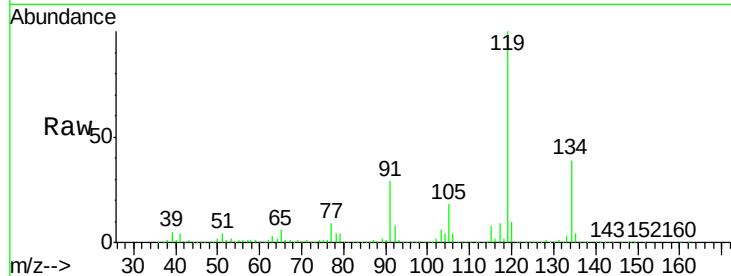




#89
n-Butylbenzene
Concen: 23.40 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.01 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

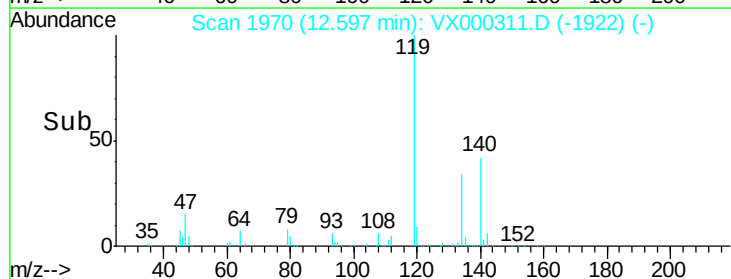
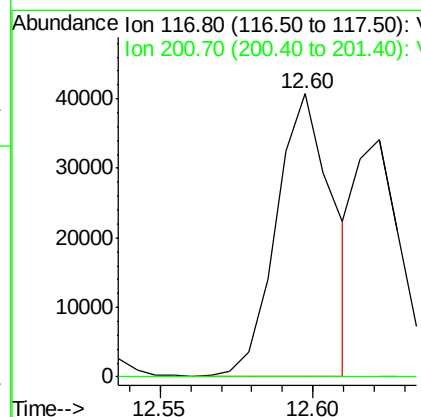
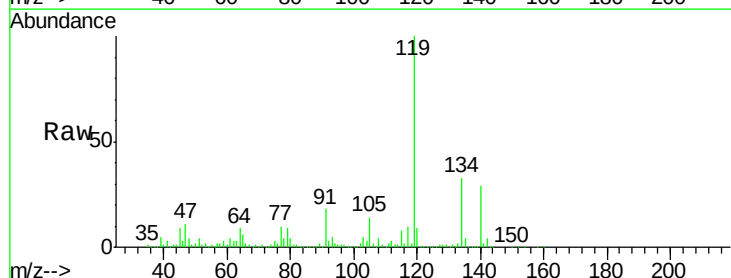
Instrument :
MSVOA_X
ClientSampled :
13118

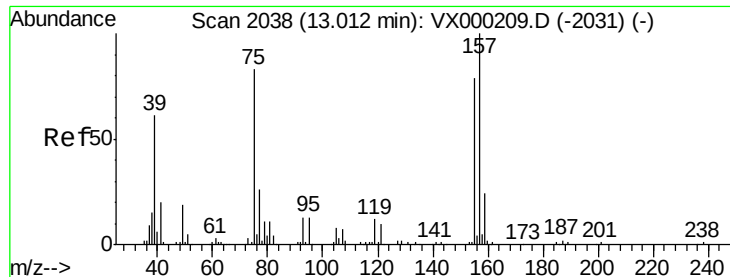
Tot Ion: 91 Resp: 226294
Ion Ratio Lower Upper
91 100
92 27.9 25.8 77.4
134 132.7 13.5 40.5#



#90
Hexachloroethane
Concen: 32.17 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.01 min
Lab File: VX000311.D
Acq: 13 Mar 2018 20:02

Tgt Ion: 117 Resp: 52045
Ion Ratio Lower Upper
117 100
201 0.0 38.2 114.6#

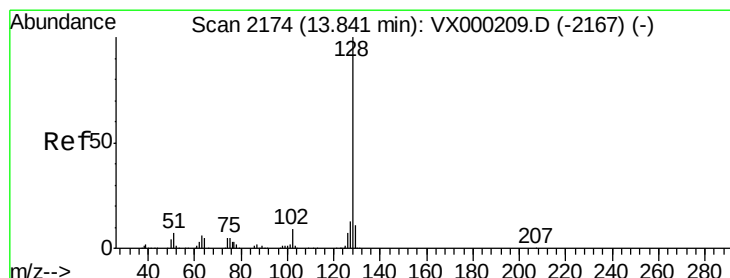
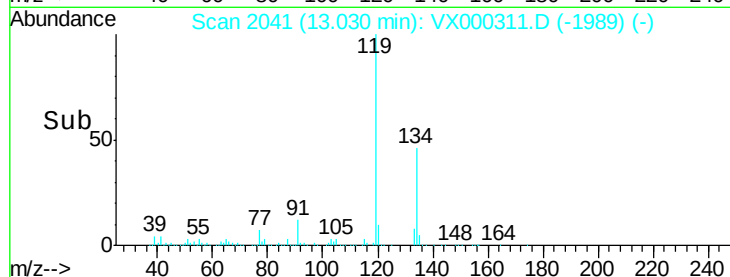
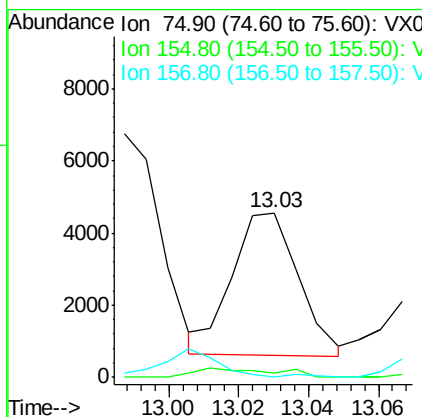
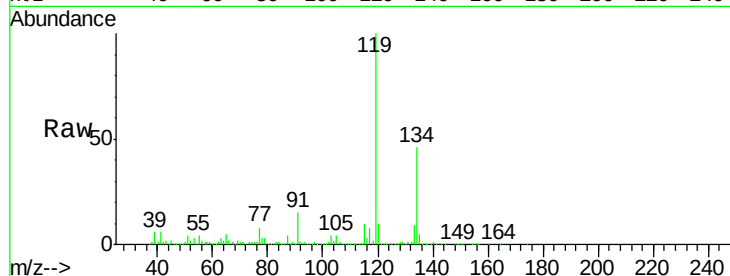




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.77 ug/l
 RT: 13.03 min Scan# 2041
 Delta R.T. 0.02 min
 Lab File: VX000311.D
 Acq: 13 Mar 2018 20:02

Instrument :
 MSVOA_X
 ClientSampled :
 13118

Tot Ion: 75 Resp: 5204
 Ion Ratio Lower Upper
 75 100
 155 0.0 45.5 136.5#
 157 0.9 58.6 175.8#



#95
 Naphthalene
 Concen: 308.99 ug/l
 RT: 13.85 min Scan# 2175
 Delta R.T. 0.01 min
 Lab File: VX000311.D
 Acq: 13 Mar 2018 20:02

Tgt Ion: 128 Resp: 4229974
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.5 15.7
 129 11.1 8.6 13.0

