

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081718\
 Data File : VX004137.D
 Acq On : 17 Aug 2018 17:29
 Operator : JC/MD
 Sample : J4522-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 18 01:34:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	262525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	400048	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	370576	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	216006	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	180923	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
35) Dibromofluoromethane	5.51	113	154110	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
50) Toluene-d8	8.72	98	599249	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
62) 4-Bromofluorobenzene	11.14	95	218156	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	5938	1.89	ug/l	100
5) Bromomethane	1.65	94	1090	0.46	ug/l	99
6) Chloroethane	1.98	64	304	Below Cal	#	42
10) Methyl Iodide	2.52	142	353	5.11	ug/l	# 69
11) Tert butyl alcohol	3.04	59	154679	207.66	ug/l	# 73
13) Acrolein	2.27	56	3722	17.99	ug/l	# 1
14) Allyl chloride	2.84	41	254155	48.37	ug/l	# 67
15) Acrylonitrile	3.17	53	20817	11.21	ug/l	# 39
16) Acetone	2.40	43	89607	46.59	ug/l	# 52
18) Methyl Acetate	2.85	43	635006	148.59	ug/l	# 52
19) Methyl tert-butyl Ether	3.20	73	233240	23.97	ug/l	# 1
20) Methylene Chloride	2.84	84	5599	1.19	ug/l	# 1
22) Diisopropyl ether	3.87	45	17138	1.66	ug/l	90
23) Vinyl Acetate	3.87	43	11371	1.34	ug/l	# 71
25) 2-Butanone	4.70	43	4241	1.36	ug/l	98
29) Tetrahydrofuran	5.22	42	1838	1.15	ug/l	# 1
30) Chloroform	5.28	83	9313	1.64	ug/l	# 40
31) Cyclohexane	5.57	56	93017	18.19	ug/l	96
36) 1,1-Dichloropropene	5.67	75	17687	3.89	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	23150	5.23	ug/l	# 15
39) Methylcyclohexane	7.46	83	42122	8.16	ug/l	# 72
40) Benzene	6.15	78	1538077	112.52	ug/l	100
41) Methacrylonitrile	5.06	41	1722	0.62	ug/l	# 23
42) 1,2-Dichloroethane	6.14	62	12756	2.67	ug/l	# 73
43) Isopropyl Acetate	6.45	43	5764	0.79	ug/l	# 64
46) Dibromomethane	7.63	93	1036	0.45	ug/l	# 1
47) Bromodichloromethane	7.84	83	1932	0.45	ug/l	# 95
48) Methyl methacrylate	7.73	41	4835	1.31	ug/l	# 45
51) 4-Methyl-2-Pentanone	8.67	43	2540	0.42	ug/l	# 79
52) Toluene	8.79	92	43146	4.99	ug/l	99
55) 1,1,2-Trichloroethane	9.17	97	20296	5.69	ug/l	# 19
56) Ethyl methacrylate	9.17	69	5193	1.07	ug/l	# 7
59) 2-Hexanone	9.52	43	5165	1.15	ug/l	89
67) Ethyl Benzene	10.25	91	801269	52.86	ug/l	98

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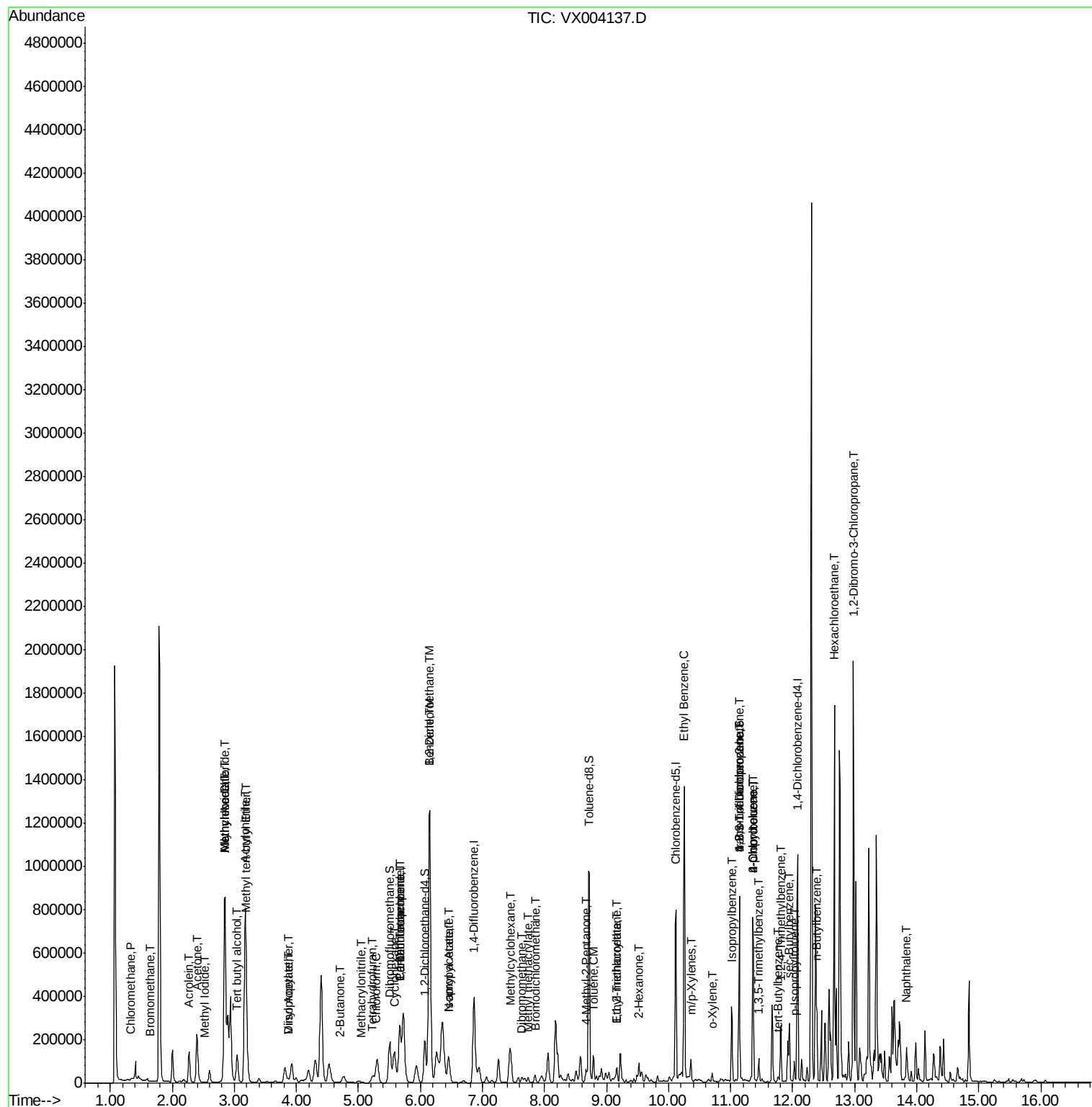
68) m/p-Xylenes	10.36	106	23076	3.89	ug/l	95
69) o-Xylene	10.70	106	7786	1.37	ug/l	88
73) Isopropylbenzene	11.02	105	164678	11.27	ug/l	95
74) N-amyl acetate	6.45	43	5764	0.84	ug/l #	58
76) 1,2,3-Trichloropropane	11.14	75	102101	23.57	ug/l #	35
78) n-propylbenzene	11.36	91	442330	27.04	ug/l	99
79) 2-Chlorotoluene	11.36	91	442330	44.37	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.46	105	55972	4.68	ug/l	70
81) trans-1,4-Dichloro-2-buten	11.14	75	102101	72.96	ug/l #	10
82) 4-Chlorotoluene	11.36	91	442330	37.54	ug/l #	44
83) tert-Butylbenzene	11.77	119	6666	0.55	ug/l	85
84) 1,2,4-Trimethylbenzene	11.81	105	114047	9.20	ug/l	98
85) sec-Butylbenzene	11.95	105	137594	9.74	ug/l	99
86) p-Isopropyltoluene	12.02	119	41007	3.21	ug/l	97
89) n-Butylbenzene	12.39	91	180810	17.94	ug/l #	56
90) Hexachloroethane	12.67	117	68452	35.78	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	12.98	75	5993	6.68	ug/l #	1
95) Naphthalene	13.83	128	95691	7.34	ug/l #	95

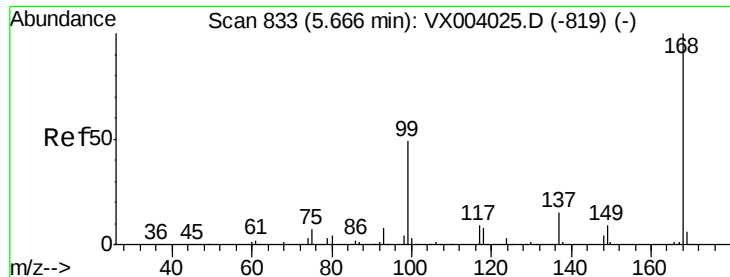
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX004137.D

Acq: 17 Aug 2018 17:29

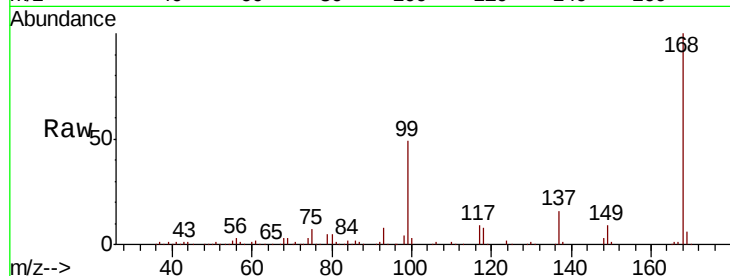
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 262525

Ion Ratio Lower Upper

168 100

99 49.4 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

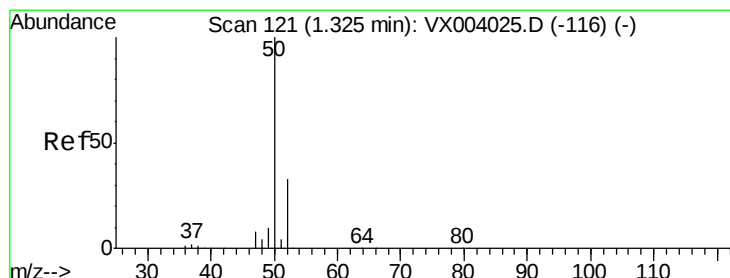
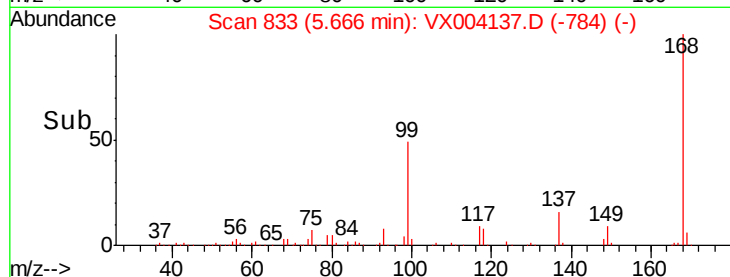
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 1.89 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004137.D

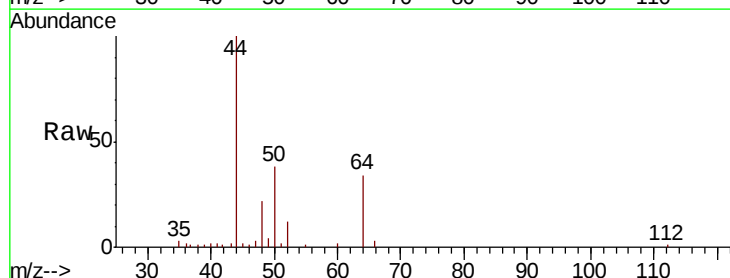
Acq: 17 Aug 2018 17:29

Tgt Ion: 50 Resp: 5938

Ion Ratio Lower Upper

50 100

52 33.3 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

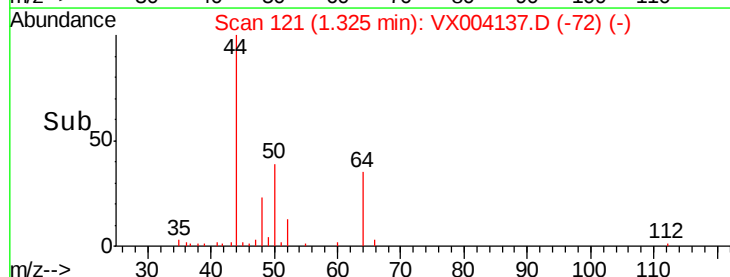
3000

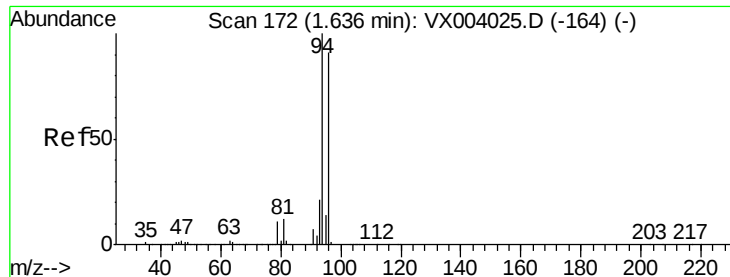
2000

1000

0

Time--> 1.25 1.30 1.35 1.40





#5

Bromomethane

Concen: 0.46 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX004137.D

Acq: 17 Aug 2018 17:29

Instrument :

MSVOA_X

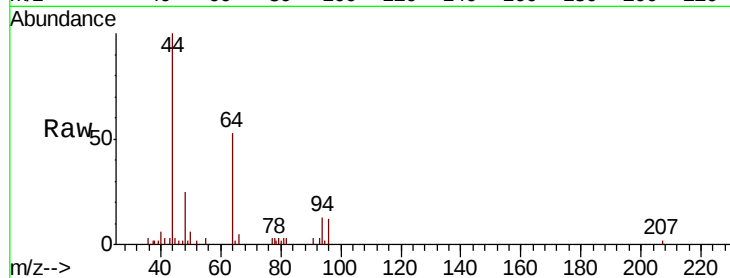
ClientSampled :

Tot Ion: 94 Resp: 1090

Ion Ratio Lower Upper

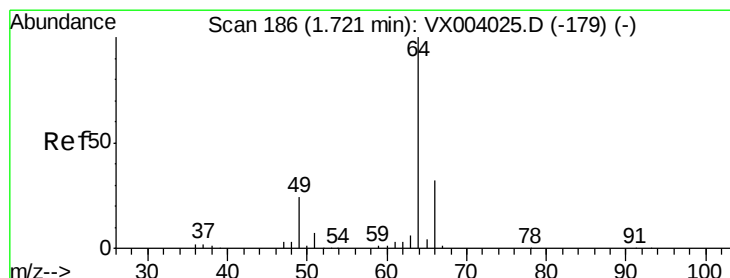
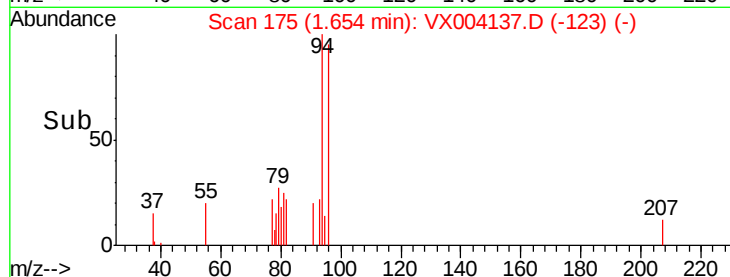
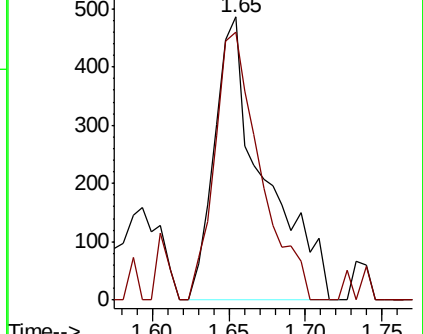
94 100

96 94.9 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.98 min Scan# 228

Delta R.T. 0.26 min

Lab File: VX004137.D

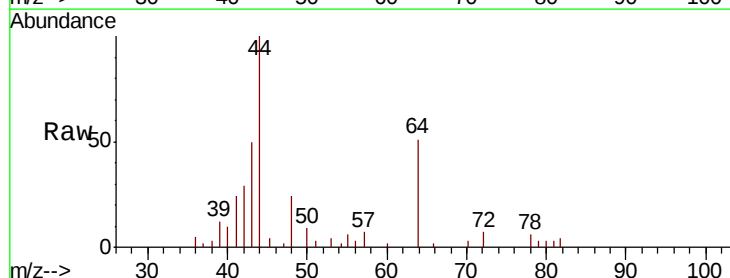
Acq: 17 Aug 2018 17:29

Tgt Ion: 64 Resp: 304

Ion Ratio Lower Upper

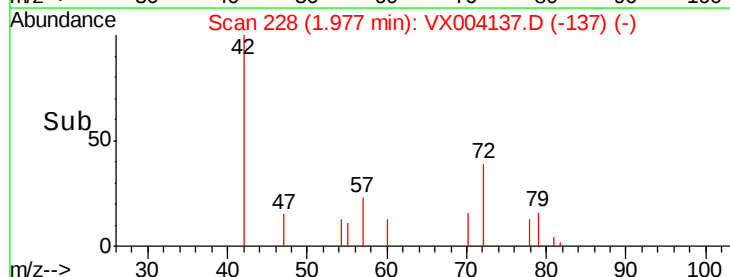
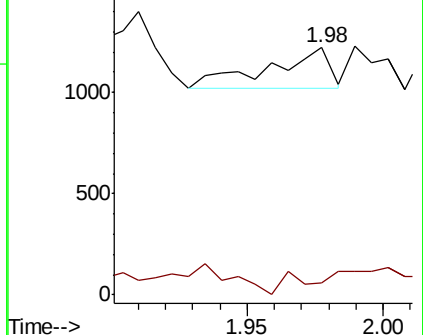
64 100

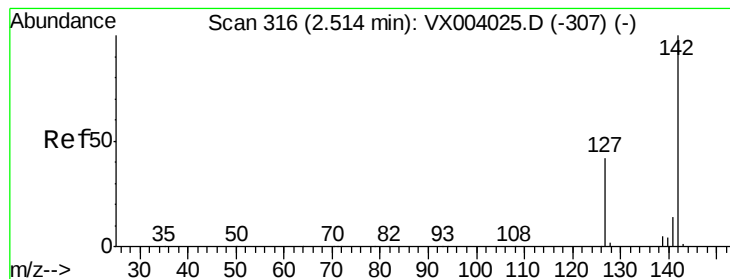
66 0.0 26.5 39.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#10

Methyl Iodide

Concen: 5.11 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX004137.D

Acq: 17 Aug 2018 17:29

Instrument :
MSVOA_X
ClientSampled :

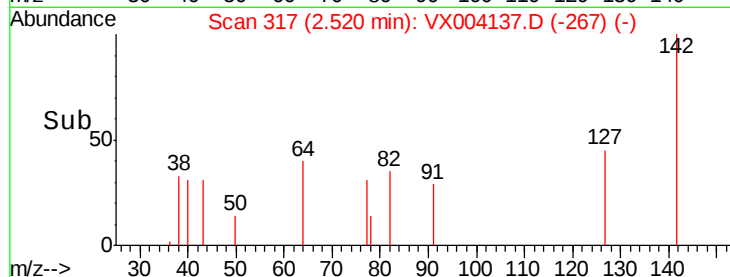
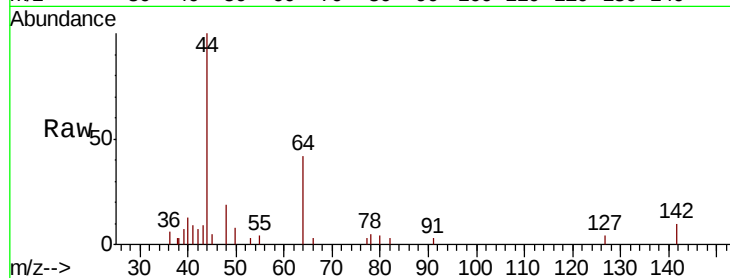
Tot Ion:142 Resp: 353

Ion Ratio Lower Upper

142 100

127 22.9 33.1 49.7#

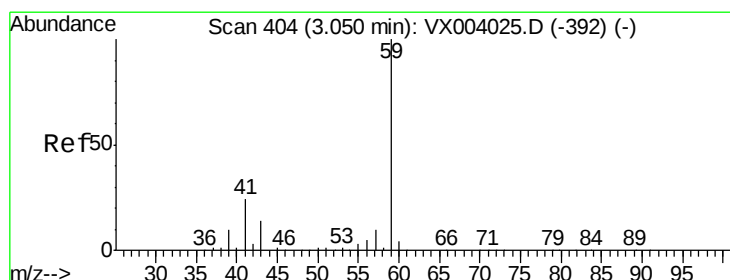
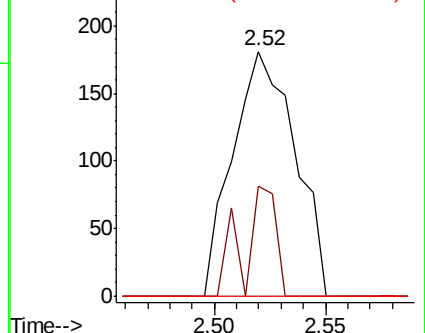
141 0.0 11.1 16.7#



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: 207.66 ug/l

RT: 3.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VX004137.D

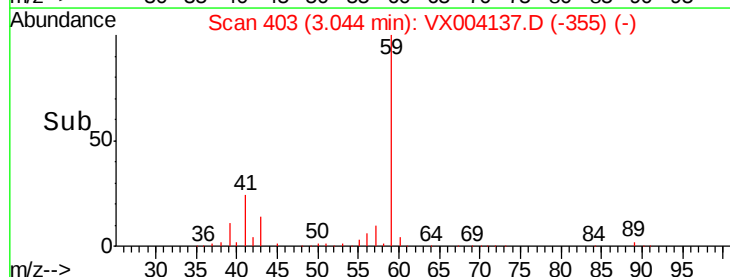
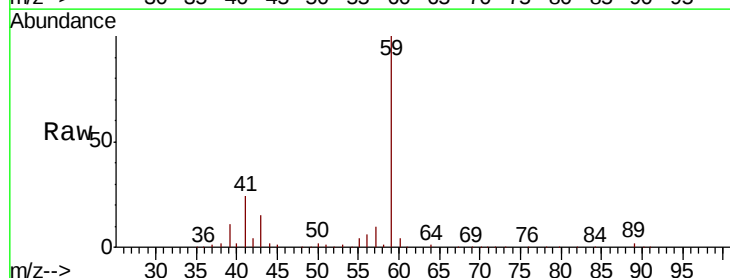
Acq: 17 Aug 2018 17:29

Tgt Ion: 59 Resp: 154679

Ion Ratio Lower Upper

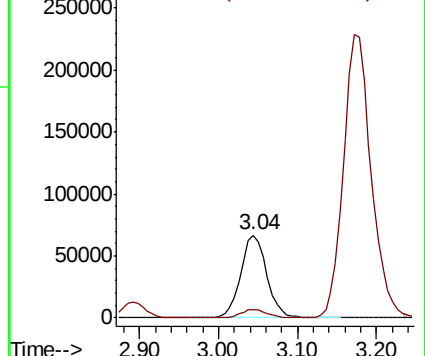
59 100

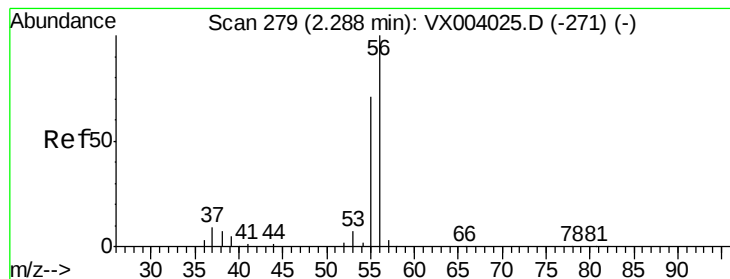
57 0.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 17.99 ug/l

RT: 2.27 min Scan# 276

Delta R.T. -0.02 min

Lab File: VX004137.D

Acq: 17 Aug 2018 17:29

Instrument :

MSVOA_X

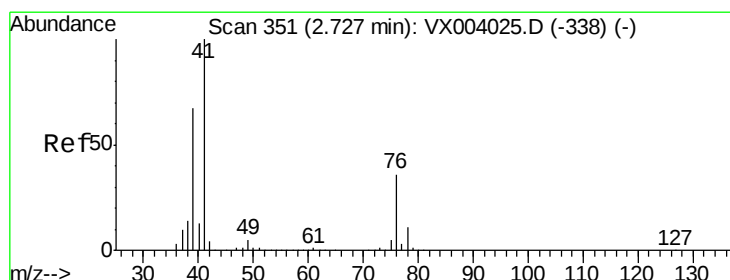
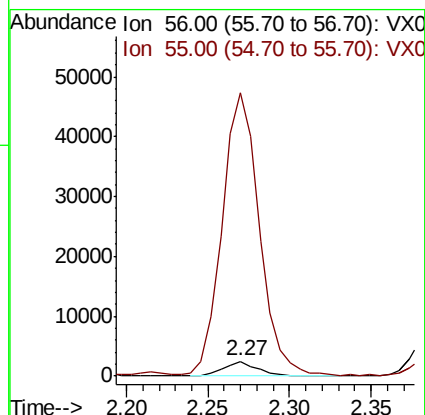
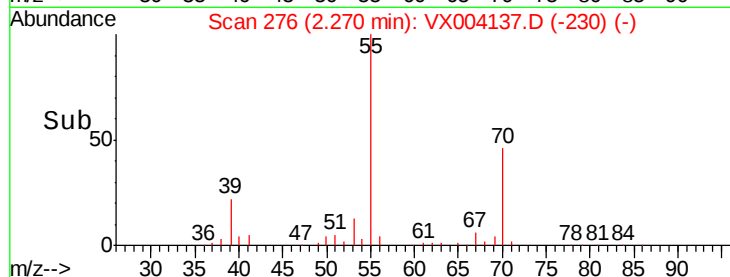
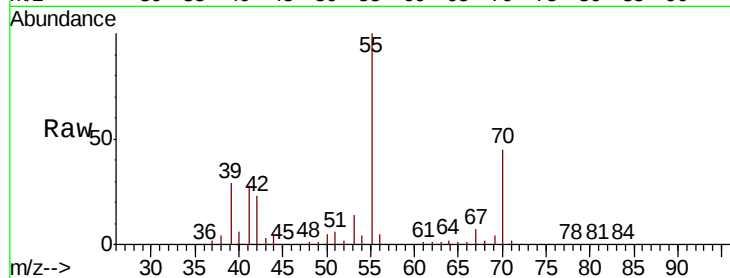
ClientSampled :

Tot Ion: 56 Resp: 3722

Ion Ratio Lower Upper

56 100

55 2005.1 56.1 84.1#



#14

Allyl chloride

Concen: 48.37 ug/l

RT: 2.84 min Scan# 370

Delta R.T. 0.12 min

Lab File: VX004137.D

Acq: 17 Aug 2018 17:29

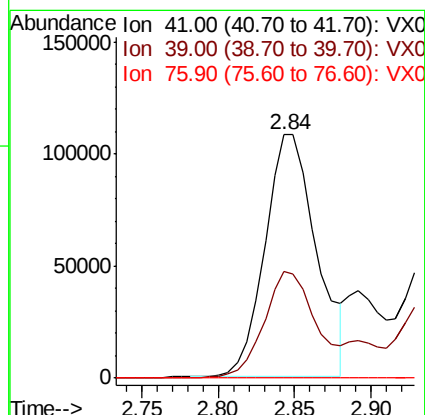
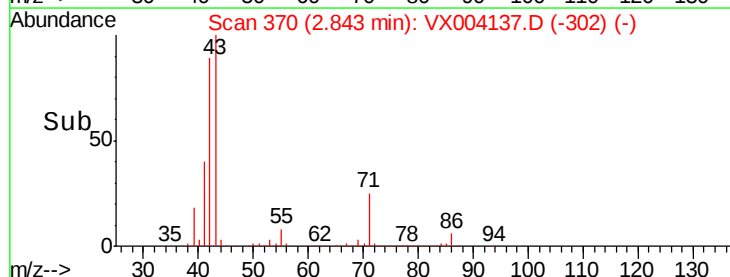
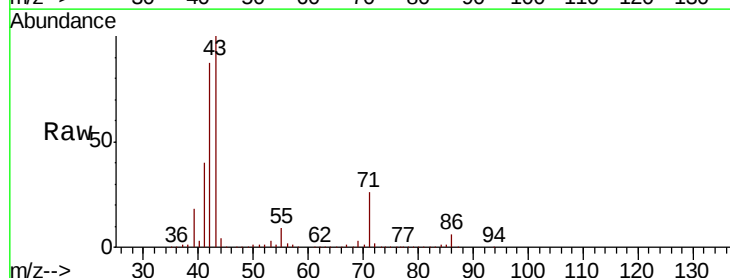
Tgt Ion: 41 Resp: 254155

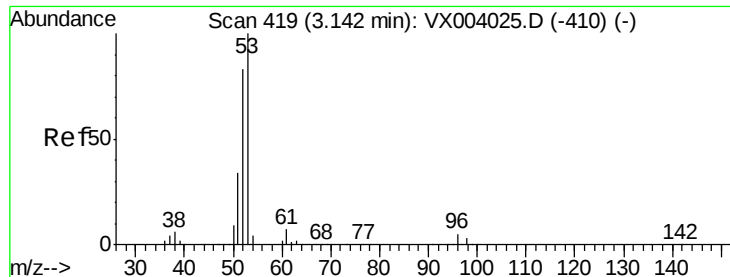
Ion Ratio Lower Upper

41 100

39 44.4 47.4 71.0#

76 0.0 26.0 39.0#





#15

Acrylonitrile

Concen: 11.21 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.03 min

Lab File: VX004137.D

Acq: 17 Aug 2018 17:29

Instrument :

MSVOA_X

ClientSampleId :

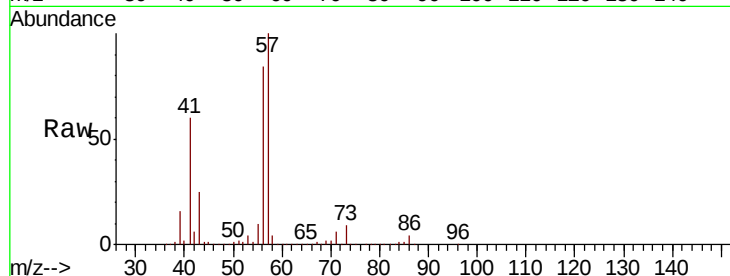
Tot Ion: 53 Resp: 20817

Ion Ratio Lower Upper

53 100

52 20.7 65.3 97.9#

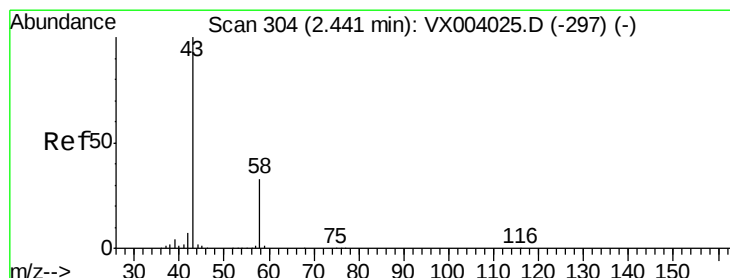
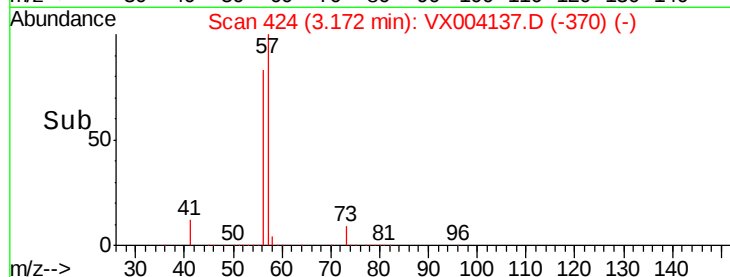
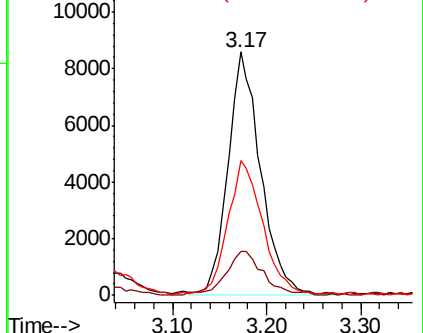
51 59.8 27.9 41.9#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 46.59 ug/l

RT: 2.40 min Scan# 297

Delta R.T. -0.04 min

Lab File: VX004137.D

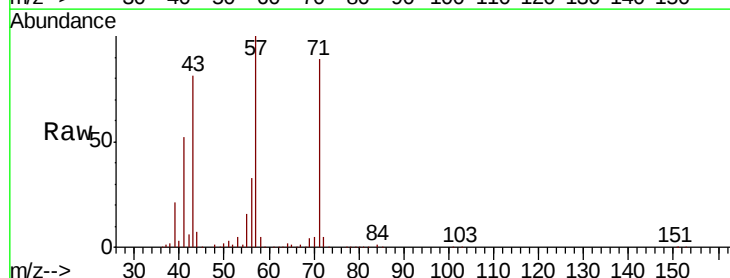
Acq: 17 Aug 2018 17:29

Tgt Ion: 43 Resp: 89607

Ion Ratio Lower Upper

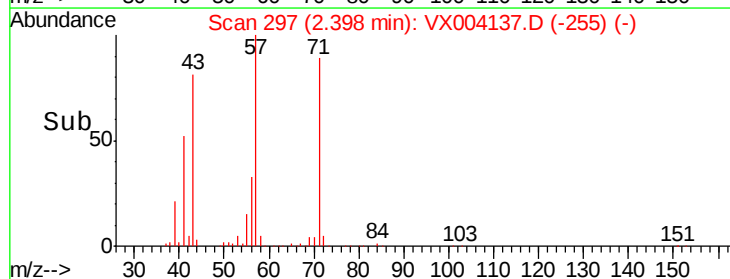
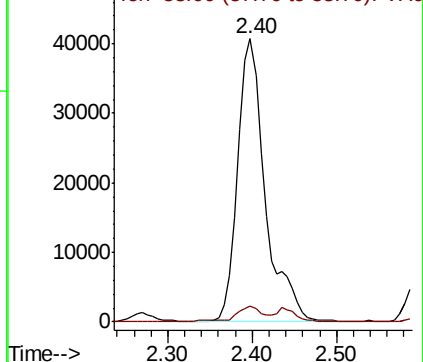
43 100

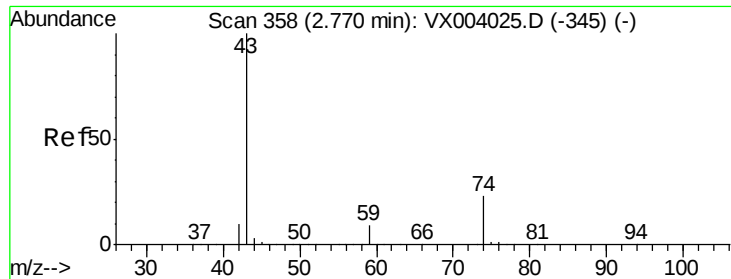
58 5.7 26.4 39.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

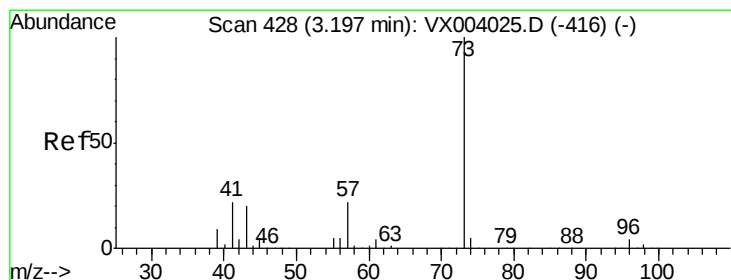
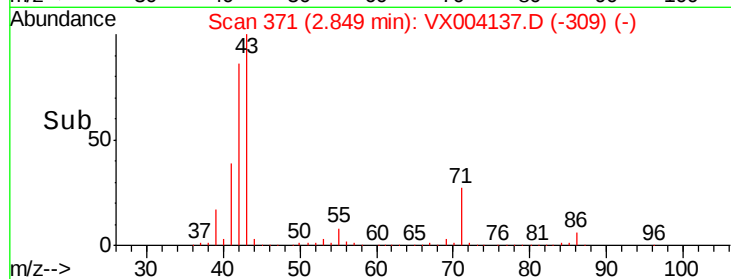
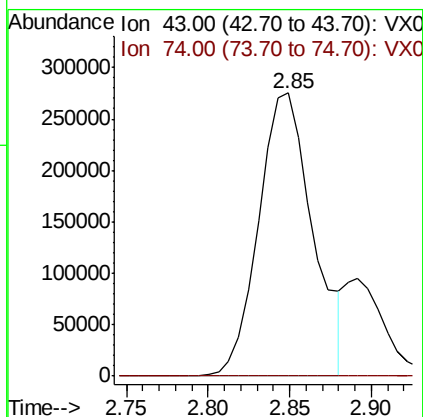
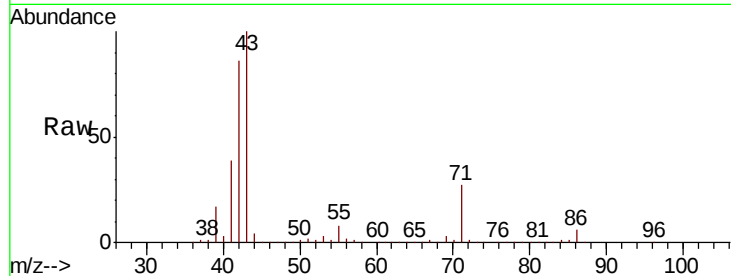




#18
Methyl Acetate
Concen: 148.59 ug/l
RT: 2.85 min Scan# 371
Delta R.T. 0.08 min
Lab File: VX004137.D
Acq: 17 Aug 2018 17:29

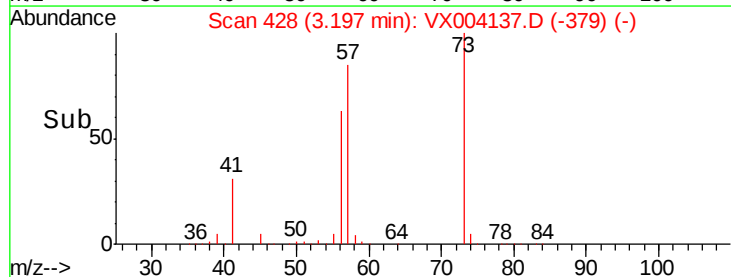
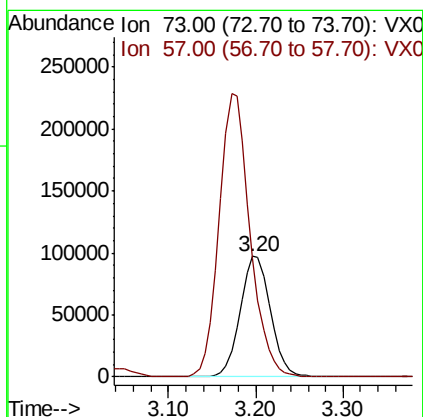
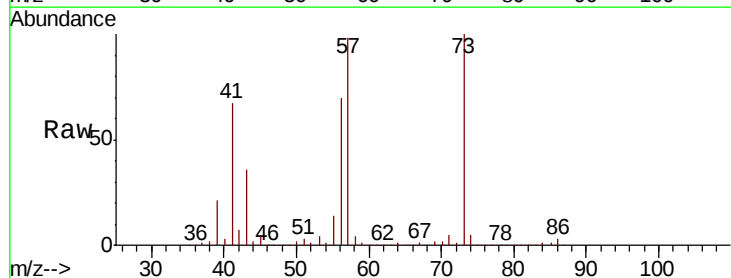
Instrument :
MSVOA_X
ClientSampleId :

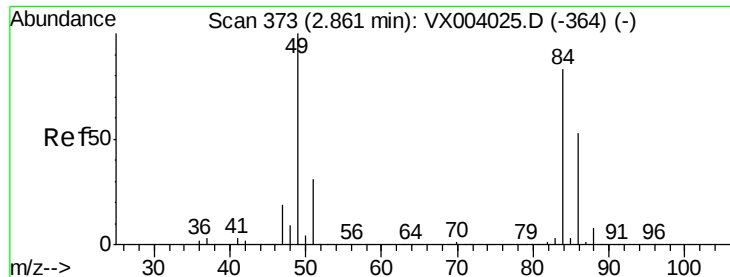
Tot Ion: 43 Resp: 635006
Ion Ratio Lower Upper
43 100
74 0.0 18.9 28.3#



#19
Methyl tert-butyl Ether
Concen: 23.97 ug/l
RT: 3.20 min Scan# 428
Delta R.T. 0.00 min
Lab File: VX004137.D
Acq: 17 Aug 2018 17:29

Tgt Ion: 73 Resp: 233240
Ion Ratio Lower Upper
73 100
57 97.4 18.0 27.0#

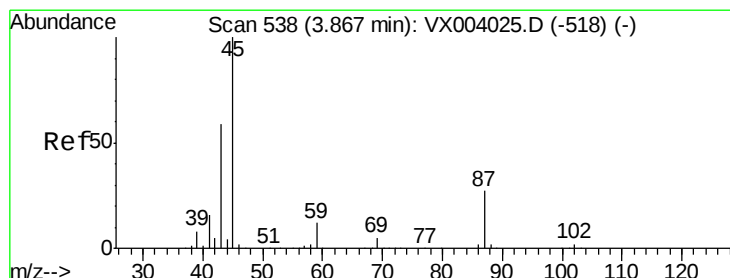
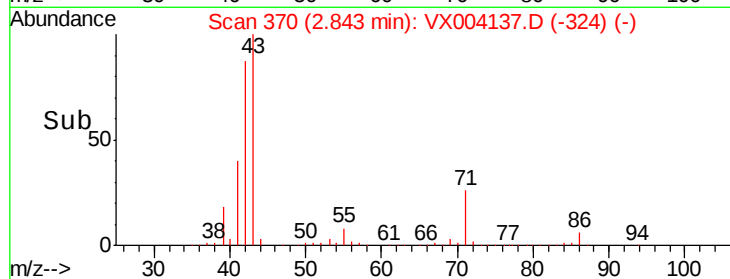
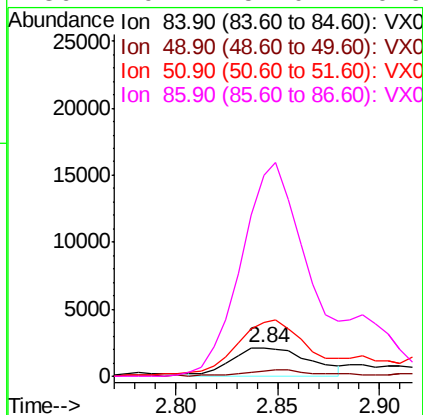
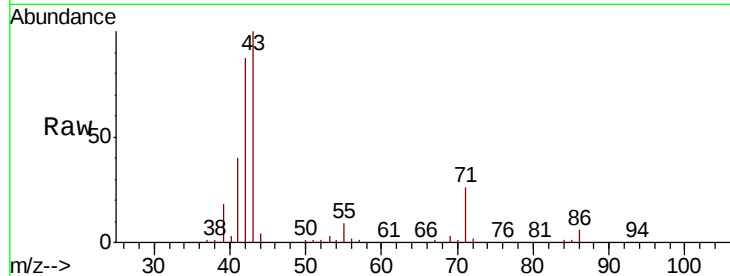




#20
Methvlene Chloride
Concen: 1.19 ug/l
RT: 2.84 min Scan# 370
Delta R.T. -0.02 min
Lab File: VX004137.D
Acq: 17 Aug 2018 17:29

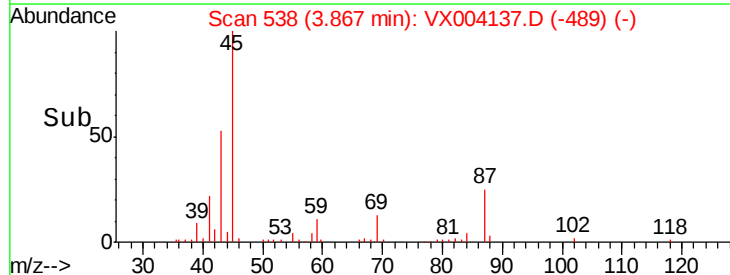
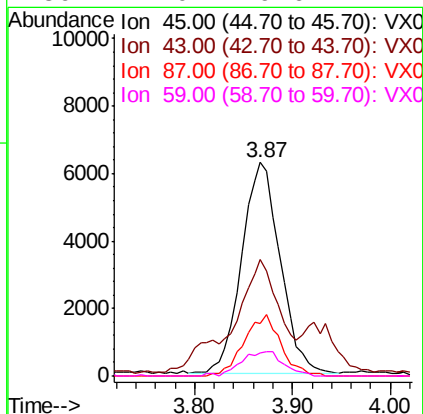
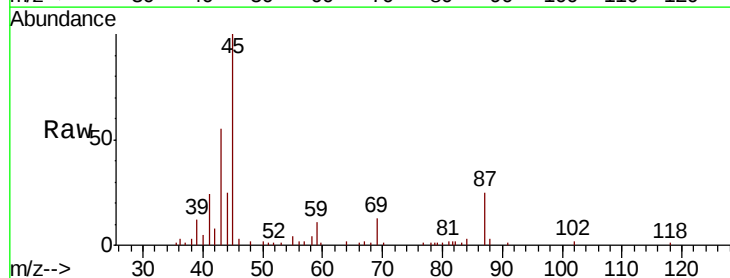
Instrument :
MSVOA_X
ClientSampleId :

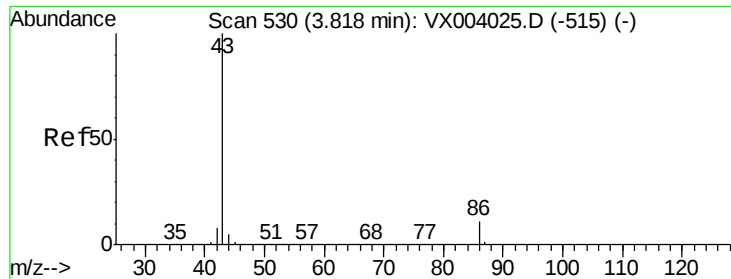
Tot Ion: 84 Resp: 5599
Ion Ratio Lower Upper
84 100
49 21.1 98.9 148.3#
51 189.1 29.9 44.9#
86 749.1 51.0 76.6#



#22
Diisopropyl ether
Concen: 1.66 ug/l
RT: 3.87 min Scan# 538
Delta R.T. 0.00 min
Lab File: VX004137.D
Acq: 17 Aug 2018 17:29

Tgt Ion: 45 Resp: 17138
Ion Ratio Lower Upper
45 100
43 47.1 45.3 67.9
87 25.0 22.7 34.1
59 11.0 9.6 14.4

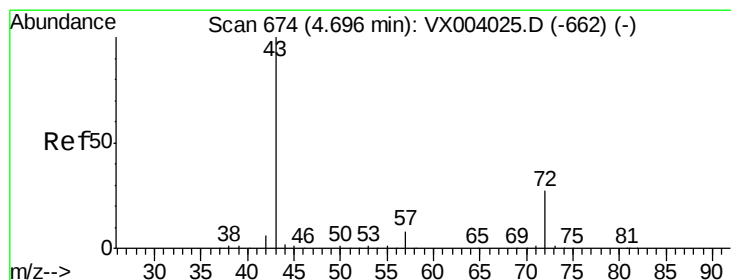
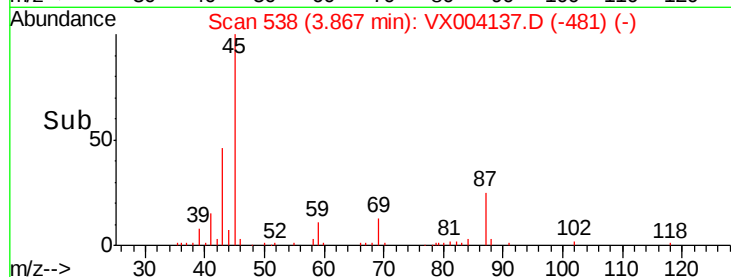
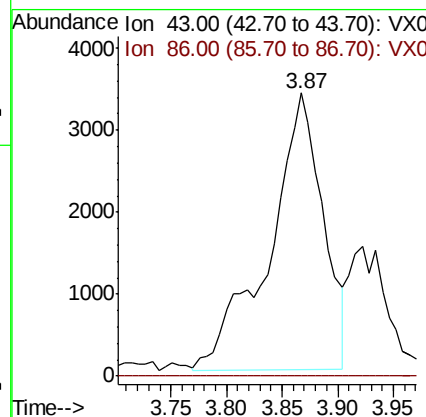
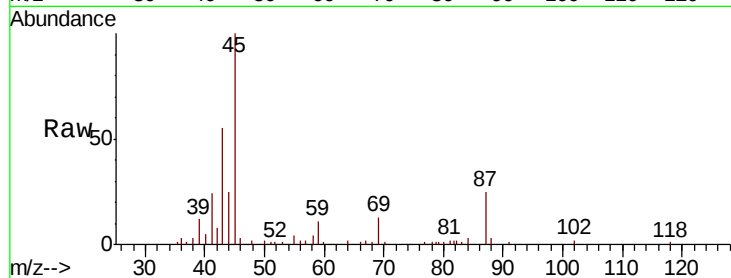




#23
 Vinyl Acetate
 Concen: 1.34 ug/l
 RT: 3.87 min Scan# 538
 Delta R.T. 0.05 min
 Lab File: VX004137.D
 Acq: 17 Aug 2018 17:29

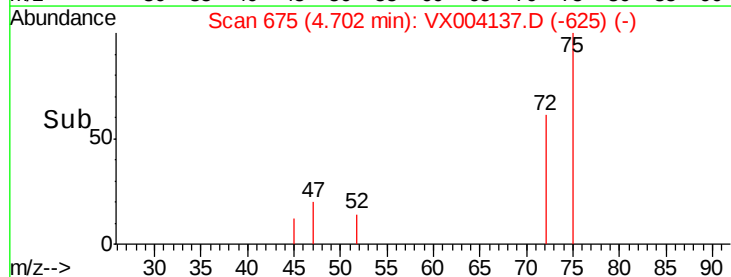
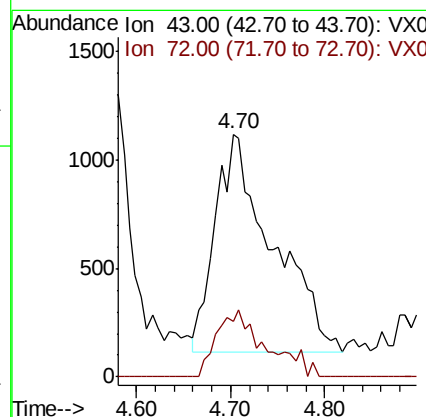
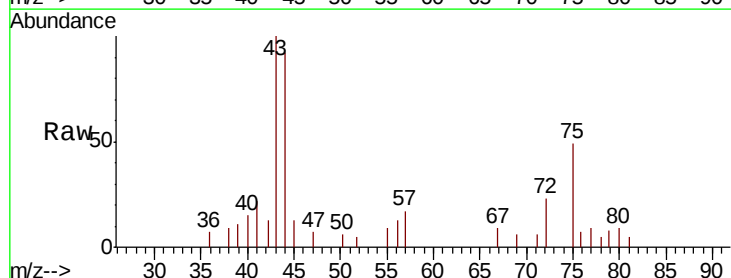
Instrument :
 MSVOA_X
 ClientSampleId :

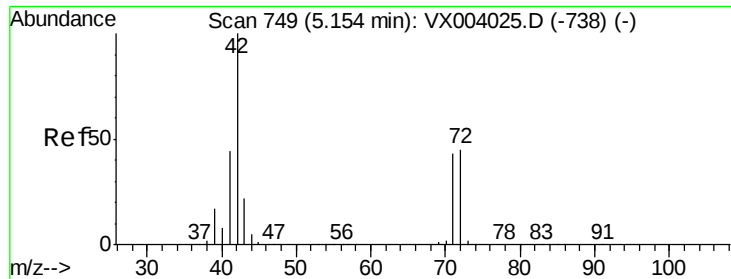
Tot Ion: 43 Resp: 11371
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.9 13.3#



#25
 2-Butanone
 Concen: 1.36 ug/l
 RT: 4.70 min Scan# 675
 Delta R.T. 0.01 min
 Lab File: VX004137.D
 Acq: 17 Aug 2018 17:29

Tgt Ion: 43 Resp: 4241
 Ion Ratio Lower Upper
 43 100
 72 25.6 21.4 32.0

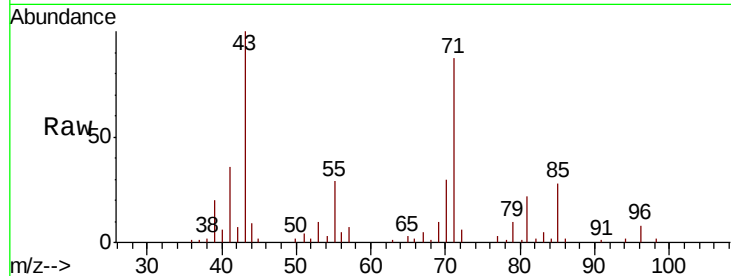




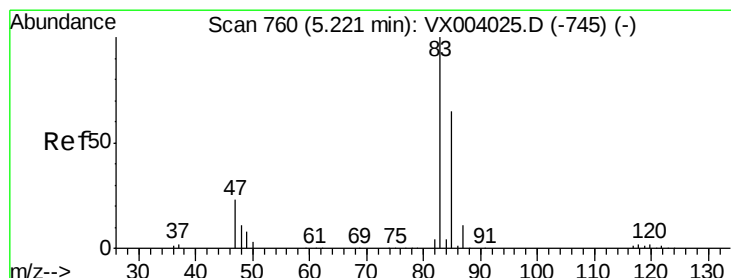
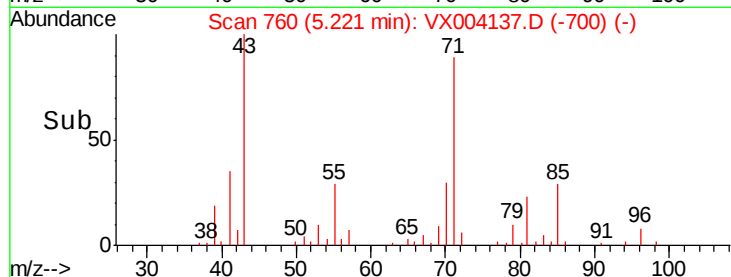
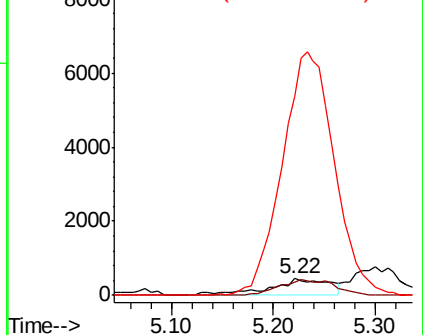
#29
Tetrahydrofuran
Concen: 1.15 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.07 min
Lab File: VX004137.D
Acq: 17 Aug 2018 17:29

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 42 Resp: 1838
Ion Ratio Lower Upper
42 100
72 86.0 37.7 56.5#
71 1271.8 35.0 52.6#

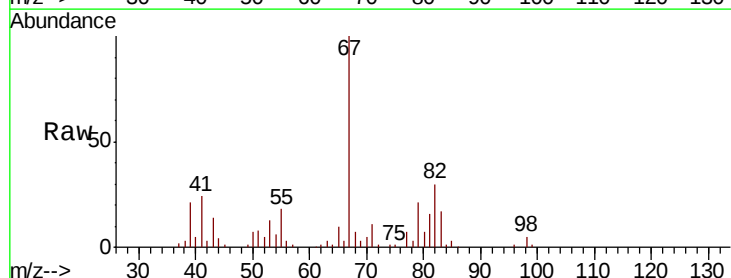


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

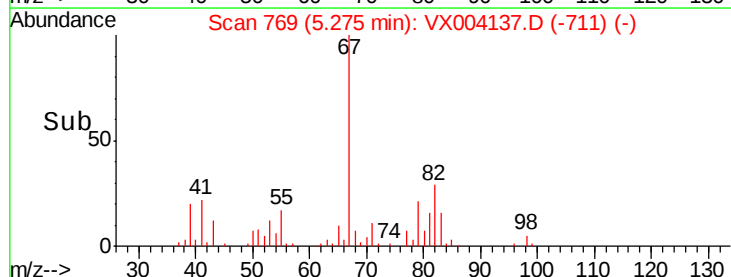
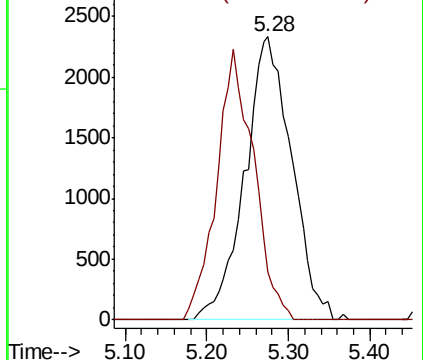


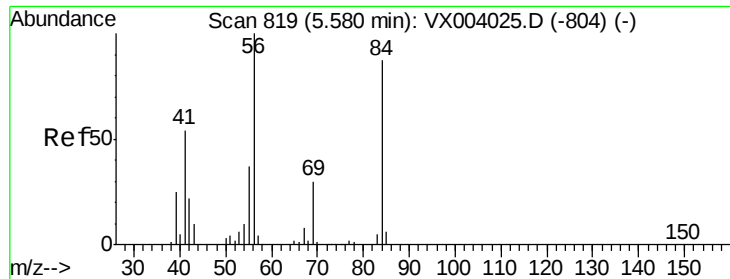
#30
Chloroform
Concen: 1.64 ug/l
RT: 5.28 min Scan# 769
Delta R.T. 0.05 min
Lab File: VX004137.D
Acq: 17 Aug 2018 17:29

Tgt Ion: 83 Resp: 9313
Ion Ratio Lower Upper
83 100
85 16.9 50.7 76.1#



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0

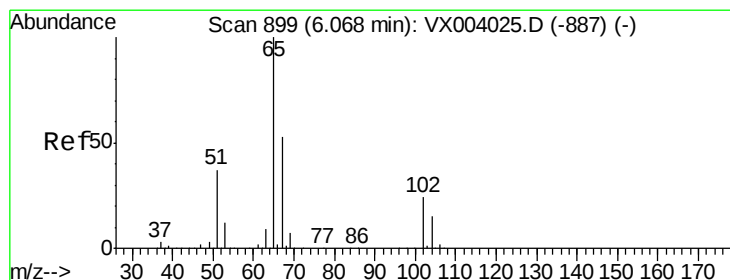
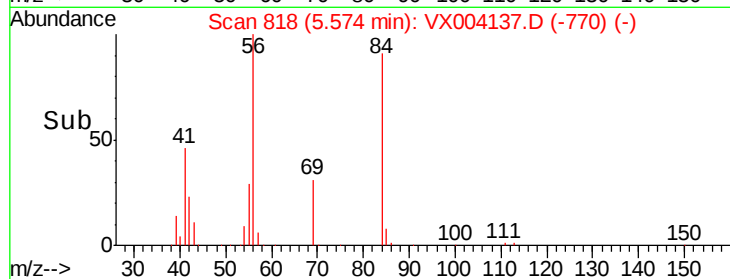
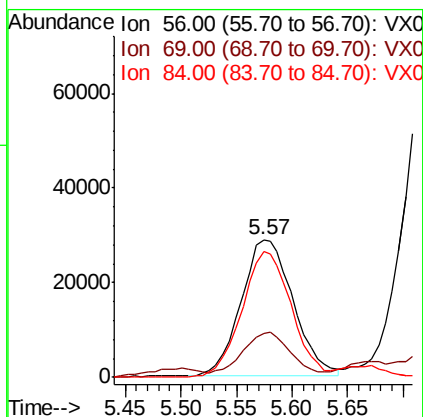
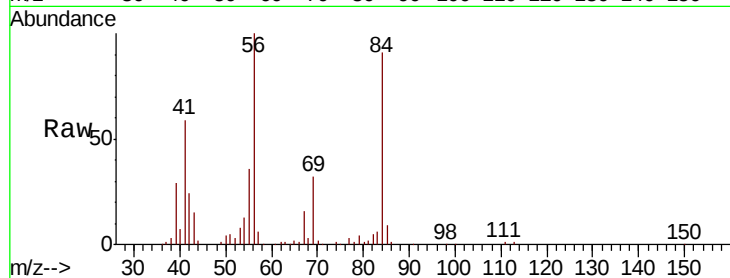




#31
Cyclohexane
Concen: 18.19 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX004137.D
Acq: 17 Aug 2018 17:29

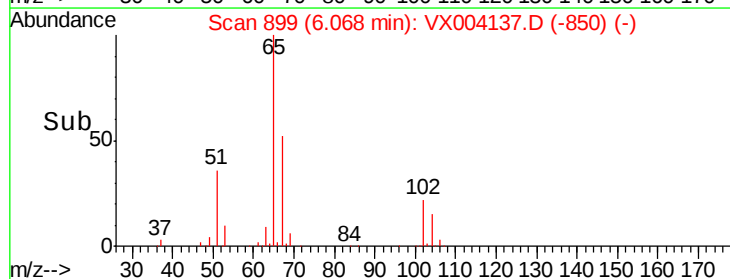
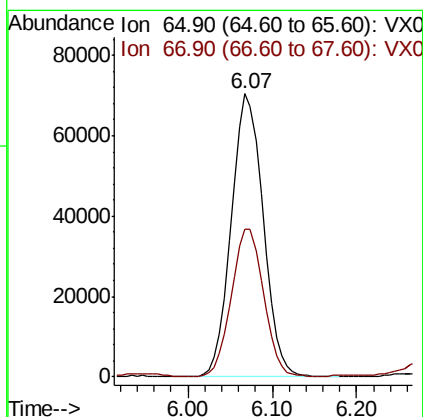
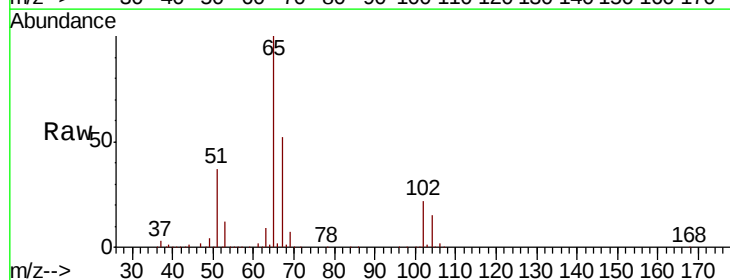
Instrument :
MSVOA_X
ClientSampleId :

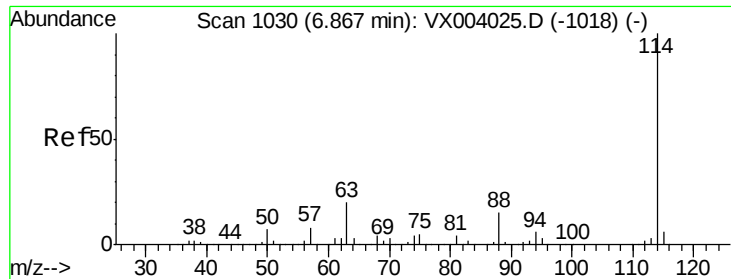
Tot Ion: 56 Resp: 93017
Ion Ratio Lower Upper
56 100
69 26.4 24.9 37.3
84 91.7 71.7 107.5



#33
1,2-Dichloroethane-d4
Concen: 48.91 ug/l
RT: 6.07 min Scan# 899
Delta R.T. 0.00 min
Lab File: VX004137.D
Acq: 17 Aug 2018 17:29

Tgt Ion: 65 Resp: 180923
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.8

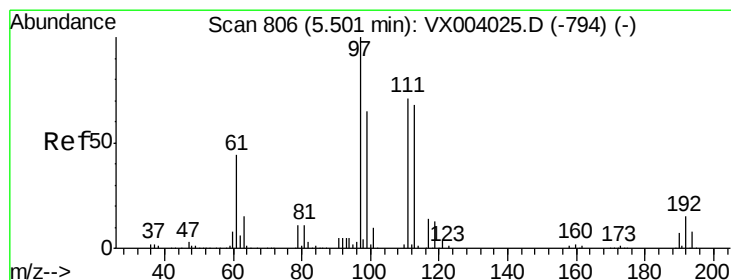
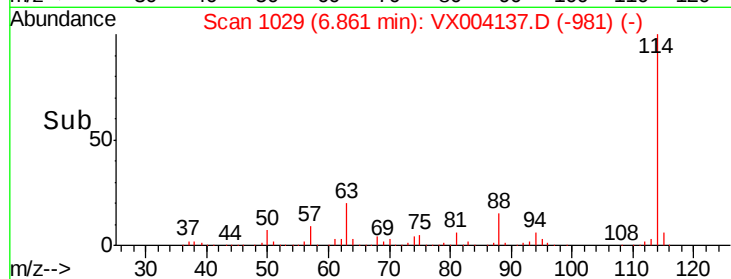
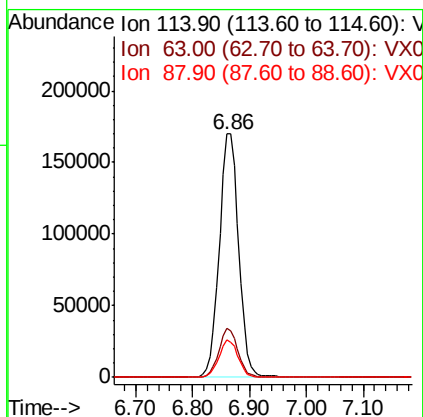
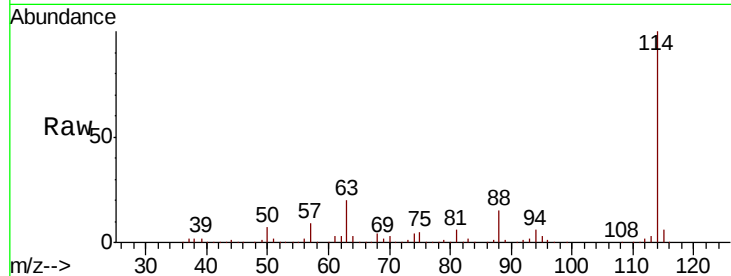




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX004137.D
 Acq: 17 Aug 2018 17:29

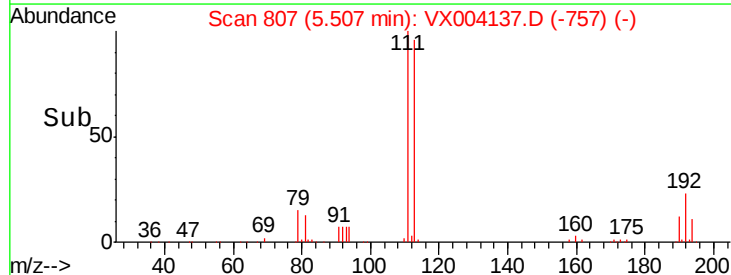
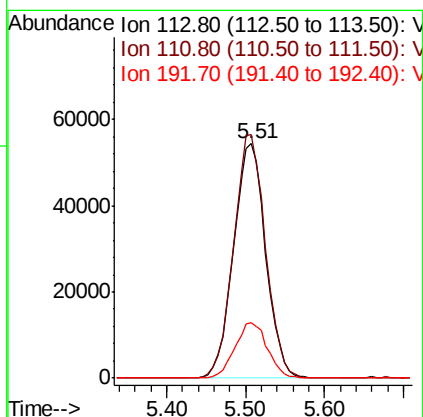
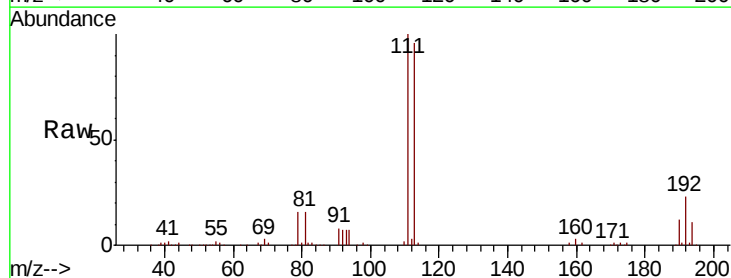
Instrument :
 MSVOA_X
 ClientSampleId :

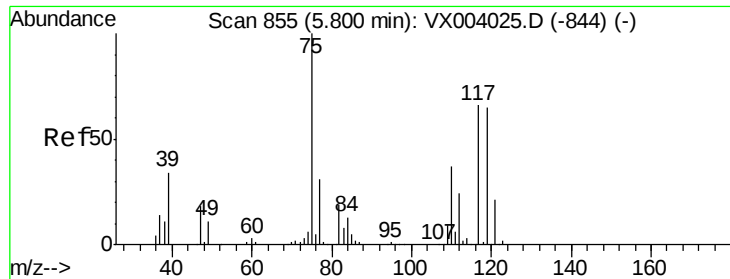
Tot Ion:114 Resp: 400048
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.0
 88 15.3 0.0 32.0



#35
 Dibromofluoromethane
 Concen: 51.47 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX004137.D
 Acq: 17 Aug 2018 17:29

Tgt Ion:113 Resp: 154110
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.0 123.0
 192 23.8 19.0 28.4

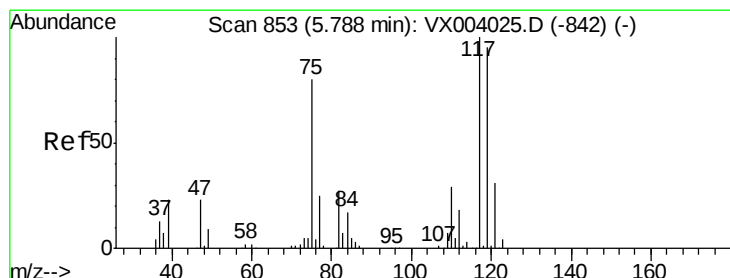
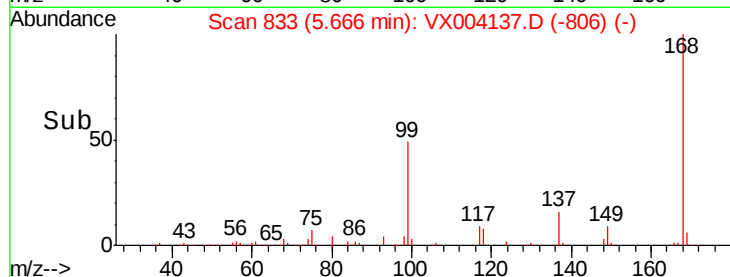
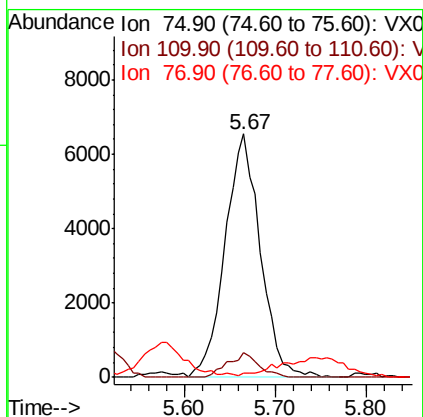
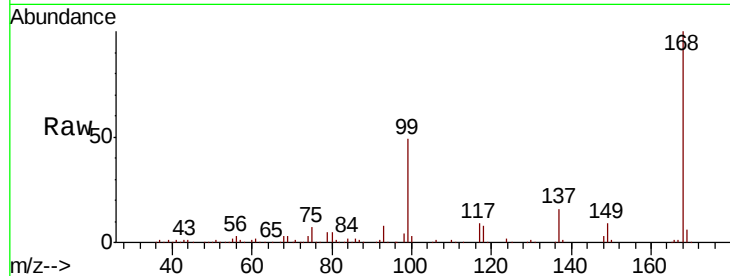




#36
 1,1-Dichloropropene
 Concen: 3.89 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX004137.D
 Acq: 17 Aug 2018 17:29

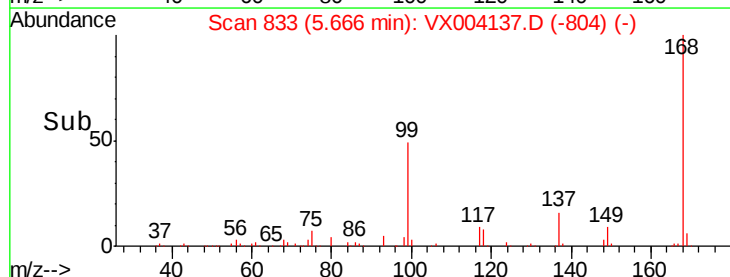
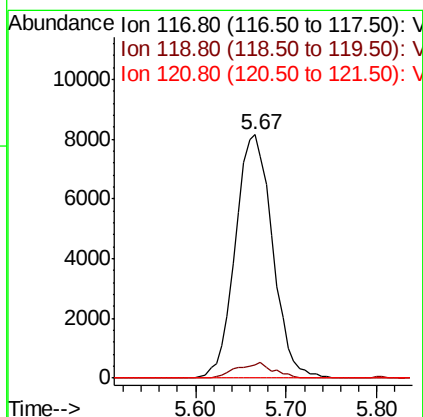
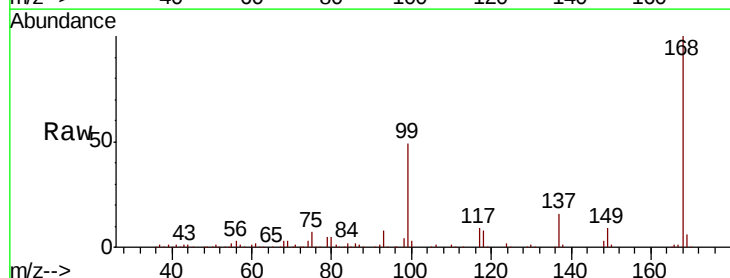
Instrument :
 MSVOA_X
 ClientSampleId :

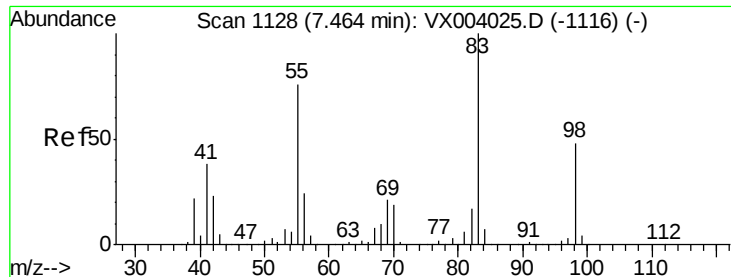
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.2	54.6#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.23 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX004137.D
 Acq: 17 Aug 2018 17:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	79.5	119.3#
121	0.0	25.0	37.4#

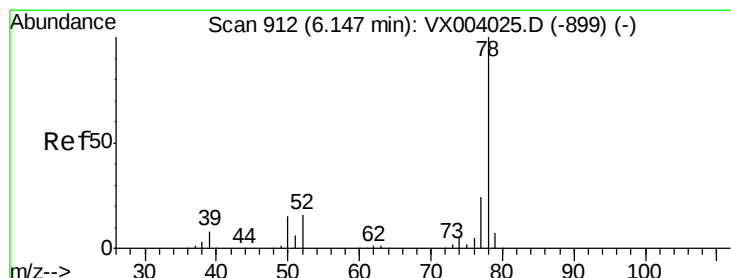
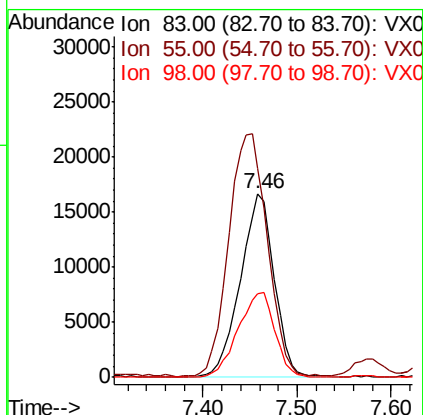
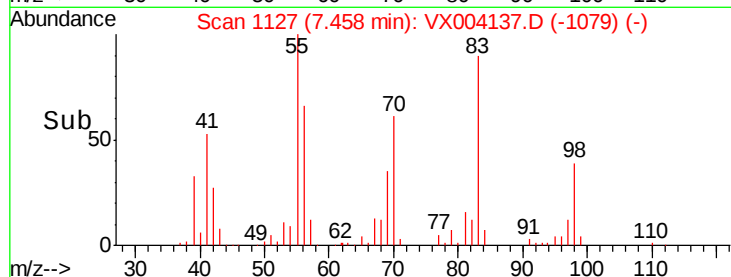
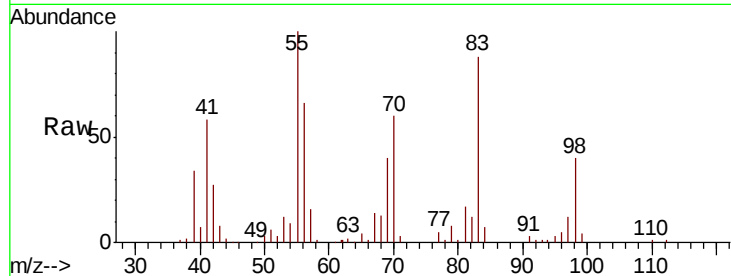




#39
Methvlcvclohexane
Concen: 8.16 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX004137.D
Acq: 17 Aug 2018 17:29

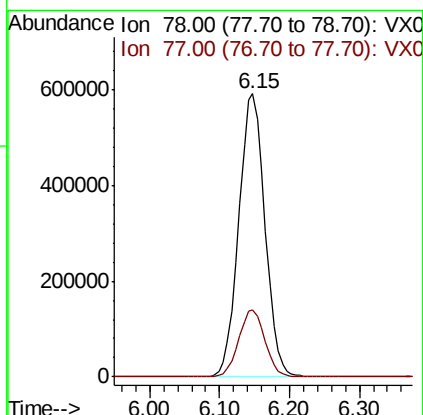
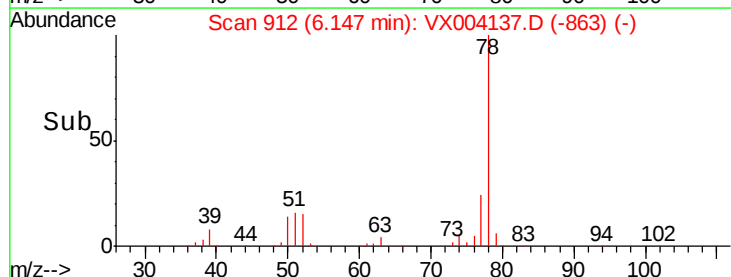
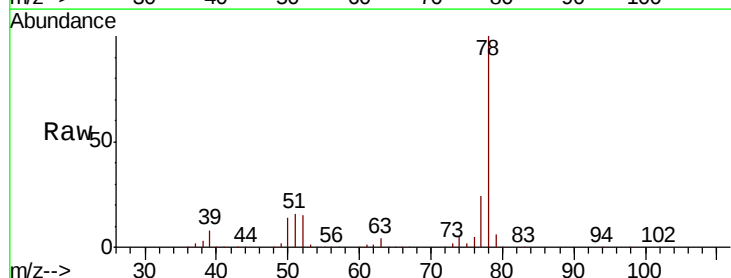
Instrument :
MSVOA_X
ClientSampled :

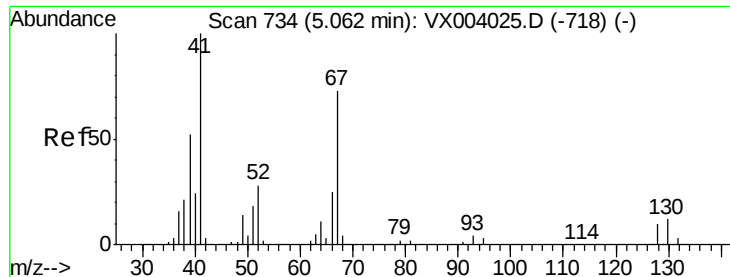
Tot Ion: 83 Resp: 42122
Ion Ratio Lower Upper
83 100
55 113.5 61.0 91.6#
98 45.8 38.6 57.8



#40
Benzene
Concen: 112.52 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX004137.D
Acq: 17 Aug 2018 17:29

Tgt Ion: 78 Resp: 1538077
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.4





#41

Methacrylonitrile

Concen: 0.62 ug/l

RT: 5.06 min Scan# 733

Delta R.T. -0.01 min

Lab File: VX004137.D

Acq: 17 Aug 2018 17:29

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 41 Resp: 1722

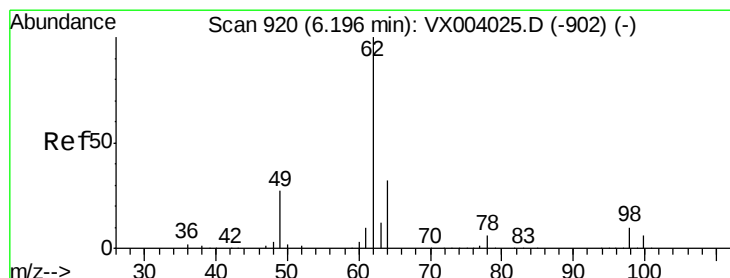
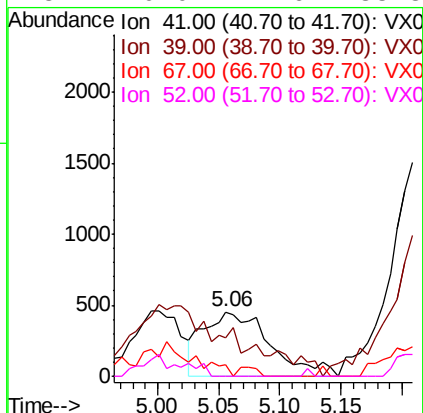
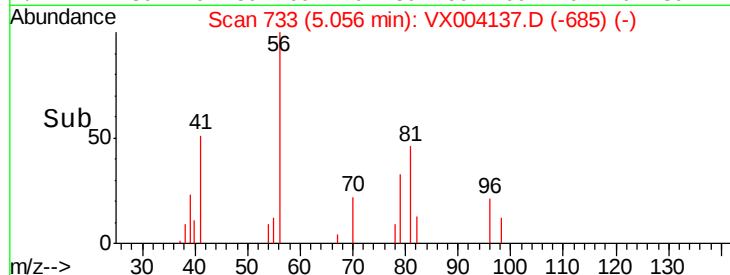
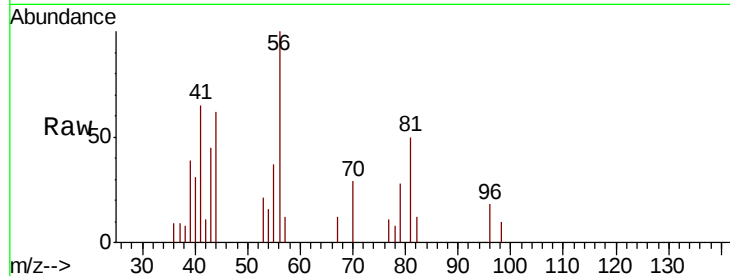
Ion Ratio Lower Upper

41 100

39 0.0 42.7 64.1#

67 0.0 58.9 88.3#

52 0.0 22.6 33.8#



#42

1,2-Dichloroethane

Concen: 2.67 ug/l

RT: 6.14 min Scan# 911

Delta R.T. -0.05 min

Lab File: VX004137.D

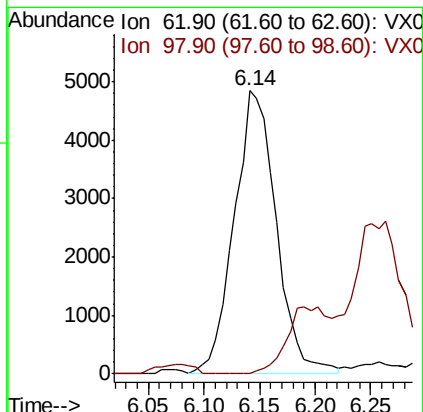
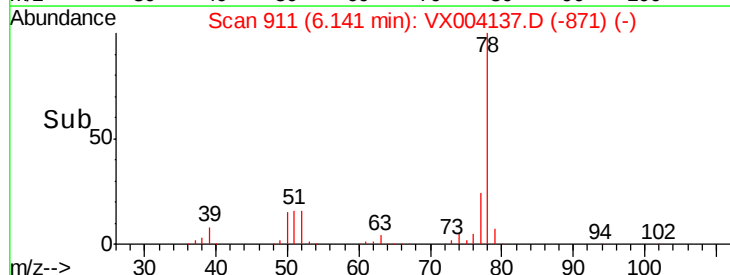
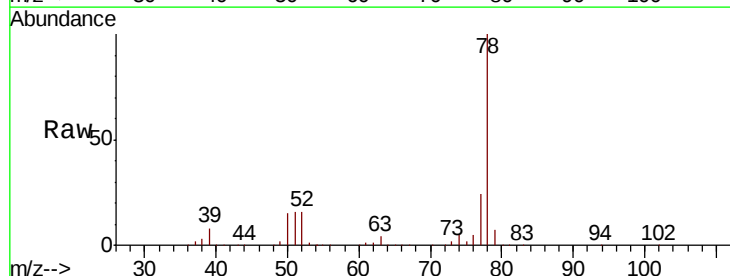
Acq: 17 Aug 2018 17:29

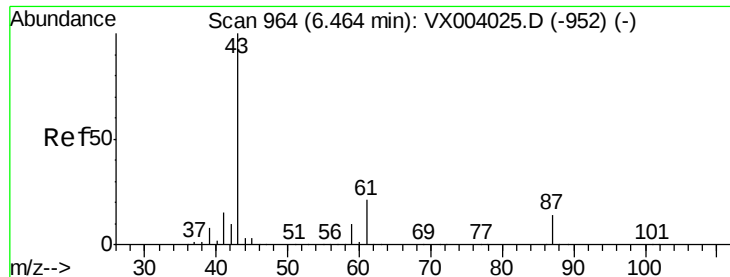
Tgt Ion: 62 Resp: 12756

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.4





#43

Isopropyl Acetate

Concen: 0.79 ug/l

RT: 6.45 min Scan# 962

Delta R.T. -0.01 min

Lab File: VX004137.D

Acq: 17 Aug 2018 17:29

Instrument :

MSVOA_X

ClientSampleId :

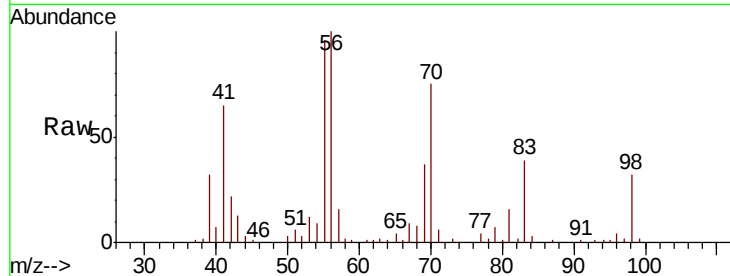
Tot Ion: 43 Resp: 5764

Ion Ratio Lower Upper

43 100

61 2.0 16.9 25.3#

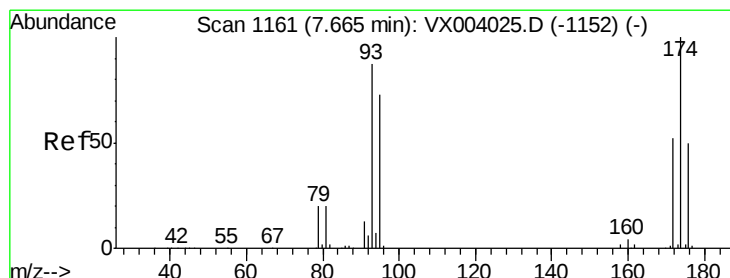
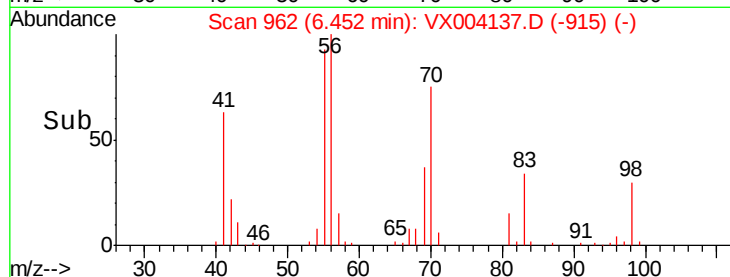
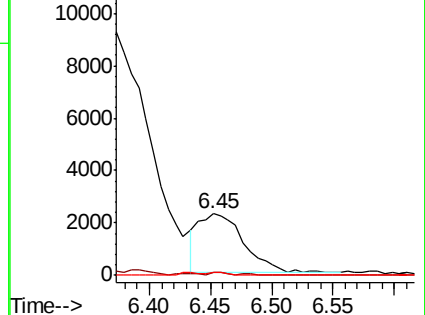
87 2.6 11.3 16.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#46

Dibromomethane

Concen: 0.45 ug/l

RT: 7.63 min Scan# 1156

Delta R.T. -0.03 min

Lab File: VX004137.D

Acq: 17 Aug 2018 17:29

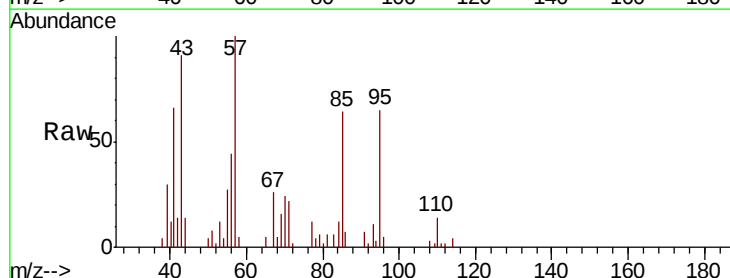
Tgt Ion: 93 Resp: 1036

Ion Ratio Lower Upper

93 100

95 562.7 66.4 99.6#

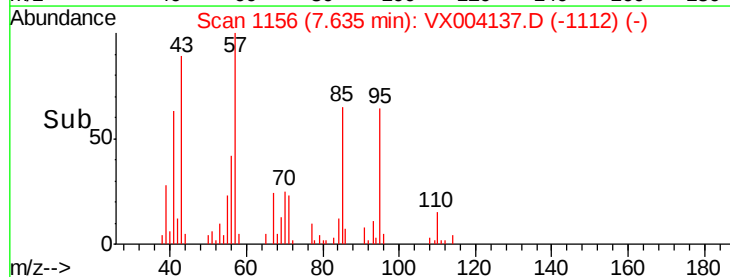
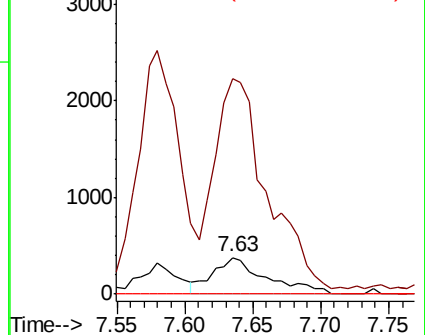
174 0.0 94.3 141.5#

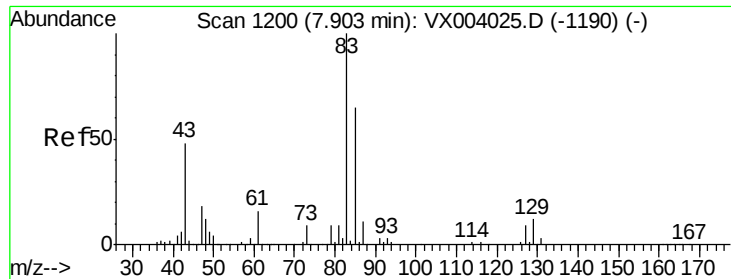


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 0.45 ug/l

RT: 7.84 min Scan# 1190

Delta R.T. -0.06 min

Lab File: VX004137.D

Acq: 17 Aug 2018 17:29

Instrument :

MSVOA_X

ClientSampleId :

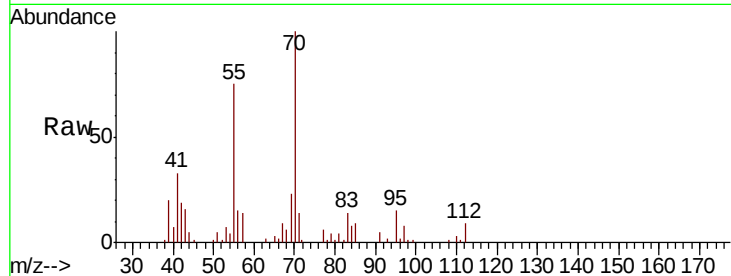
Tot Ion: 83 Resp: 1932

Ion Ratio Lower Upper

83 100

85 65.7 51.2 76.8

127 0.0 7.2 10.8#

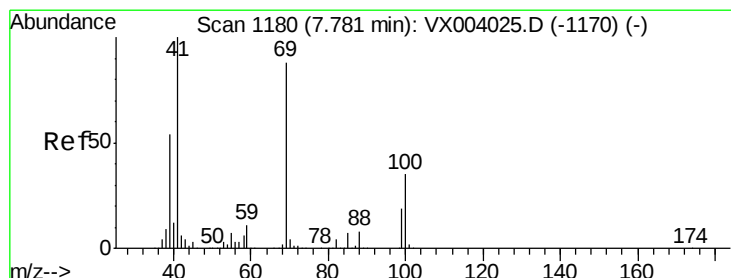
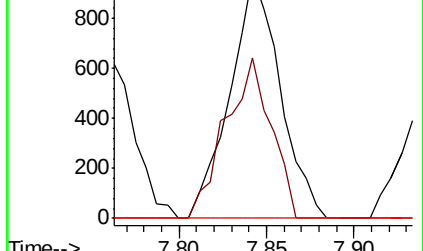
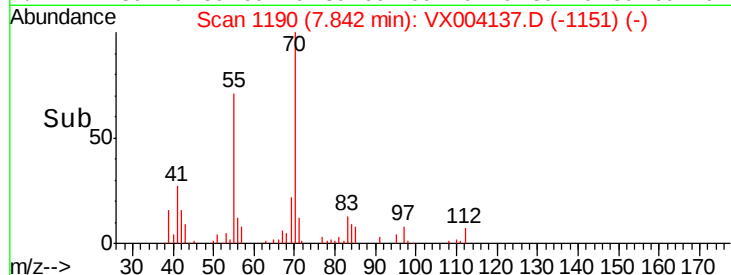


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): VX0

Time-->



#48

Methyl methacrylate

Concen: 1.31 ug/l

RT: 7.73 min Scan# 1172

Delta R.T. -0.05 min

Lab File: VX004137.D

Acq: 17 Aug 2018 17:29

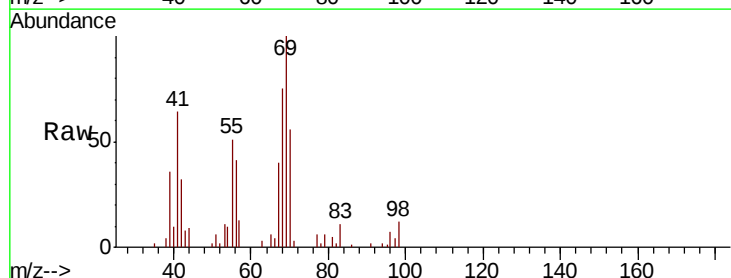
Tgt Ion: 41 Resp: 4835

Ion Ratio Lower Upper

41 100

69 161.3 68.8 103.2#

39 44.1 42.3 63.5

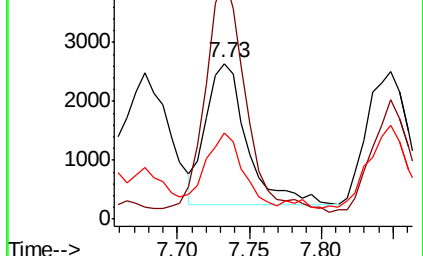
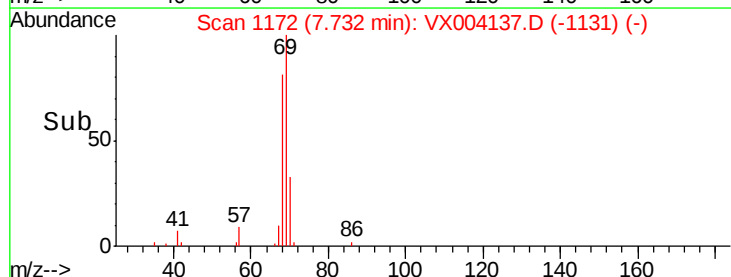


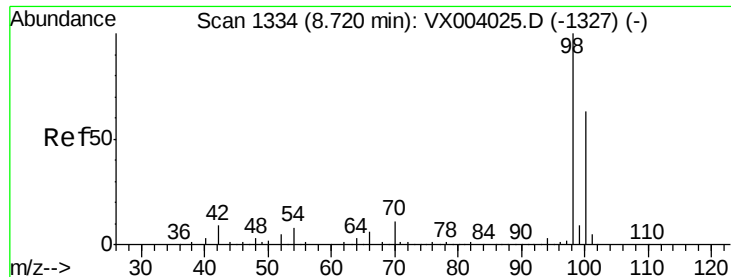
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Time-->





#50

Toluene-d8

Concen: 49.37 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX004137.D

Acq: 17 Aug 2018 17:29

Instrument :

MSVOA_X

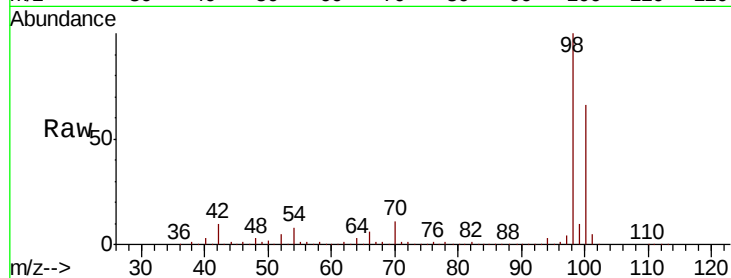
ClientSampleId :

Tot Ion: 98 Resp: 599249

Ion Ratio Lower Upper

98 100

100 65.2 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.72

400000

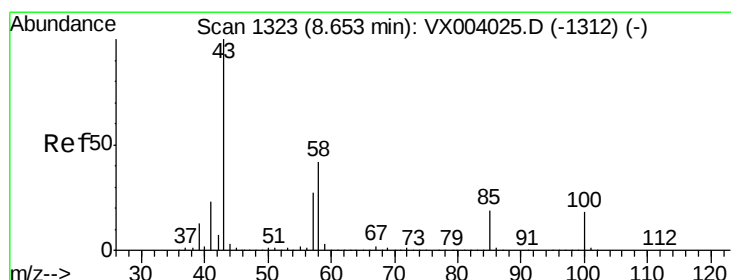
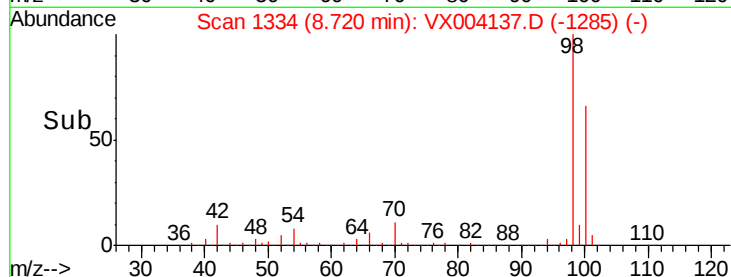
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.42 ug/l

RT: 8.67 min Scan# 1326

Delta R.T. 0.02 min

Lab File: VX004137.D

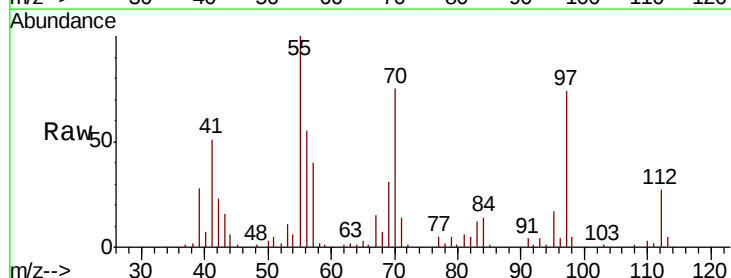
Acq: 17 Aug 2018 17:29

Tgt Ion: 43 Resp: 2540

Ion Ratio Lower Upper

43 100

58 28.0 33.0 49.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

4000

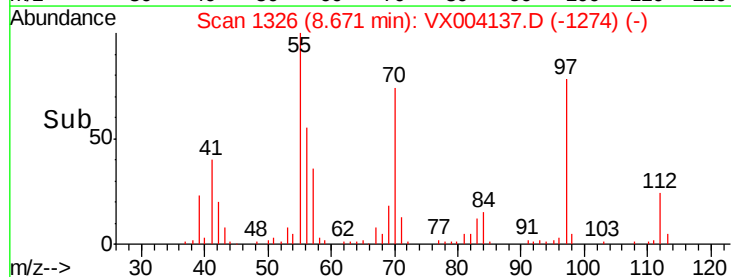
3000

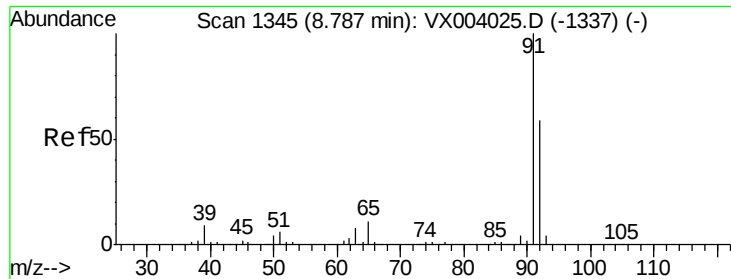
2000

1000

0

Time-->





#52

Toluene

Concen: 4.99 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX004137.D

Acq: 17 Aug 2018 17:29

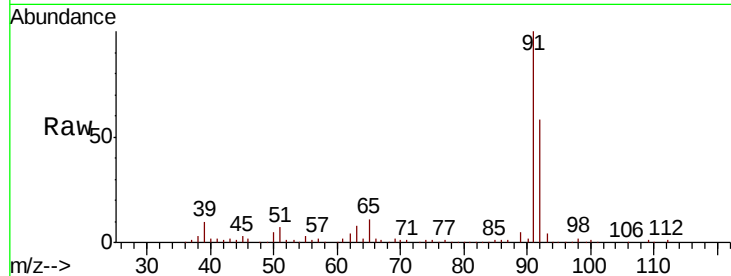
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 92 Resp: 43146

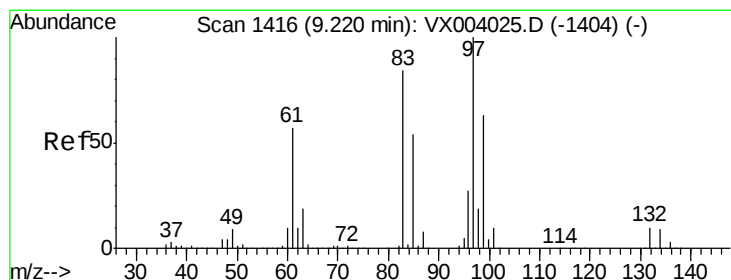
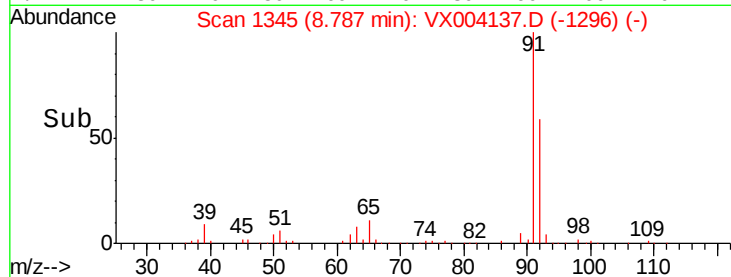
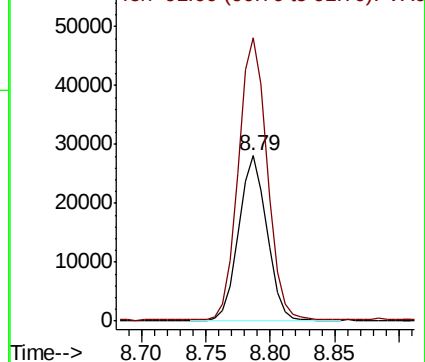
Ion Ratio Lower Upper

92 100

91 171.7 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0
Ion 91.00 (90.70 to 91.70): VX0



#55

1,1,2-Trichloroethane

Concen: 5.69 ug/l

RT: 9.17 min Scan# 1407

Delta R.T. -0.05 min

Lab File: VX004137.D

Acq: 17 Aug 2018 17:29

Tgt Ion: 97 Resp: 20296

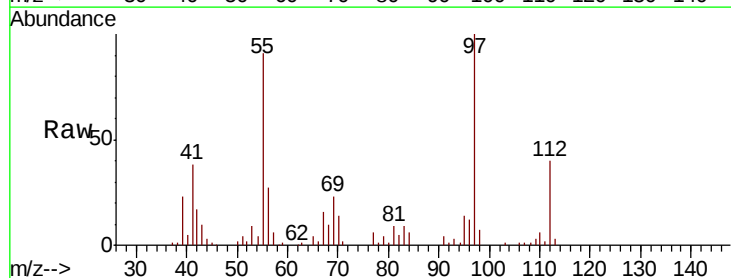
Ion Ratio Lower Upper

97 100

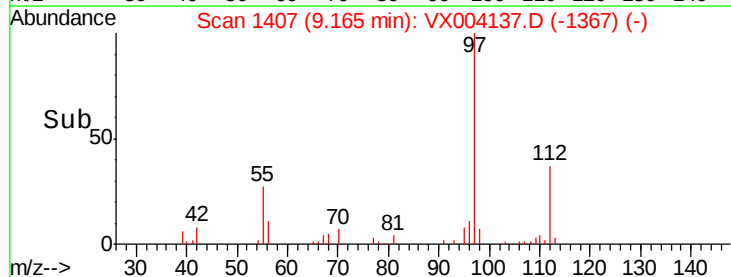
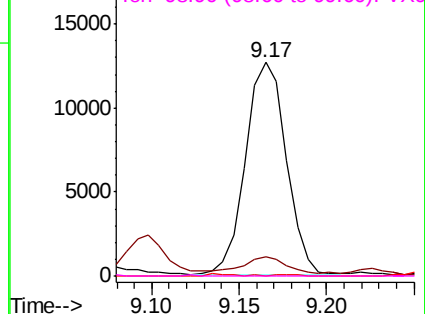
83 7.9 67.8 101.6#

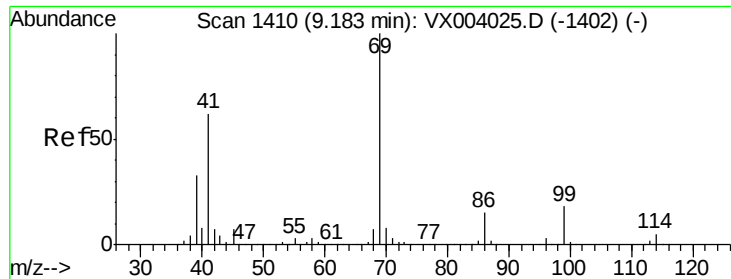
85 0.0 44.2 66.2#

99 0.0 50.8 76.2#



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: 1.07 ug/l

RT: 9.17 min Scan# 1407

Delta R.T. -0.02 min

Lab File: VX004137.D

Acq: 17 Aug 2018 17:29

Instrument :
MSVOA_X
ClientSampled :

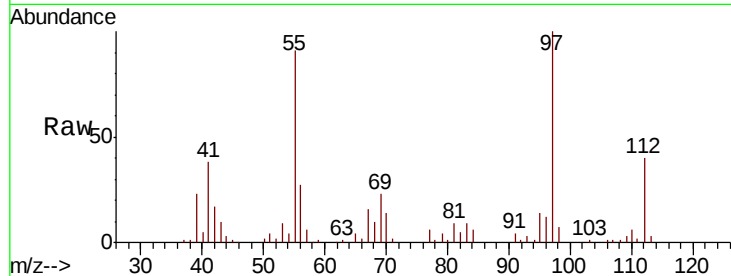
Tot Ion: 69 Resp: 5193

Ion Ratio Lower Upper

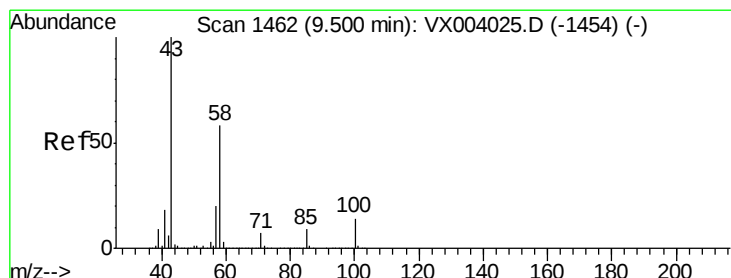
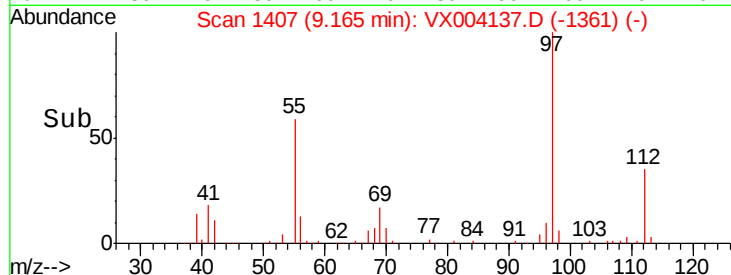
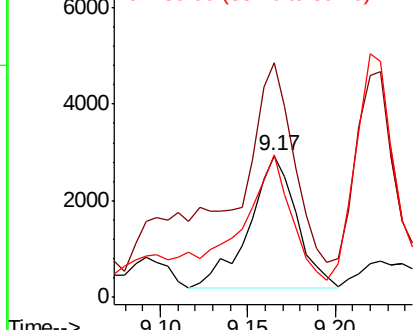
69 100

41 131.4 50.6 76.0#

39 90.4 25.8 38.6#



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



#59

2-Hexanone

Concen: 1.15 ug/l

RT: 9.52 min Scan# 1465

Delta R.T. 0.02 min

Lab File: VX004137.D

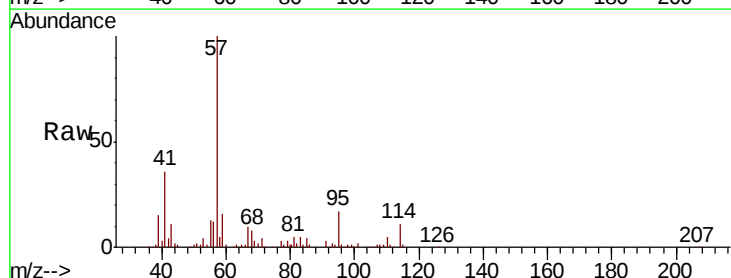
Acq: 17 Aug 2018 17:29

Tgt Ion: 43 Resp: 5165

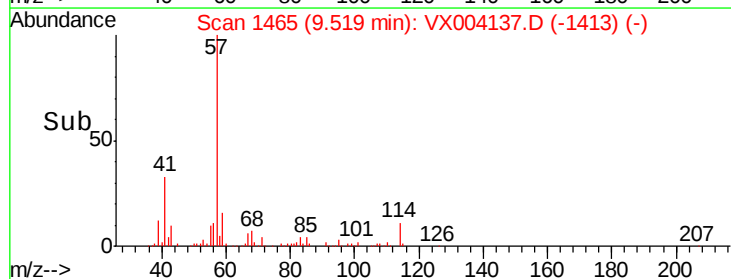
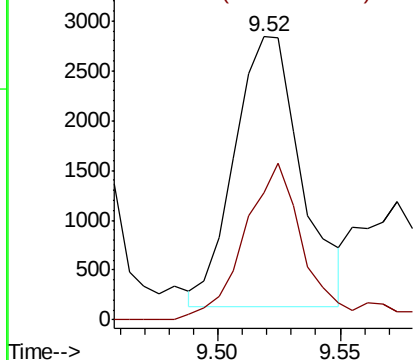
Ion Ratio Lower Upper

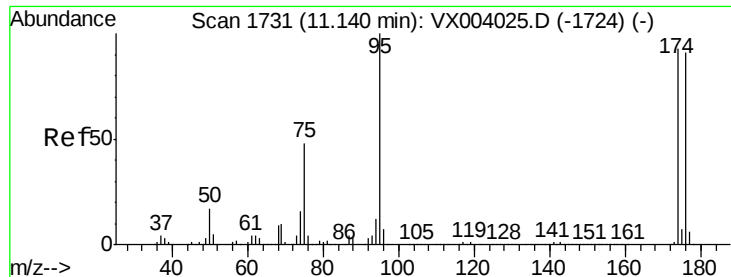
43 100

58 50.0 29.0 87.0



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 49.55 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX004137.D

Acq: 17 Aug 2018 17:29

Instrument :

MSVOA_X

ClientSampleId :

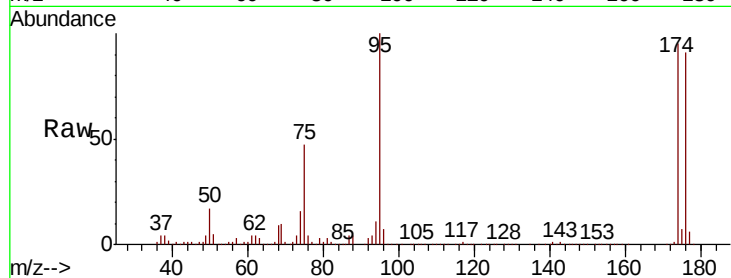
Tot Ion: 95 Resp: 218156

Ion Ratio Lower Upper

95 100

174 89.6 0.0 182.8

176 86.4 0.0 179.0



Abundance Ion 94.90 (94.60 to 95.60): VX004137.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX004137.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX004137.D (-1682) (-)

11.14

200000

150000

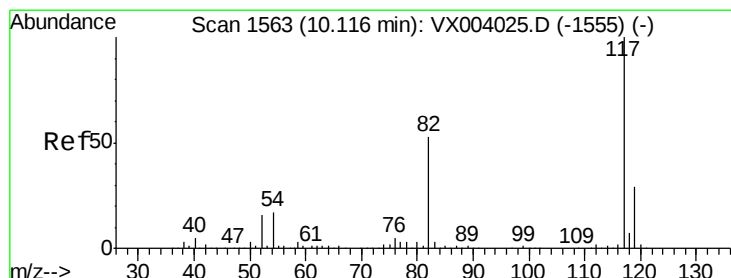
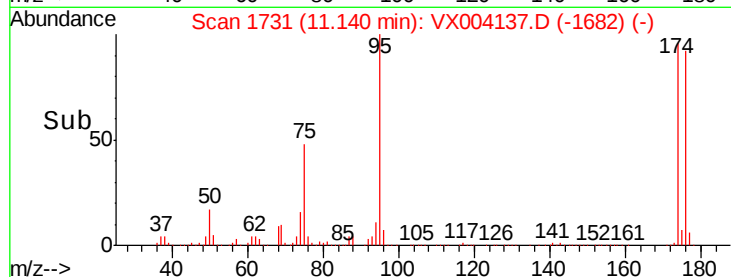
100000

50000

0

11.10 11.20

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX004137.D

Acq: 17 Aug 2018 17:29

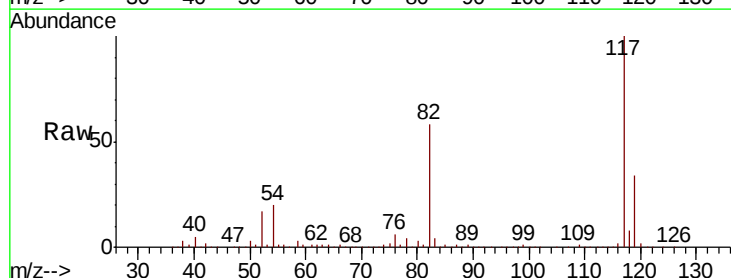
Tgt Ion: 117 Resp: 370576

Ion Ratio Lower Upper

117 100

82 57.6 45.4 68.0

119 33.9 26.6 40.0



Abundance Ion 116.90 (116.60 to 117.60): VX004137.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX004137.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX004137.D (-1514) (-)

10.12

300000

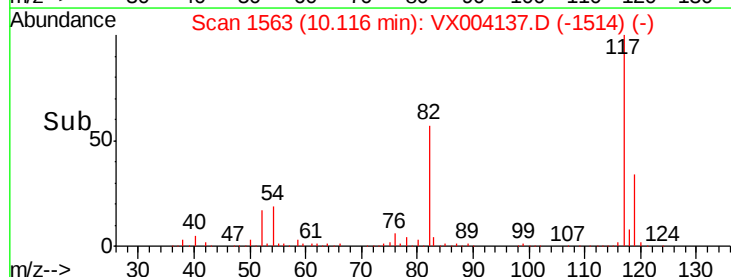
200000

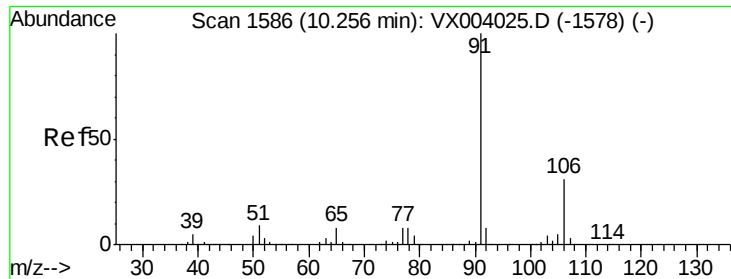
100000

0

10.10 10.20

Time-->

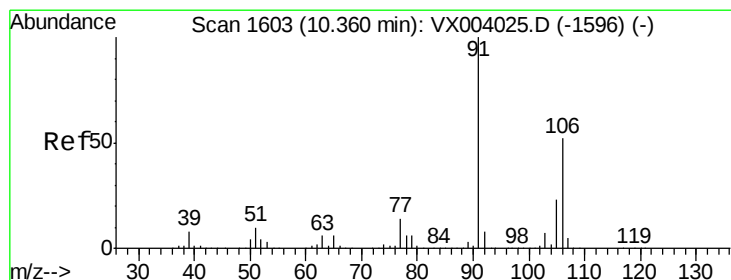
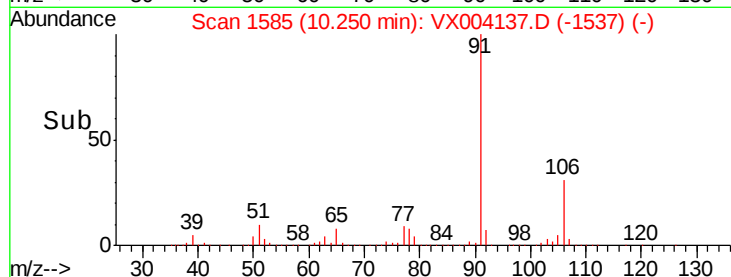
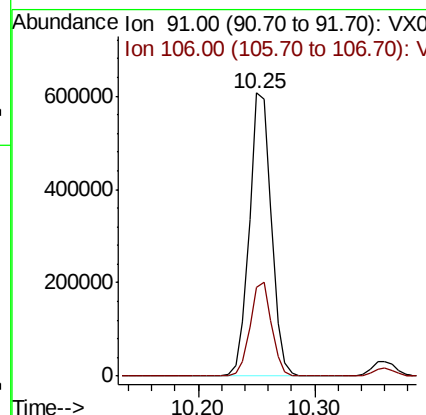
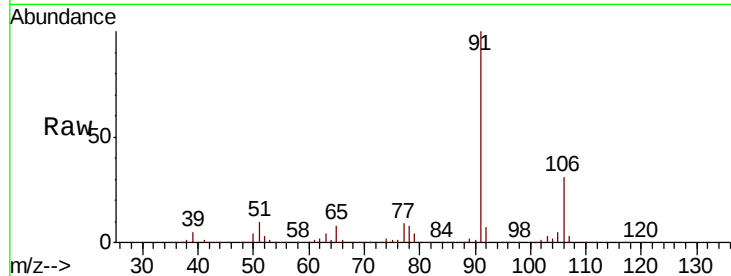




#67
Ethyl Benzene
Concen: 52.86 ug/l
RT: 10.25 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VX004137.D
Acq: 17 Aug 2018 17:29

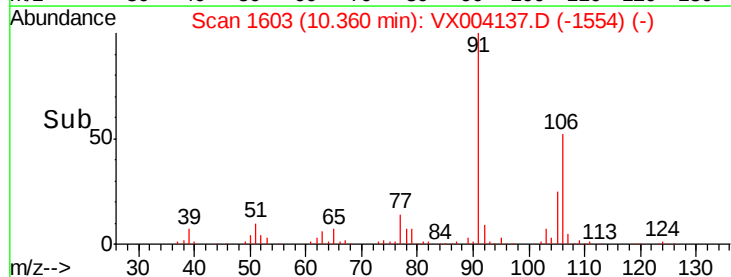
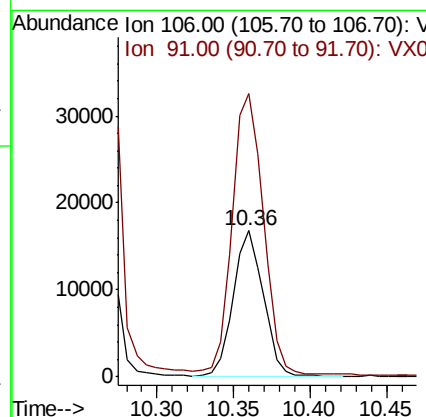
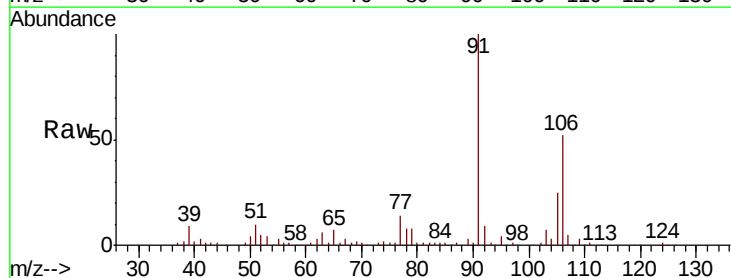
Instrument :
MSVOA_X
ClientSampleId :

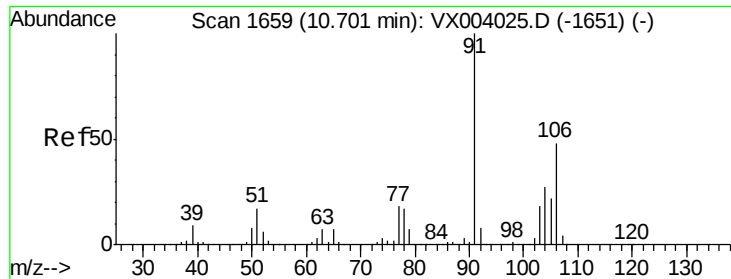
Tot Ion: 91 Resp: 801269
Ion Ratio Lower Upper
91 100
106 31.3 25.9 38.9



#68
m/p-Xylenes
Concen: 3.89 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX004137.D
Acq: 17 Aug 2018 17:29

Tgt Ion: 106 Resp: 23076
Ion Ratio Lower Upper
106 100
91 195.6 162.3 243.5

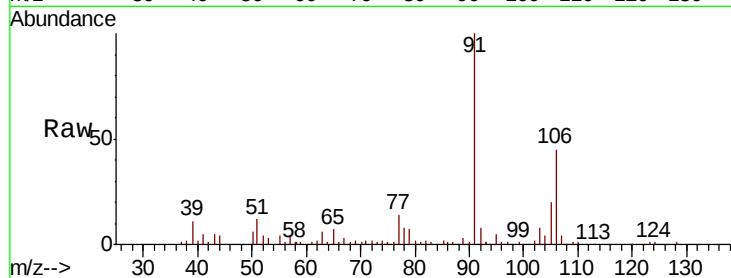




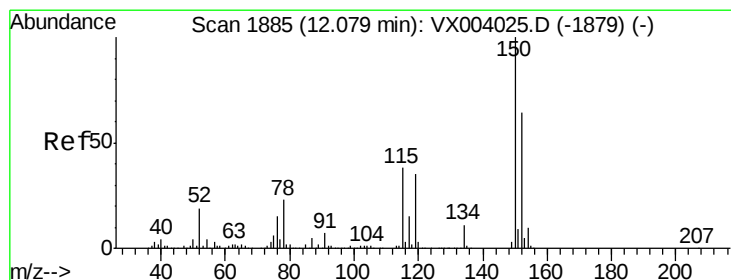
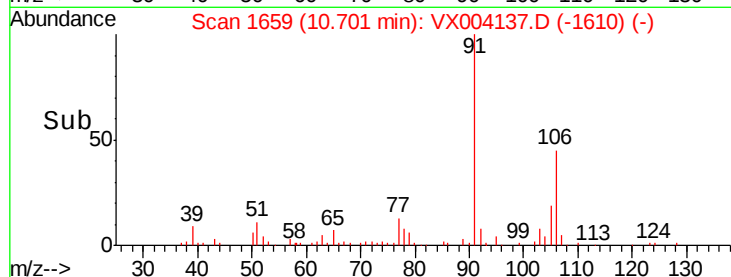
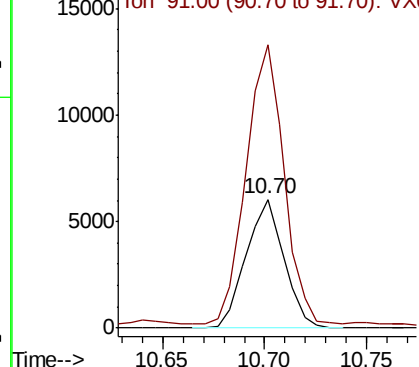
#69
o-Xylene
Concen: 1.37 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX004137.D
Acq: 17 Aug 2018 17:29

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 7786
Ion Ratio Lower Upper
106 100
91 222.3 101.9 305.7

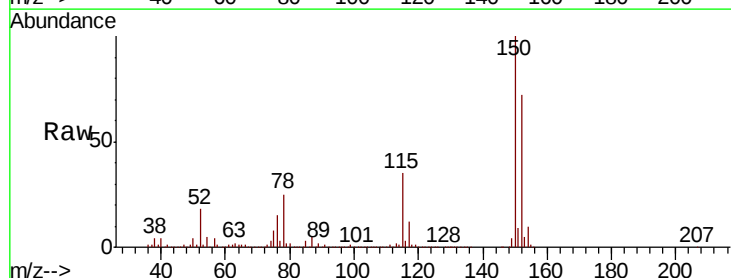


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

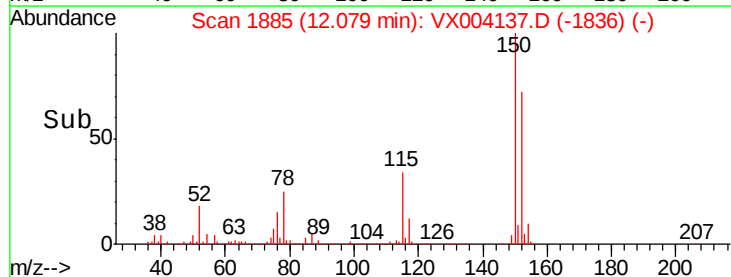
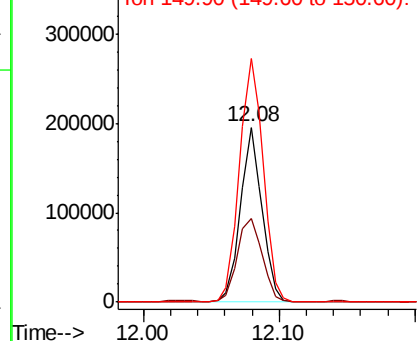


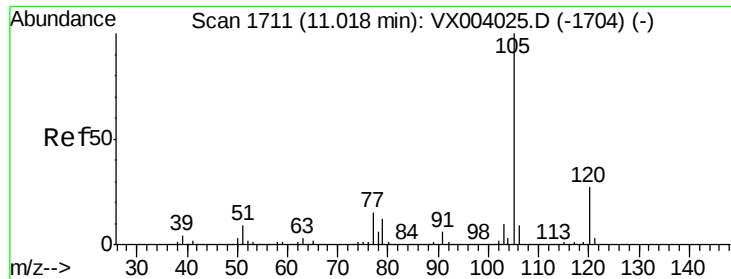
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX004137.D
Acq: 17 Aug 2018 17:29

Tgt Ion:152 Resp: 216006
Ion Ratio Lower Upper
152 100
115 54.9 39.1 117.3
150 153.3 0.0 349.2



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: 11.27 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX004137.D

Acq: 17 Aug 2018 17:29

Instrument :

MSVOA_X

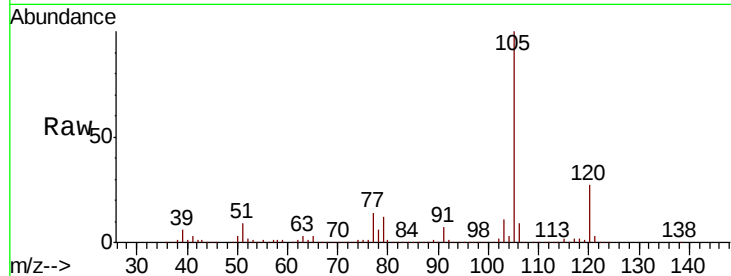
ClientSampleId :

Tot Ion:105 Resp: 164678

Ion Ratio Lower Upper

105 100

120 27.6 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

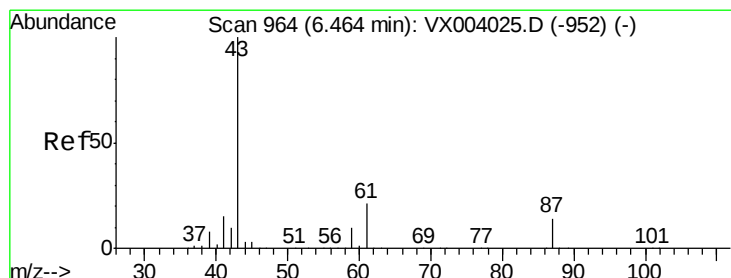
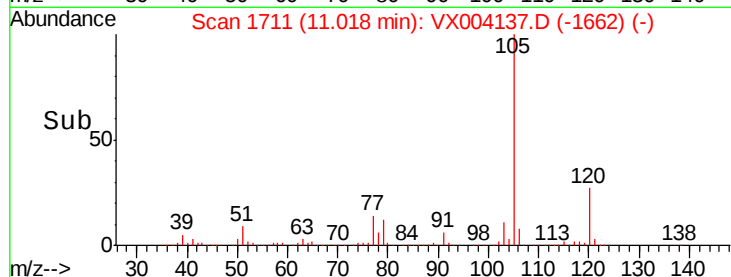
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 0.84 ug/l

RT: 6.45 min Scan# 962

Delta R.T. -0.01 min

Lab File: VX004137.D

Acq: 17 Aug 2018 17:29

Tgt Ion: 43 Resp: 5764

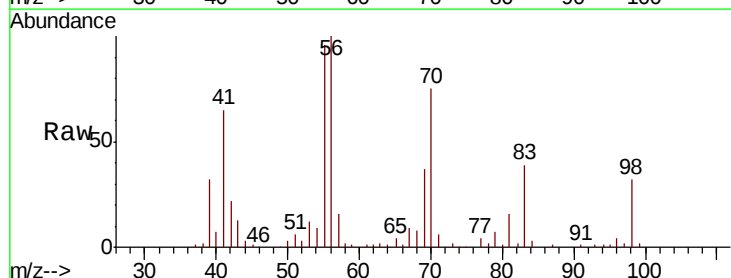
Ion Ratio Lower Upper

43 100

70 668.6 0.0 0.0#

55 837.4 0.1 0.1#

61 2.0 16.9 25.3#



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

30000

25000

20000

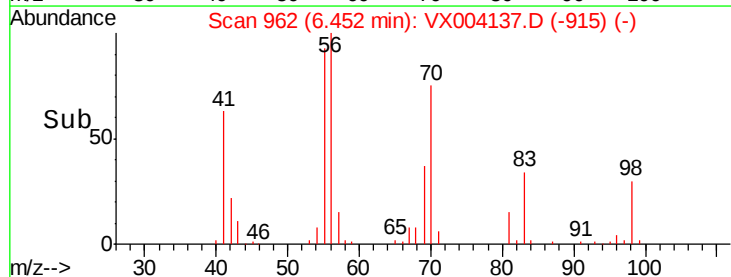
15000

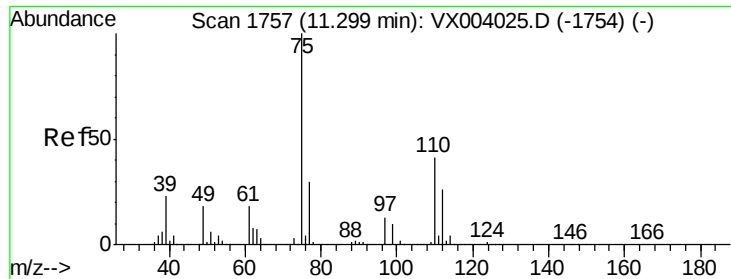
10000

5000

0

Time--> 6.40 6.45 6.50 6.55

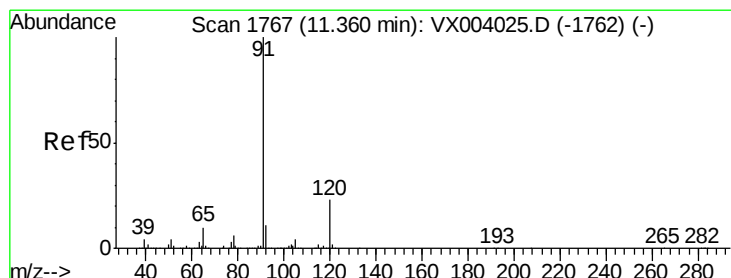
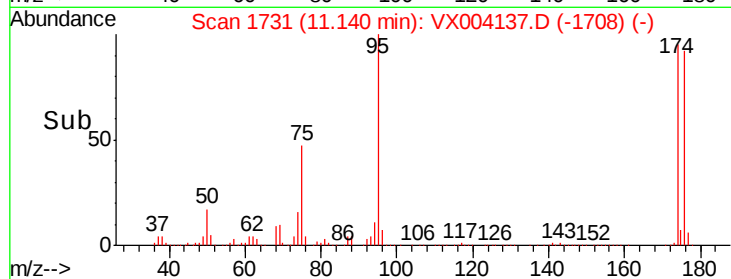
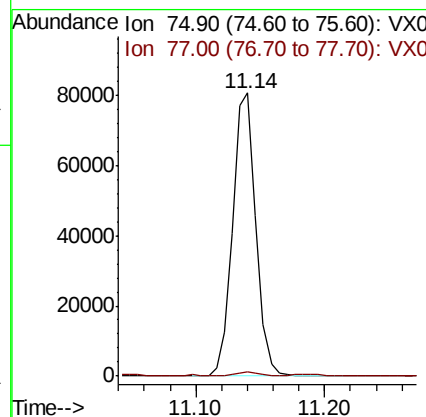
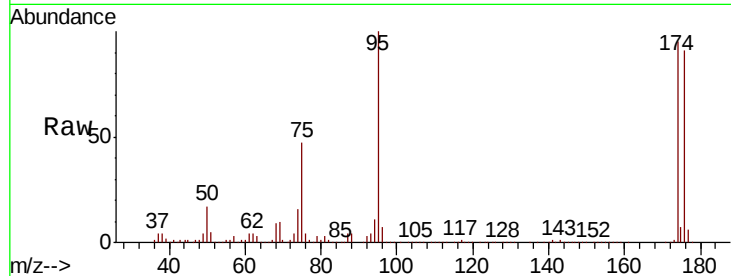




#76
 1,2,3-Trichloropropane
 Concen: 23.57 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX004137.D
 Acq: 17 Aug 2018 17:29

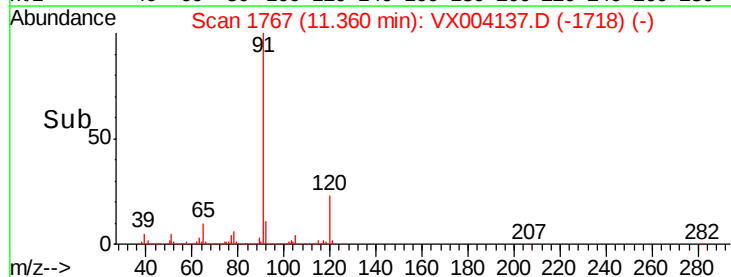
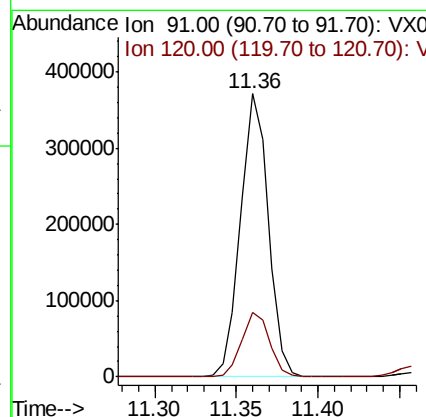
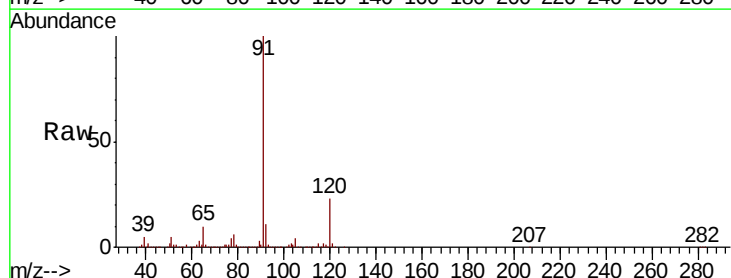
Instrument :
 MSVOA_X
 ClientSampleId :

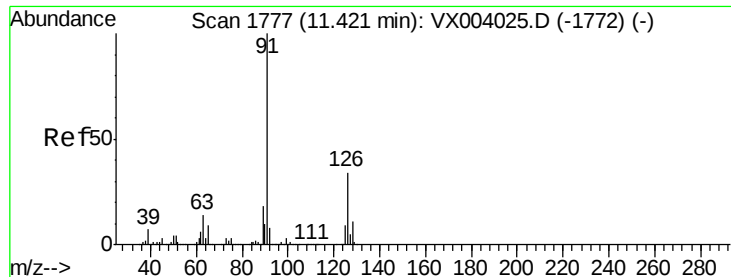
Tot Ion: 75 Resp: 102101
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.8 62.5#



#78
 n-propylbenzene
 Concen: 27.04 ug/l
 RT: 11.36 min Scan# 1767
 Delta R.T. 0.00 min
 Lab File: VX004137.D
 Acq: 17 Aug 2018 17:29

Tgt Ion: 91 Resp: 442330
 Ion Ratio Lower Upper
 91 100
 120 23.0 11.9 35.5





#79

2-Chlorotoluene

Concen: 44.37 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.06 min

Lab File: VX004137.D

Acq: 17 Aug 2018 17:29

Instrument :

MSVOA_X

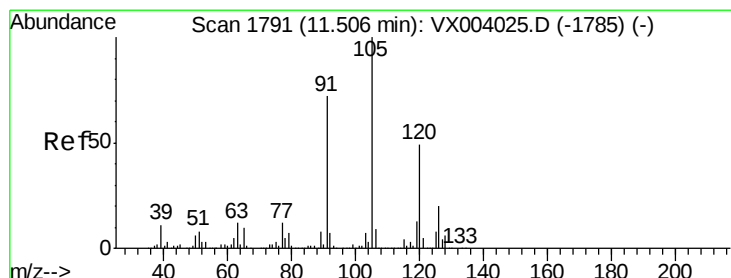
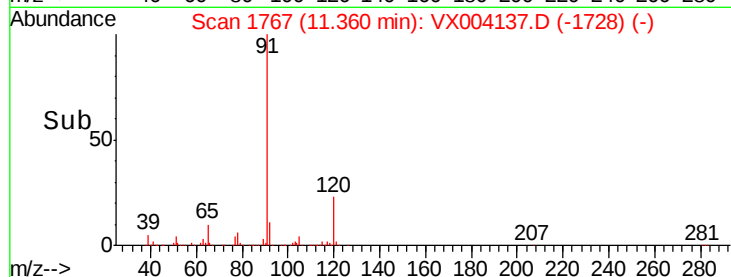
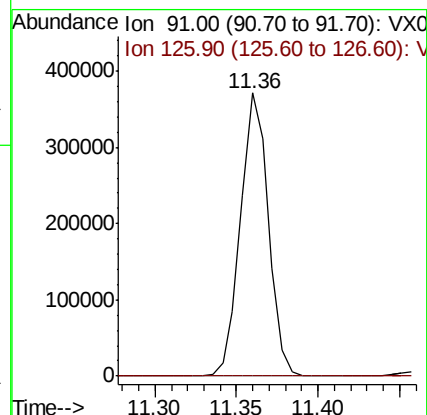
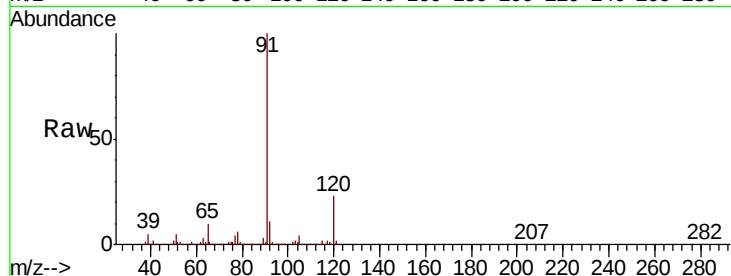
ClientSampleId :

Tot Ion: 91 Resp: 442330

Ion Ratio Lower Upper

91 100

126 0.0 17.4 52.3#



#80

1,3,5-Trimethylbenzene

Concen: 4.68 ug/l

RT: 11.46 min Scan# 1783

Delta R.T. -0.05 min

Lab File: VX004137.D

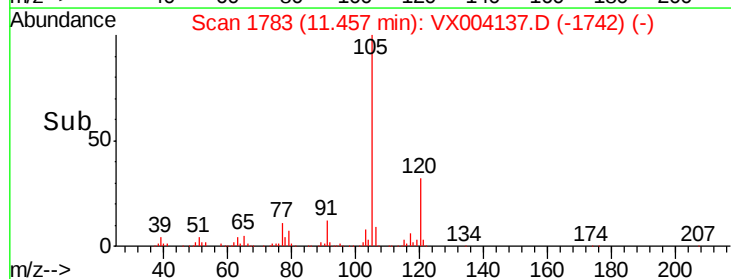
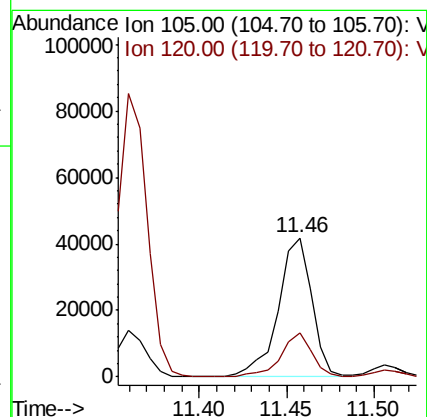
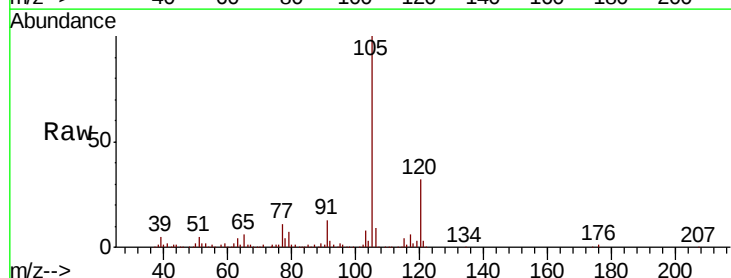
Acq: 17 Aug 2018 17:29

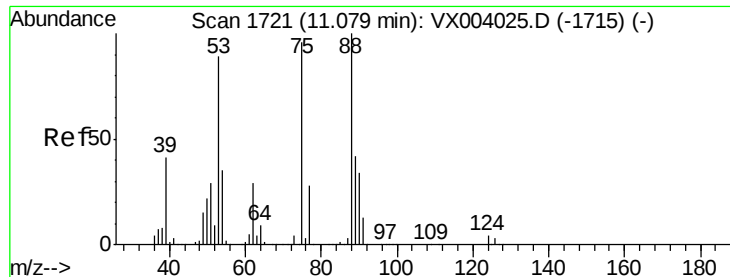
Tgt Ion:105 Resp: 55972

Ion Ratio Lower Upper

105 100

120 29.9 25.4 76.2

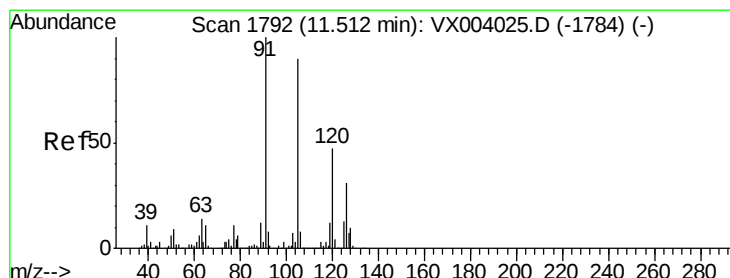
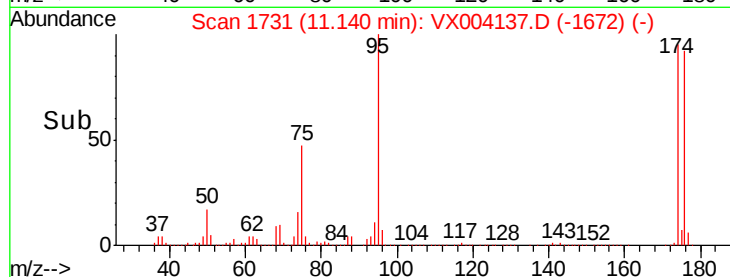
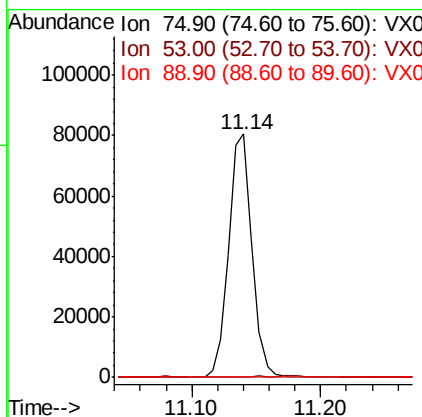
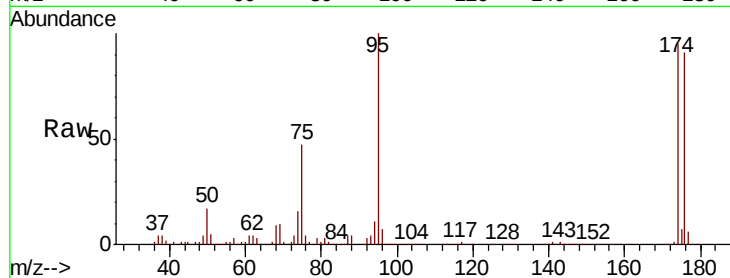




#81
trans-1,4-Dichloro-2-butene
Concen: 72.96 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX004137.D
Acq: 17 Aug 2018 17:29

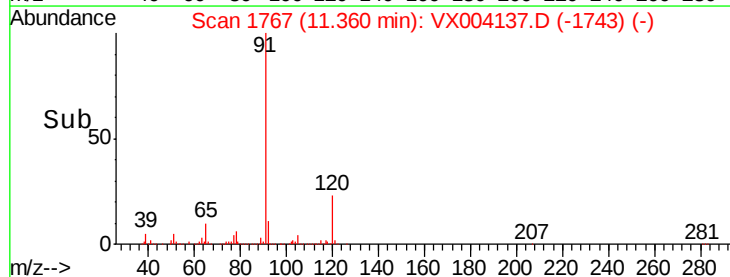
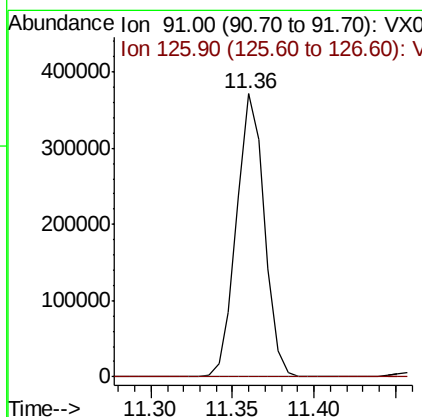
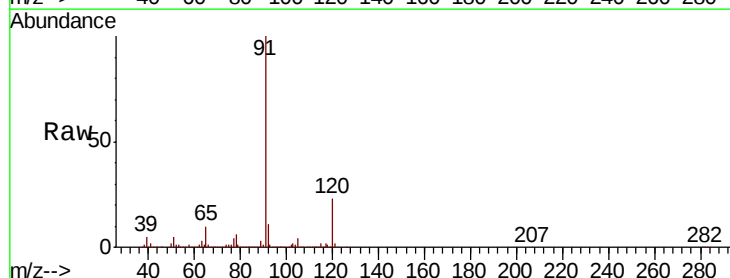
Instrument :
MSVOA_X
ClientSampleId :

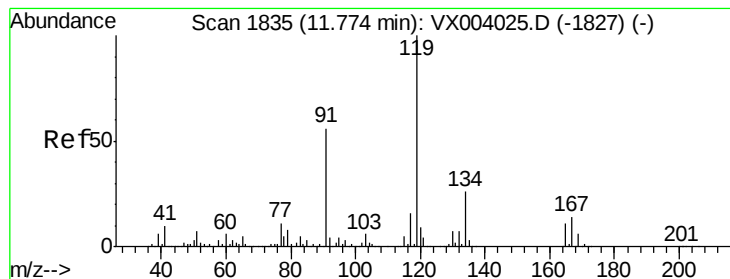
Tot Ion	Ratio	Lower	Upper
75	100		
53	0.4	80.3	120.5#
89	0.0	37.8	56.8#



#82
4-Chlorotoluene
Concen: 37.54 ug/l
RT: 11.36 min Scan# 1767
Delta R.T. -0.15 min
Lab File: VX004137.D
Acq: 17 Aug 2018 17:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	0.0	15.6	46.7#





#83

tert-Butylbenzene

Concen: 0.55 ug/l

RT: 11.77 min Scan# 1834

Delta R.T. -0.01 min

Lab File: VX004137.D

Acq: 17 Aug 2018 17:29

Instrument :

MSVOA_X

ClientSampled :

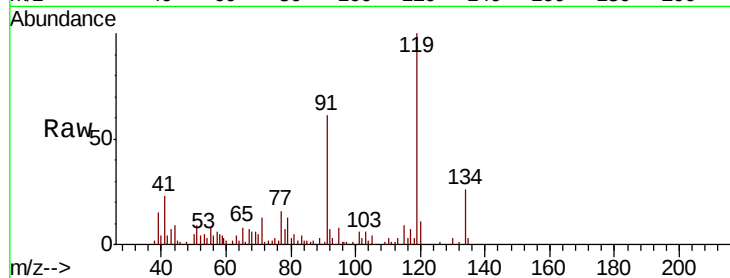
Tot Ion:119 Resp: 6666

Ion Ratio Lower Upper

119 100

91 66.5 26.9 80.7

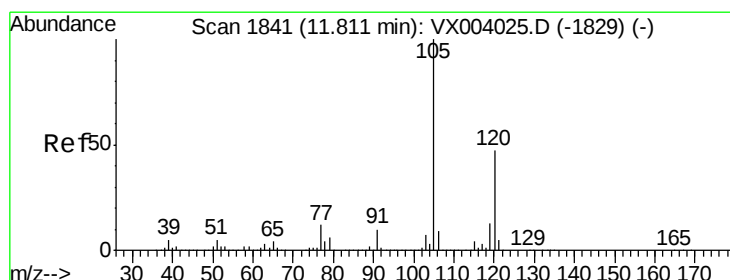
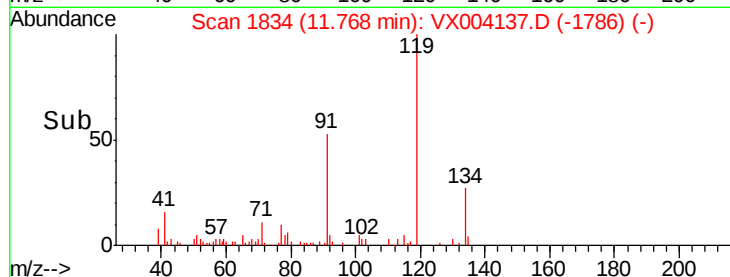
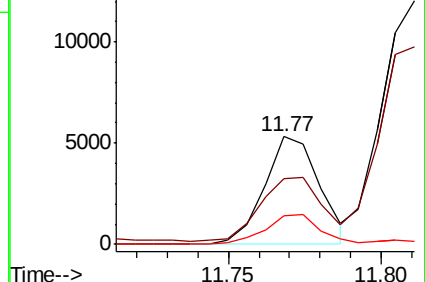
134 28.2 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 9.20 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX004137.D

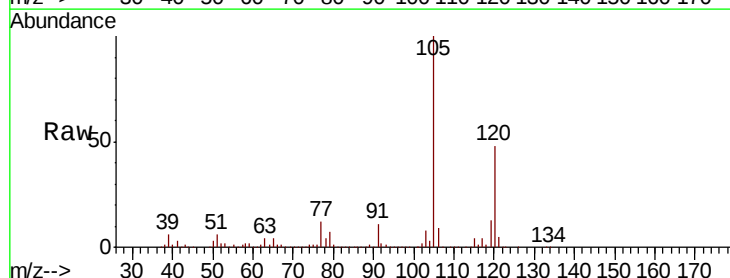
Acq: 17 Aug 2018 17:29

Tgt Ion:105 Resp: 114047

Ion Ratio Lower Upper

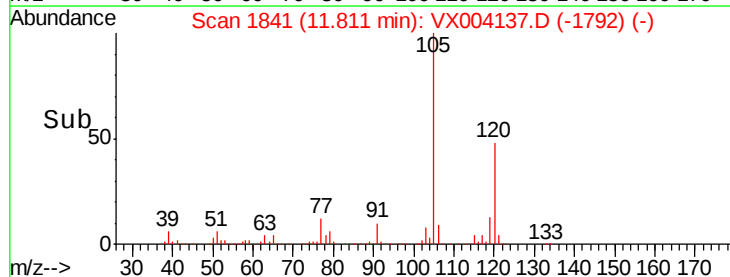
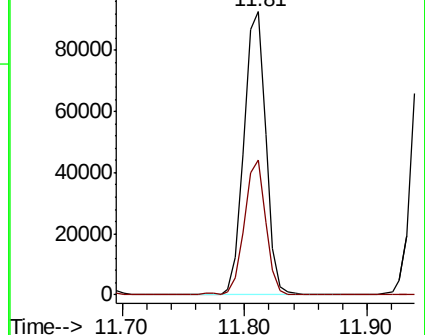
105 100

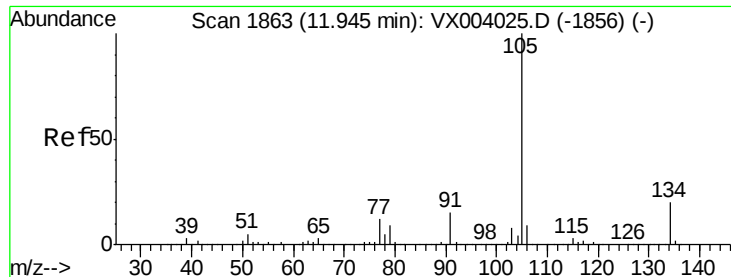
120 47.2 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 9.74 ug/l

RT: 11.95 min Scan# 1863

Delta R.T. 0.00 min

Lab File: VX004137.D

Acq: 17 Aug 2018 17:29

Instrument :

MSVOA_X

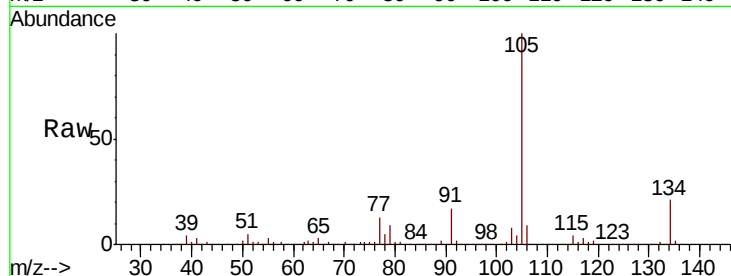
ClientSampleId :

Tot Ion:105 Resp: 137594

Ion Ratio Lower Upper

105 100

134 20.2 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

120000

100000

80000

60000

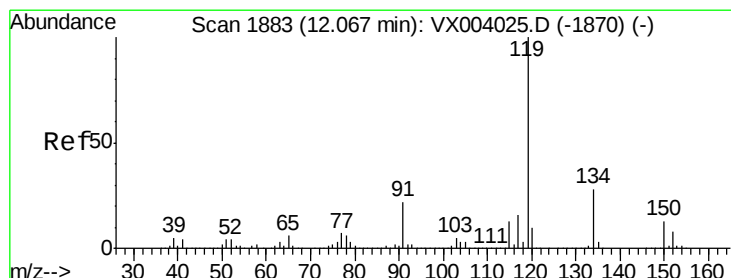
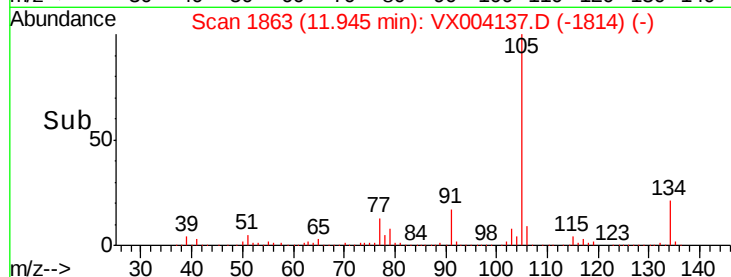
40000

20000

0

11.90 11.95 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 3.21 ug/l

RT: 12.02 min Scan# 1876

Delta R.T. -0.04 min

Lab File: VX004137.D

Acq: 17 Aug 2018 17:29

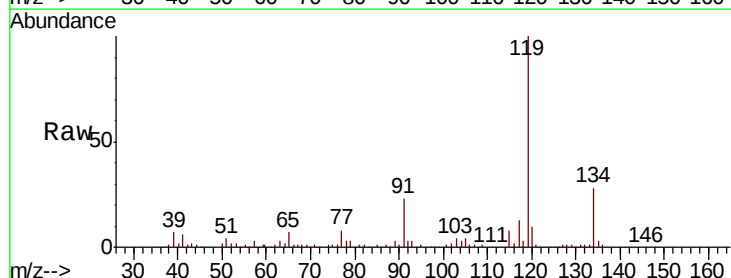
Tgt Ion:119 Resp: 41007

Ion Ratio Lower Upper

119 100

134 28.1 13.3 39.8

91 22.9 10.9 32.7



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

40000

30000

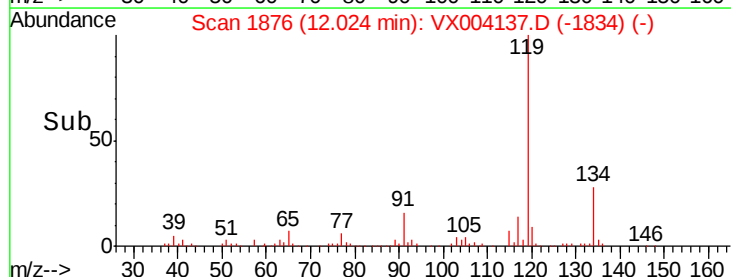
20000

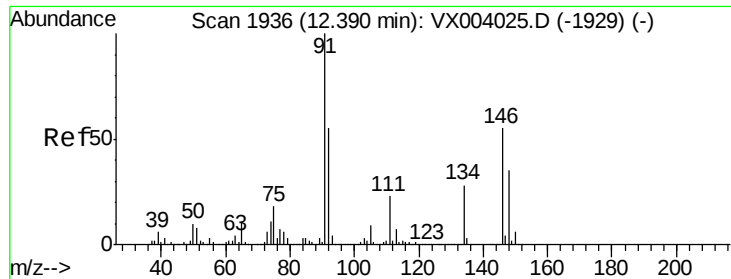
10000

0

12.00 12.05

Time-->

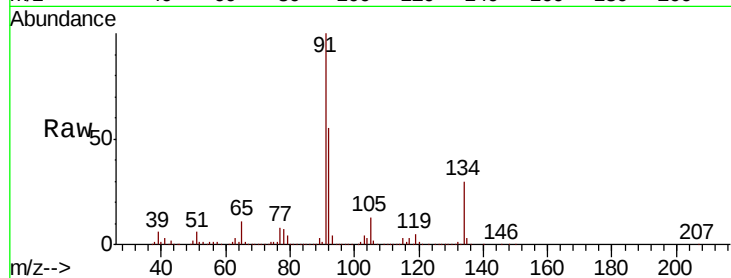




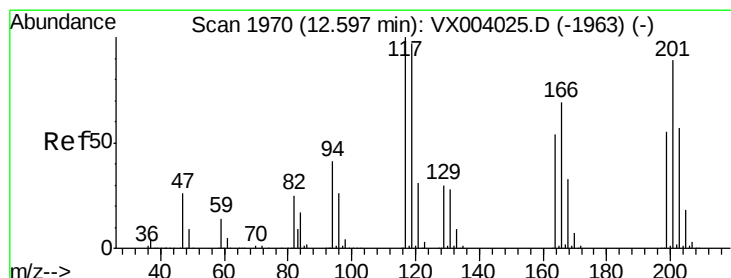
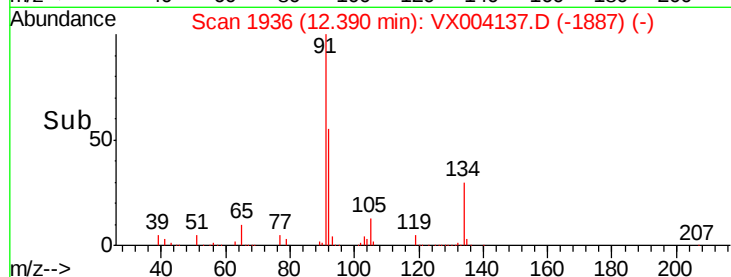
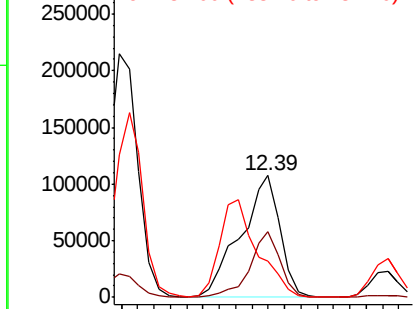
#89
n-Butylbenzene
Concen: 17.94 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX004137.D
Acq: 17 Aug 2018 17:29

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 91 Resp: 180810
Ion Ratio Lower Upper
91 100
92 41.4 27.1 81.3
134 77.0 13.6 40.7#

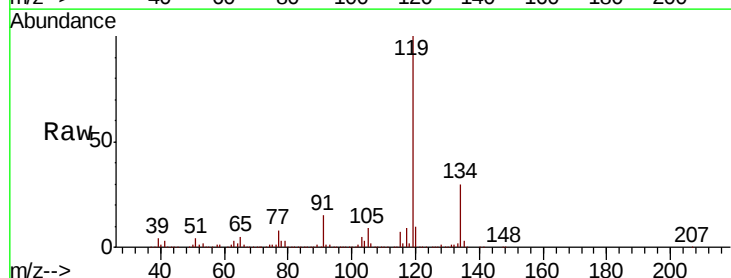


Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0
Ion 134.00 (133.70 to 134.70): V

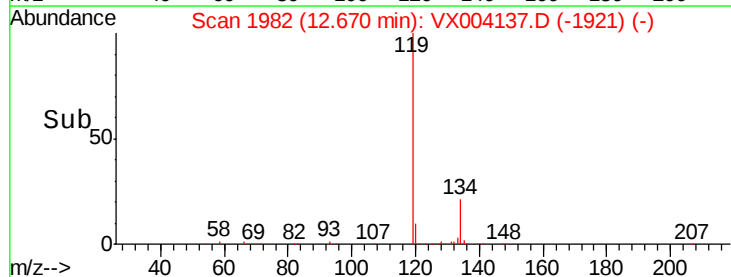
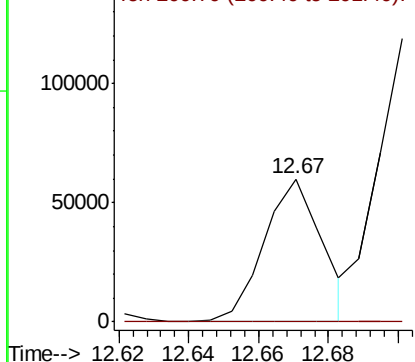


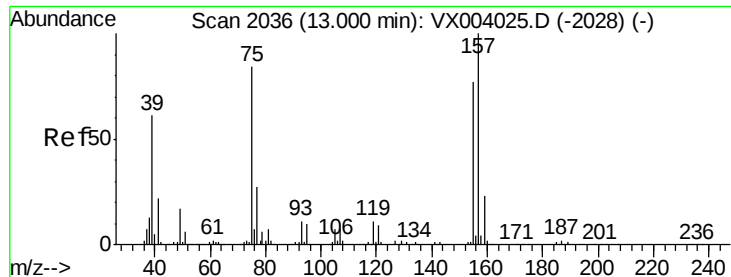
#90
Hexachloroethane
Concen: 35.78 ug/l
RT: 12.67 min Scan# 1982
Delta R.T. 0.07 min
Lab File: VX004137.D
Acq: 17 Aug 2018 17:29

Tgt Ion: 117 Resp: 68452
Ion Ratio Lower Upper
117 100
201 0.0 46.1 138.2#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 6.68 ug/l

RT: 12.98 min Scan# 2033

Delta R.T. -0.02 min

Lab File: VX004137.D

Acq: 17 Aug 2018 17:29

Instrument :

MSVOA_X

ClientSampleId :

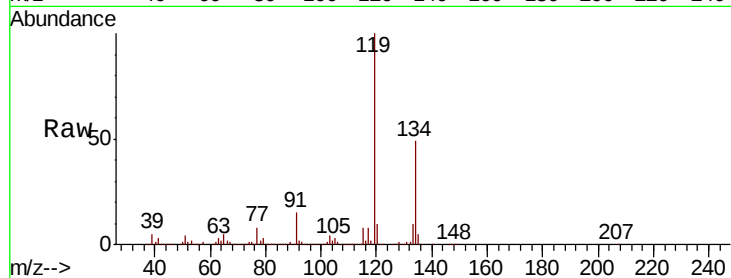
Tot Ion: 75 Resp: 5993

Ion Ratio Lower Upper

75 100

155 0.0 48.7 146.1#

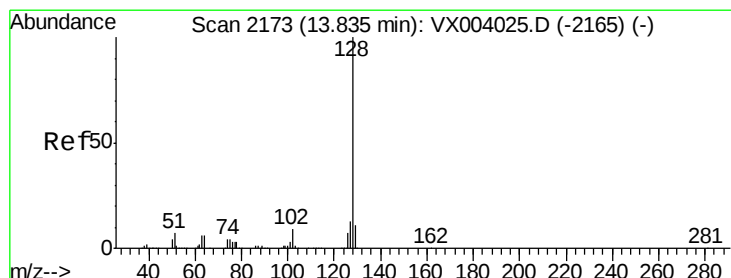
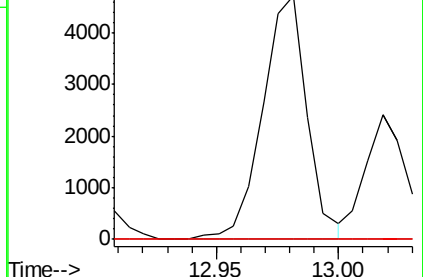
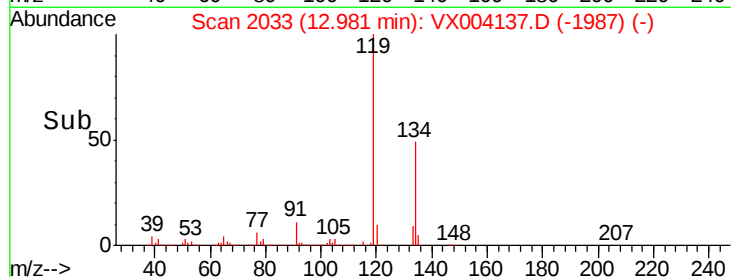
157 0.0 62.6 187.8#



Abundance Ion 74.90 (74.60 to 75.60): VX004137.D (-1987) (-)

Ion 154.80 (154.50 to 155.50): VX004137.D (-1987) (-)

Ion 156.80 (156.50 to 157.50): VX004137.D (-1987) (-)



#95

Naphthalene

Concen: 7.34 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX004137.D

Acq: 17 Aug 2018 17:29

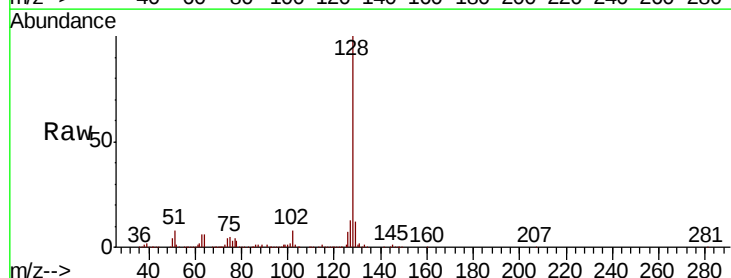
Tgt Ion: 128 Resp: 95691

Ion Ratio Lower Upper

128 100

127 13.7 10.2 15.2

129 14.4 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): VX004137.D (-2124) (-)

Ion 127.00 (126.70 to 127.70): VX004137.D (-2124) (-)

Ion 129.00 (128.70 to 129.70): VX004137.D (-2124) (-)

