

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111518\
 Data File : VX006028.D
 Acq On : 15 Nov 2018 18:53
 Operator : JC/MD
 Sample : J5915-09
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 16 00:19:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	152563	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	218379	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	176895	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	97815	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	82292	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	
35) Dibromofluoromethane	5.51	113	62654	42.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.36%	
50) Toluene-d8	8.72	98	252085	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
62) 4-Bromofluorobenzene	11.14	95	93522	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	

Target Compounds

					Qvalue	
5) Bromomethane	1.64	94	498	0.449	ug/l	85
11) Tert butyl alcohol	3.12	59	219	0.436	ug/l #	1
13) Acrolein	2.33	56	4177	35.263	ug/l #	74
14) Allyl chloride	2.79	41	20315	6.745	ug/l #	64
15) Acrylonitrile	3.13	53	5076	4.875	ug/l #	39
16) Acetone	2.50	43	1164	1.233	ug/l #	67
18) Methyl Acetate	2.79	43	52907	20.016	ug/l #	55
20) Methylene Chloride	2.84	84	1000	0.645	ug/l #	1
23) Vinyl Acetate	3.78	43	1353	0.299	ug/l #	74
26) 2,2-Dichloropropane	4.35	77	837	0.405	ug/l #	53
29) Tetrahydrofuran	5.20	42	1782	1.869	ug/l #	1
30) Chloroform	5.24	83	13468	4.959	ug/l #	60
31) Cyclohexane	5.58	56	181457	74.265	ug/l #	45
36) 1,1-Dichloropropene	5.65	75	10356	4.919	ug/l #	49
38) Carbon Tetrachloride	5.66	117	13481	6.396	ug/l #	15
39) Methylcyclohexane	7.45	83	233154	109.272	ug/l	93
40) Benzene	6.14	78	90529	14.751	ug/l	99
41) Methacrylonitrile	5.03	41	3178	2.124	ug/l #	48
42) 1,2-Dichloroethane	6.24	62	472	0.215	ug/l #	1
43) Isopropyl Acetate	6.33	43	531248	132.432	ug/l #	63
45) 1,2-Dichloropropane	7.57	63	967	0.649	ug/l #	1
46) Dibromomethane	7.63	93	723	0.773	ug/l #	1
47) Bromodichloromethane	7.84	83	7954	4.503	ug/l #	1
48) Methyl methacrylate	7.73	41	48120	26.715	ug/l #	46
51) 4-Methyl-2-Pentanone	8.68	43	113793	45.010	ug/l #	81
52) Toluene	8.79	92	5188380	1512.640	ug/l	92
53) t-1,3-Dichloropropene	8.79	75	61895	29.690	ug/l #	1
55) 1,1,2-Trichloroethane	9.16	97	100677	65.859	ug/l #	15
56) Ethyl methacrylate	9.16	69	29397	12.852	ug/l #	40
58) 2-Chloroethyl Vinyl ether	8.34	63	1695	9.593	ug/l #	48
59) 2-Hexanone	9.55	43	173513	77.862	ug/l #	46
61) 1,2-Dibromoethane	9.66	107	503	0.298	ug/l #	1
65) Chlorobenzene	10.07	112	2978	0.840	ug/l #	60
67) Ethyl Benzene	10.26	91	5673502	998.412	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

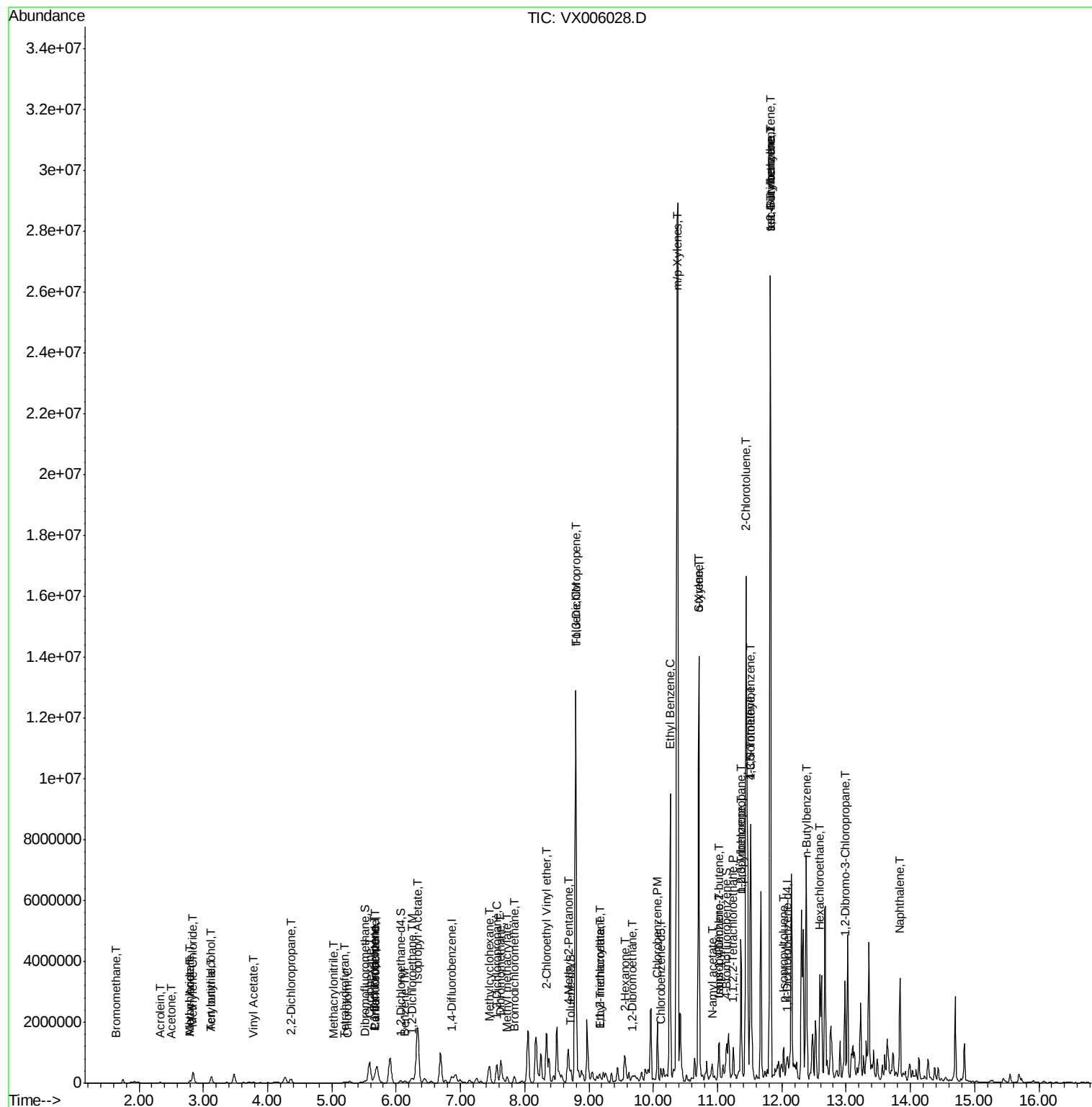
68) m/p-Xylenes	10.38	106	8231812	3797.776	uq/l	79
69) o-Xylene	10.71	106	3126025	1608.345	uq/l	93
70) Styrene	10.71	104	157227	49.037	uq/l #	1
73) Isopropylbenzene	11.02	105	621784	109.923	uq/l	100
74) N-amyl acetate	10.91	43	66056	21.543	uq/l #	1
75) 1,1,2,2-Tetrachloroethane	11.25	83	22482	10.828	uq/l #	86
76) 1,2,3-Trichloropropane	11.37	75	17128	8.600	uq/l #	1
78) n-propylbenzene	11.37	91	2938413	440.780	uq/l	99
79) 2-Chlorotoluene	11.44	91	1551598	385.068	uq/l #	40
80) 1,3,5-Trimethylbenzene	11.51	105	3480911	724.152	uq/l	97
81) trans-1,4-Dichloro-2-buten	11.02	75	7104	11.368	uq/l #	13
82) 4-Chlorotoluene	11.51	91	370760	78.074	uq/l #	45
83) tert-Butylbenzene	11.82	119	1690150	347.554	uq/l #	61
84) 1,2,4-Trimethylbenzene	11.82	105	11173962	2111.327	uq/l	88
85) sec-Butylbenzene	11.82	105	11173962	1879.011	uq/l #	56
86) p-Isopropyltoluene	12.03	119	410046	77.845	uq/l	96
89) n-Butylbenzene	12.39	91	1103365	226.010	uq/l #	28
90) Hexachloroethane	12.59	117	143875	163.599	uq/l #	2
92) 1,2-Dibromo-3-Chloropropan	12.98	75	9596	18.940	uq/l #	5
95) Naphthalene	13.84	128	2095039	291.876	uq/l	99

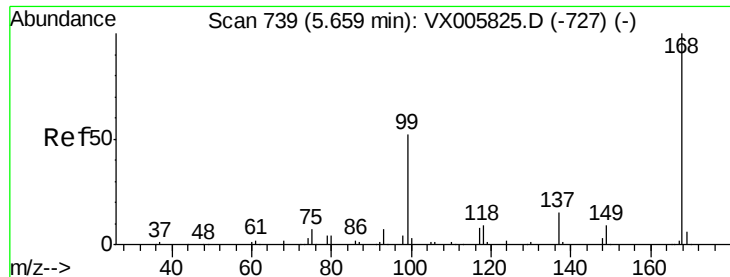
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX006028.D

Acq: 15 Nov 2018 18:53

Instrument :

MSVOA_X

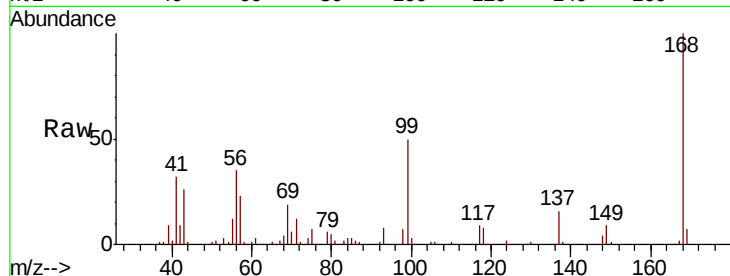
ClientSampled :

Tot Ion:168 Resp: 152563

Ion Ratio Lower Upper

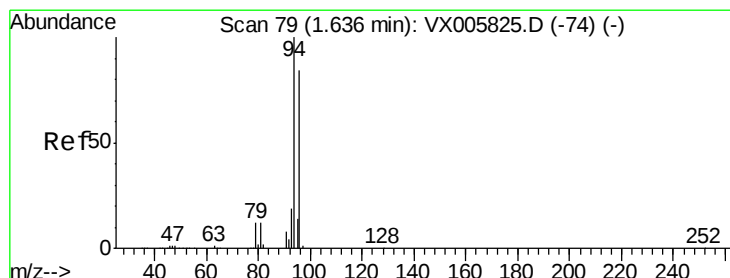
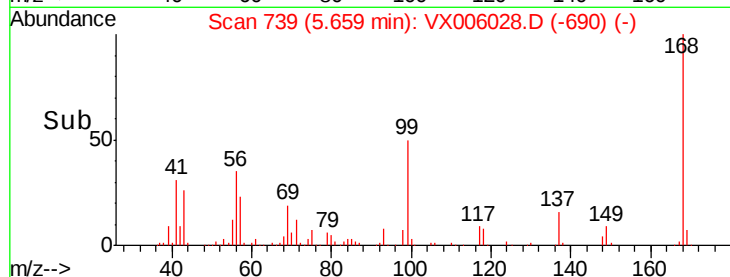
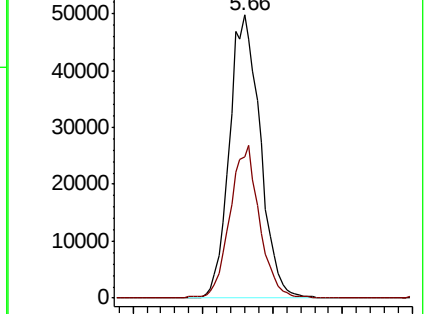
168 100

99 50.0 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.449 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX006028.D

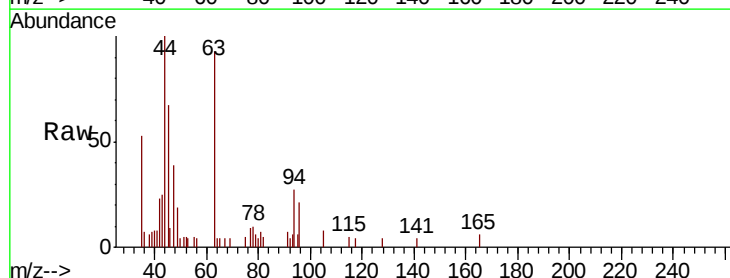
Acq: 15 Nov 2018 18:53

Tgt Ion: 94 Resp: 498

Ion Ratio Lower Upper

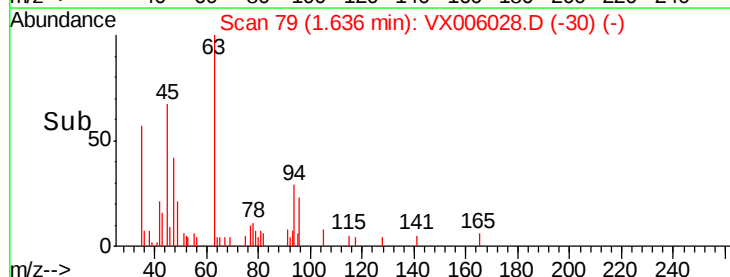
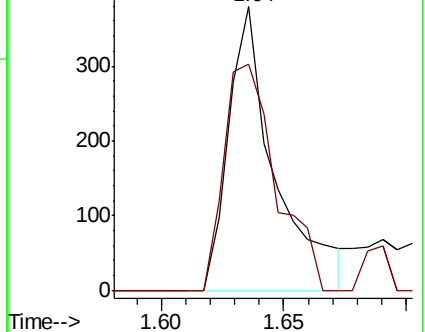
94 100

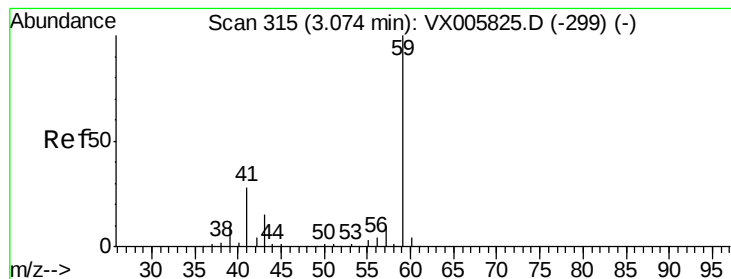
96 79.7 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



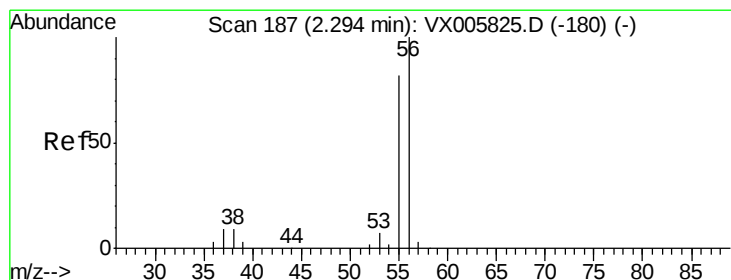
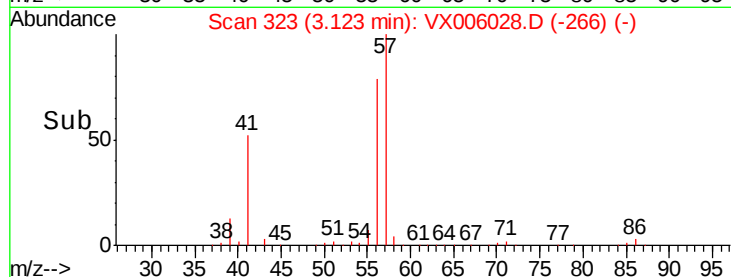
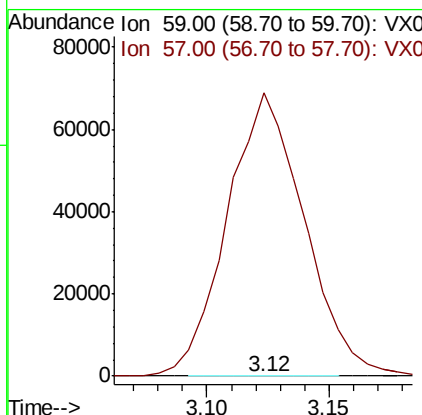
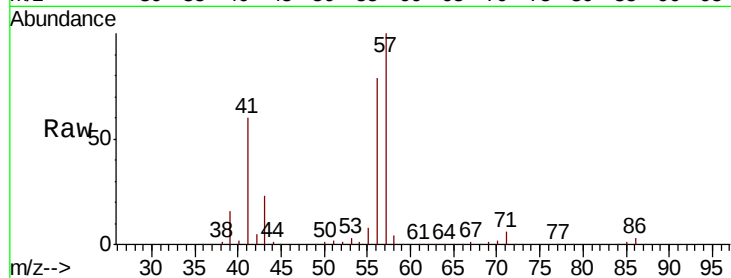


#11

Tert butyl alcohol
 Concen: 0.436 ug/l
 RT: 3.12 min Scan# 323
 Delta R.T. 0.05 min
 Lab File: VX006028.D
 Acq: 15 Nov 2018 18:53

Instrument :
 MSVOA_X
 ClientSampled :

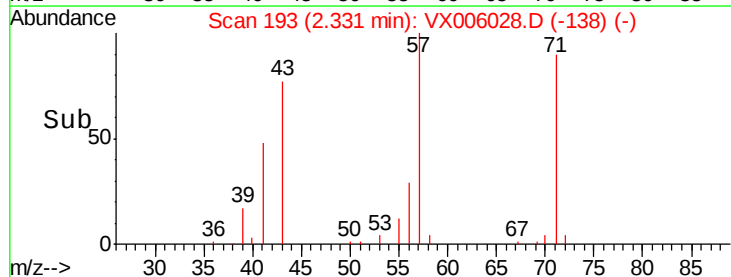
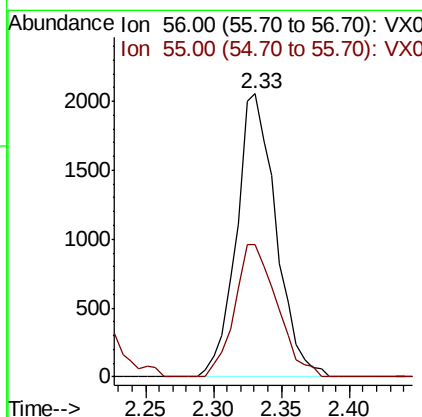
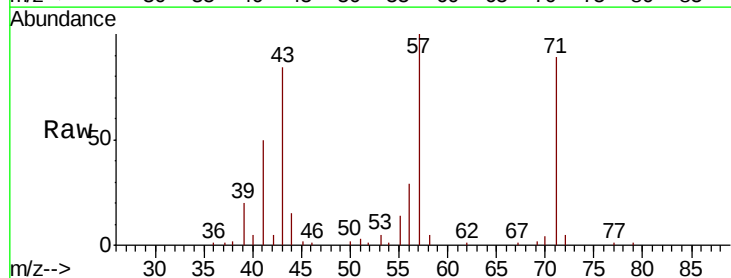
Tot Ion: 59 Resp: 219
 Ion Ratio Lower Upper
 59 100
 57 69498.2 8.5 12.7#

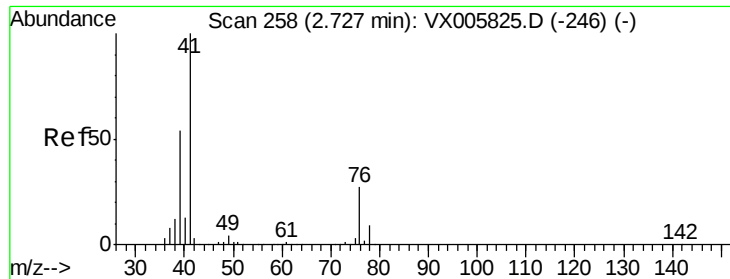


#13

Acrolein
 Concen: 35.263 ug/l
 RT: 2.33 min Scan# 193
 Delta R.T. 0.04 min
 Lab File: VX006028.D
 Acq: 15 Nov 2018 18:53

Tgt Ion: 56 Resp: 4177
 Ion Ratio Lower Upper
 56 100
 55 50.2 57.3 85.9#

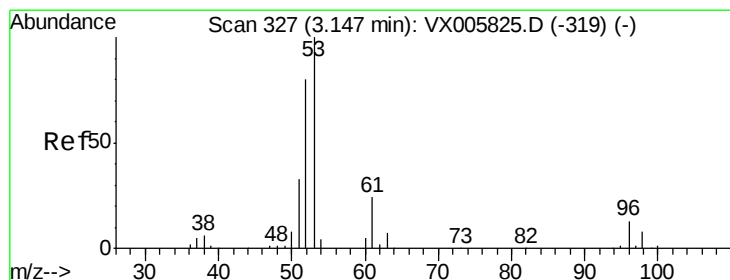
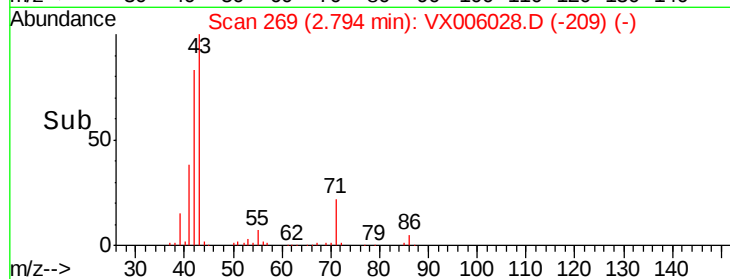
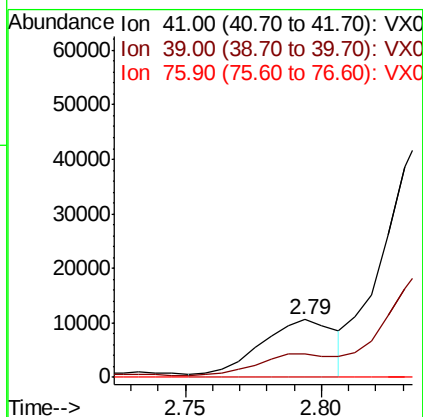
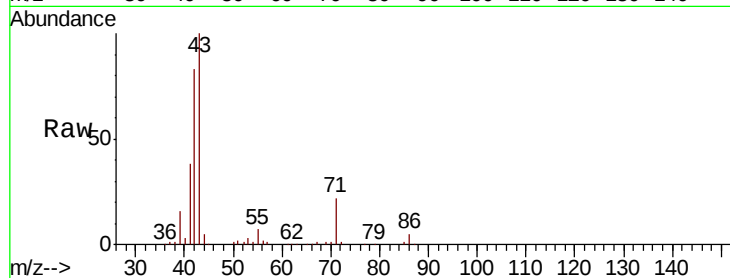




#14
Allvl chloride
Concen: 6.745 ug/l
RT: 2.79 min Scan# 269
Delta R.T. 0.07 min
Lab File: VX006028.D
Acq: 15 Nov 2018 18:53

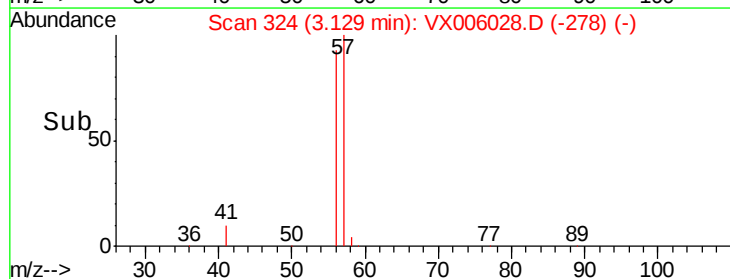
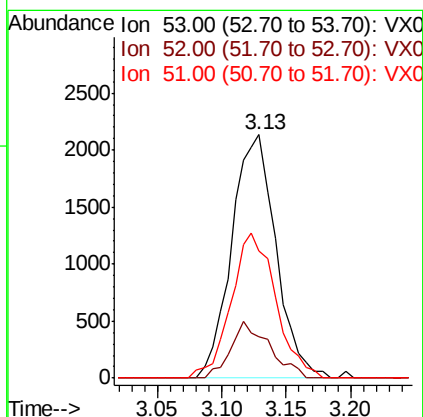
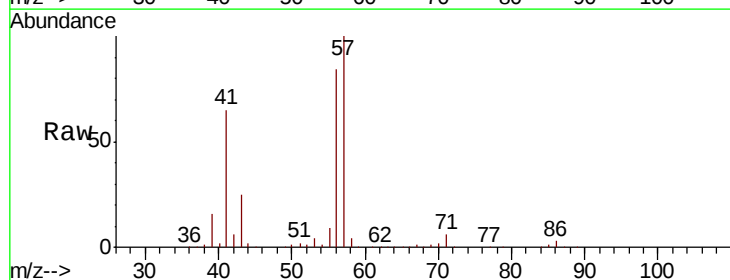
Instrument :
MSVOA_X
ClientSampleId :

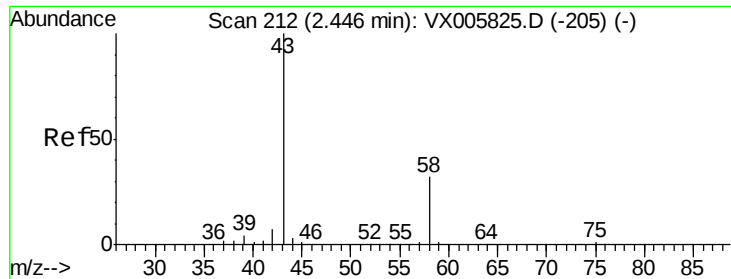
Tot Ion: 41 Resp: 20315
Ion Ratio Lower Upper
41 100
39 38.6 48.2 72.4#
76 0.0 21.9 32.9#



#15
Acrylonitrile
Concen: 4.875 ug/l
RT: 3.13 min Scan# 324
Delta R.T. -0.02 min
Lab File: VX006028.D
Acq: 15 Nov 2018 18:53

Tgt Ion: 53 Resp: 5076
Ion Ratio Lower Upper
53 100
52 20.4 66.6 99.8#
51 60.1 28.4 42.6#





#16

Acetone

Concen: 1.233 ug/l

RT: 2.50 min Scan# 221

Delta R.T. 0.05 min

Lab File: VX006028.D

Acq: 15 Nov 2018 18:53

Instrument :

MSVOA_X

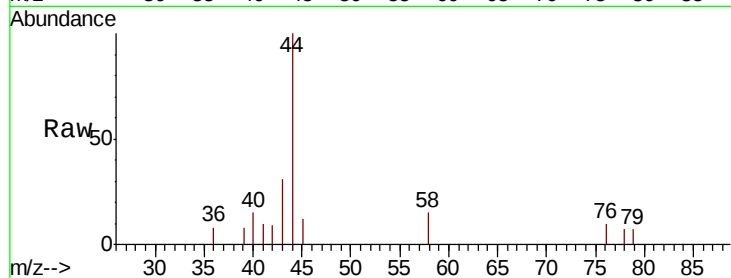
ClientSampled :

Tot Ion: 43 Resp: 1164

Ion Ratio Lower Upper

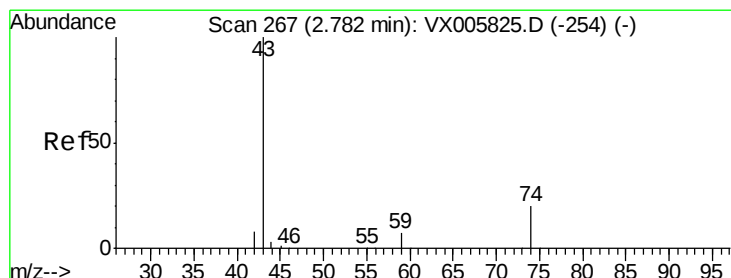
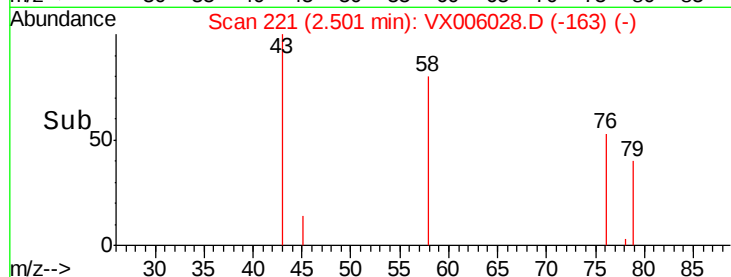
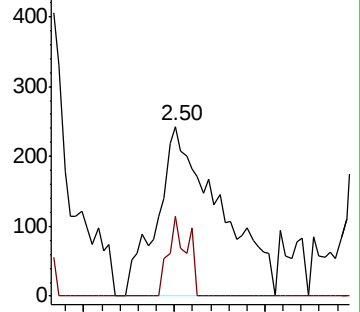
43 100

58 47.3 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 20.016 ug/l

RT: 2.79 min Scan# 269

Delta R.T. 0.01 min

Lab File: VX006028.D

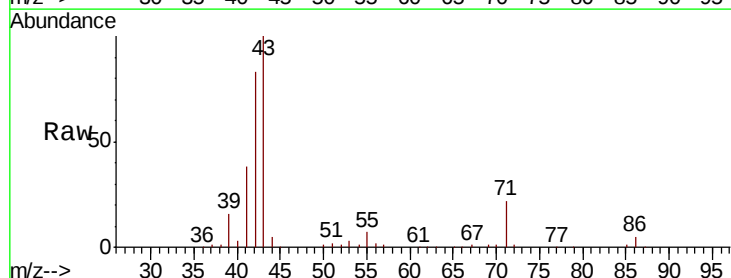
Acq: 15 Nov 2018 18:53

Tgt Ion: 43 Resp: 52907

Ion Ratio Lower Upper

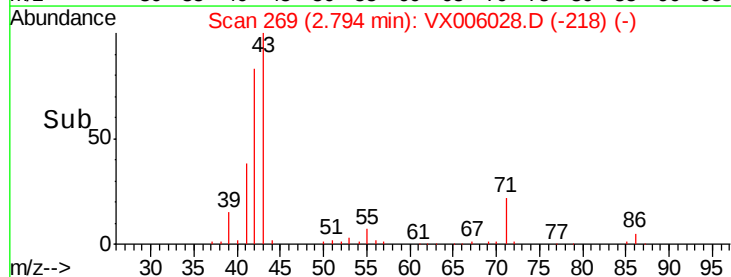
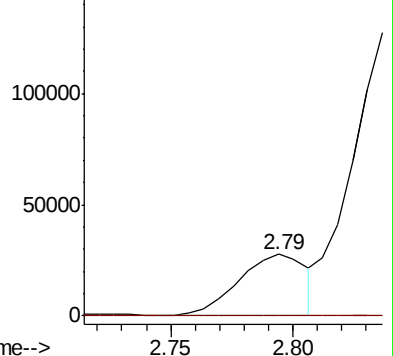
43 100

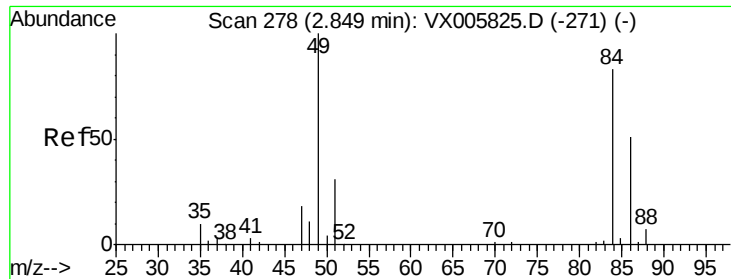
74 0.1 16.8 25.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

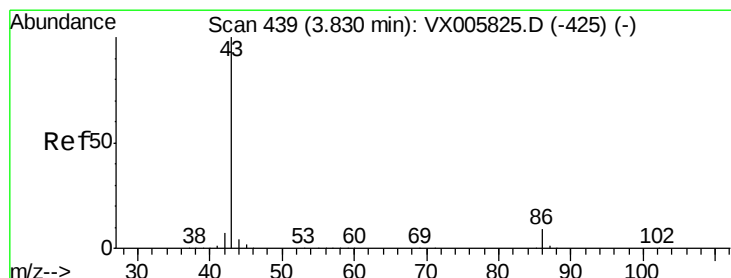
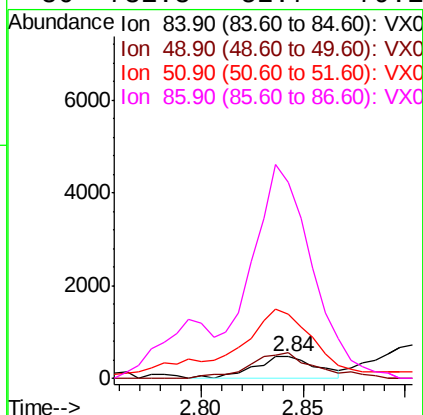
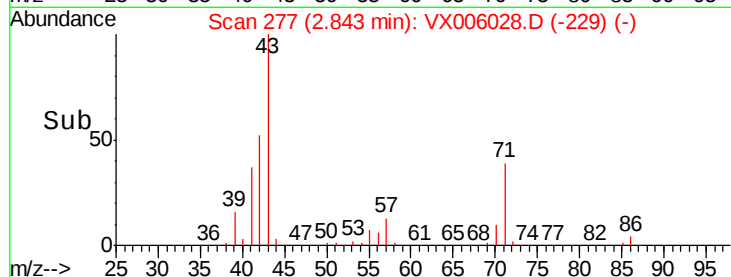
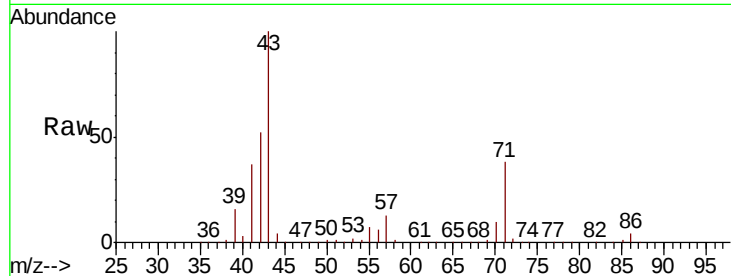




#20
Methvlene Chloride
Concen: 0.645 ug/l
RT: 2.84 min Scan# 277
Delta R.T. -0.01 min
Lab File: VX006028.D
Acq: 15 Nov 2018 18:53

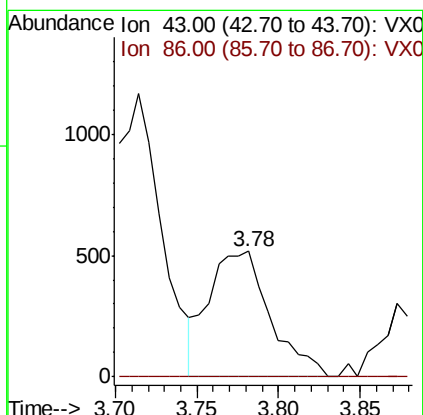
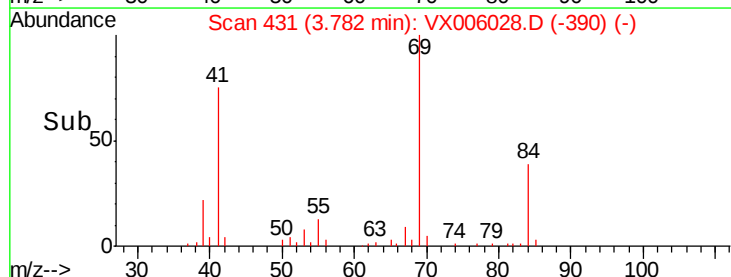
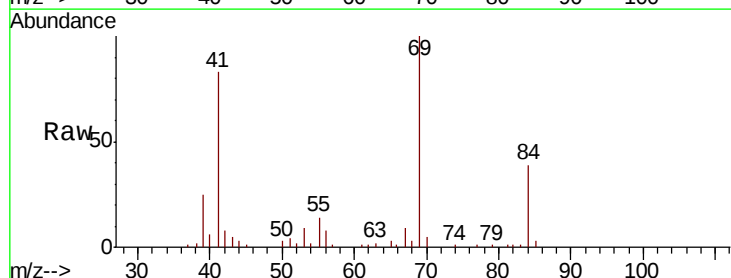
Instrument :
MSVOA_X
ClientSampleId :

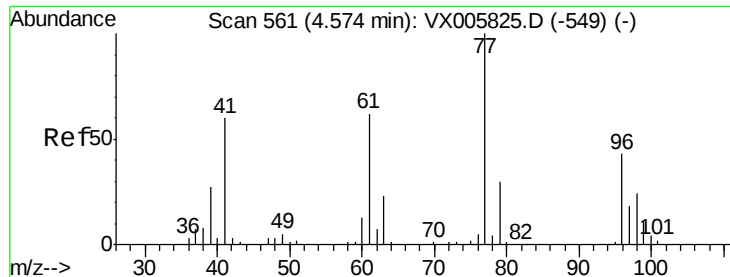
Tot Ion: 84 Resp: 1000
Ion Ratio Lower Upper
84 100
49 118.1 109.5 164.3
51 243.1 33.3 49.9#
86 731.8 52.7 79.1#



#23
Vinyl Acetate
Concen: 0.299 ug/l
RT: 3.78 min Scan# 431
Delta R.T. -0.05 min
Lab File: VX006028.D
Acq: 15 Nov 2018 18:53

Tgt Ion: 43 Resp: 1353
Ion Ratio Lower Upper
43 100
86 0.0 7.4 11.2#





#26

2,2-Dichloropropane

Concen: 0.405 ug/l

RT: 4.35 min Scan# 525

Delta R.T. -0.22 min

Lab File: VX006028.D

Acq: 15 Nov 2018 18:53

Instrument :

MSVOA_X

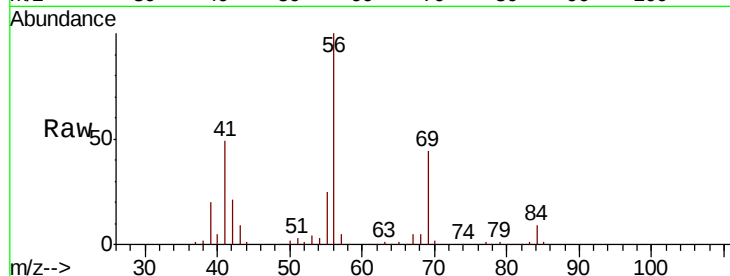
ClientSampleId :

Tot Ion: 77 Resp: 837

Ion Ratio Lower Upper

77 100

97 0.0 11.5 34.5#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.35

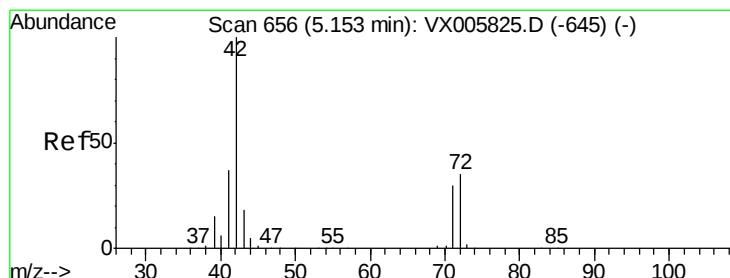
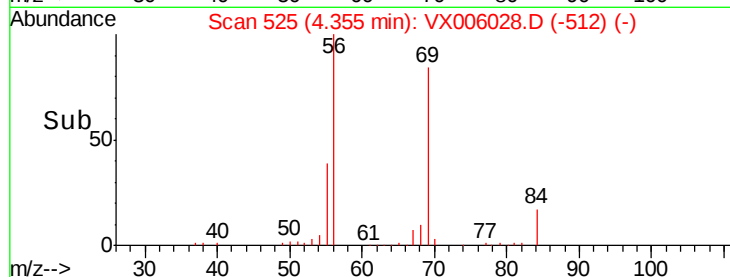
300

200

100

0

Time-->



#29

Tetrahydrofuran

Concen: 1.869 ug/l

RT: 5.20 min Scan# 663

Delta R.T. 0.04 min

Lab File: VX006028.D

Acq: 15 Nov 2018 18:53

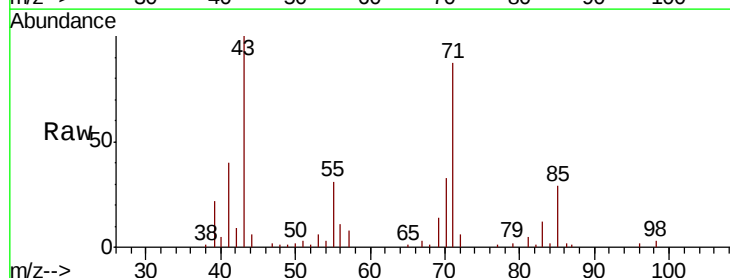
Tgt Ion: 42 Resp: 1782

Ion Ratio Lower Upper

42 100

72 95.2 32.0 48.0#

71 1329.8 29.8 44.8#



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

8000

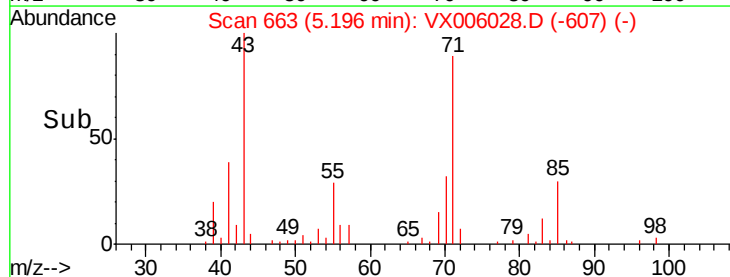
6000

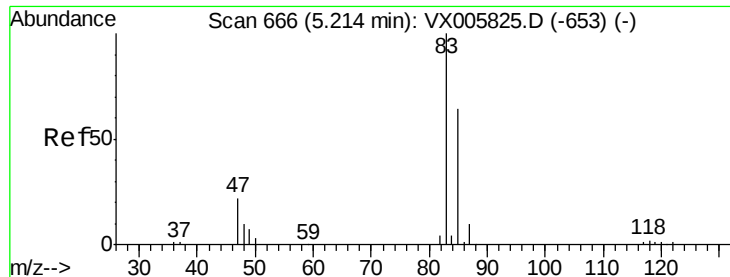
4000

2000

0

Time-->

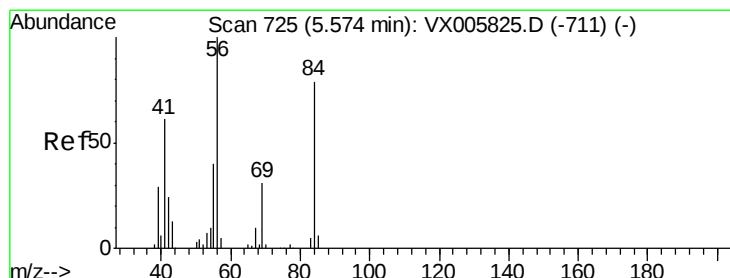
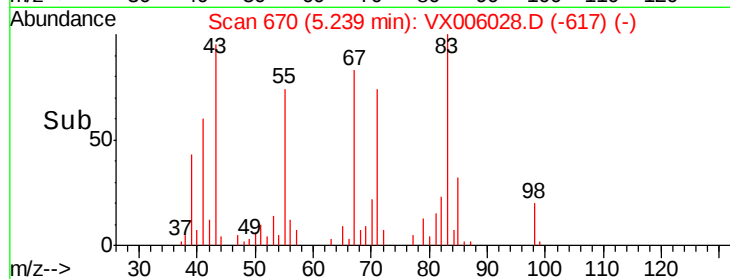
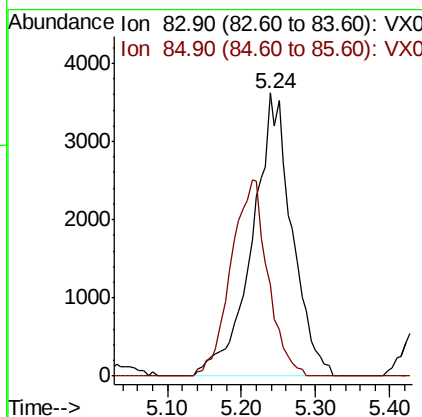
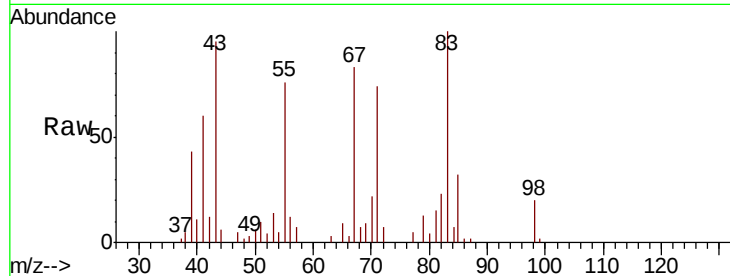




#30
Chloroform
Concen: 4.959 ug/l
RT: 5.24 min Scan# 670
Delta R.T. 0.02 min
Lab File: VX006028.D
Acq: 15 Nov 2018 18:53

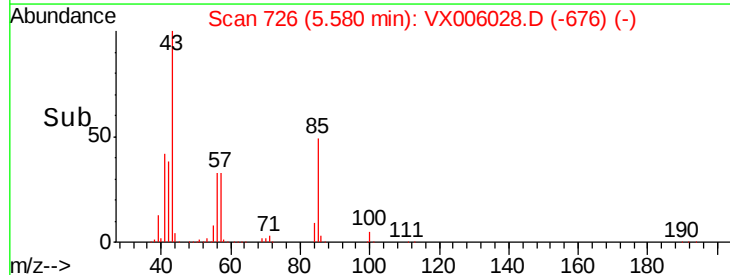
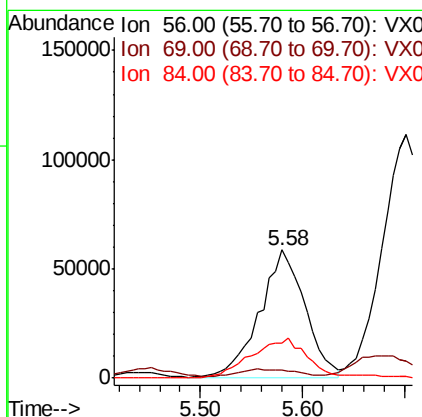
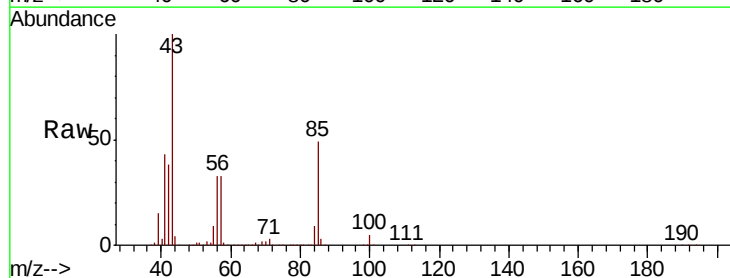
Instrument :
MSVOA_X
ClientSampled :

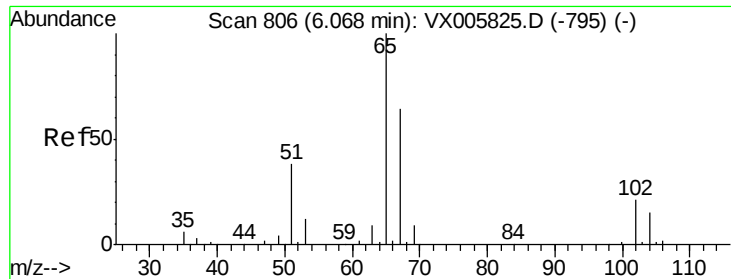
Tot Ion: 83 Resp: 13468
Ion Ratio Lower Upper
83 100
85 32.4 50.6 76.0#



#31
Cyclohexane
Concen: 74.265 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX006028.D
Acq: 15 Nov 2018 18:53

Tgt Ion: 56 Resp: 181457
Ion Ratio Lower Upper
56 100
69 3.6 22.6 34.0#
84 27.3 62.7 94.1#

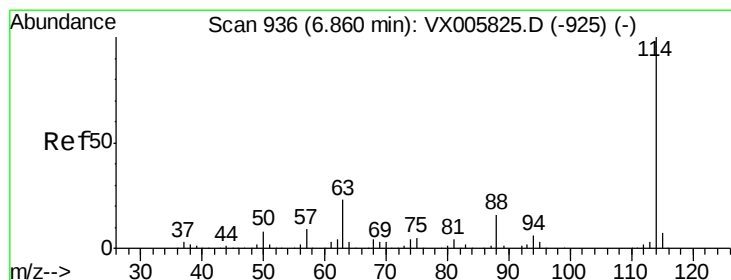
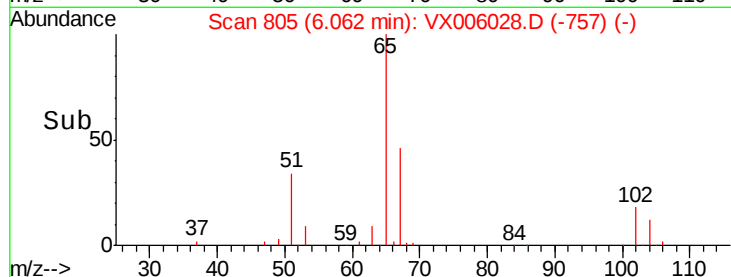
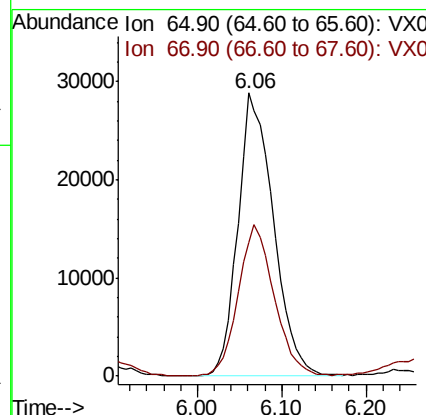
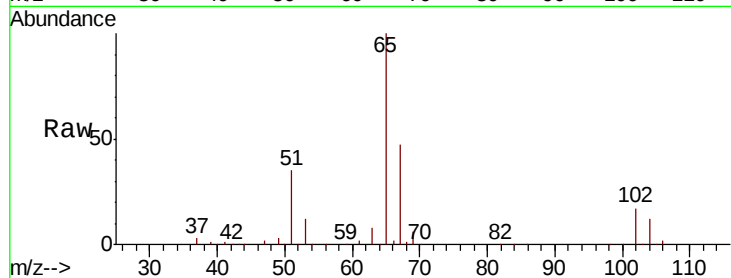




#33
 1,2-Dichloroethane-d4
 Concen: 46.919 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX006028.D
 Acq: 15 Nov 2018 18:53

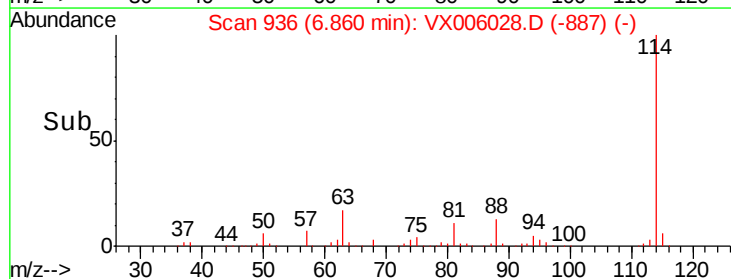
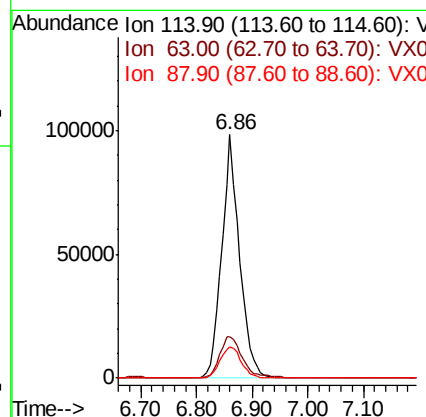
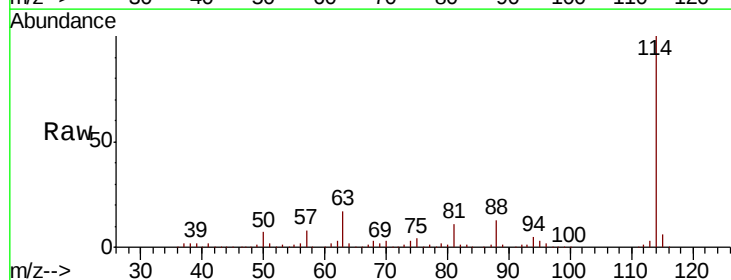
Instrument :
 MSVOA_X
 ClientSampleId :

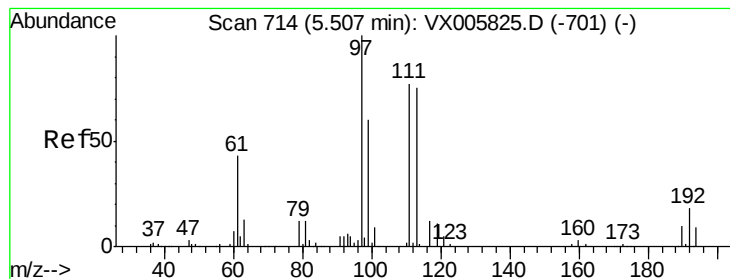
Tot Ion: 65 Resp: 82292
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006028.D
 Acq: 15 Nov 2018 18:53

Tgt Ion: 114 Resp: 218379
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 42.8
 88 12.9 0.0 31.2





#35

Dibromofluoromethane

Concen: 42.183 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.00 min

Lab File: VX006028.D

Acq: 15 Nov 2018 18:53

Instrument :
MSVOA_X
ClientSampleId :

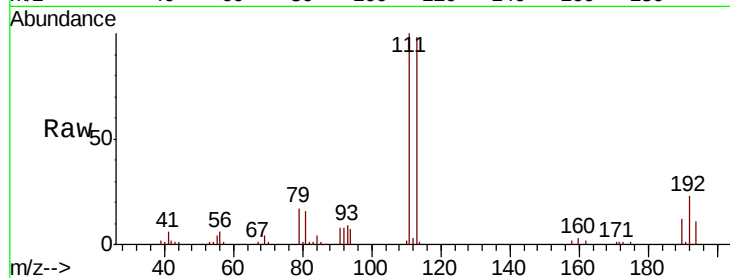
Tot Ion:113 Resp: 62654

Ion Ratio Lower Upper

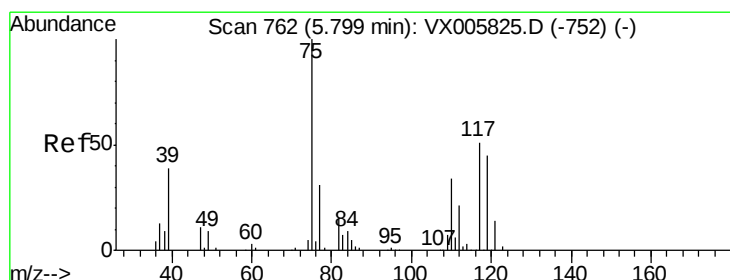
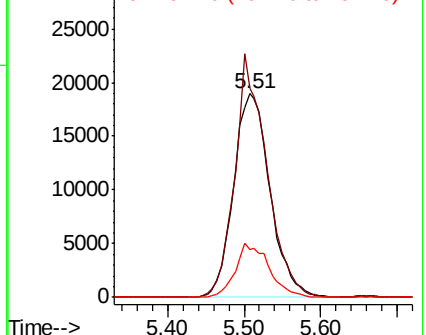
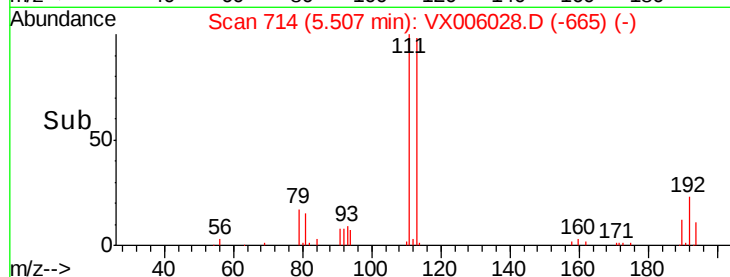
113 100

111 104.1 82.3 123.5

192 24.5 17.9 26.9



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: 4.919 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX006028.D

Acq: 15 Nov 2018 18:53

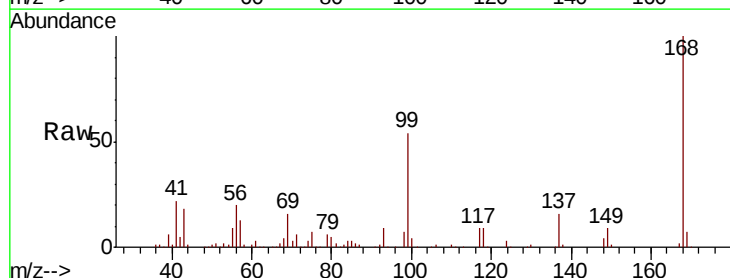
Tgt Ion: 75 Resp: 10356

Ion Ratio Lower Upper

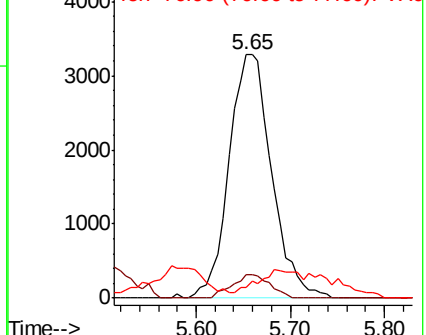
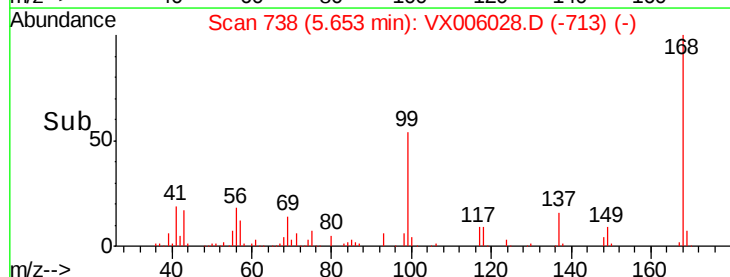
75 100

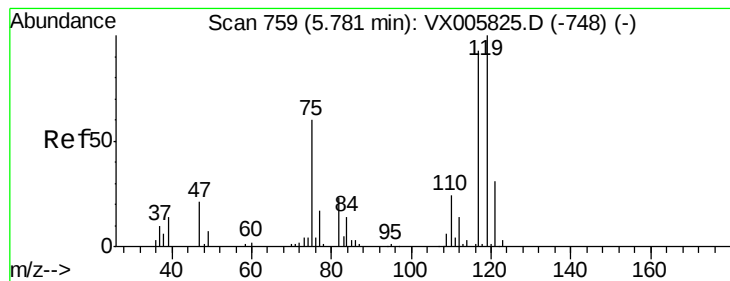
110 8.5 17.4 52.2#

77 0.0 25.8 38.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.396 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006028.D

Acq: 15 Nov 2018 18:53

Instrument :

MSVOA_X

ClientSampleId :

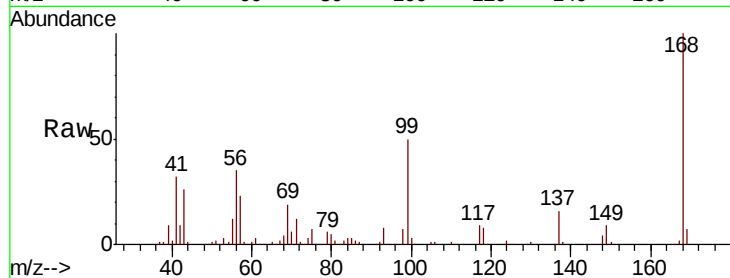
Tot Ion:117 Resp: 13481

Ion Ratio Lower Upper

117 100

119 4.7 78.1 117.1#

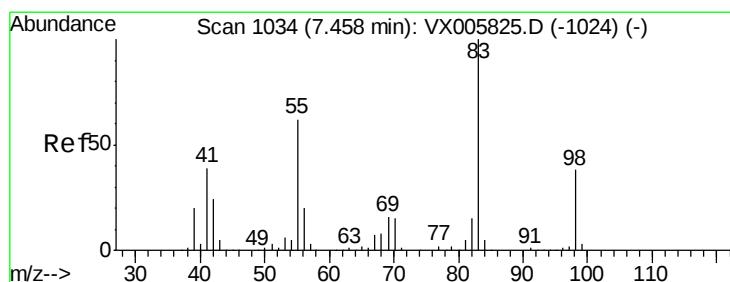
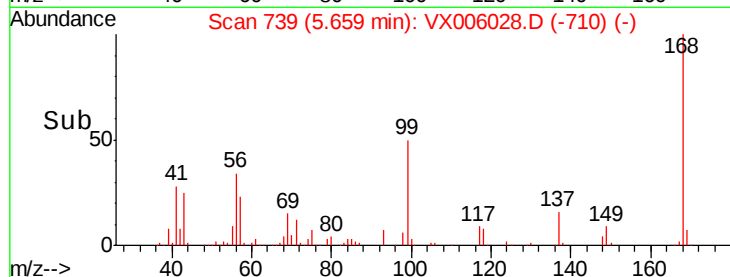
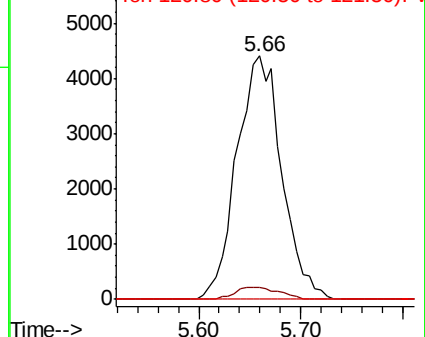
121 0.0 24.6 36.8#



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: 109.272 ug/l

RT: 7.45 min Scan# 1033

Delta R.T. -0.01 min

Lab File: VX006028.D

Acq: 15 Nov 2018 18:53

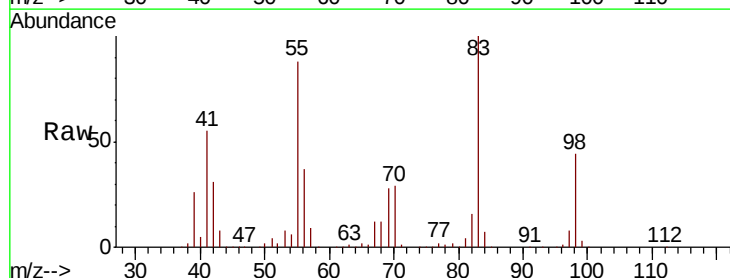
Tgt Ion: 83 Resp: 233154

Ion Ratio Lower Upper

83 100

55 88.2 63.7 95.5

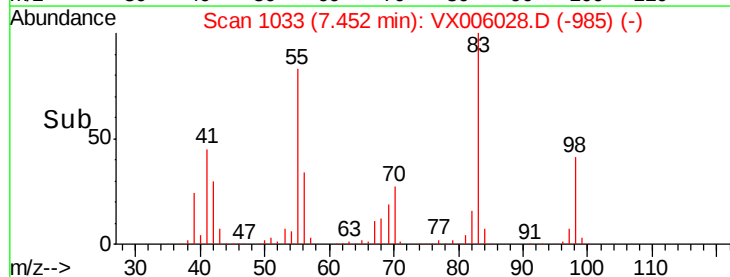
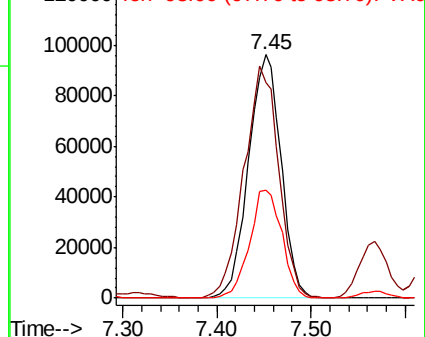
98 44.3 36.2 54.2

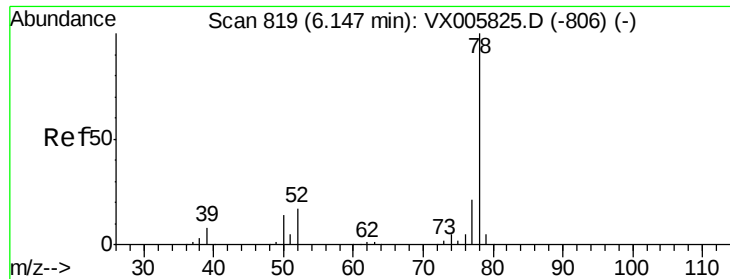


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 14.751 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX006028.D

Acq: 15 Nov 2018 18:53

Instrument :

MSVOA_X

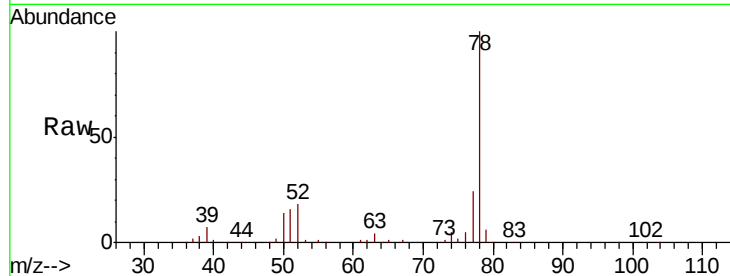
ClientSampleId :

Tot Ion: 78 Resp: 90529

Ion Ratio Lower Upper

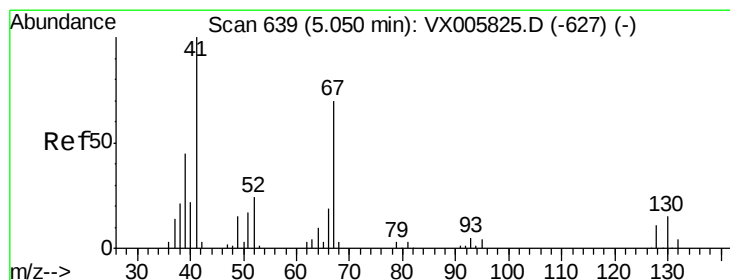
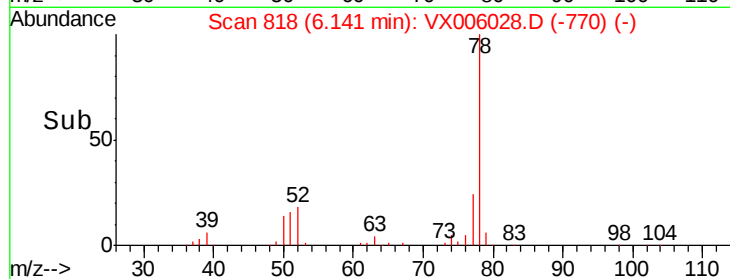
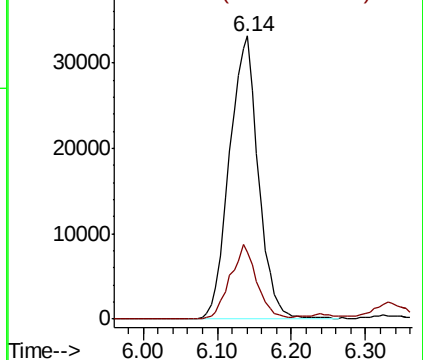
78 100

77 23.5 18.4 27.6



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#41

Methacrylonitrile

Concen: 2.124 ug/l

RT: 5.03 min Scan# 635

Delta R.T. -0.02 min

Lab File: VX006028.D

Acq: 15 Nov 2018 18:53

Tgt Ion: 41 Resp: 3178

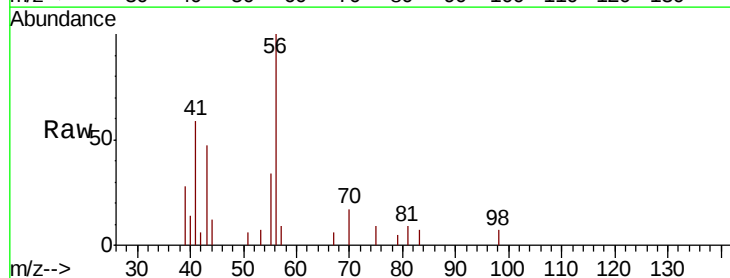
Ion Ratio Lower Upper

41 100

39 61.1 42.2 63.2

67 0.0 53.4 80.0#

52 0.0 23.4 35.2#

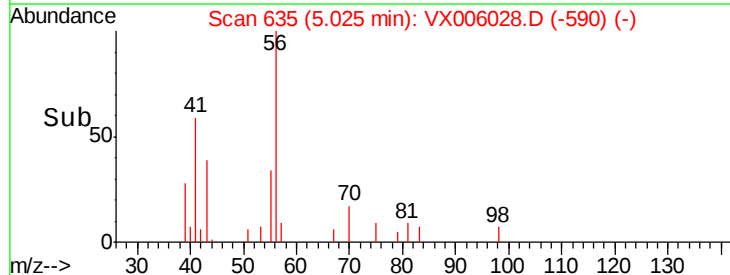
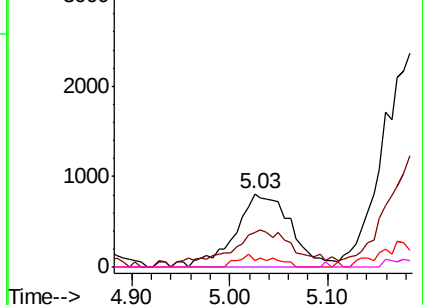


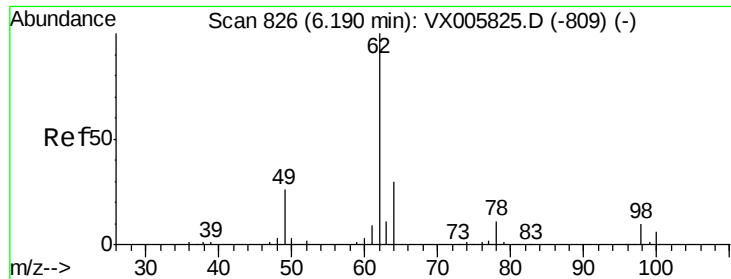
Abundance Ion 41.00 (40.70 to 41.70): VX0

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





#42

1,2-Dichloroethane

Concen: 0.215 ug/l

RT: 6.24 min Scan# 835

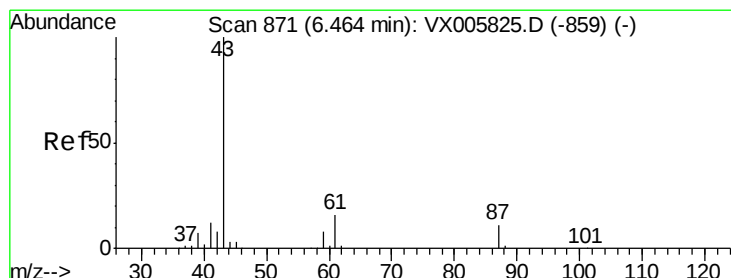
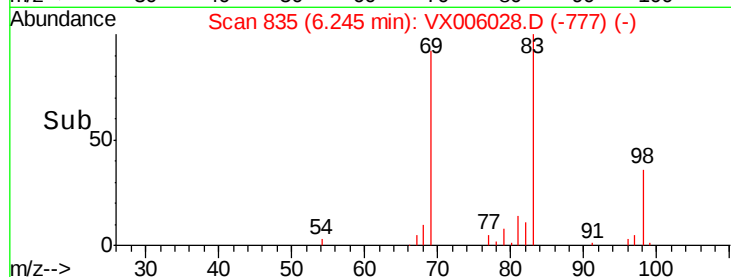
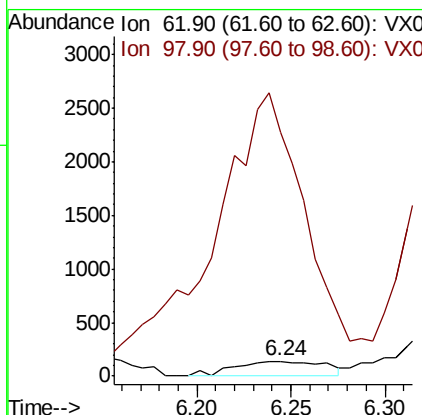
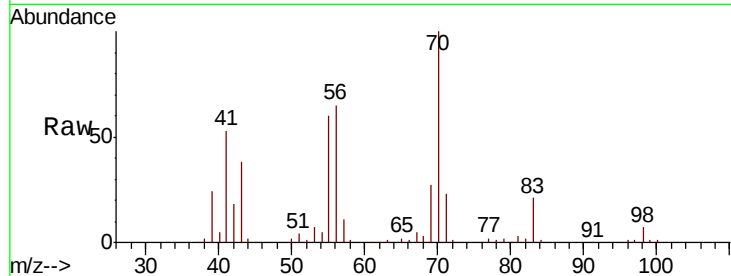
Delta R.T. 0.05 min

Lab File: VX006028.D

Acq: 15 Nov 2018 18:53

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 62 Resp: 472
Ion Ratio Lower Upper
62 100
98 2048.5 0.0 17.8#



#43

Isopropyl Acetate

Concen: 132.432 ug/l

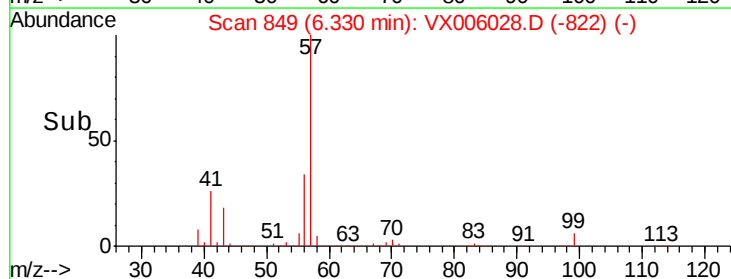
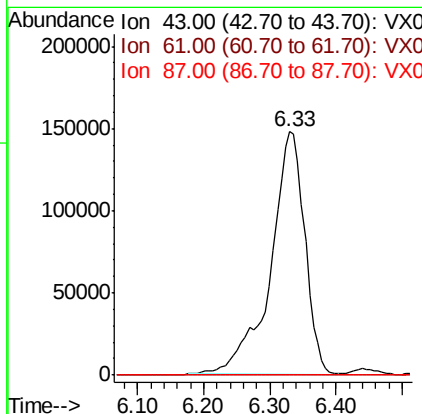
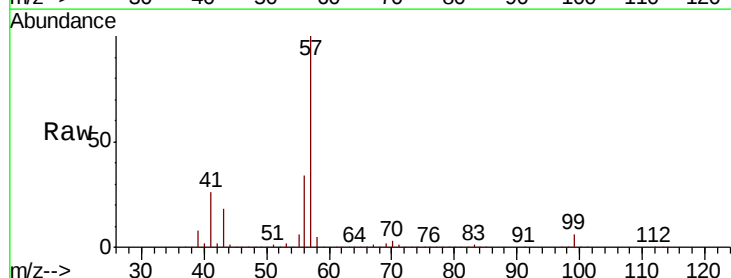
RT: 6.33 min Scan# 849

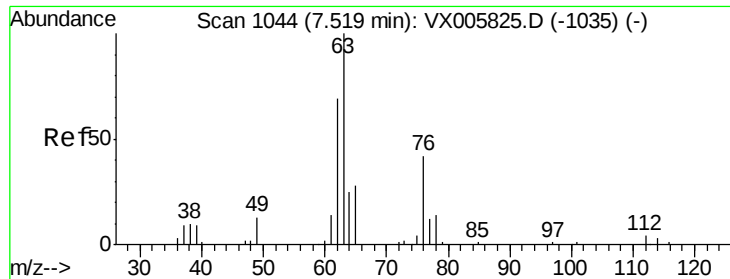
Delta R.T. -0.13 min

Lab File: VX006028.D

Acq: 15 Nov 2018 18:53

Tgt Ion: 43 Resp: 531248
Ion Ratio Lower Upper
43 100
61 0.1 14.6 22.0#
87 0.0 9.6 14.4#





#45

1,2-Dichloropropane

Concen: 0.649 ug/l

RT: 7.57 min Scan# 1053

Delta R.T. 0.05 min

Lab File: VX006028.D

Acq: 15 Nov 2018 18:53

Instrument :

MSVOA_X

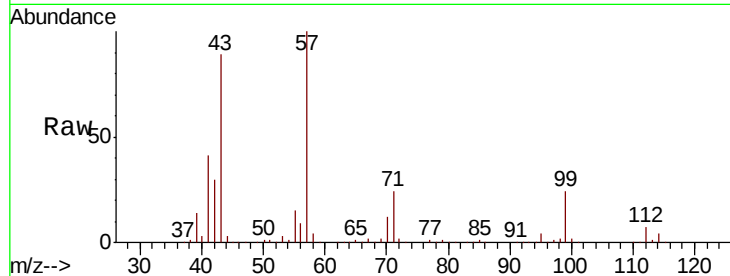
ClientSampled :

Tot Ion: 63 Resp: 967

Ion Ratio Lower Upper

63 100

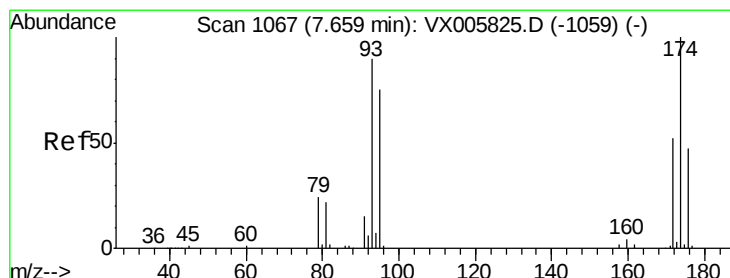
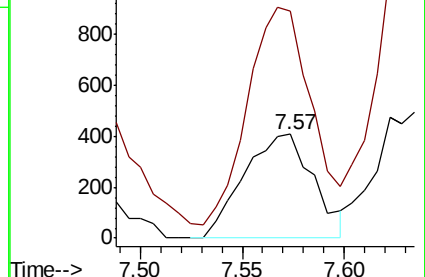
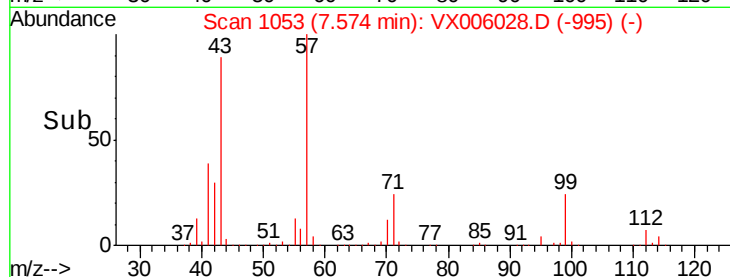
65 204.2 24.8 37.2#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

Time-->



#46

Dibromomethane

Concen: 0.773 ug/l

RT: 7.63 min Scan# 1062

Delta R.T. -0.03 min

Lab File: VX006028.D

Acq: 15 Nov 2018 18:53

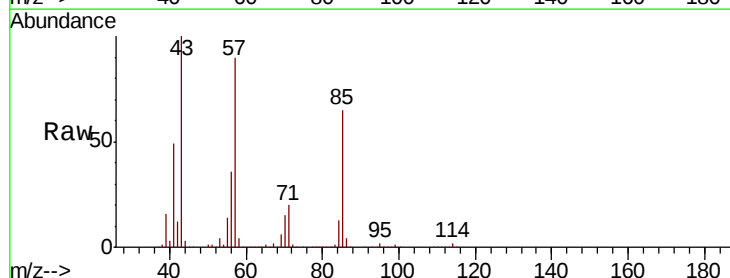
Tgt Ion: 93 Resp: 723

Ion Ratio Lower Upper

93 100

95 1171.0 67.4 101.0#

174 0.0 91.5 137.3#

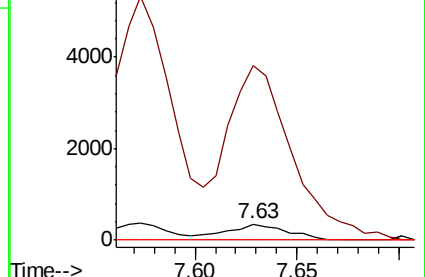
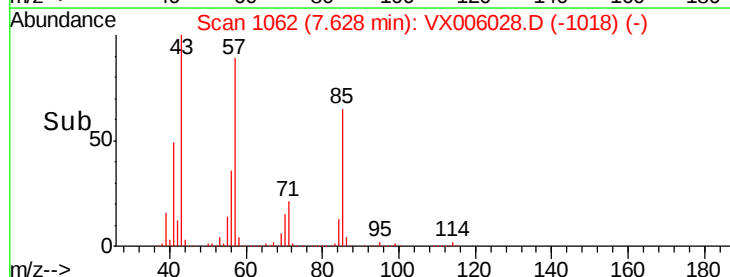


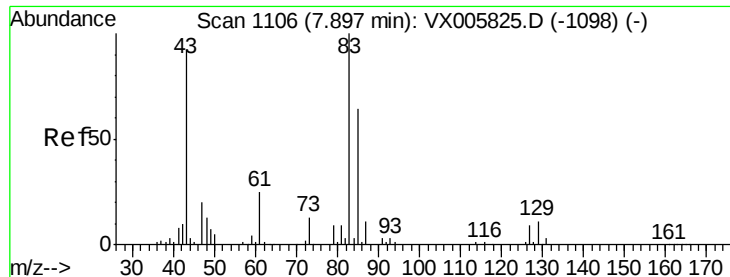
Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

Time-->





#47

Bromodichloromethane

Concen: 4.503 ug/l

RT: 7.84 min Scan# 1096

Delta R.T. -0.06 min

Lab File: VX006028.D

Acq: 15 Nov 2018 18:53

Instrument :

MSVOA_X

ClientSampleId :

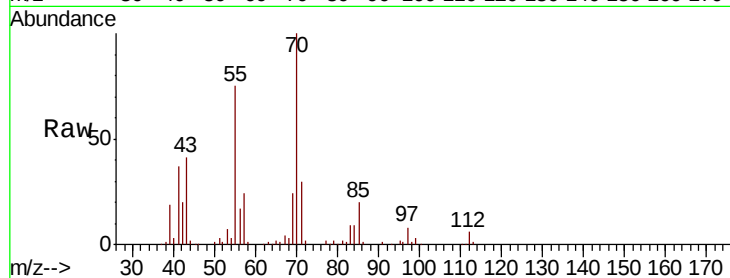
Tot Ion: 83 Resp: 7954

Ion Ratio Lower Upper

83 100

85 229.6 50.2 75.4#

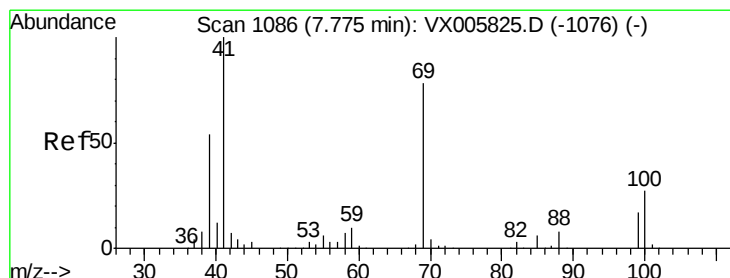
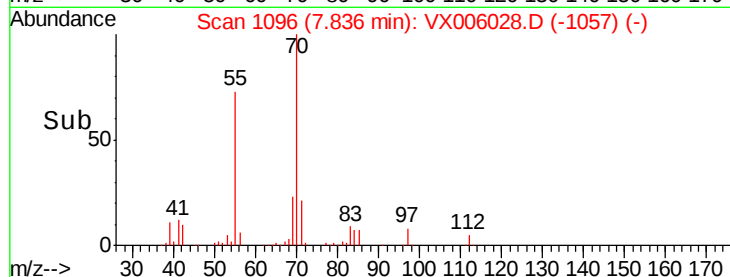
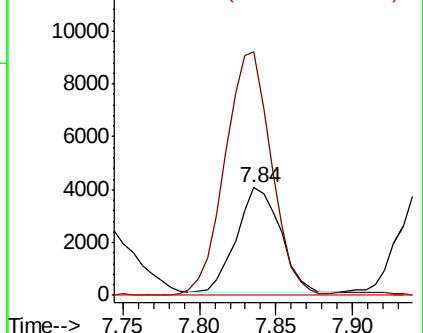
127 0.0 6.9 10.3#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 26.715 ug/l

RT: 7.73 min Scan# 1078

Delta R.T. -0.05 min

Lab File: VX006028.D

Acq: 15 Nov 2018 18:53

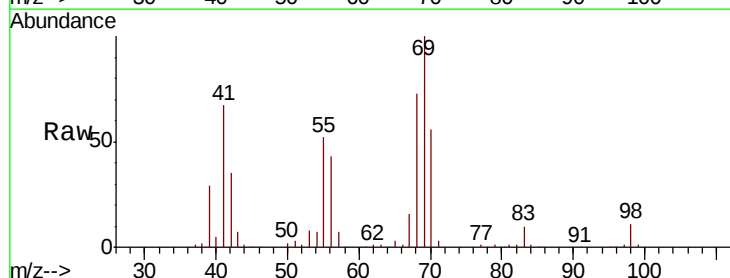
Tgt Ion: 41 Resp: 48120

Ion Ratio Lower Upper

41 100

69 151.1 63.2 94.8#

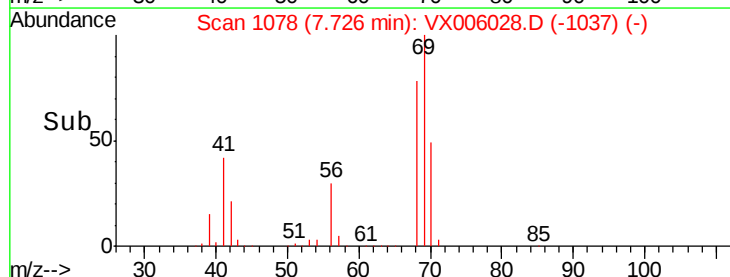
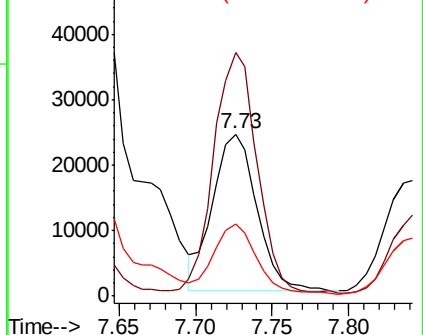
39 43.6 42.2 63.2

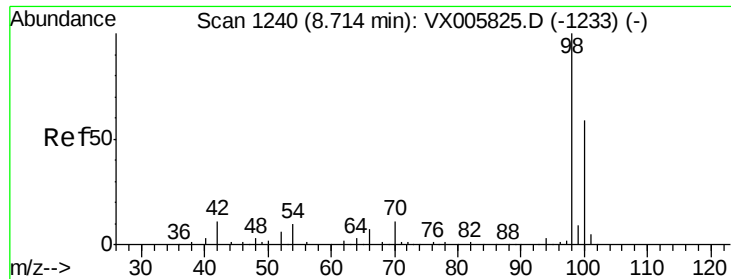


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

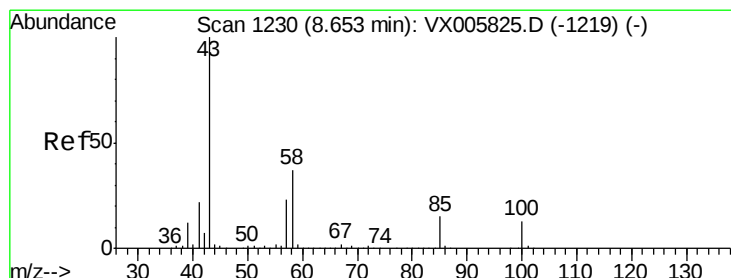
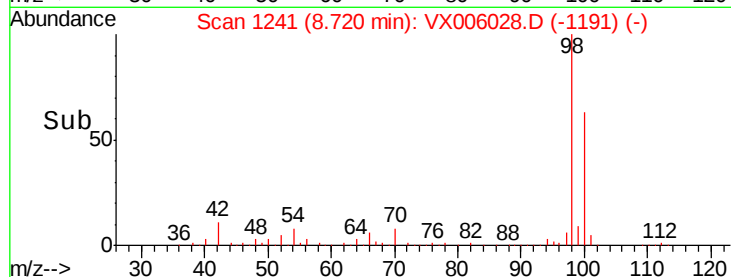
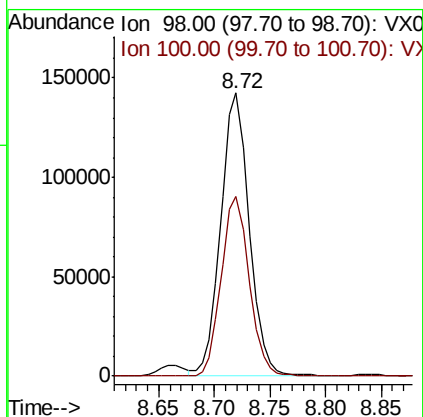
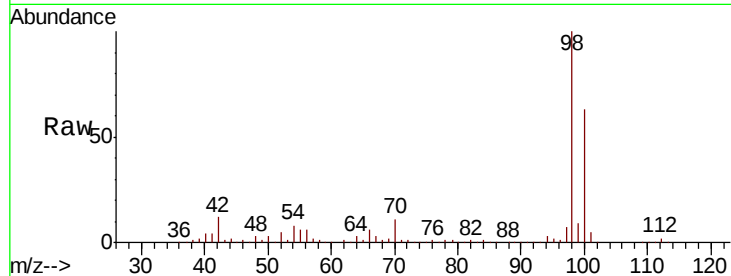




#50
Toluene-d8
Concen: 51.050 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX006028.D
Acq: 15 Nov 2018 18:53

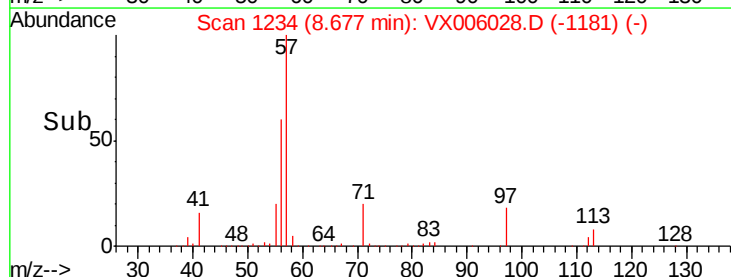
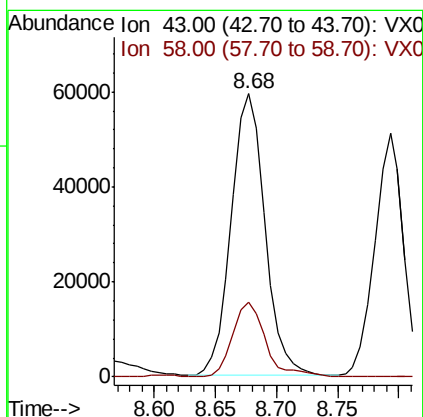
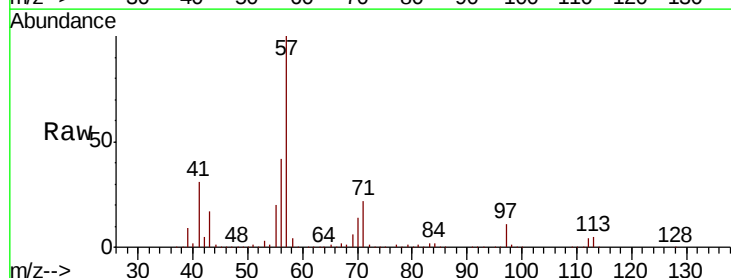
Instrument :
MSVOA_X
ClientSampleId :

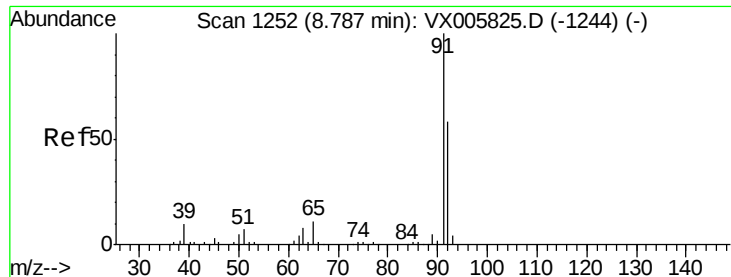
Tot Ion: 98 Resp: 252085
Ion Ratio Lower Upper
98 100
100 62.8 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 45.010 ug/l
RT: 8.68 min Scan# 1234
Delta R.T. 0.02 min
Lab File: VX006028.D
Acq: 15 Nov 2018 18:53

Tgt Ion: 43 Resp: 113793
Ion Ratio Lower Upper
43 100
58 26.0 29.7 44.5#





#52

Toluene

Concen: 1512.640 ug/l

RT: 8.79 min Scan# 1253

Delta R.T. 0.01 min

Lab File: VX006028.D

Acq: 15 Nov 2018 18:53

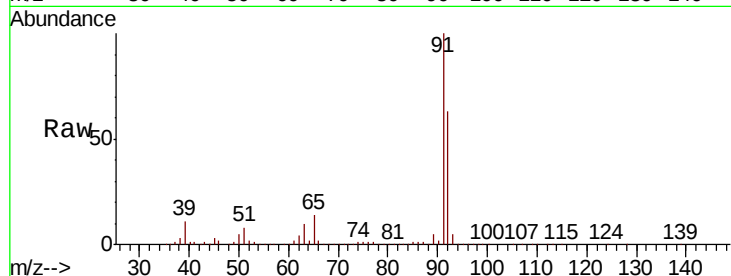
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 92 Resp: 5188380

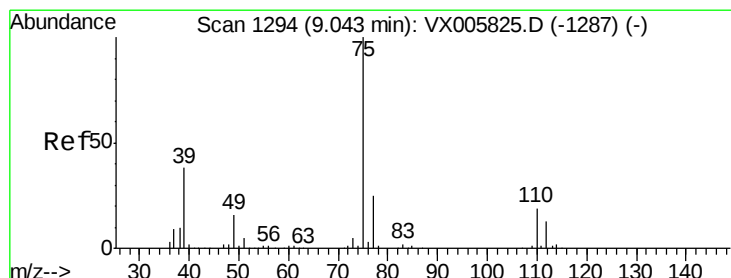
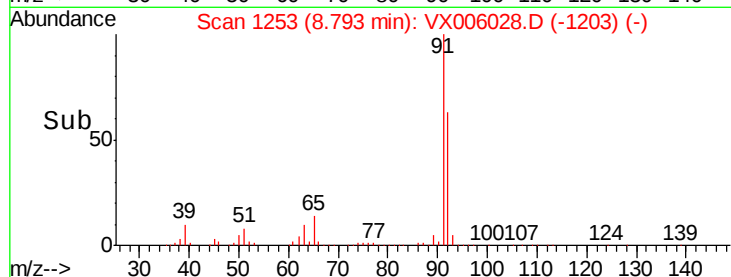
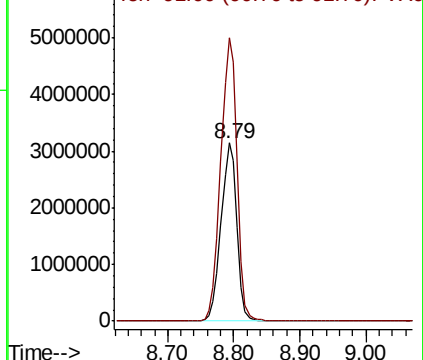
Ion Ratio Lower Upper

92 100

91 164.5 140.4 210.6



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



#53

t-1,3-Dichloropropene

Concen: 29.690 ug/l

RT: 8.79 min Scan# 1253

Delta R.T. -0.25 min

Lab File: VX006028.D

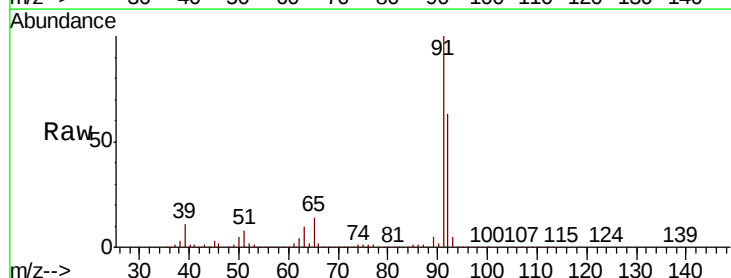
Acq: 15 Nov 2018 18:53

Tgt Ion: 75 Resp: 61895

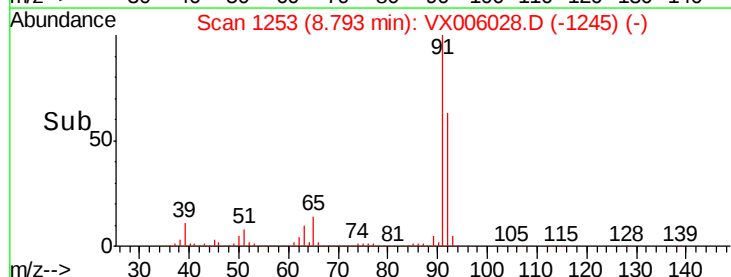
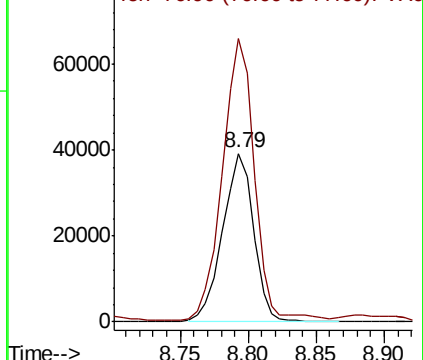
Ion Ratio Lower Upper

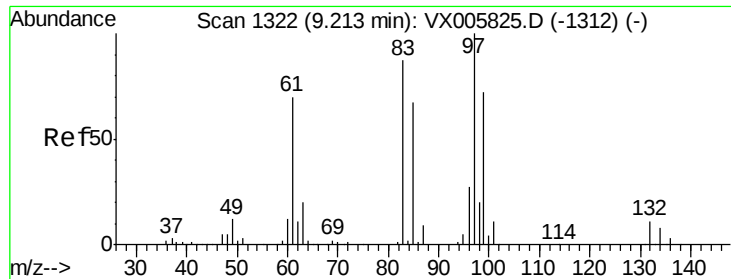
75 100

77 166.2 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 76.90 (76.60 to 77.60): VX0

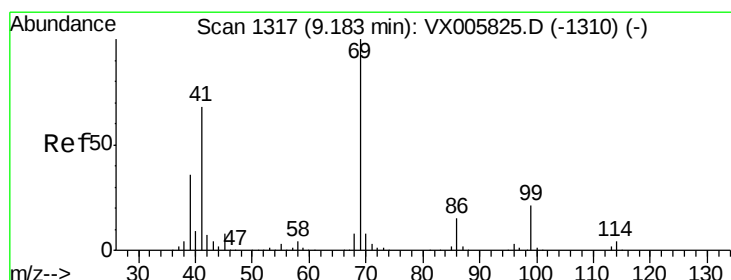
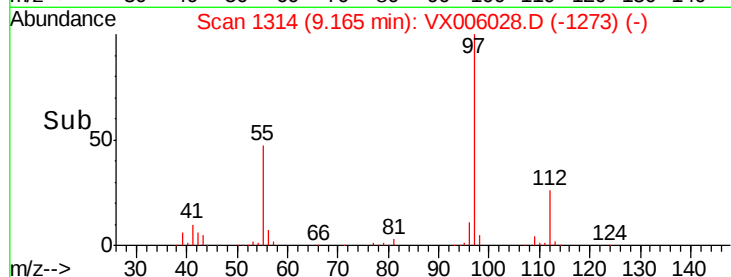
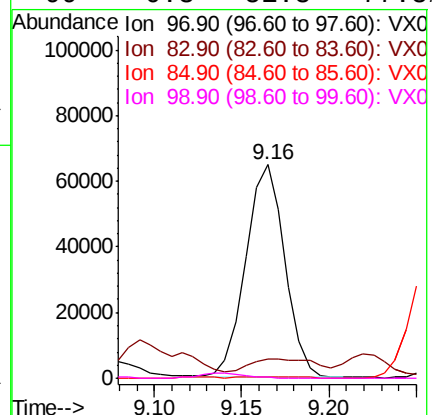
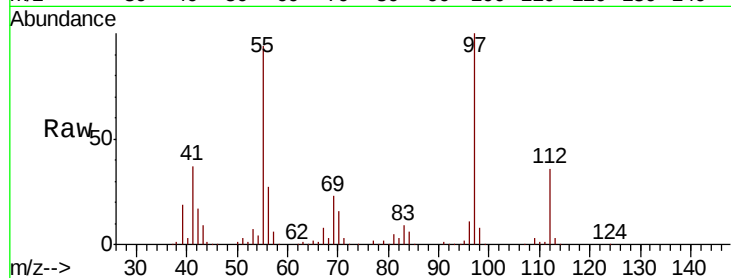




#55
1,1,2-Trichloroethane
Concen: 65.859 ug/l
RT: 9.16 min Scan# 1314
Delta R.T. -0.05 min
Lab File: VX006028.D
Acq: 15 Nov 2018 18:53

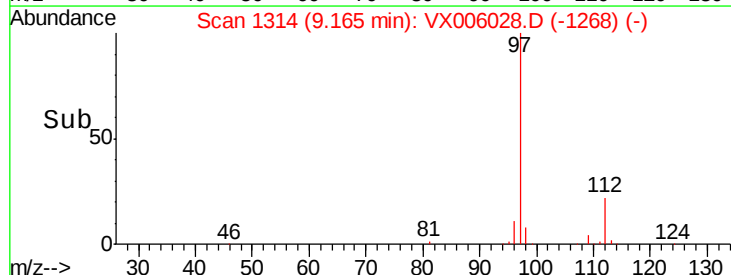
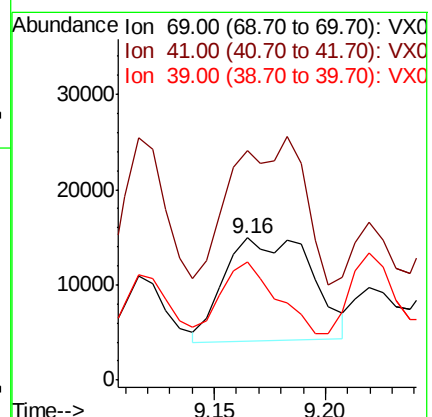
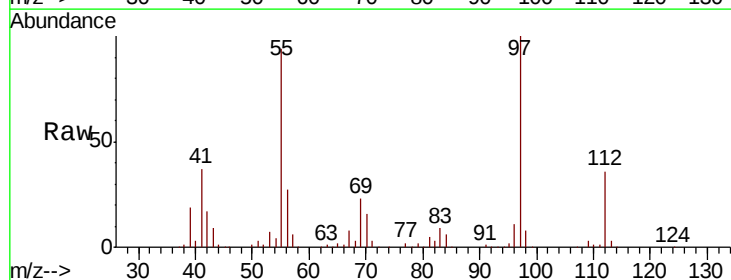
Instrument :
MSVOA_X
ClientSampled :

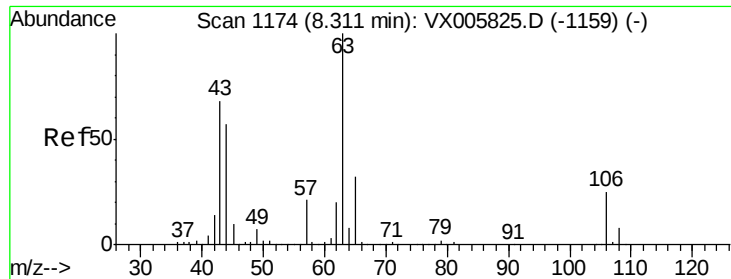
Tot Ion: 97 Resp: 100677
Ion Ratio Lower Upper
97 100
83 2.6 70.7 106.1#
85 0.2 45.8 68.6#
99 0.3 51.8 77.8#



#56
Ethyl methacrylate
Concen: 12.852 ug/l
RT: 9.16 min Scan# 1314
Delta R.T. -0.02 min
Lab File: VX006028.D
Acq: 15 Nov 2018 18:53

Tgt Ion: 69 Resp: 29397
Ion Ratio Lower Upper
69 100
41 118.0 57.0 85.6#
39 74.2 28.3 42.5#

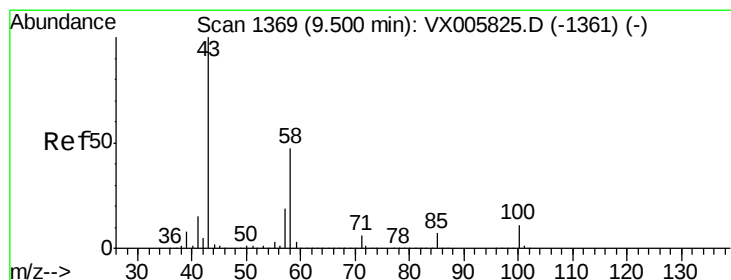
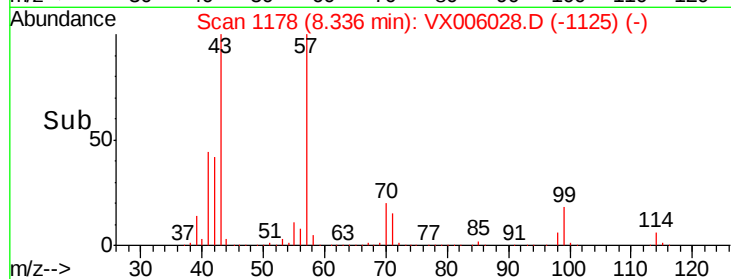
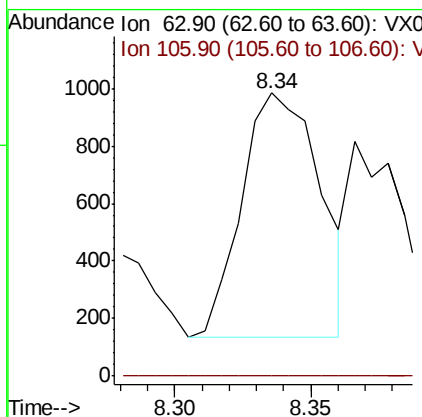
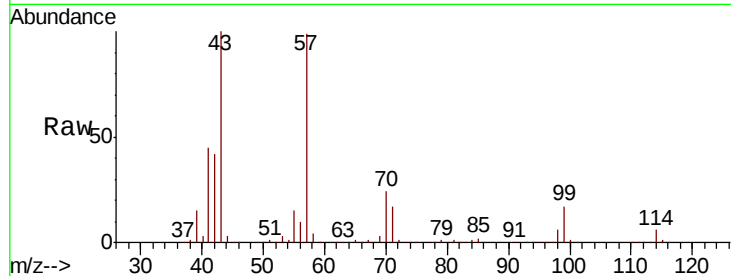




#58
2-Chloroethyl Vinyl ether
Concen: 9.593 ug/l
RT: 8.34 min Scan# 1178
Delta R.T. 0.02 min
Lab File: VX006028.D
Acq: 15 Nov 2018 18:53

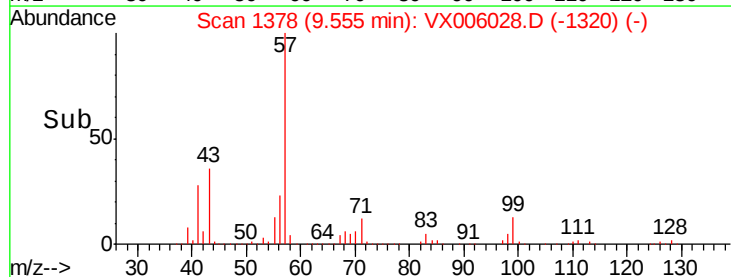
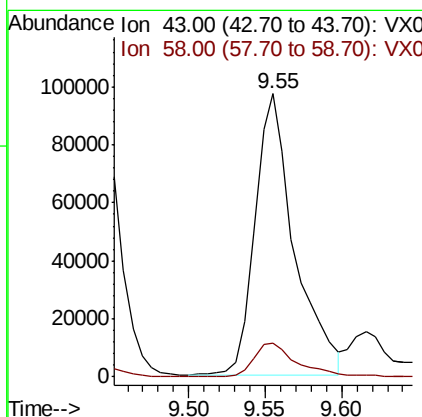
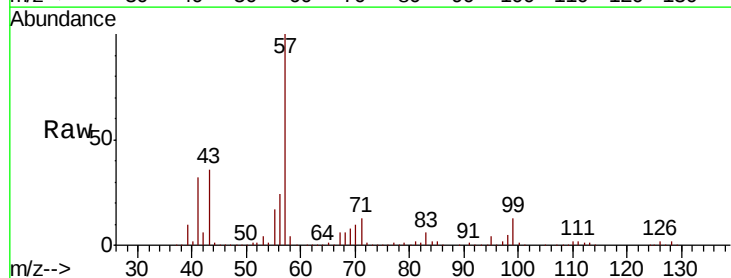
Instrument :
MSVOA_X
ClientSampled :

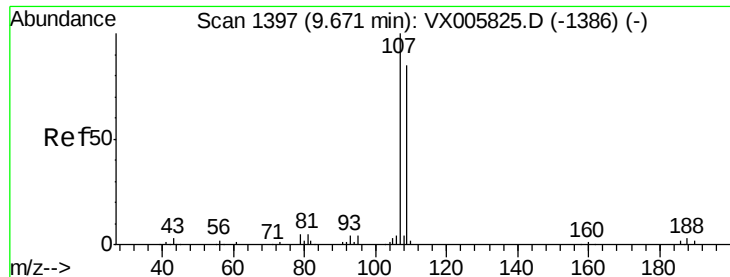
Tot Ion: 63 Resp: 1695
Ion Ratio Lower Upper
63 100
106 0.0 21.3 31.9#



#59
2-Hexanone
Concen: 77.862 ug/l
RT: 9.55 min Scan# 1378
Delta R.T. 0.05 min
Lab File: VX006028.D
Acq: 15 Nov 2018 18:53

Tgt Ion: 43 Resp: 173513
Ion Ratio Lower Upper
43 100
58 13.7 25.9 77.8#





#61

1,2-Dibromoethane

Concen: 0.298 ug/l

RT: 9.66 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VX006028.D

Acq: 15 Nov 2018 18:53

Instrument :

MSVOA_X

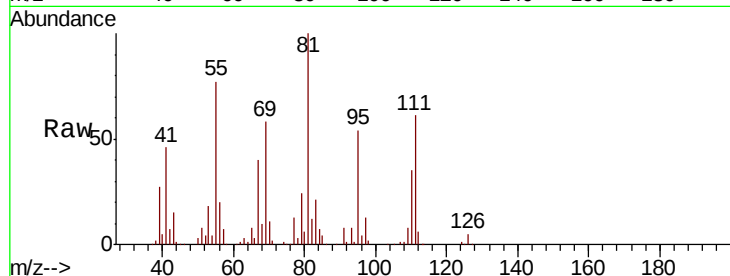
ClientSampled :

Tot Ion:107 Resp: 503

Ion Ratio Lower Upper

107 100

109 760.4 75.7 113.5#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

12000

10000

8000

6000

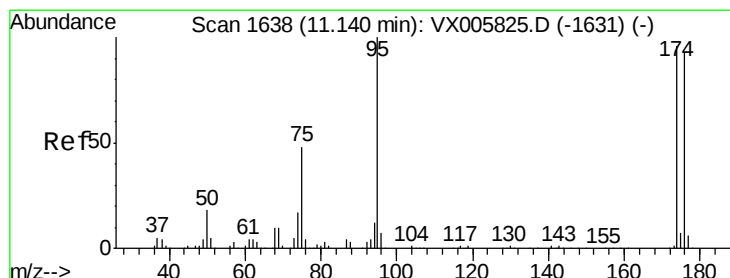
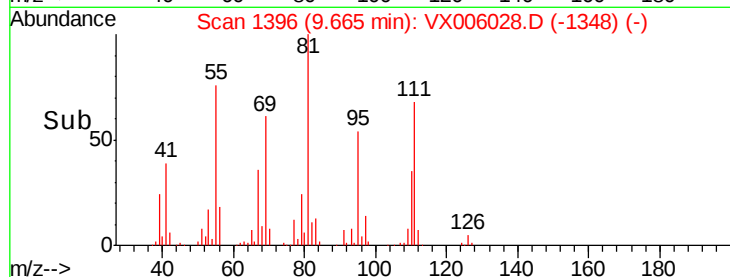
4000

2000

0

9.60 9.65 9.70

Time-->



#62

4-Bromofluorobenzene

Concen: 52.677 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX006028.D

Acq: 15 Nov 2018 18:53

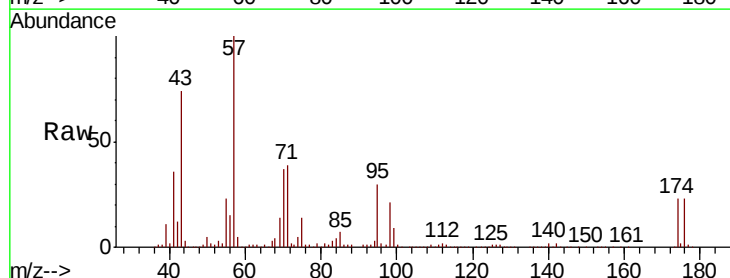
Tgt Ion: 95 Resp: 93522

Ion Ratio Lower Upper

95 100

174 84.0 0.0 184.4

176 81.7 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

80000

60000

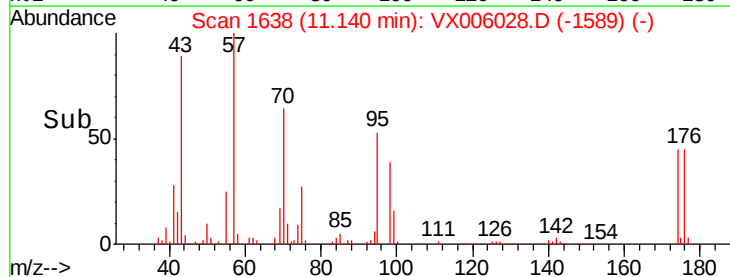
40000

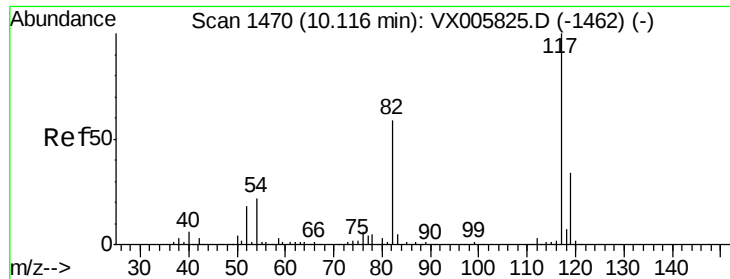
20000

0

11.05 11.10 11.15 11.20

Time-->

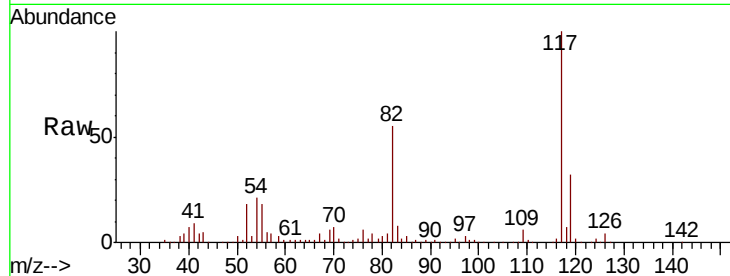




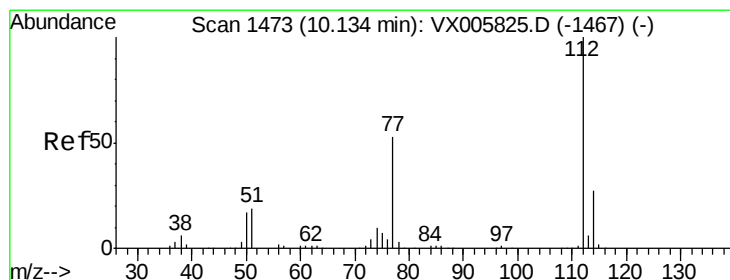
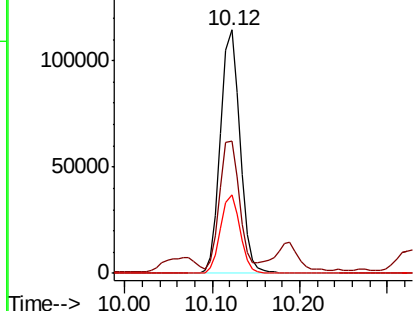
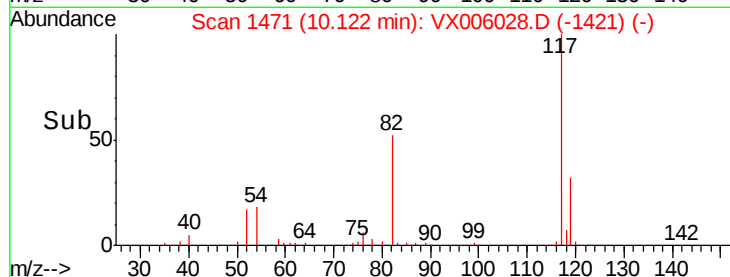
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1471
Delta R.T. 0.01 min
Lab File: VX006028.D
Acq: 15 Nov 2018 18:53

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 176895
Ion Ratio Lower Upper
117 100
82 53.0 44.1 66.1
119 32.2 26.2 39.2

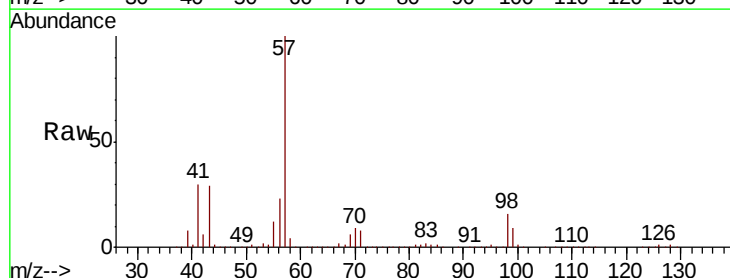


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

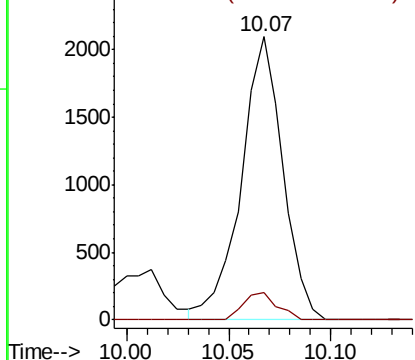
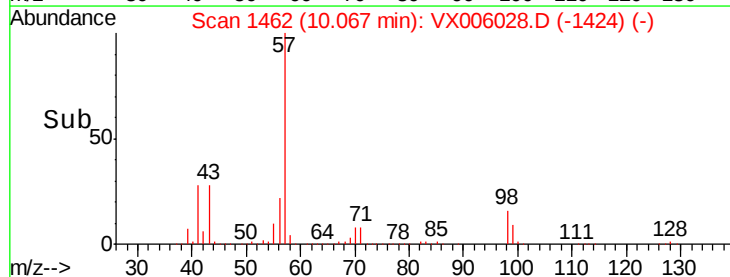


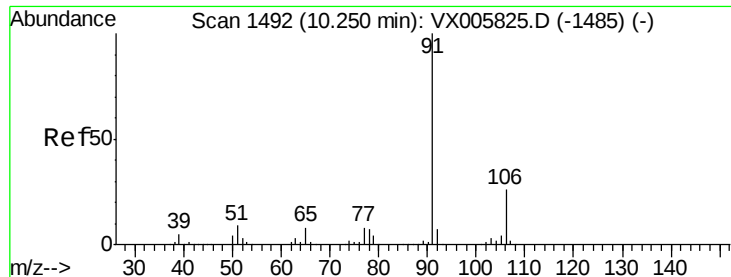
#65
Chlorobenzene
Concen: 0.840 ug/l
RT: 10.07 min Scan# 1462
Delta R.T. -0.07 min
Lab File: VX006028.D
Acq: 15 Nov 2018 18:53

Tgt Ion:112 Resp: 2978
Ion Ratio Lower Upper
112 100
114 9.8 25.8 38.6#



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

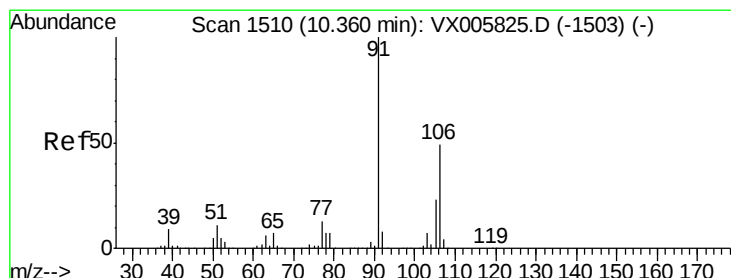
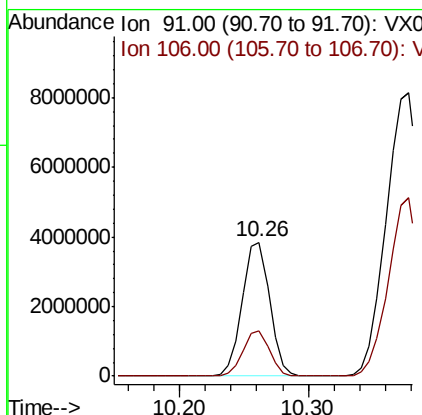
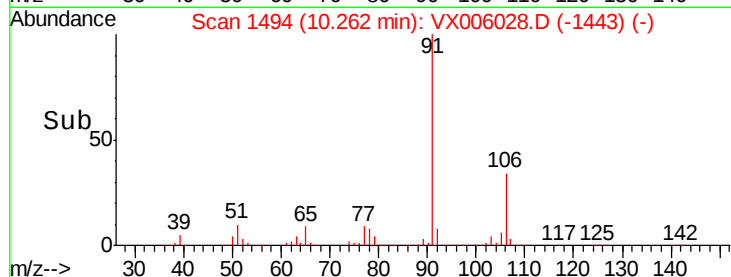
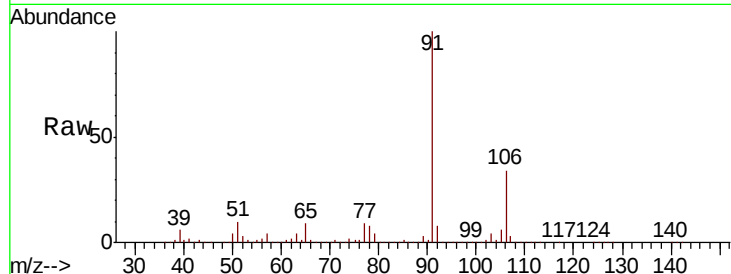




#67
Ethyl Benzene
Concen: 998.412 ug/l
RT: 10.26 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VX006028.D
Acq: 15 Nov 2018 18:53

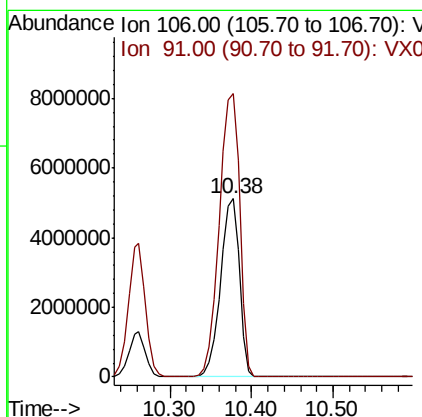
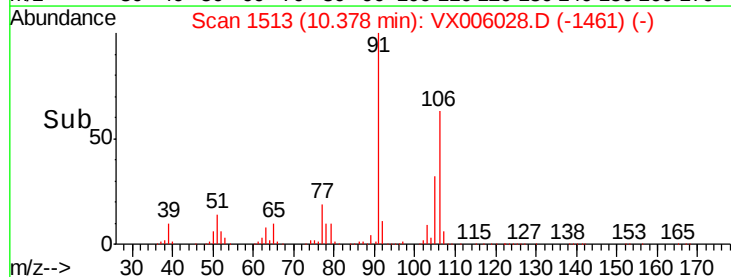
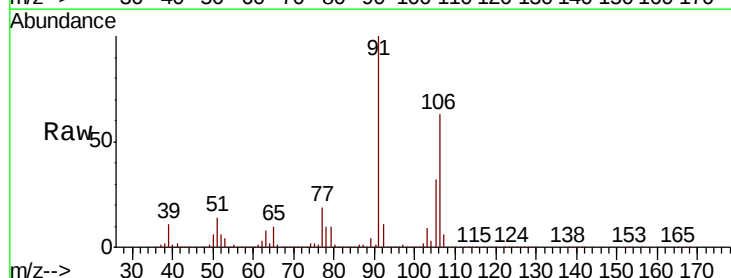
Instrument :
MSVOA_X
ClientSampled :

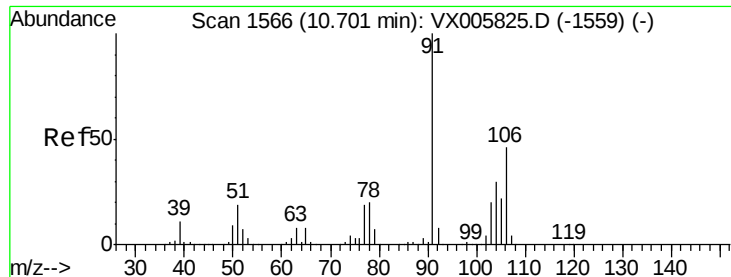
Tot Ion: 91 Resp: 5673502
Ion Ratio Lower Upper
91 100
106 33.8 24.4 36.6



#68
m/p-Xylenes
Concen: 3797.776 ug/l
RT: 10.38 min Scan# 1513
Delta R.T. 0.02 min
Lab File: VX006028.D
Acq: 15 Nov 2018 18:53

Tgt Ion: 106 Resp: 8231812
Ion Ratio Lower Upper
106 100
91 173.7 164.2 246.4

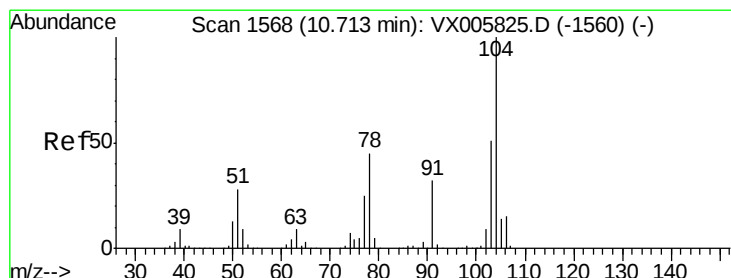
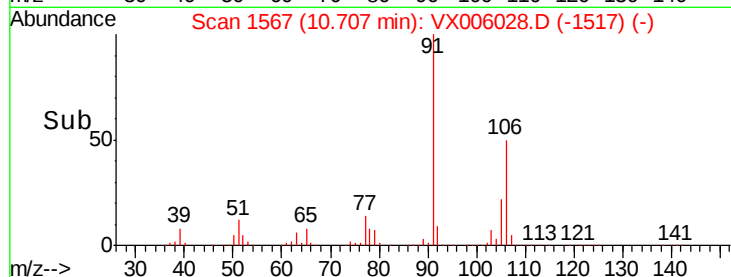
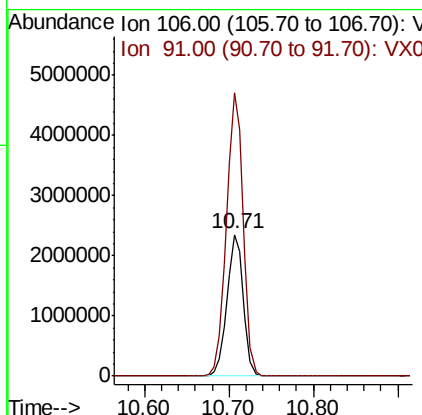
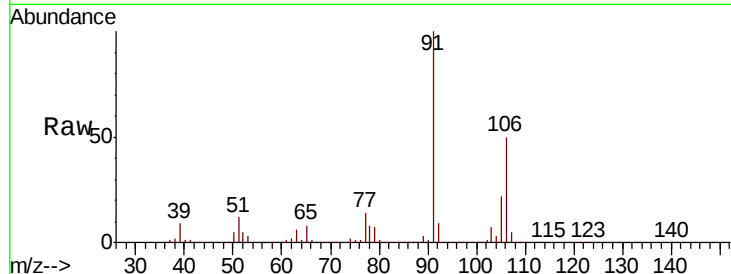




#69
o-Xylene
Concen: 1608.345 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VX006028.D
Acq: 15 Nov 2018 18:53

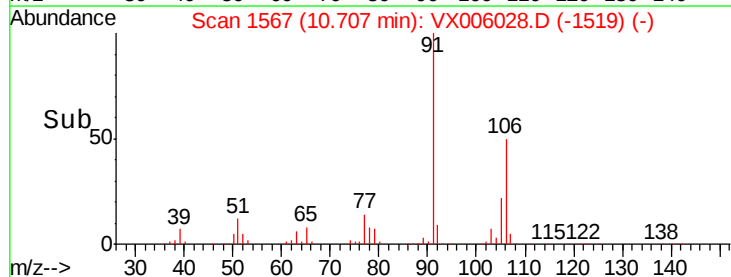
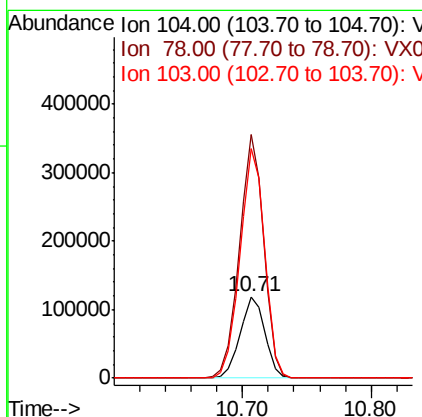
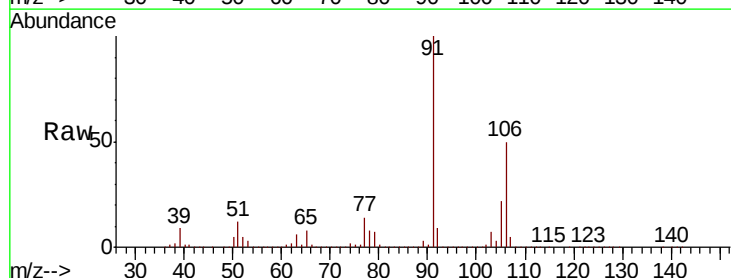
Instrument :
MSVOA_X
ClientSampled :

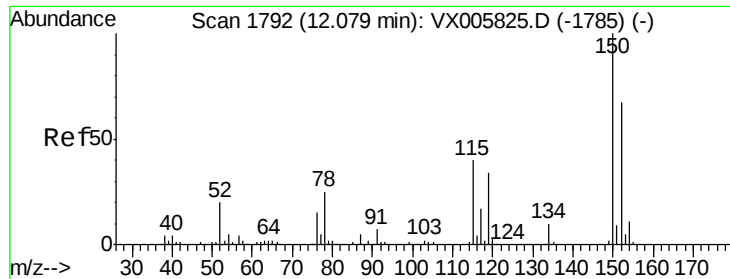
Tot Ion:106 Resp: 3126025
Ion Ratio Lower Upper
106 100
91 205.5 108.5 325.5



#70
Styrene
Concen: 49.037 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX006028.D
Acq: 15 Nov 2018 18:53

Tgt Ion:104 Resp: 157227
Ion Ratio Lower Upper
104 100
78 293.0 40.2 60.4#
103 280.5 44.9 67.3#



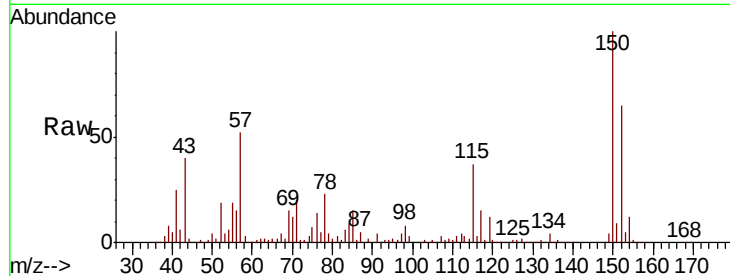


#72

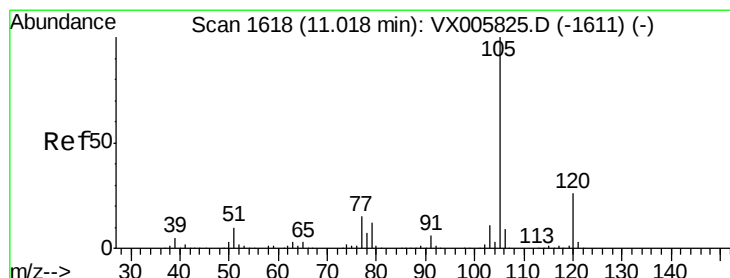
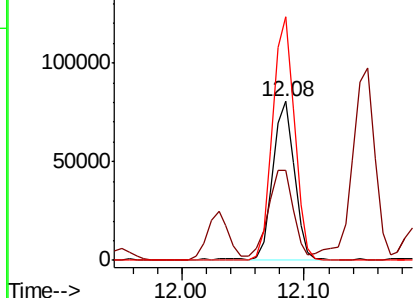
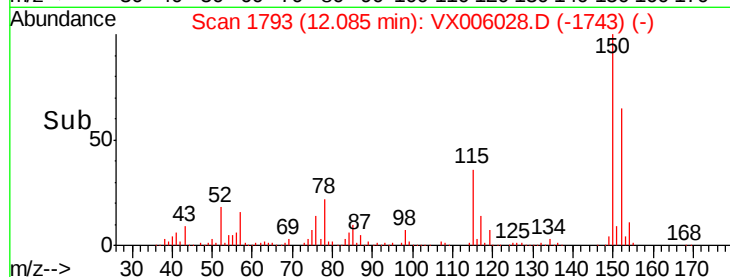
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1793
Delta R.T. 0.01 min
Lab File: VX006028.D
Acq: 15 Nov 2018 18:53

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 97815
Ion Ratio Lower Upper
152 100
115 68.0 39.4 118.1
150 155.7 0.0 346.4



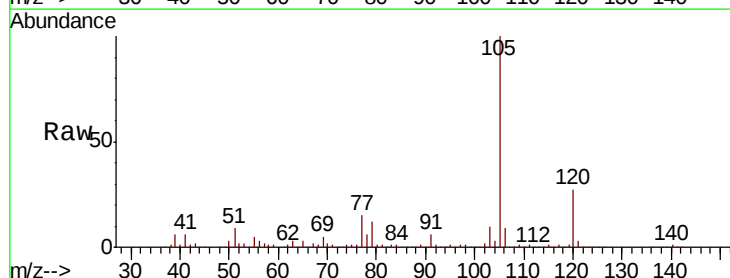
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



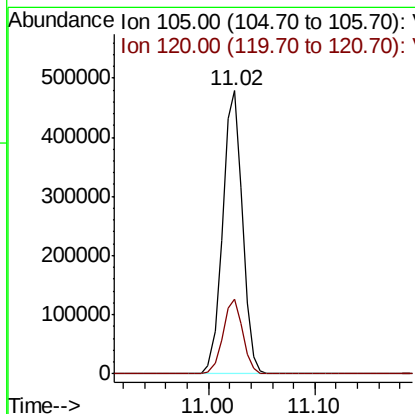
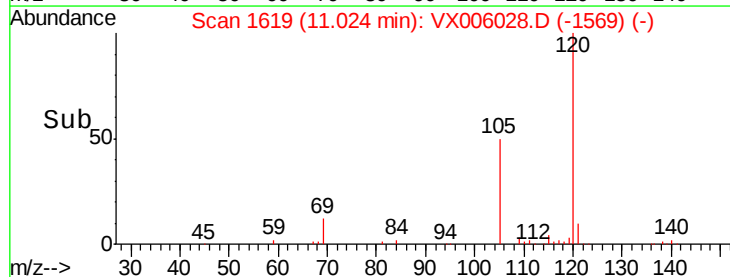
#73

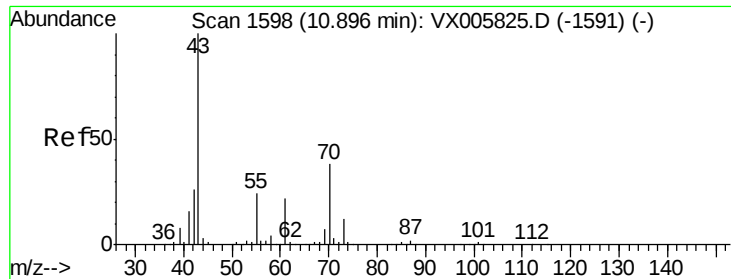
Isopropylbenzene
Concen: 109.923 ug/l
RT: 11.02 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VX006028.D
Acq: 15 Nov 2018 18:53

Tgt Ion:105 Resp: 621784
Ion Ratio Lower Upper
105 100
120 26.4 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 21.543 ug/l

RT: 10.91 min Scan# 1601

Delta R.T. 0.02 min

Lab File: VX006028.D

Acq: 15 Nov 2018 18:53

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 43 Resp: 66056

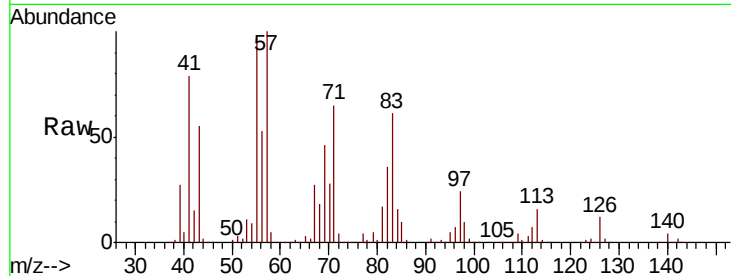
Ion Ratio Lower Upper

43 100

70 23.8 31.6 47.4#

55 199.0 19.7 29.5#

61 0.0 18.3 27.5#

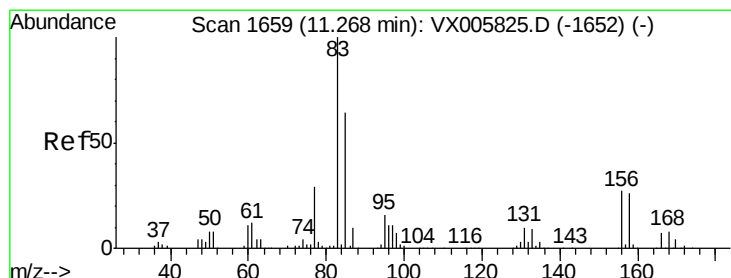
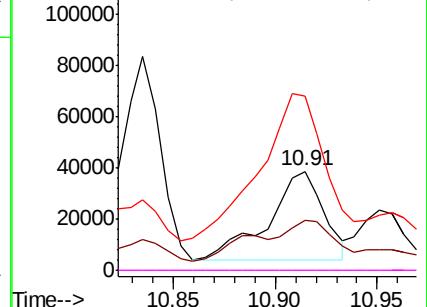
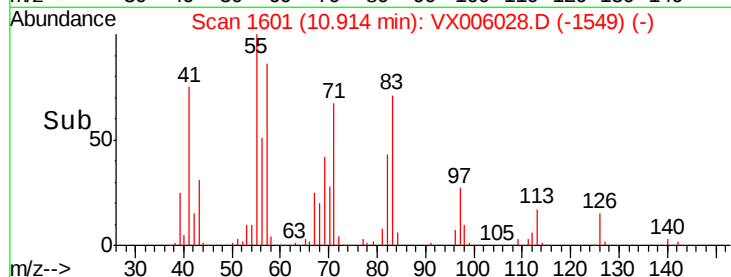


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 10.828 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.02 min

Lab File: VX006028.D

Acq: 15 Nov 2018 18:53

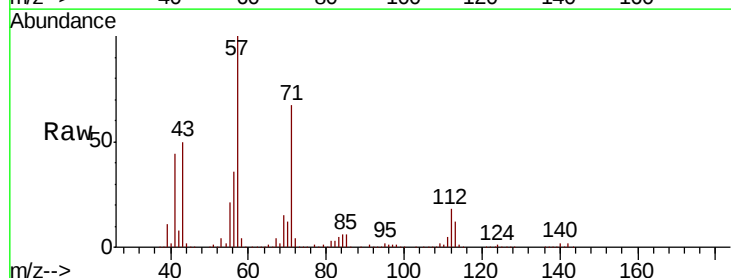
Tgt Ion: 83 Resp: 22482

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

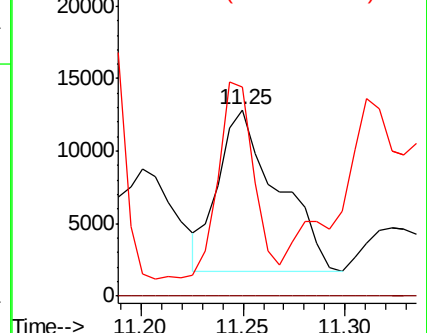
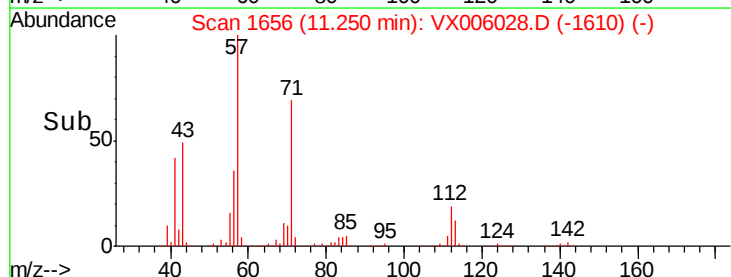
85 72.8 32.0 96.2

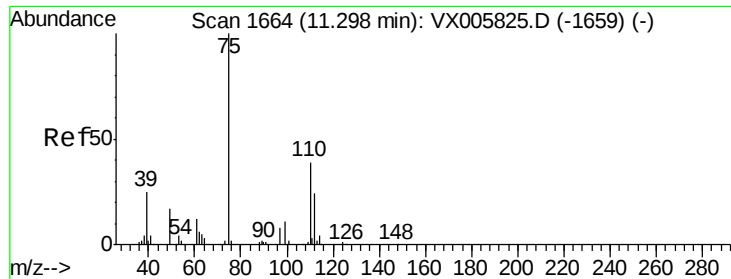


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



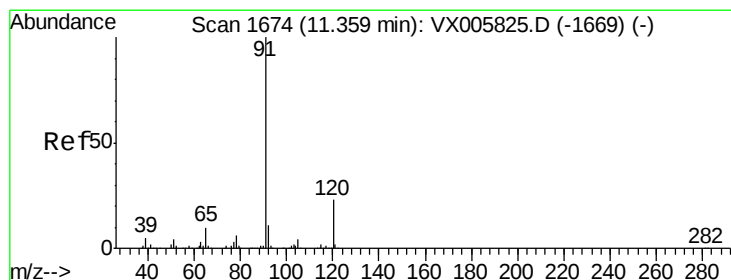
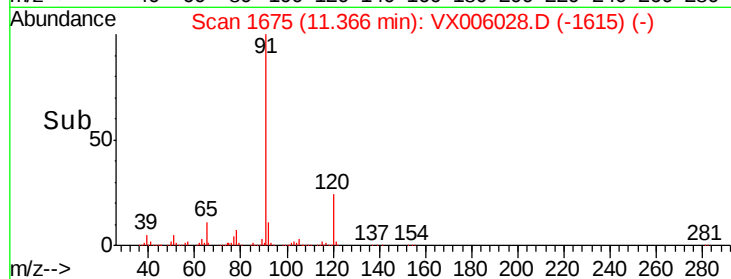
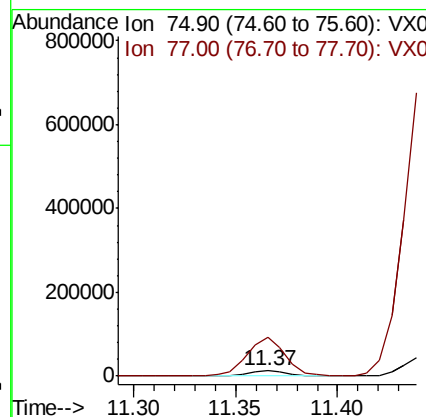
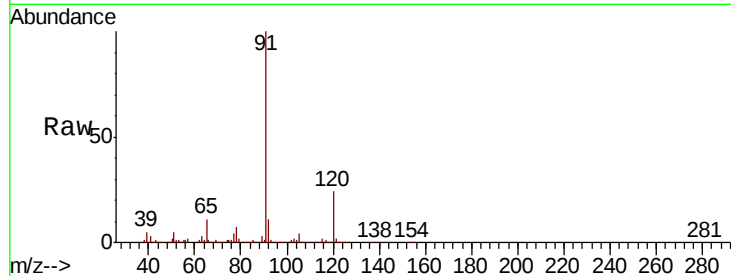


#76

1,2,3-Trichloropropane
Concen: 8.600 ug/l
RT: 11.37 min Scan# 1675
Delta R.T. 0.07 min
Lab File: VX006028.D
Acq: 15 Nov 2018 18:53

Instrument :
MSVOA_X
ClientSampleId :

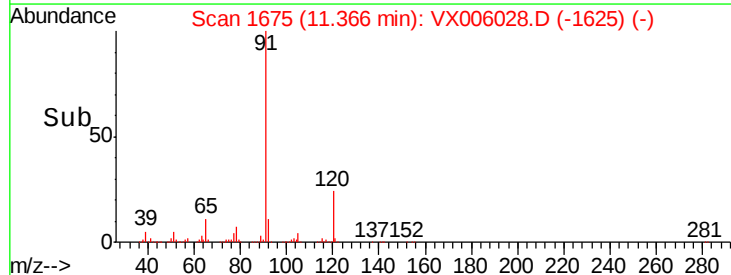
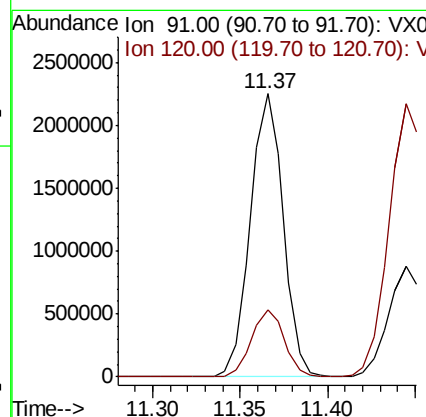
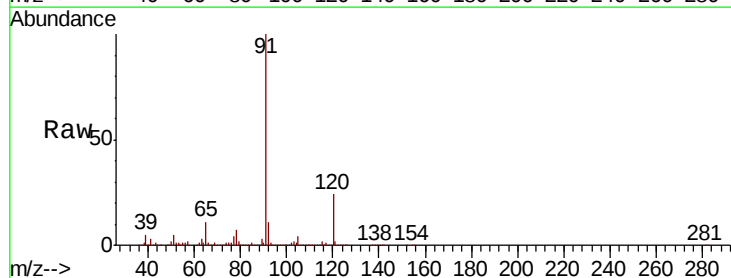
Tot Ion: 75 Resp: 17128
Ion Ratio Lower Upper
75 100
77 677.2 20.5 61.6#

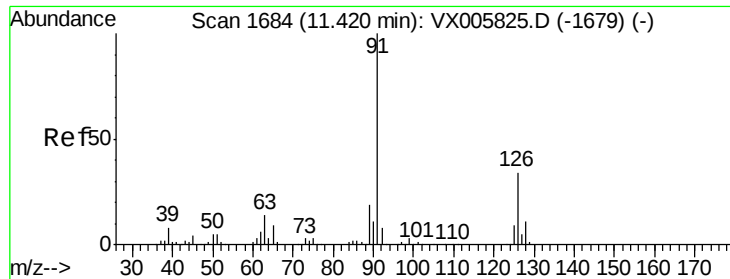


#78

n-propylbenzene
Concen: 440.780 ug/l
RT: 11.37 min Scan# 1675
Delta R.T. 0.01 min
Lab File: VX006028.D
Acq: 15 Nov 2018 18:53

Tgt Ion: 91 Resp: 2938413
Ion Ratio Lower Upper
91 100
120 23.4 11.9 35.5

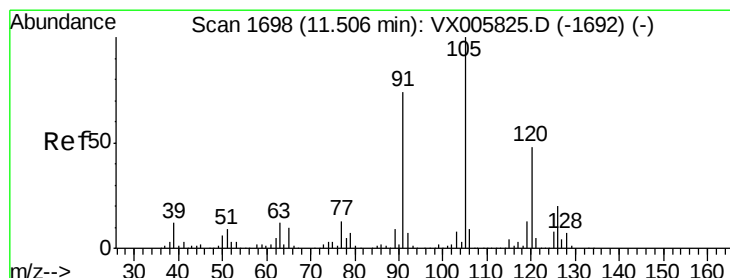
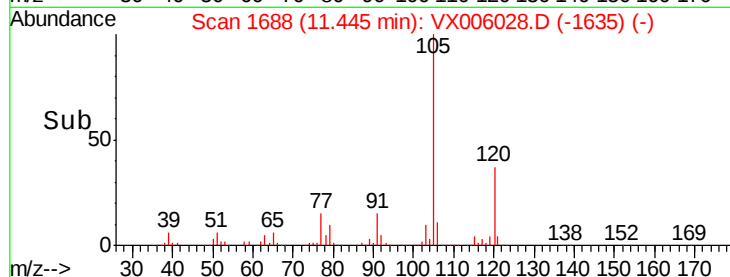
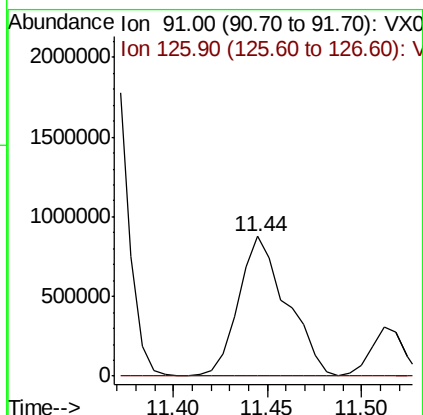
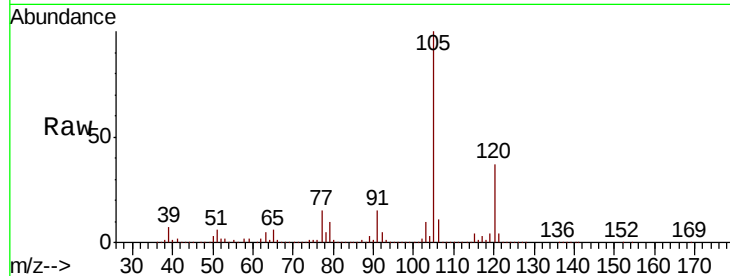




#79
 2-Chlorotoluene
 Concen: 385.068 ug/l
 RT: 11.44 min Scan# 1688
 Delta R.T. 0.02 min
 Lab File: VX006028.D
 Acq: 15 Nov 2018 18:53

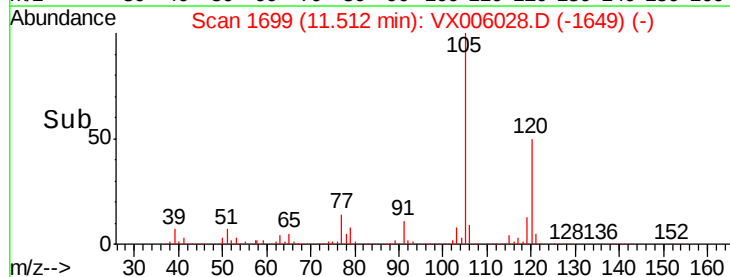
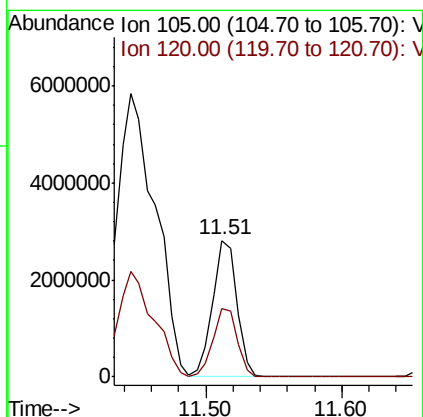
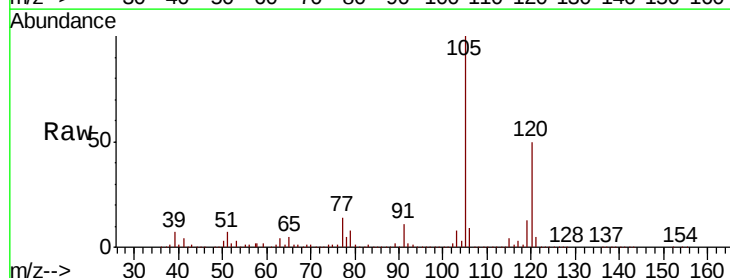
Instrument :
 MSVOA_X
 ClientSampleId :

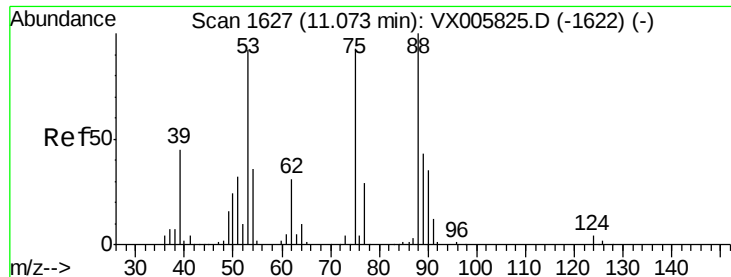
Tot Ion: 91 Resp: 1551598
 Ion Ratio Lower Upper
 91 100
 126 0.1 17.3 52.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 724.152 ug/l
 RT: 11.51 min Scan# 1699
 Delta R.T. 0.01 min
 Lab File: VX006028.D
 Acq: 15 Nov 2018 18:53

Tgt Ion:105 Resp: 3480911
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.1 72.2

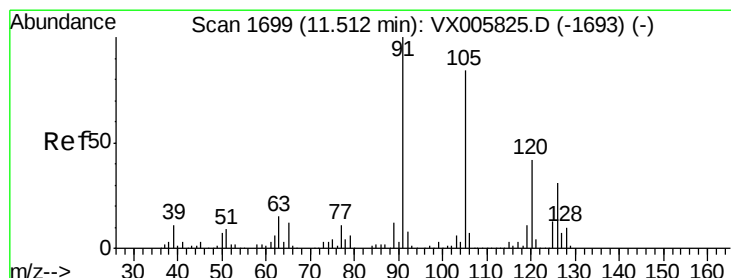
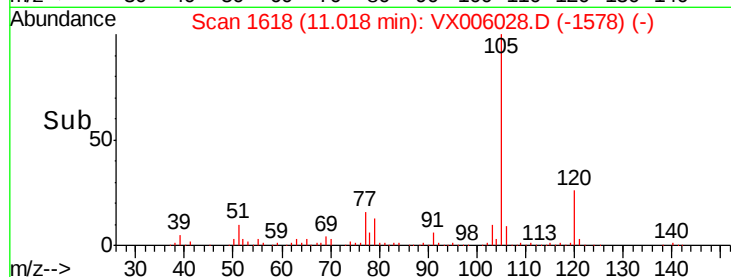
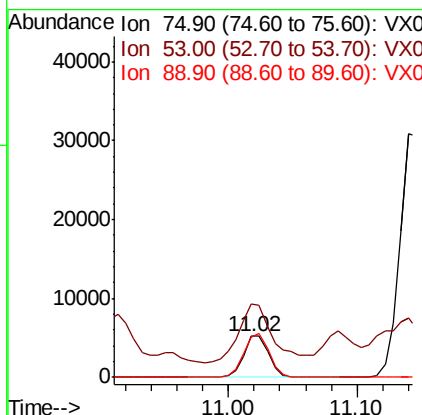
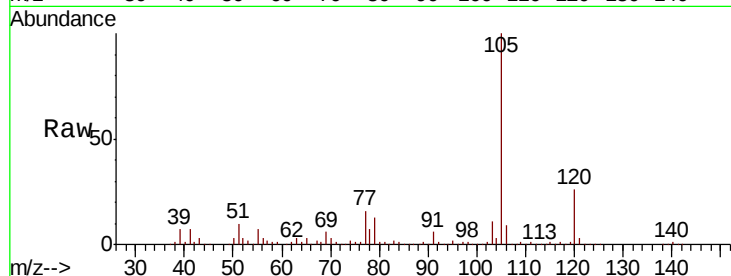




#81
trans-1,4-Dichloro-2-butene
Concen: 11.368 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.05 min
Lab File: VX006028.D
Acq: 15 Nov 2018 18:53

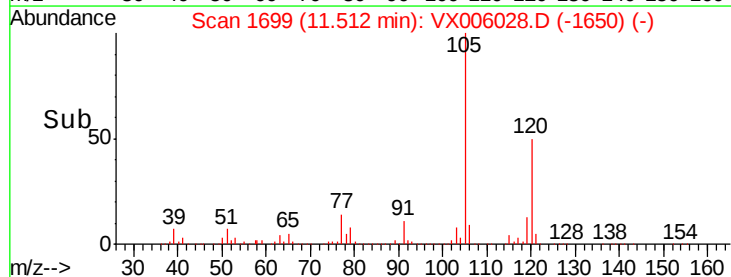
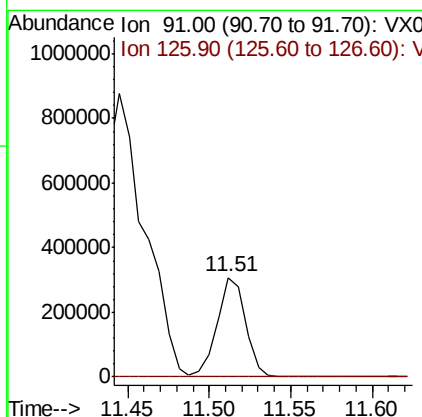
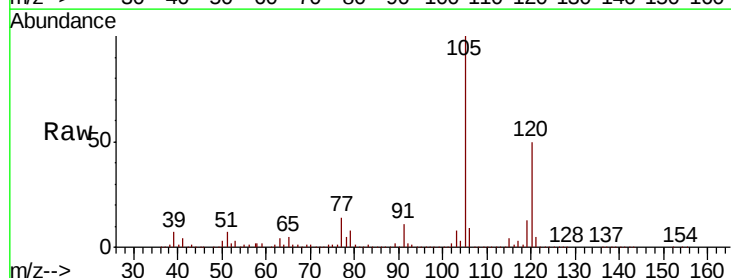
Instrument :
MSVOA_X
ClientSampleId :

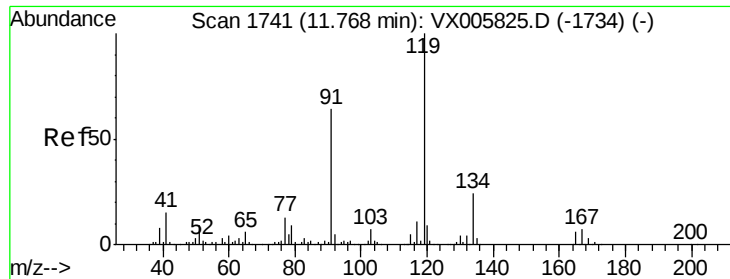
Tot Ion: 75 Resp: 7104
Ion Ratio Lower Upper
75 100
53 190.1 80.2 120.2#
89 105.9 39.8 59.8#



#82
4-Chlorotoluene
Concen: 78.074 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX006028.D
Acq: 15 Nov 2018 18:53

Tgt Ion: 91 Resp: 370760
Ion Ratio Lower Upper
91 100
126 0.4 15.2 45.6#

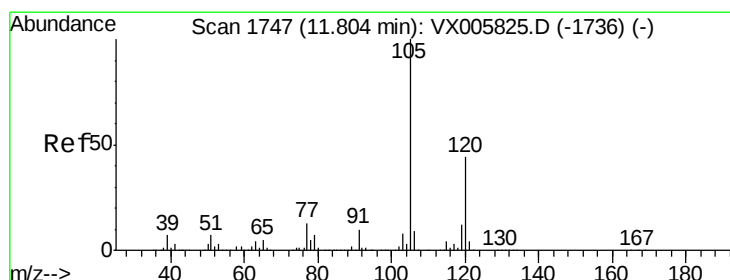
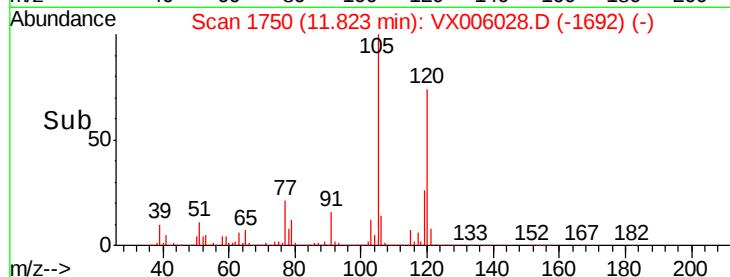
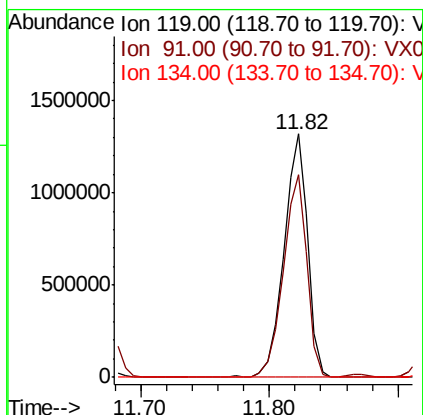
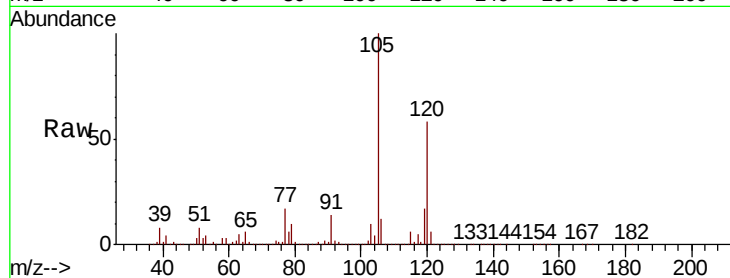




#83
tert-Butylbenzene
Concen: 347.554 ug/l
RT: 11.82 min Scan# 1750
Delta R.T. 0.05 min
Lab File: VX006028.D
Acq: 15 Nov 2018 18:53

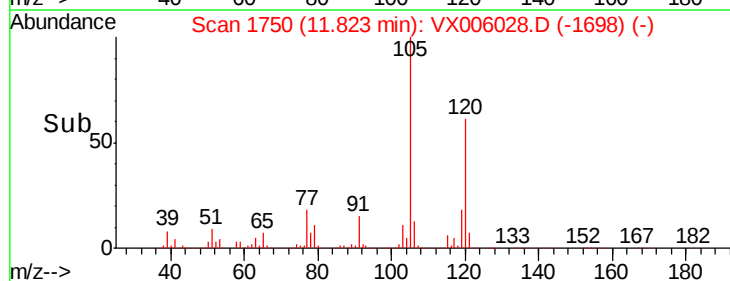
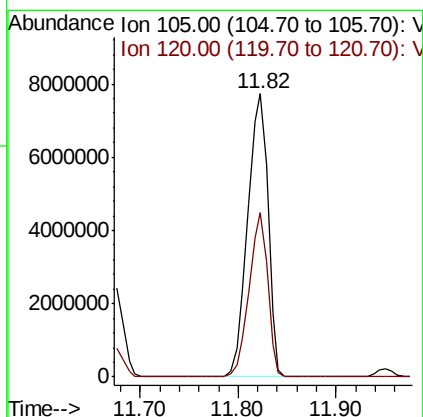
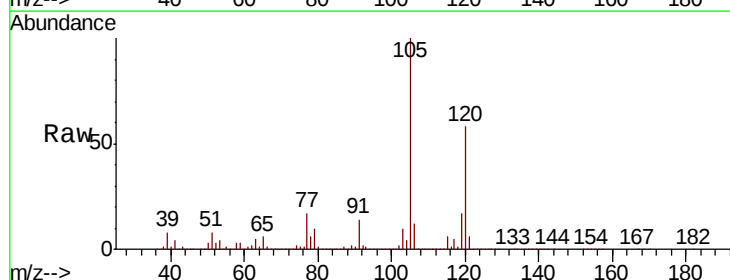
Instrument :
MSVOA_X
ClientSampleId :

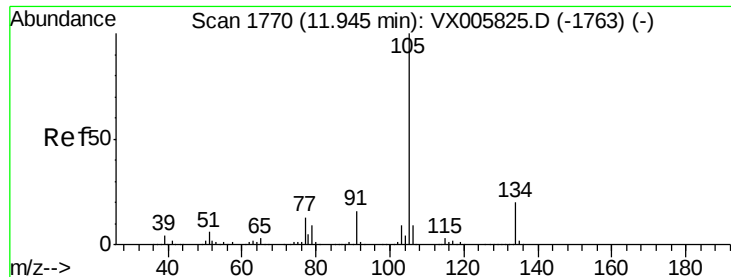
Tot Ion:119 Resp: 1690150
Ion Ratio Lower Upper
119 100
91 83.5 28.5 85.5
134 0.0 11.3 33.8#



#84
1,2,4-Trimethylbenzene
Concen: 2111.327 ug/l
RT: 11.82 min Scan# 1750
Delta R.T. 0.02 min
Lab File: VX006028.D
Acq: 15 Nov 2018 18:53

Tgt Ion:105 Resp:11173962
Ion Ratio Lower Upper
105 100
120 52.8 22.4 67.0





#85

sec-Butylbenzene

Concen: 1879.011 ug/l

RT: 11.82 min Scan# 1750

Delta R.T. -0.12 min

Lab File: VX006028.D

Acq: 15 Nov 2018 18:53

Instrument :

MSVOA_X

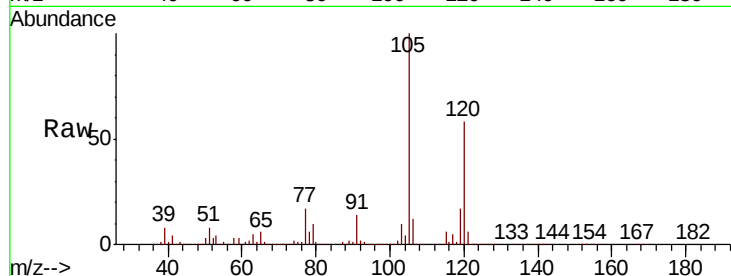
ClientSampleId :

Tot Ion:105 Resp:11173962

Ion Ratio Lower Upper

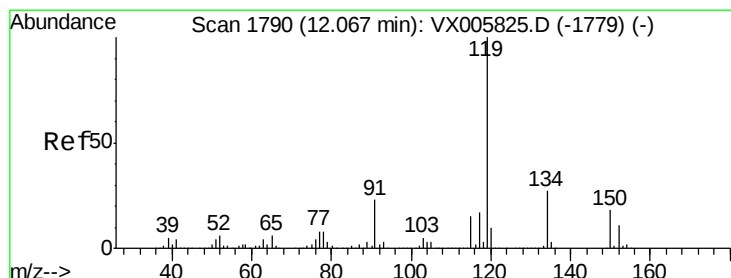
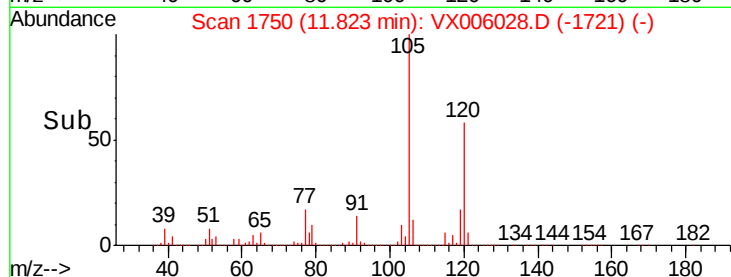
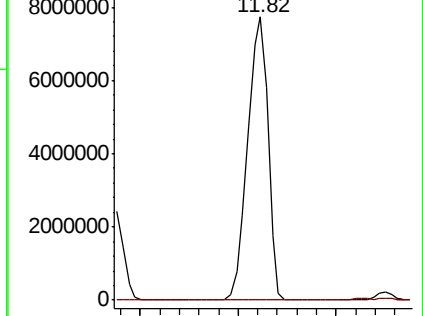
105 100

134 0.0 10.2 30.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 77.845 ug/l

RT: 12.03 min Scan# 1784

Delta R.T. -0.04 min

Lab File: VX006028.D

Acq: 15 Nov 2018 18:53

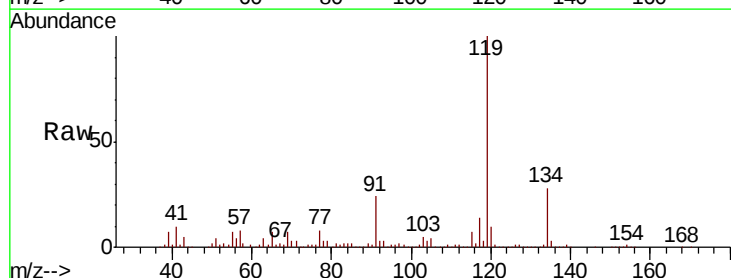
Tgt Ion:119 Resp: 410046

Ion Ratio Lower Upper

119 100

134 28.8 13.0 39.0

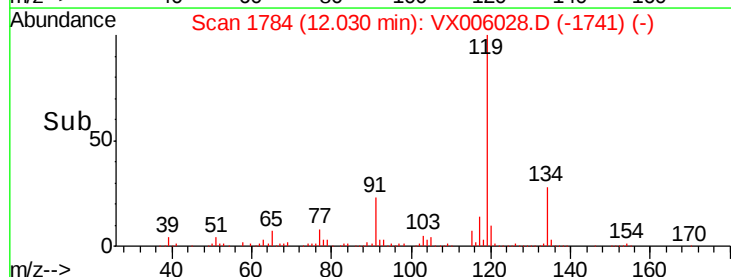
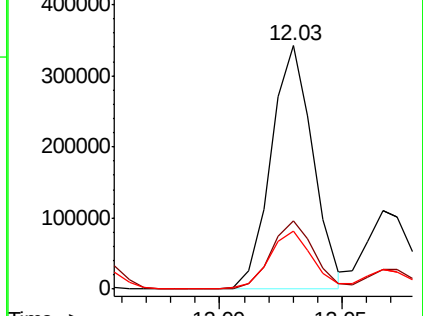
91 23.4 11.4 34.2

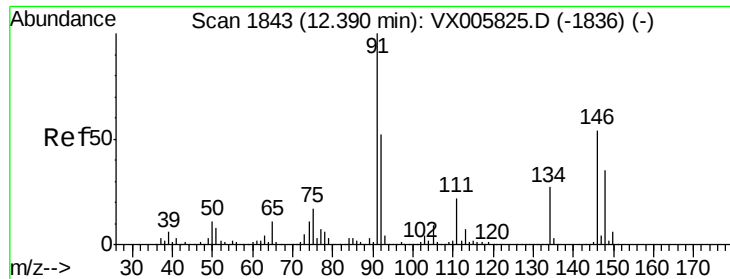


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

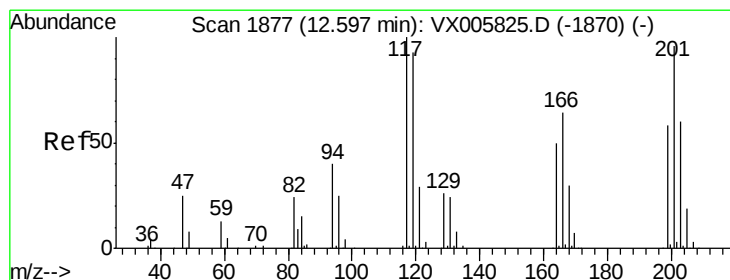
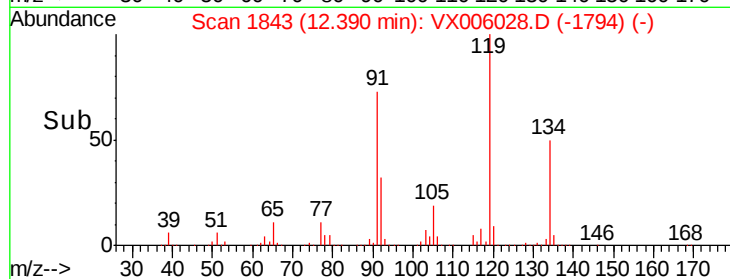
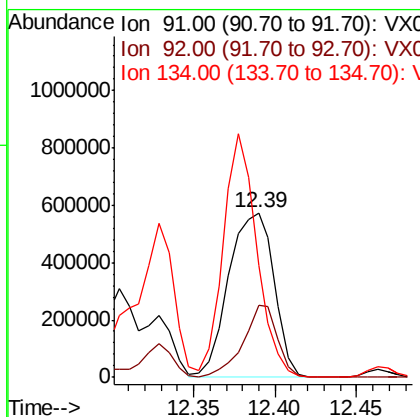
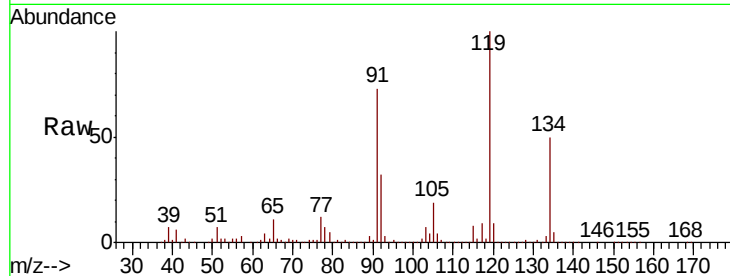




#89
n-Butylbenzene
Concen: 226.010 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006028.D
Acq: 15 Nov 2018 18:53

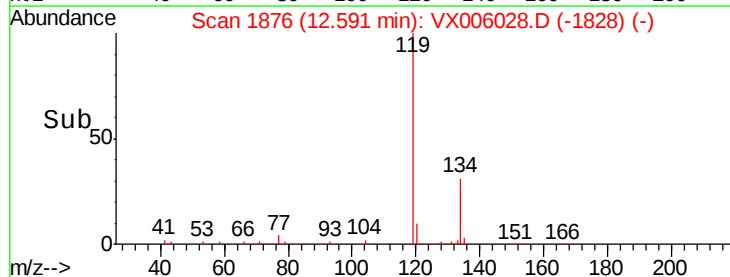
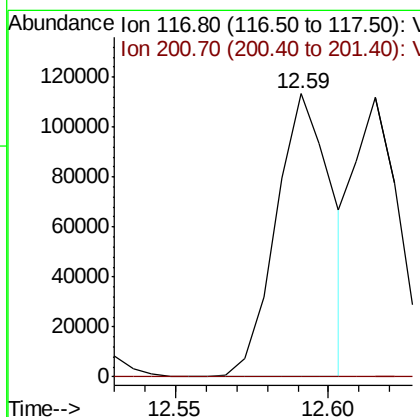
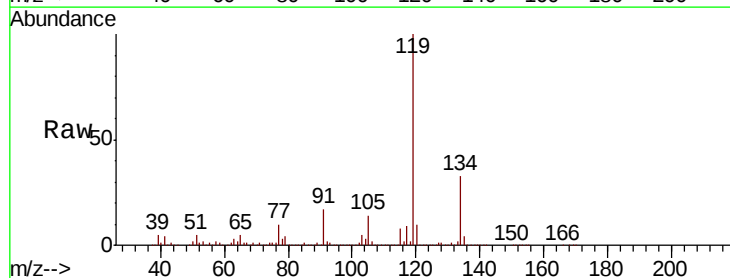
Instrument :
MSVOA_X
ClientSampleId :

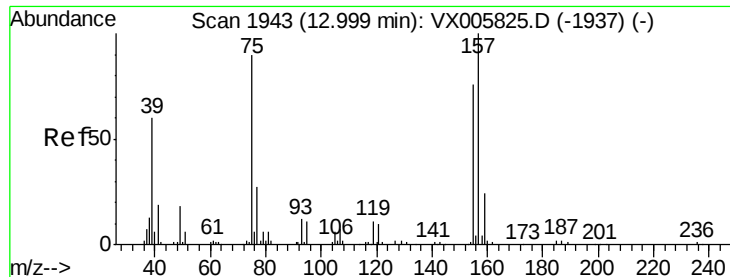
Tot Ion: 91 Resp: 1103365
Ion Ratio Lower Upper
91 100
92 33.3 26.1 78.2
134 109.7 13.1 39.3#



#90
Hexachloroethane
Concen: 163.599 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX006028.D
Acq: 15 Nov 2018 18:53

Tgt Ion: 117 Resp: 143875
Ion Ratio Lower Upper
117 100
201 0.0 47.9 143.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 18.940 ug/l

RT: 12.98 min Scan# 1940

Delta R.T. -0.02 min

Lab File: VX006028.D

Acq: 15 Nov 2018 18:53

Instrument :

MSVOA_X

ClientSampleId :

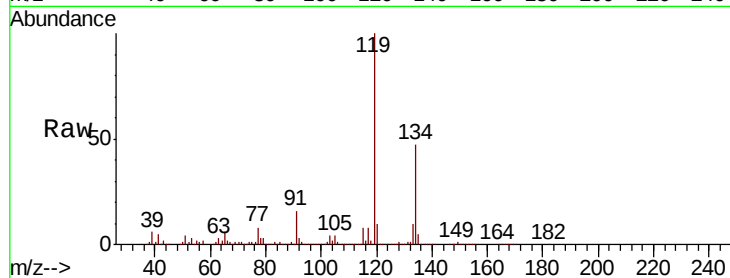
Tot Ion: 75 Resp: 9596

Ion Ratio Lower Upper

75 100

155 13.5 45.4 136.1#

157 0.0 57.4 172.0#



Abundance Ion 74.90 (74.60 to 75.60): VX006028.D (-1894) (-)

Ion 154.80 (154.50 to 155.50): VX006028.D (-1894) (-)

Ion 156.80 (156.50 to 157.50): VX006028.D (-1894) (-)

Time-->

12.98

12.95

13.00

13.05

13.10

13.15

13.20

13.25

13.30

13.35

13.40

13.45

13.50

13.55

13.60

13.65

13.70

13.75

13.80

13.85

13.90

13.95

14.00

14.05

14.10

14.15

14.20

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