

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100418\
 Data File : VX005050.D
 Acq On : 05 Oct 2018 06:17
 Operator : JC/MD
 Sample : J5207-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 88 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 05 07:17:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	214636	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	327537	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	321543	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	174402	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	160467	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
35) Dibromofluoromethane	5.51	113	143168	51.57	ug/l	0.01
Spiked Amount	50.000		Recovery	=	103.14%	
50) Toluene-d8	8.72	98	471373	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
62) 4-Bromofluorobenzene	11.14	95	168236	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	

Target Compounds

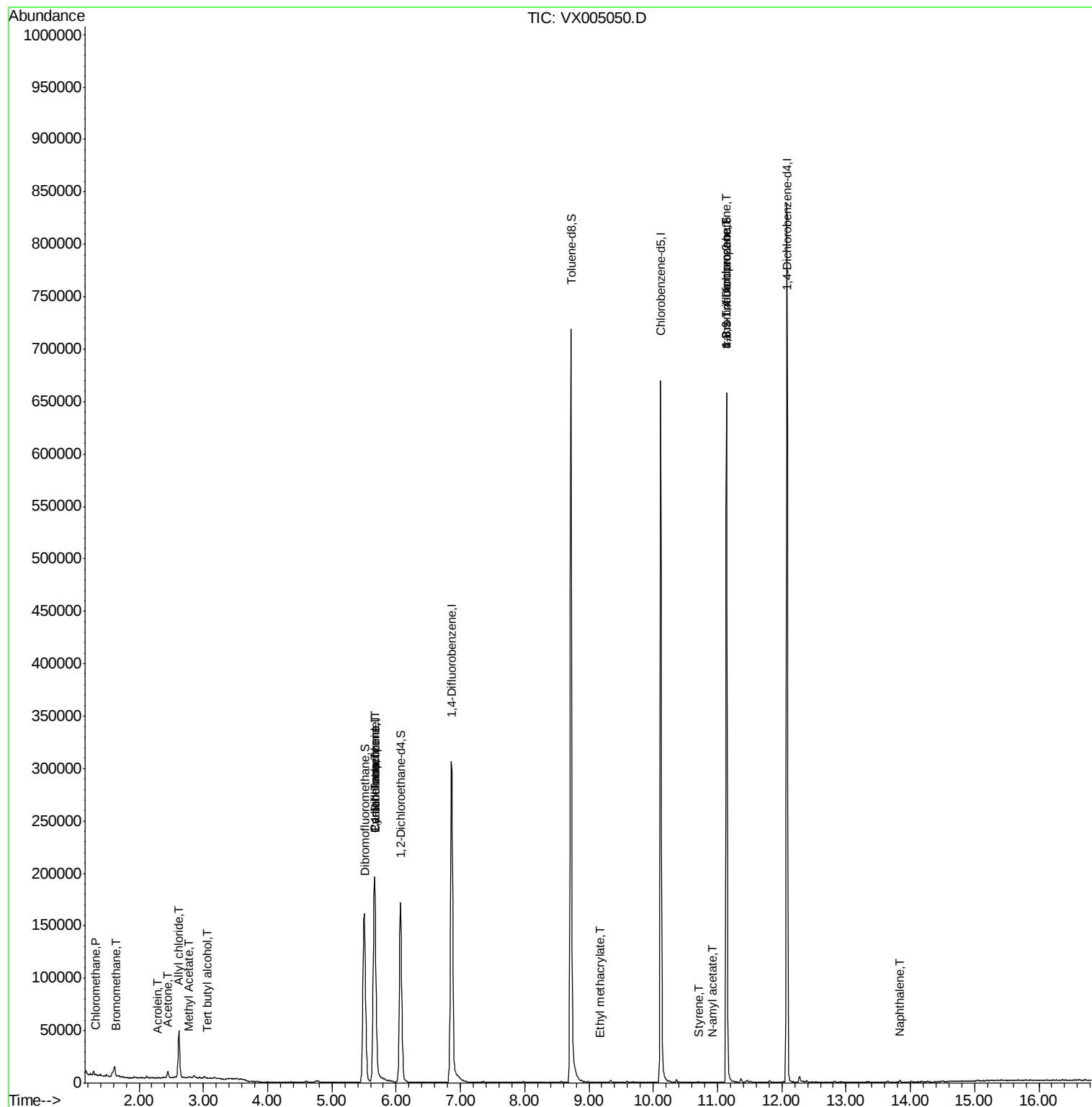
					Qvalue	
3) Chloromethane	1.32	50	821	0.231	ug/l #	83
5) Bromomethane	1.64	94	933	0.472	ug/l #	63
6) Chloroethane	1.72	64	116	Below Cal	#	72
11) Tert butyl alcohol	3.07	59	257	0.300	ug/l #	32
13) Acrolein	2.29	56	216	0.354	ug/l #	10
14) Allyl chloride	2.62	41	4493	0.885	ug/l #	53
16) Acetone	2.45	43	6829	3.815	ug/l	94
18) Methyl Acetate	2.78	43	1138	0.251	ug/l #	89
20) Methylene Chloride	2.85	84	814	Below Cal	#	85
31) Cyclohexane	5.67	56	4136	1.060	ug/l #	16
36) 1,1-Dichloropropene	5.67	75	14023	3.703	ug/l #	46
38) Carbon Tetrachloride	5.66	117	18692	4.695	ug/l #	18
56) Ethyl methacrylate	9.17	69	19	2.866	ug/l #	23
70) Styrene	10.72	104	60	2.147	ug/l #	55
74) N-amyl acetate	10.91	43	94	1.763	ug/l #	29
76) 1,2,3-Trichloropropane	11.14	75	83150	21.272	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	299	Below Cal		79
81) trans-1,4-Dichloro-2-buten	11.14	75	83150	57.697	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	809	Below Cal		88
95) Naphthalene	13.84	128	812	0.775	ug/l	98

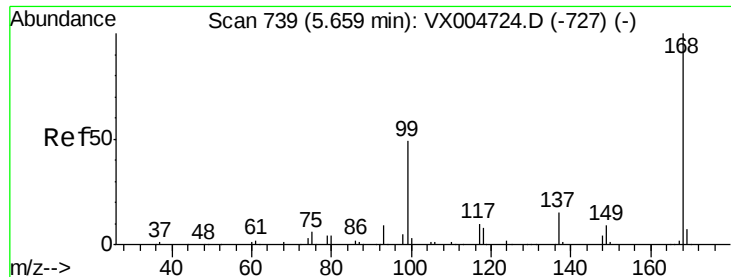
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 05 07:17:37 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration

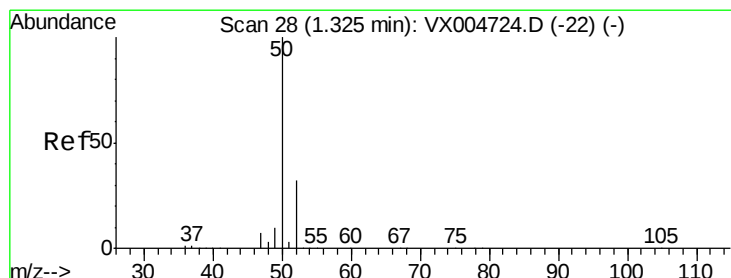
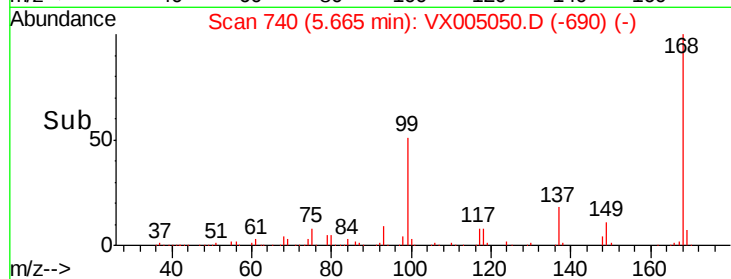
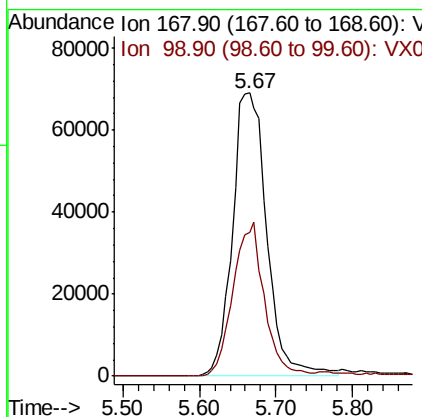
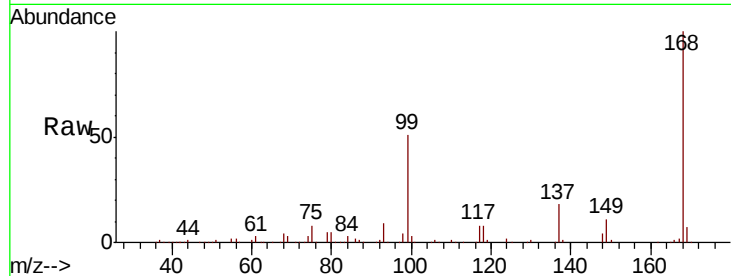




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX005050.D
Acq: 05 Oct 2018 06:17

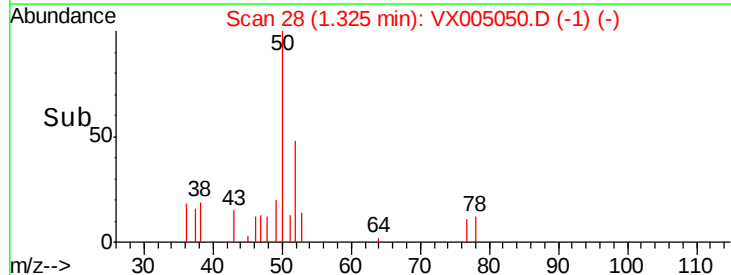
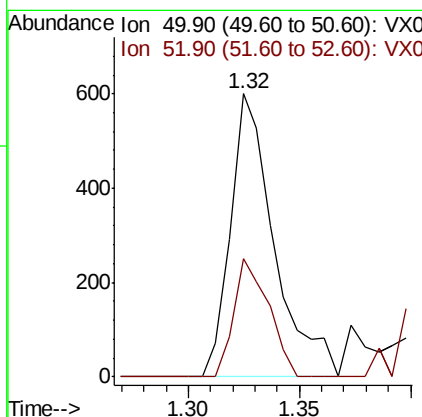
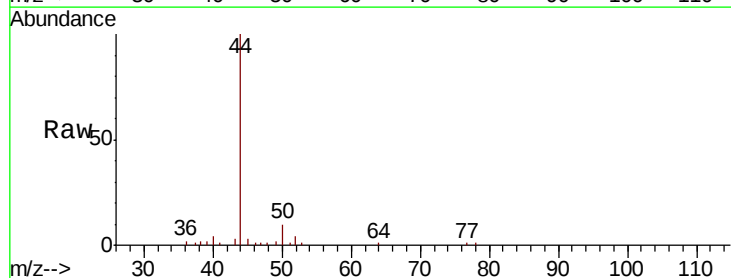
Instrument :
MSVOA_X
ClientSampleId :

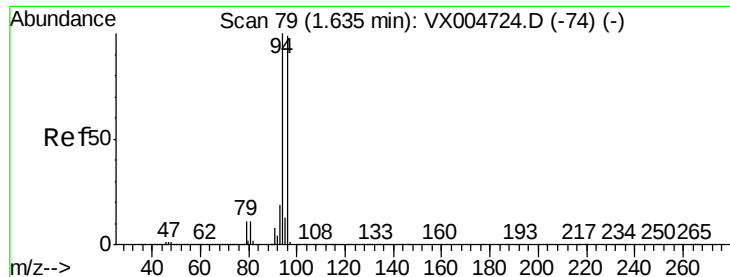
Tot Ion:168 Resp: 214636
Ion Ratio Lower Upper
168 100
99 50.7 39.3 58.9



#3
Chloromethane
Concen: 0.231 ug/l
RT: 1.32 min Scan# 28
Delta R.T. 0.00 min
Lab File: VX005050.D
Acq: 05 Oct 2018 06:17

Tgt Ion: 50 Resp: 821
Ion Ratio Lower Upper
50 100
52 41.8 25.8 38.6#





#5

Bromomethane

Concen: 0.472 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005050.D

Acq: 05 Oct 2018 06:17

Instrument :

MSVOA_X

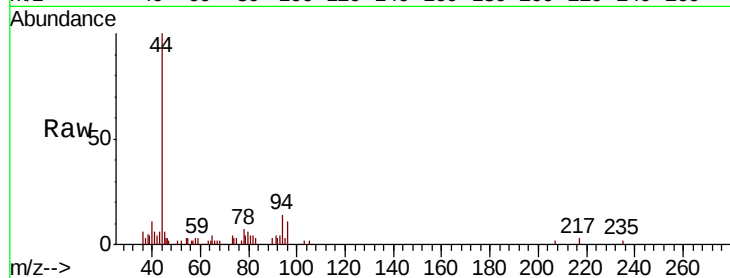
ClientSampled :

Tot Ion: 94 Resp: 933

Ion Ratio Lower Upper

94 100

96 62.4 79.5 119.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

400

300

200

100

0

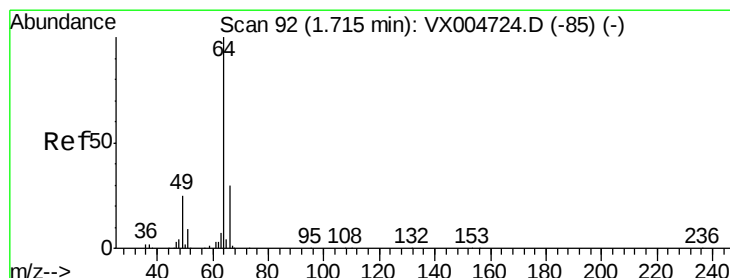
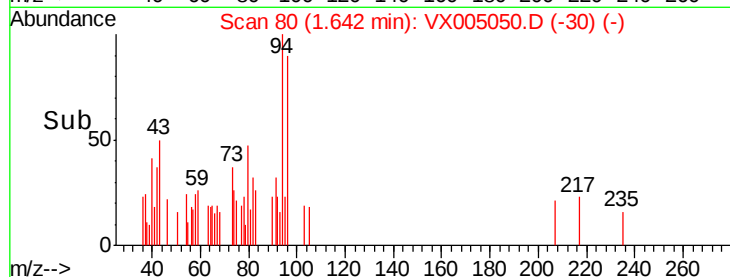
1.55

1.60

1.65

1.70

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005050.D

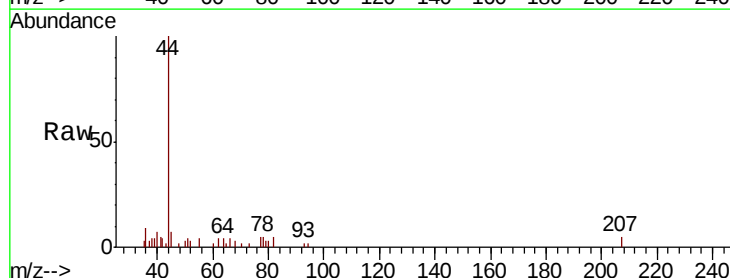
Acq: 05 Oct 2018 06:17

Tgt Ion: 64 Resp: 116

Ion Ratio Lower Upper

64 100

66 44.9 23.8 35.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

100

50

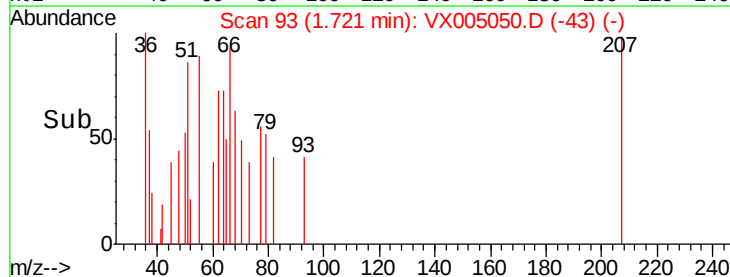
0

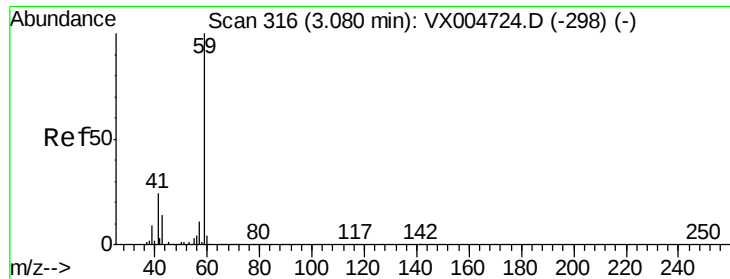
1.70

1.72

1.74

Time-->

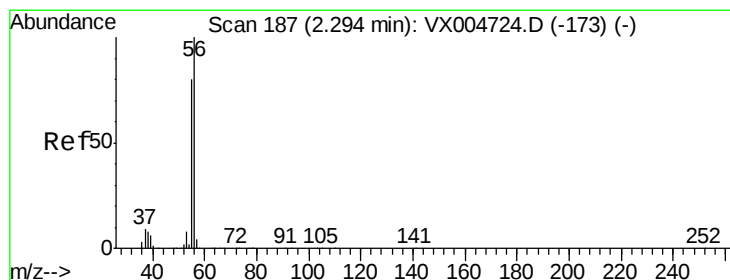
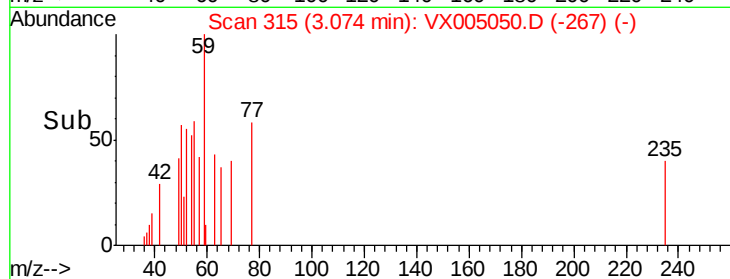
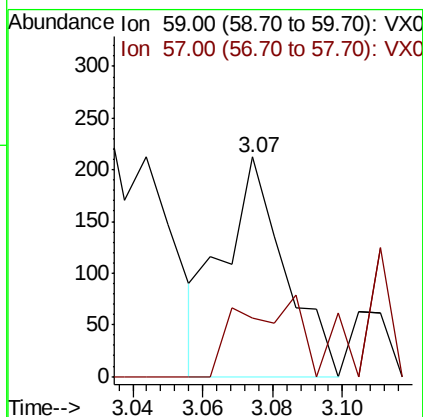
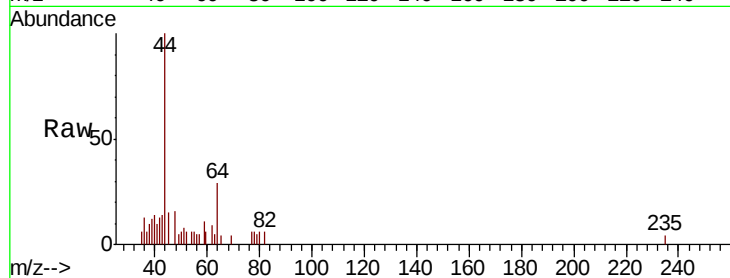




#11
Tert butyl alcohol
Concen: 0.300 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX005050.D
Acq: 05 Oct 2018 06:17

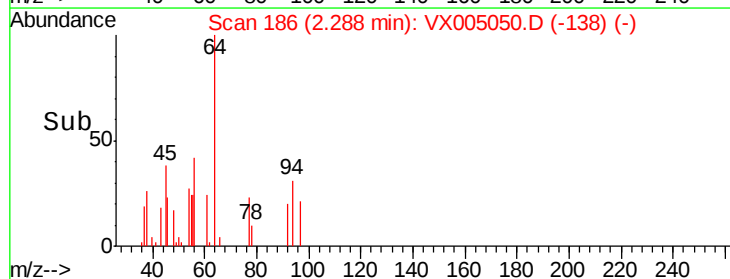
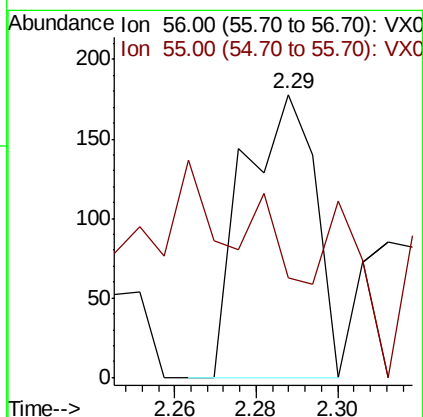
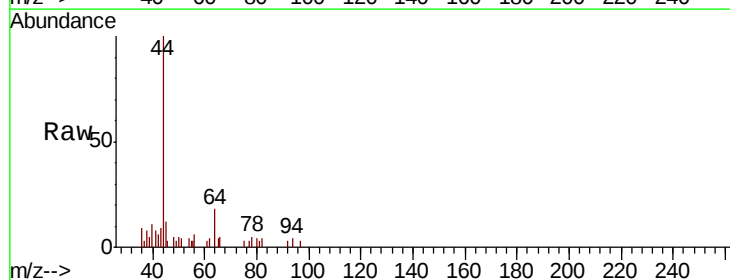
Instrument :
MSVOA_X
ClientSampled :

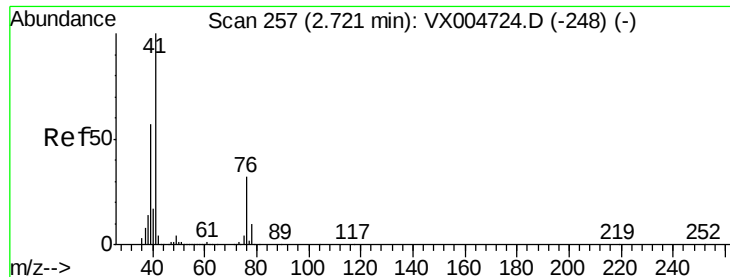
Tot Ion: 59 Resp: 257
Ion Ratio Lower Upper
59 100
57 36.2 8.6 12.8#



#13
Acrolein
Concen: 0.354 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX005050.D
Acq: 05 Oct 2018 06:17

Tgt Ion: 56 Resp: 216
Ion Ratio Lower Upper
56 100
55 0.0 63.4 95.2#





#14

Allvl chloride

Concen: 0.885 ug/l

RT: 2.62 min Scan# 240

Delta R.T. -0.10 min

Lab File: VX005050.D

Acq: 05 Oct 2018 06:17

Instrument :

MSVOA_X

ClientSampleId :

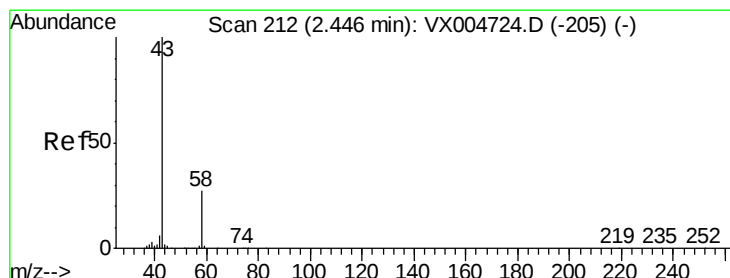
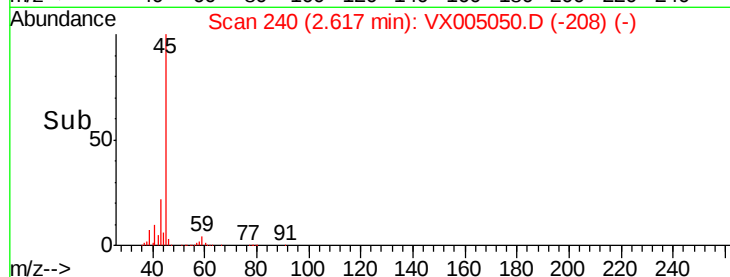
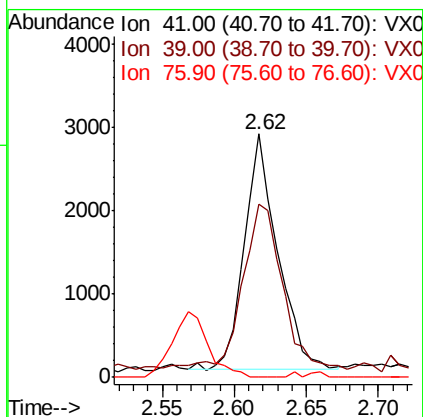
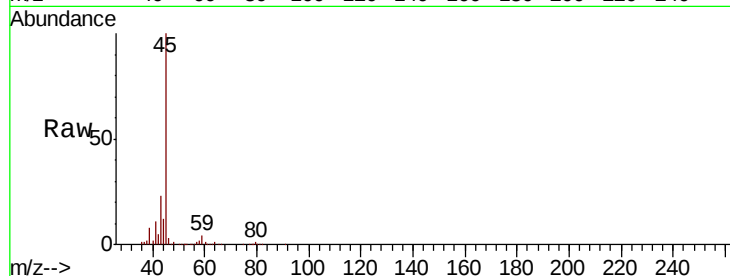
Tot Ion: 41 Resp: 4493

Ion Ratio Lower Upper

41 100

39 85.0 44.1 66.1#

76 0.0 25.0 37.4#



#16

Acetone

Concen: 3.815 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005050.D

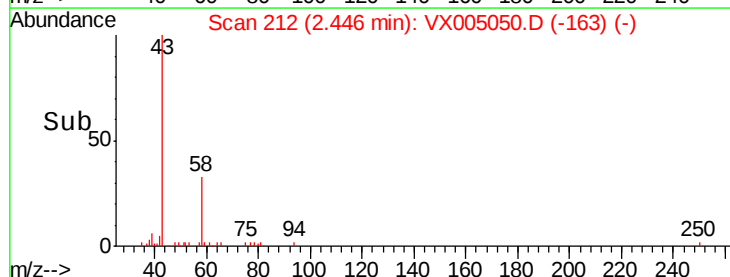
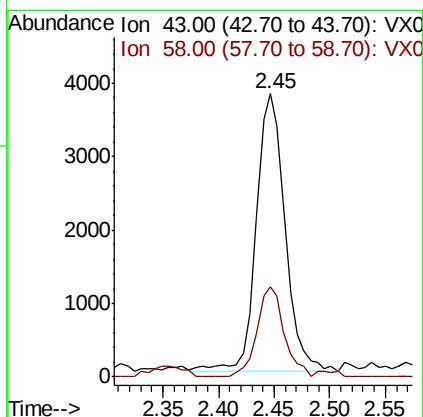
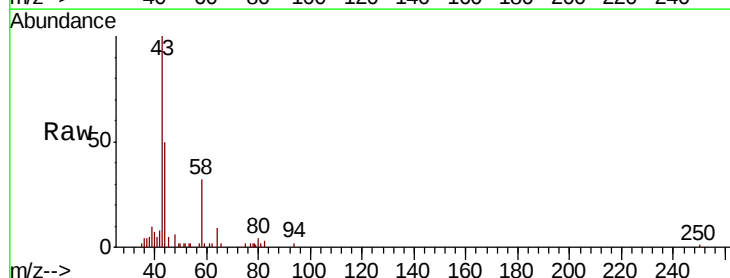
Acq: 05 Oct 2018 06:17

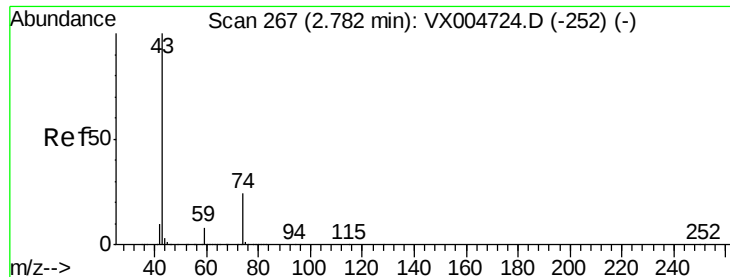
Tgt Ion: 43 Resp: 6829

Ion Ratio Lower Upper

43 100

58 30.4 21.8 32.6

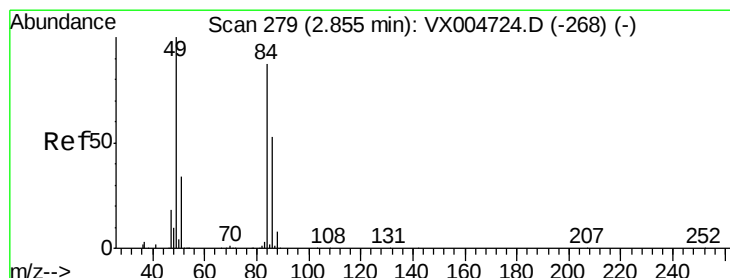
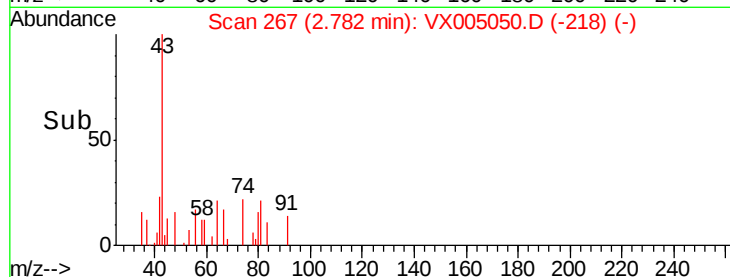
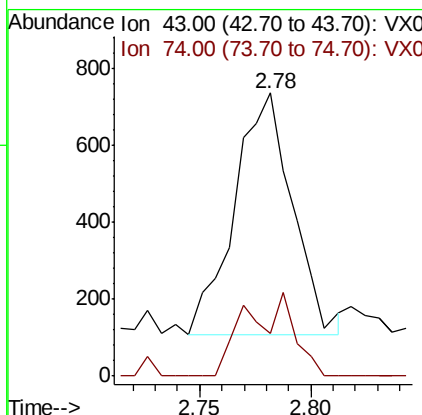
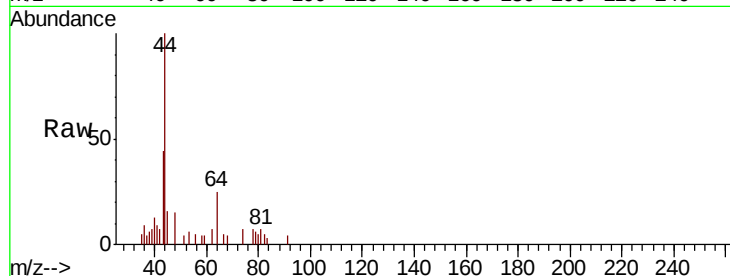




#18
Methyl Acetate
Concen: 0.251 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005050.D
Acq: 05 Oct 2018 06:17

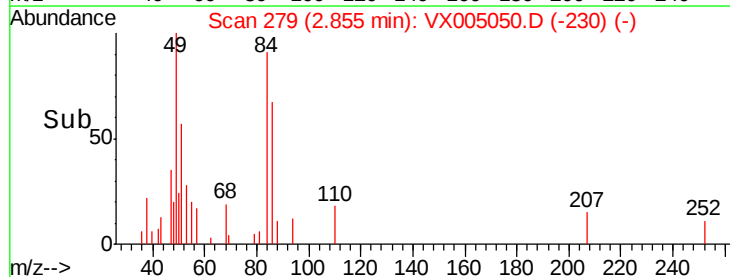
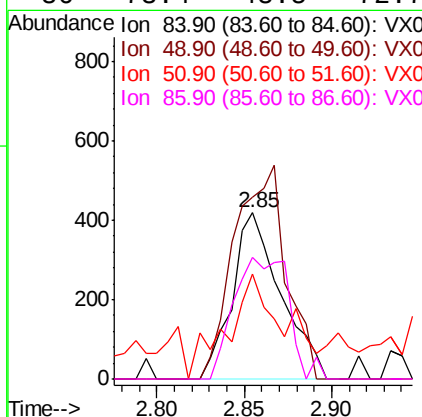
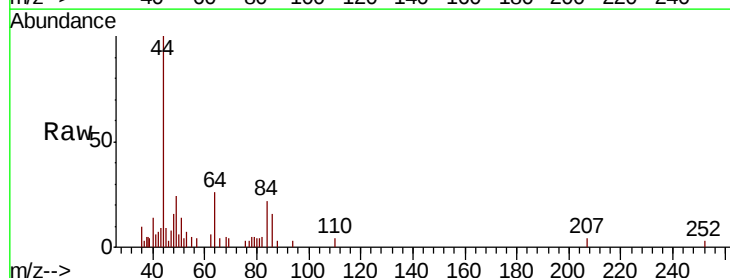
Instrument :
MSVOA_X
ClientSampled :

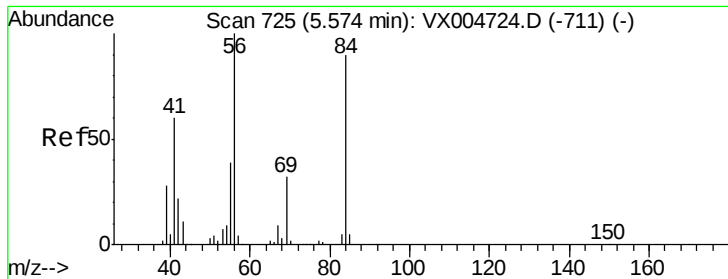
Tot Ion: 43 Resp: 1138
Ion Ratio Lower Upper
43 100
74 17.0 17.8 26.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005050.D
Acq: 05 Oct 2018 06:17

Tgt Ion: 84 Resp: 814
Ion Ratio Lower Upper
84 100
49 109.6 92.3 138.5
51 62.9 31.8 47.6#
86 73.4 48.5 72.7#

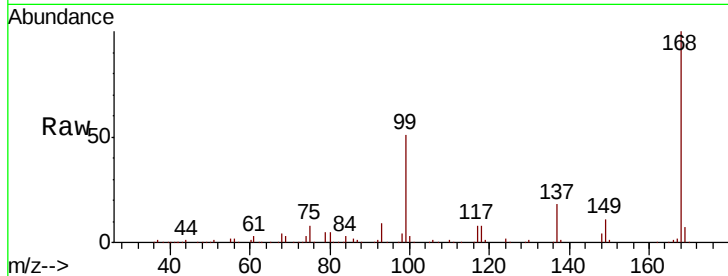




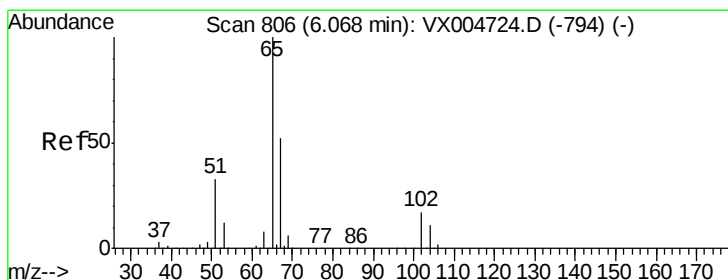
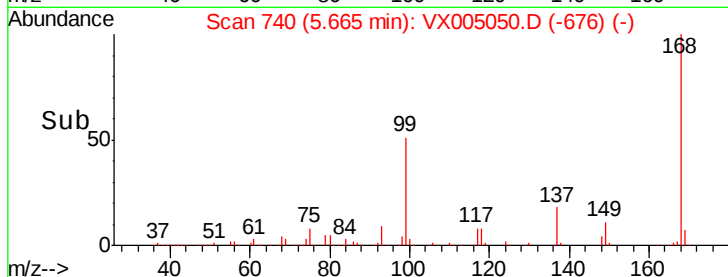
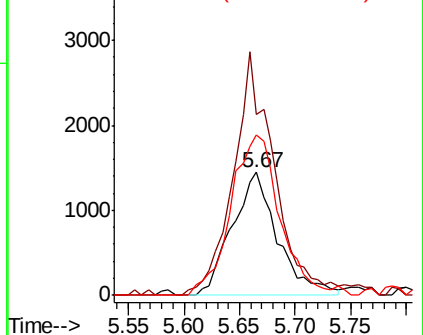
#31
Cyclohexane
Concen: 1.060 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX005050.D
Acq: 05 Oct 2018 06:17

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 4136
Ion Ratio Lower Upper
56 100
69 142.5 25.9 38.9#
84 130.9 71.9 107.9#

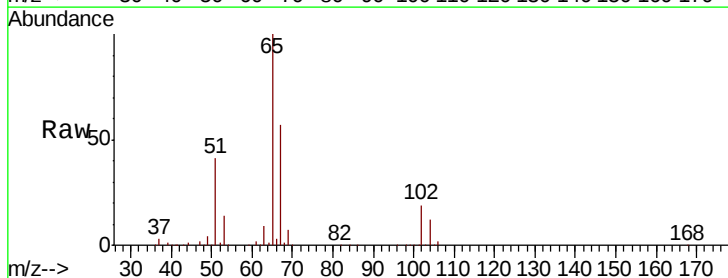


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

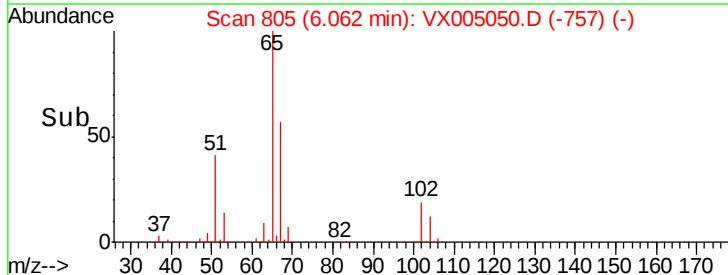
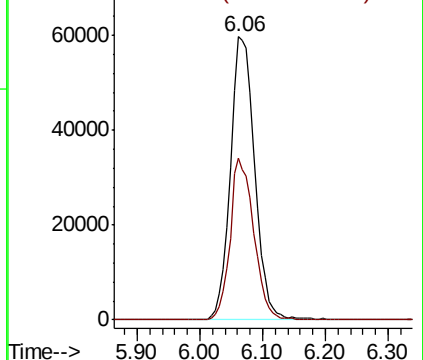


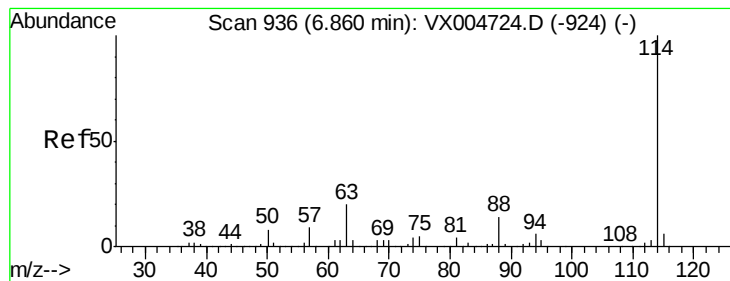
#33
1,2-Dichloroethane-d4
Concen: 52.336 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.01 min
Lab File: VX005050.D
Acq: 05 Oct 2018 06:17

Tgt Ion: 65 Resp: 160467
Ion Ratio Lower Upper
65 100
67 55.3 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX005050.D

Acq: 05 Oct 2018 06:17

Instrument :

MSVOA_X

ClientSampleId :

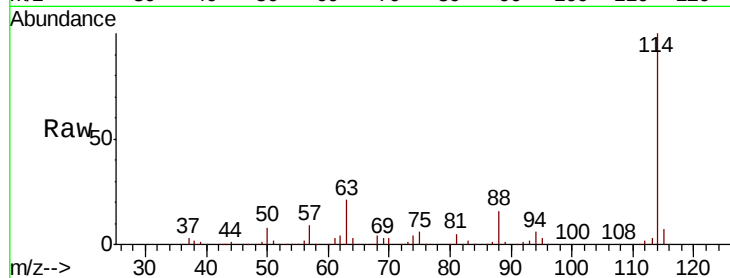
Tot Ion:114 Resp: 327537

Ion Ratio Lower Upper

114 100

63 21.0 0.0 39.8

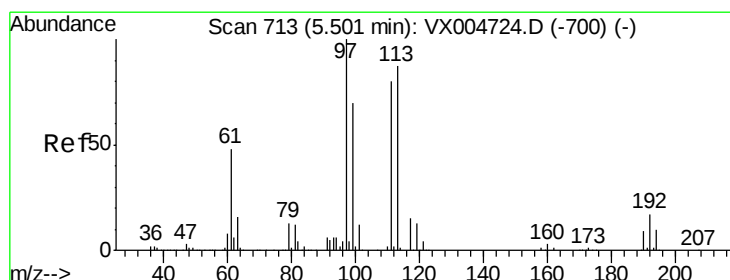
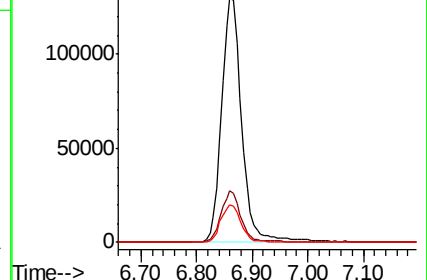
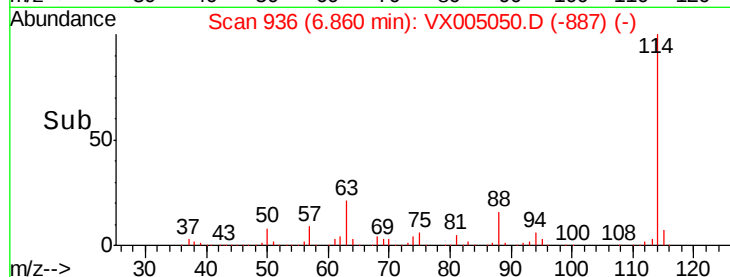
88 15.7 0.0 27.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 51.575 ug/l

RT: 5.51 min Scan# 715

Delta R.T. 0.01 min

Lab File: VX005050.D

Acq: 05 Oct 2018 06:17

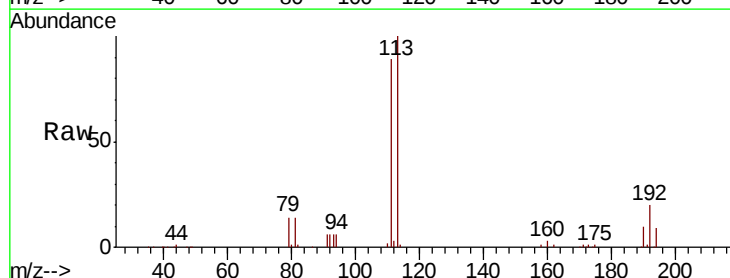
Tgt Ion:113 Resp: 143168

Ion Ratio Lower Upper

113 100

111 100.9 77.0 115.4

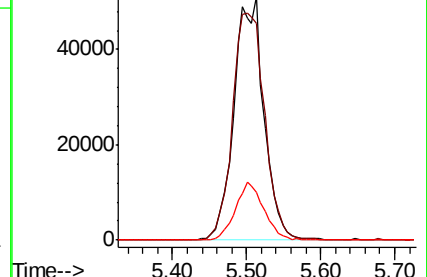
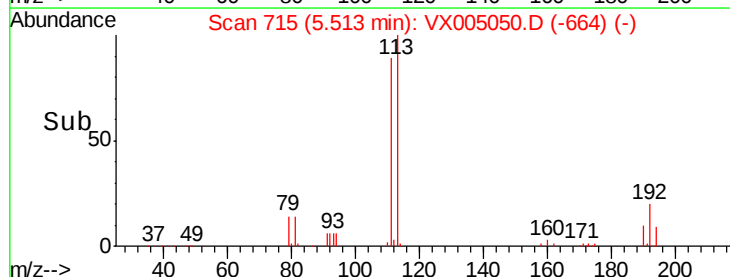
192 22.6 17.0 25.6

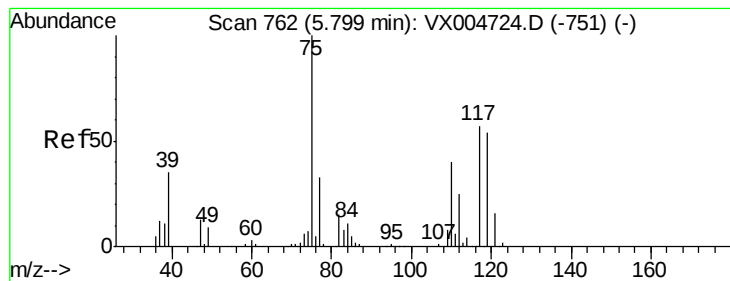


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.703 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005050.D

Acq: 05 Oct 2018 06:17

Instrument :

MSVOA_X

ClientSampleId :

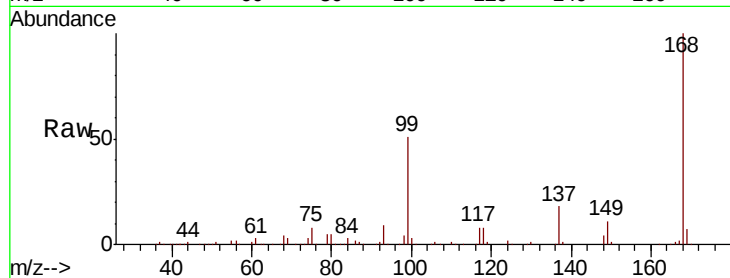
Tot Ion: 75 Resp: 14023

Ion Ratio Lower Upper

75 100

110 9.6 20.0 59.9#

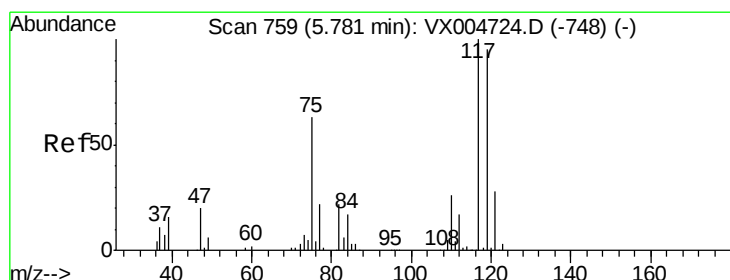
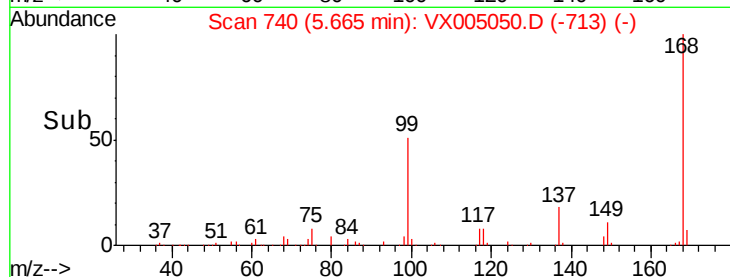
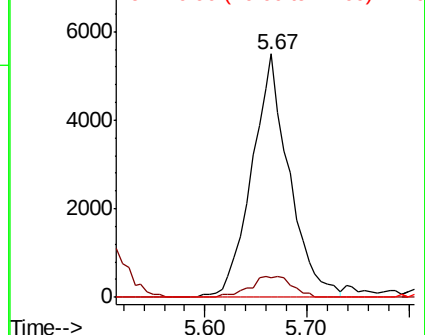
77 0.0 27.1 40.7#



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: 4.695 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX005050.D

Acq: 05 Oct 2018 06:17

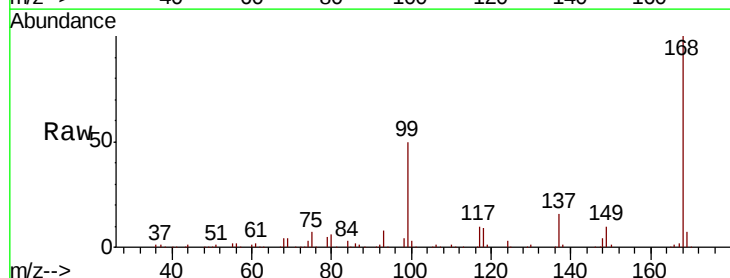
Tgt Ion: 117 Resp: 18692

Ion Ratio Lower Upper

117 100

119 6.2 75.2 112.8#

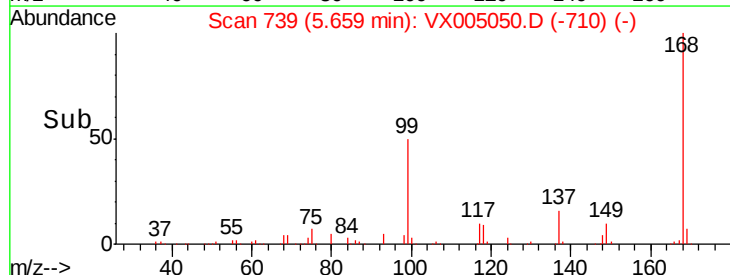
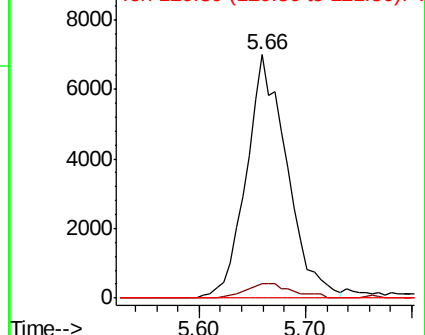
121 0.0 22.5 33.7#

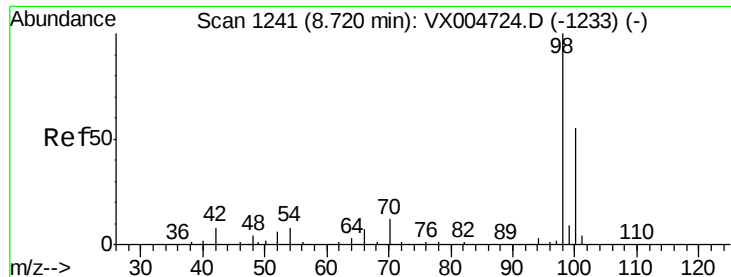


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

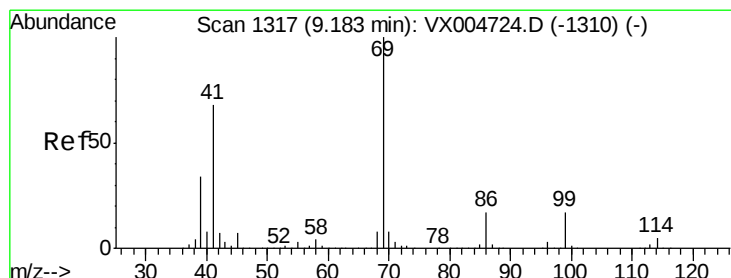
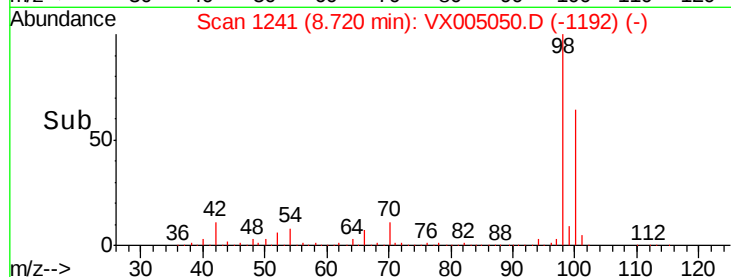
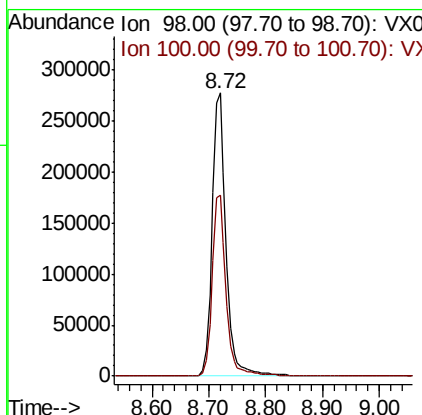
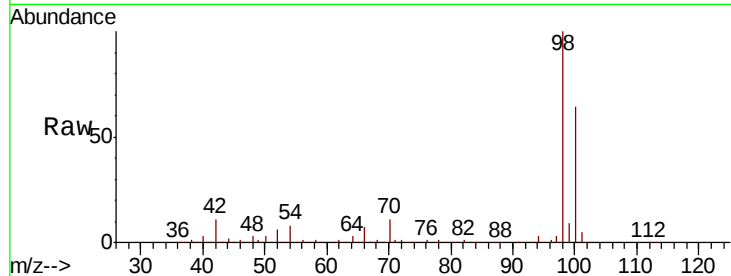




#50
Toluene-d8
Concen: 51.078 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX005050.D
Acq: 05 Oct 2018 06:17

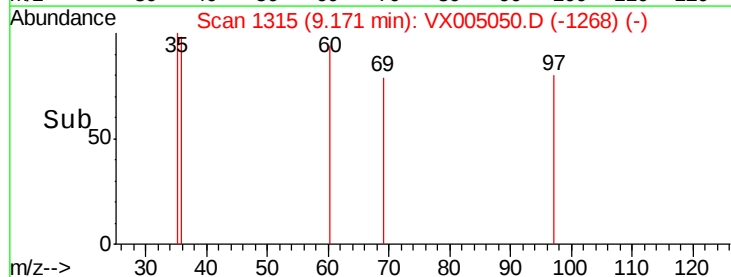
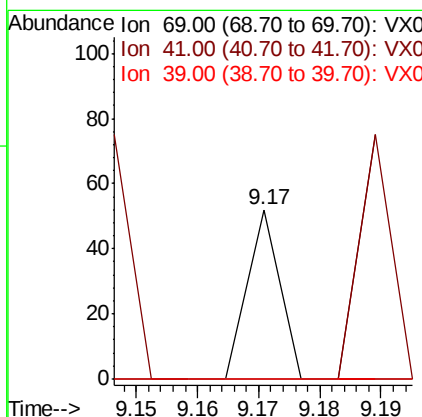
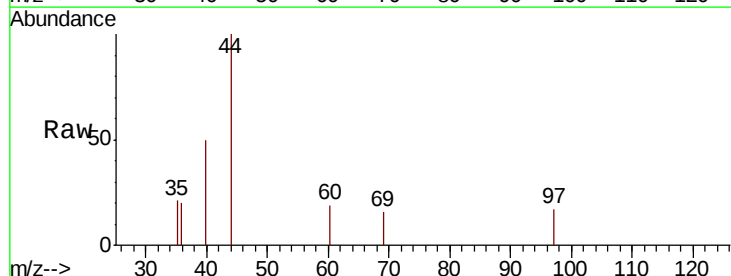
Instrument :
MSVOA_X
ClientSampleId :

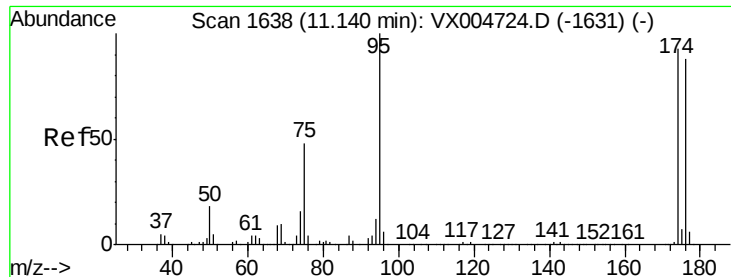
Tot Ion: 98 Resp: 471373
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9



#56
Ethyl methacrylate
Concen: 2.866 ug/l
RT: 9.17 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VX005050.D
Acq: 05 Oct 2018 06:17

Tgt Ion: 69 Resp: 19
Ion Ratio Lower Upper
69 100
41 142.1 56.9 85.3#
39 0.0 28.4 42.6#

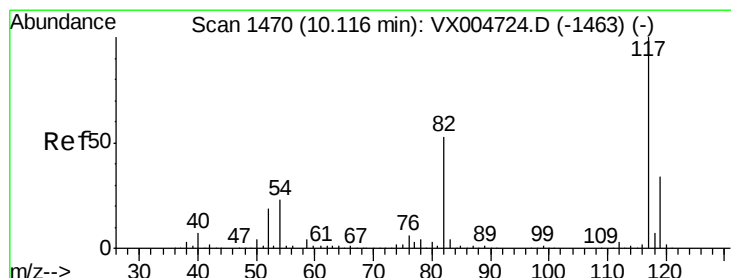
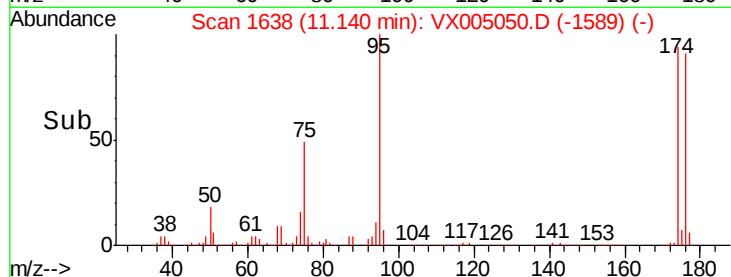
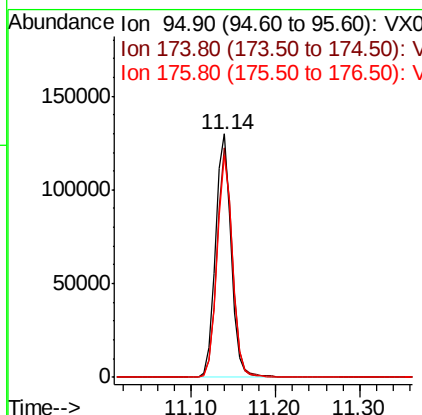
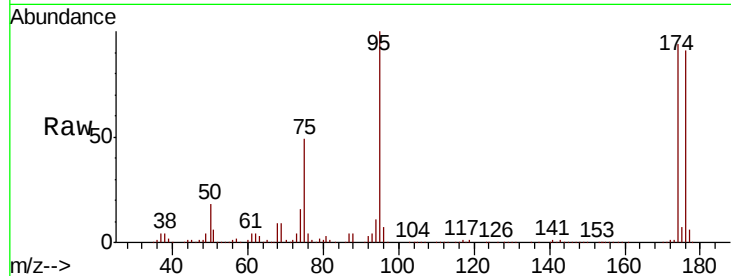




#62
4-Bromofluorobenzene
Concen: 50.603 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005050.D
Acq: 05 Oct 2018 06:17

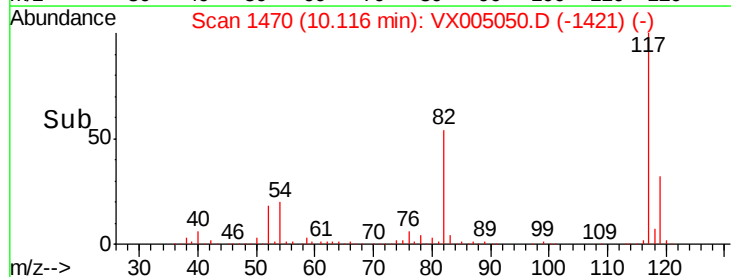
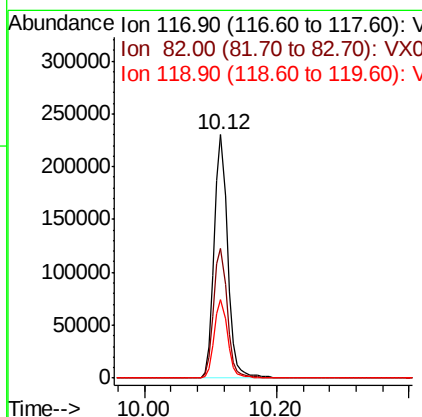
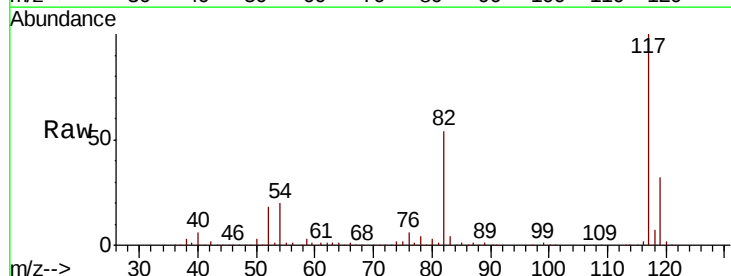
Instrument :
MSVOA_X
ClientSampleId :

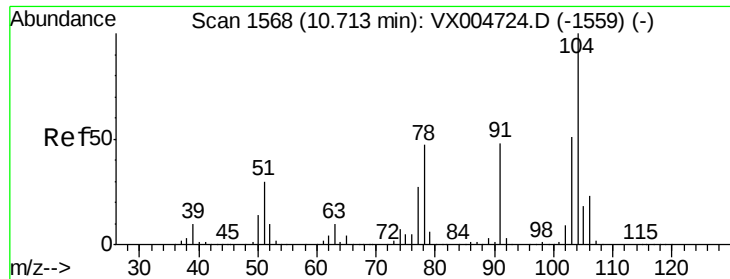
Tot Ion: 95 Resp: 168236
Ion Ratio Lower Upper
95 100
174 92.3 0.0 185.0
176 90.1 0.0 180.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005050.D
Acq: 05 Oct 2018 06:17

Tgt Ion: 117 Resp: 321543
Ion Ratio Lower Upper
117 100
82 53.5 42.2 63.4
119 32.3 27.4 41.0

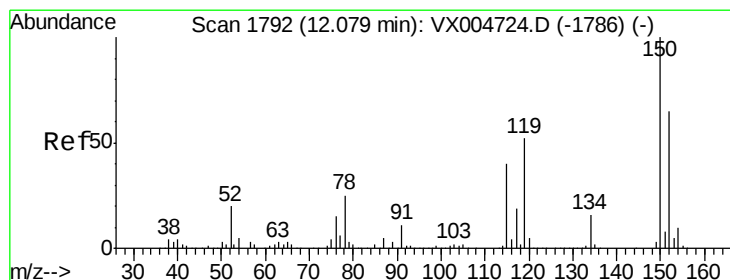
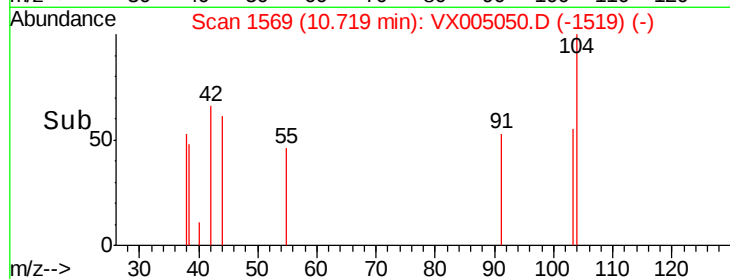
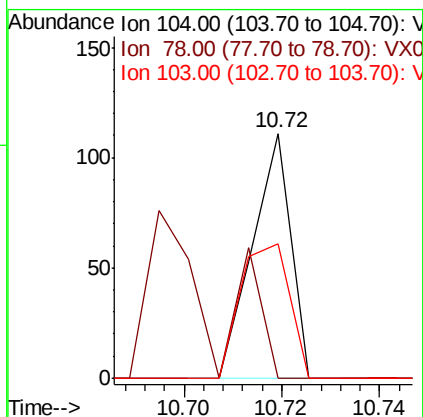
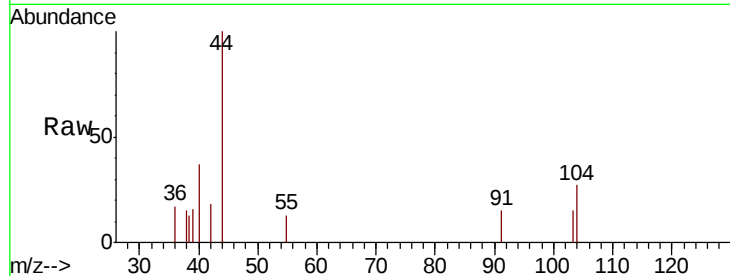




#70
Stvrene
Concen: 2.147 ug/l
RT: 10.72 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VX005050.D
Acq: 05 Oct 2018 06:17

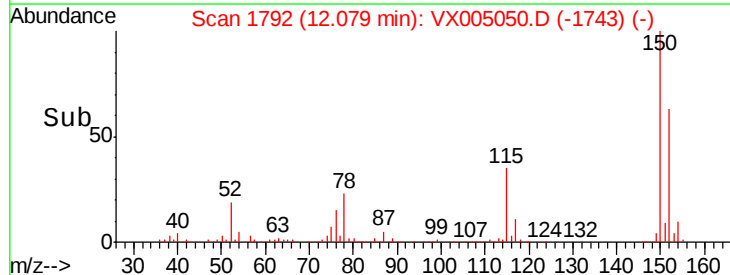
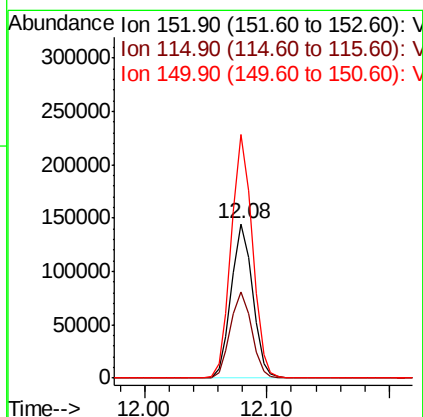
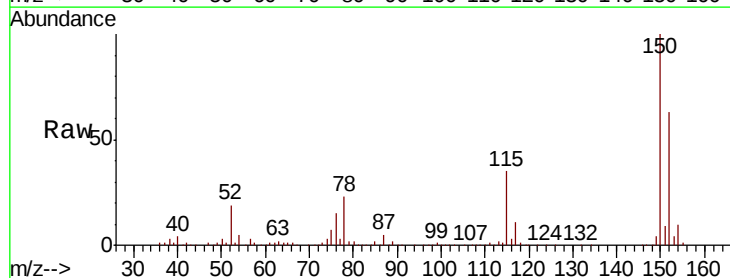
Instrument :
MSVOA_X
ClientSampled :

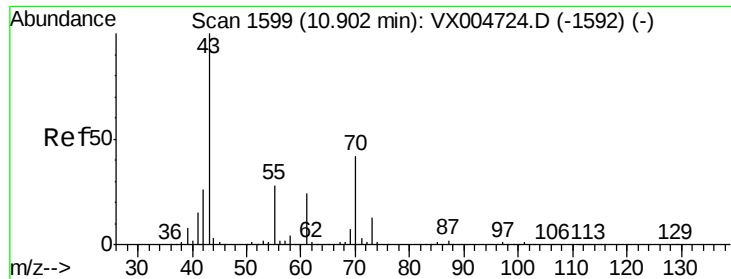
Tot Ion:104 Resp: 60
Ion Ratio Lower Upper
104 100
78 0.0 40.0 60.0#
103 70.0 44.3 66.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005050.D
Acq: 05 Oct 2018 06:17

Tgt Ion:152 Resp: 174402
Ion Ratio Lower Upper
152 100
115 55.7 40.2 120.6
150 156.7 0.0 351.0





#74

N-amvl acetate

Concen: 1.763 ug/l

RT: 10.91 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VX005050.D

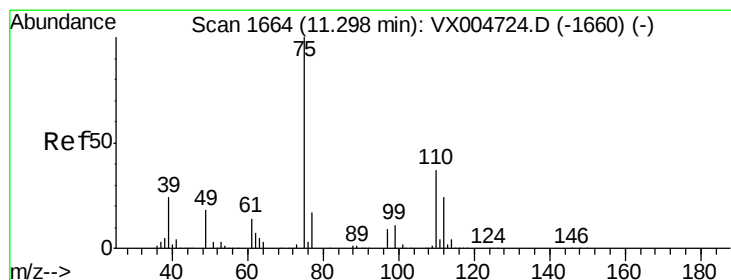
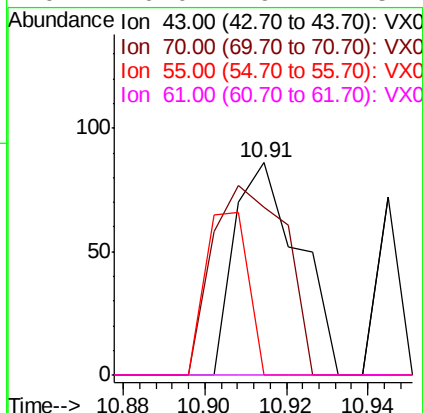
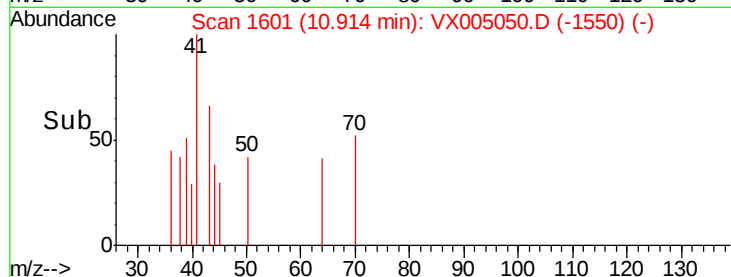
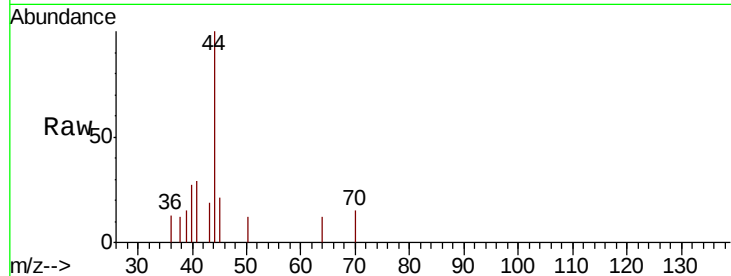
Acq: 05 Oct 2018 06:17

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	43	Resp:	94
Ion	Ratio	Lower	Upper
43	100		
70	103.2	32.6	48.8#
55	51.1	21.6	32.4#
61	0.0	19.1	28.7#



#76

1,2,3-Trichloropropane

Concen: 21.272 ug/l

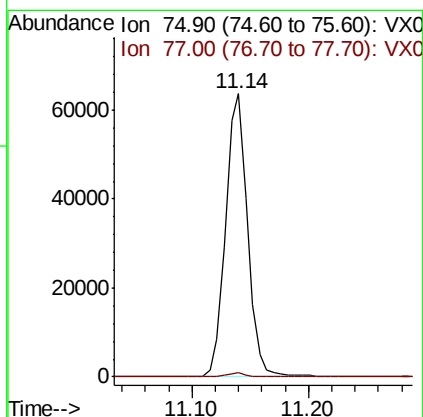
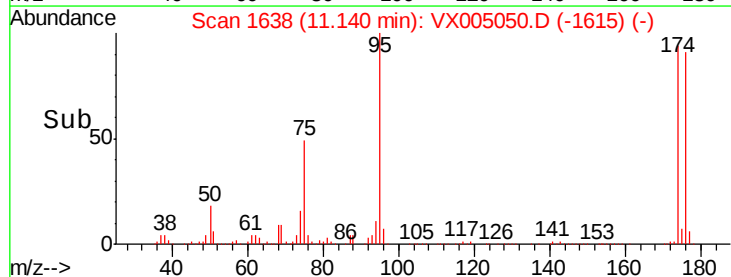
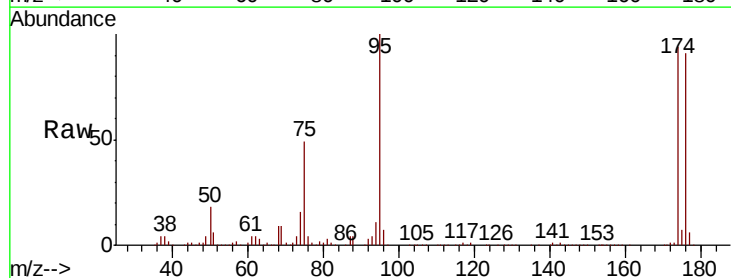
RT: 11.14 min Scan# 1638

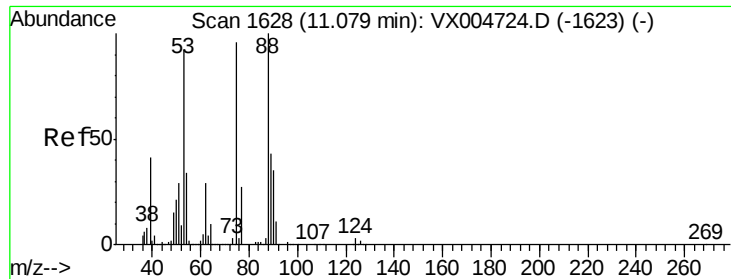
Delta R.T. -0.16 min

Lab File: VX005050.D

Acq: 05 Oct 2018 06:17

Tgt Ion:	75	Resp:	83150
Ion	Ratio	Lower	Upper
75	100		
77	1.3	21.4	64.3#





#81

trans-1,4-Dichloro-2-butene

Concen: 57.697 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX005050.D

Acq: 05 Oct 2018 06:17

Instrument :

MSVOA_X

ClientSampleId :

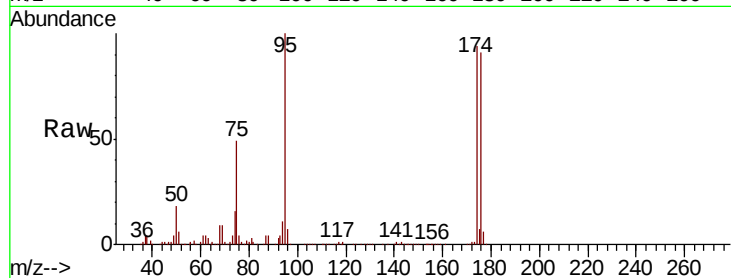
Tot Ion: 75 Resp: 83150

Ion Ratio Lower Upper

75 100

53 0.3 80.2 120.4#

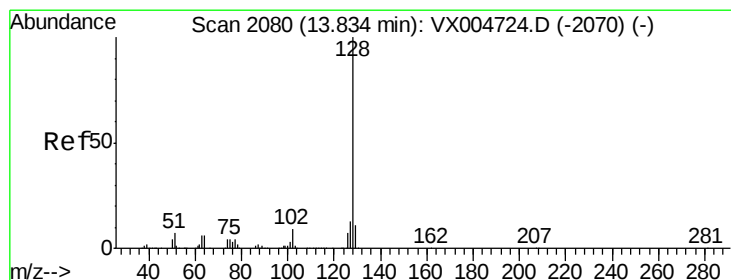
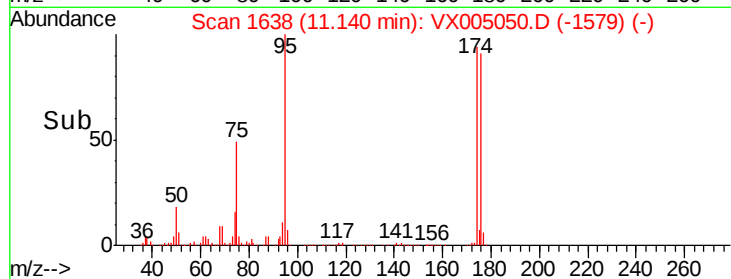
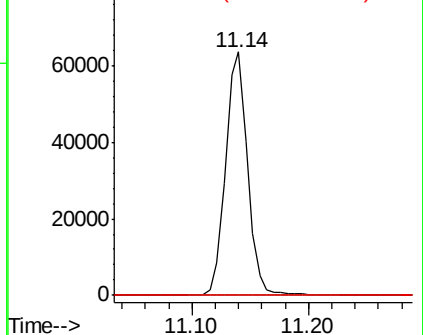
89 0.0 37.1 55.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#95

Naphthalene

Concen: 0.775 ug/l

RT: 13.84 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VX005050.D

Acq: 05 Oct 2018 06:17

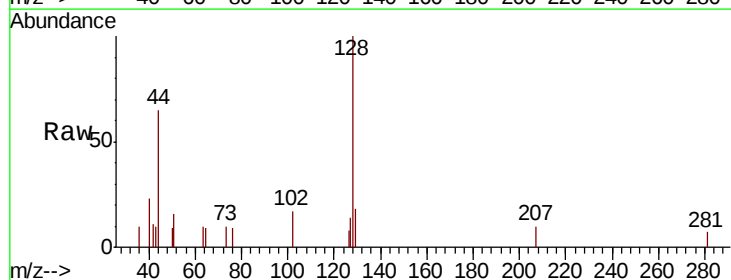
Tgt Ion:128 Resp: 812

Ion Ratio Lower Upper

128 100

127 13.9 10.4 15.6

129 10.1 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

