

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 :
 SA-TW510-2226

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

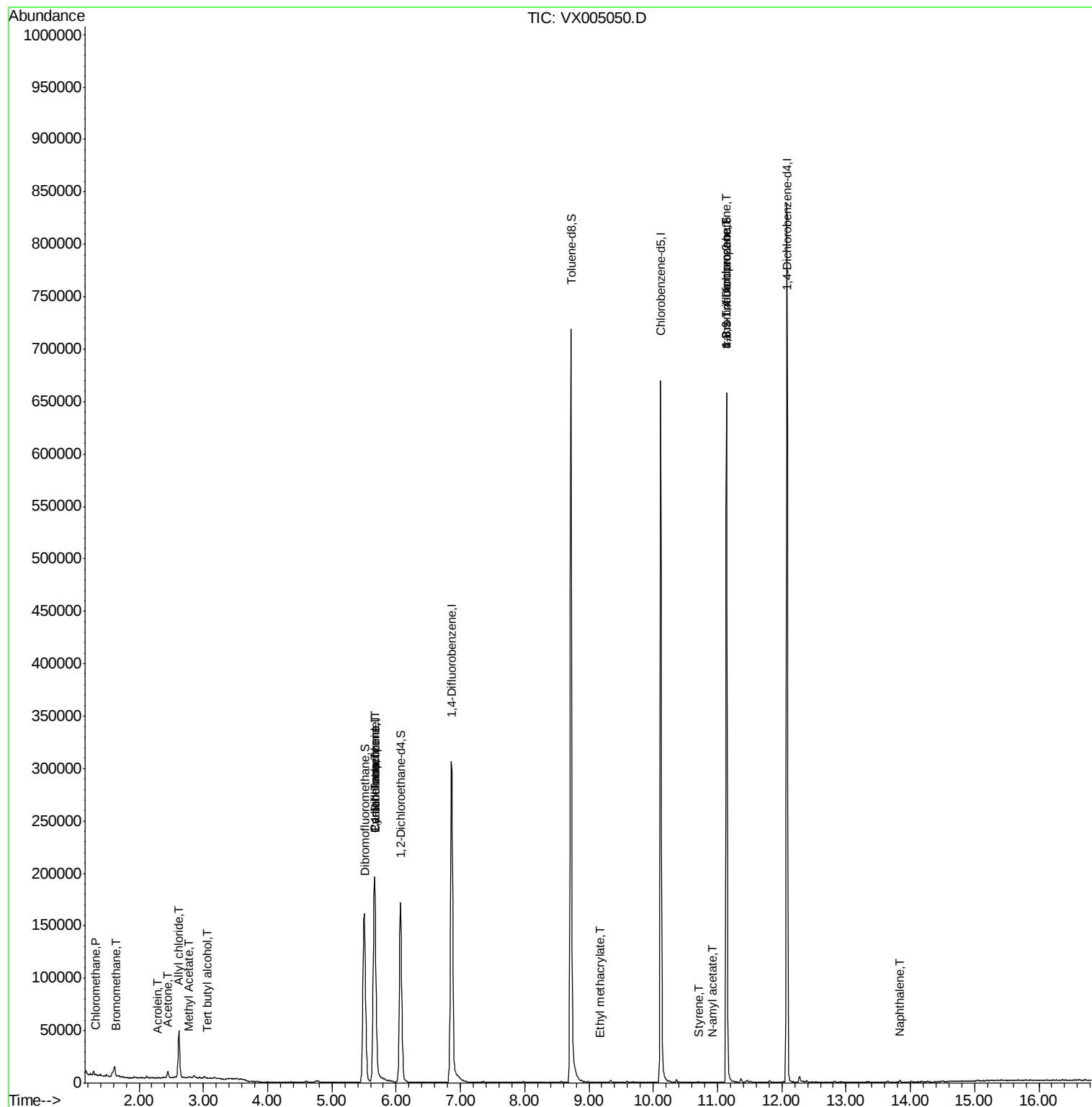
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	821	0.231	ug/l #	83
5) Bromomethane	1.64	94	933	0.472	ug/l #	63
6) Chloroethane	1.72	64	116	Below Cal	#	72
11) Tert butyl alcohol	3.07	59	257	0.300	ug/l #	32
13) Acrolein	2.29	56	216	0.354	ug/l #	10
14) Allyl chloride	2.62	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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#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 :

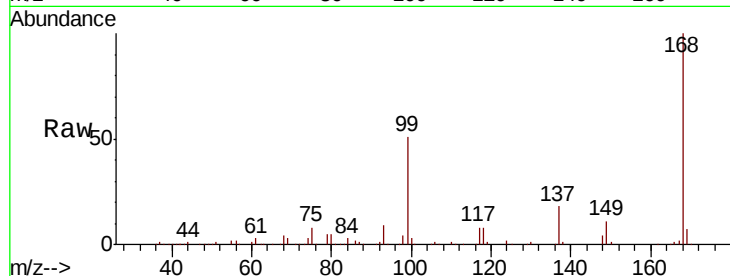
SA-TW510-2226

Tot Ion:168 Resp: 214636

Ion Ratio Lower Upper

168 100

99 50.7 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

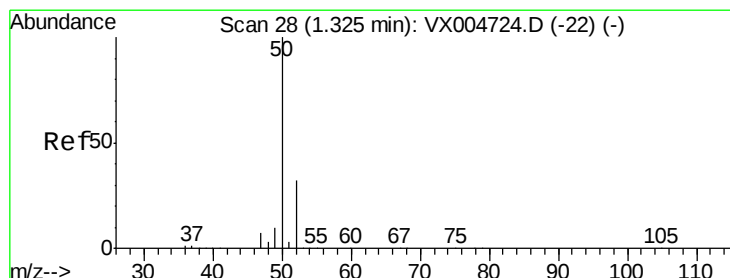
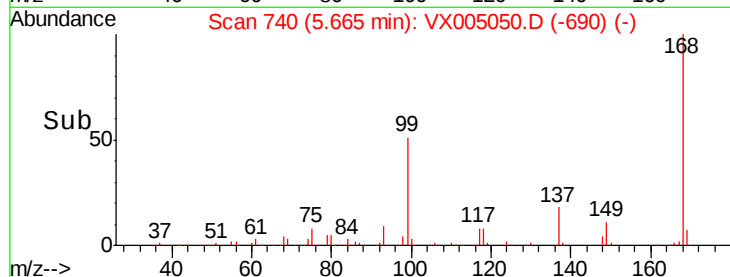
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.231 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005050.D

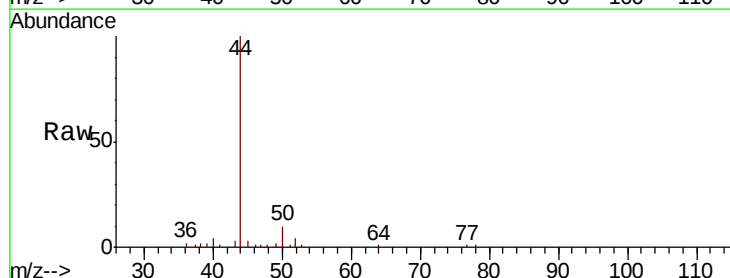
Acq: 05 Oct 2018 06:17

Tgt Ion: 50 Resp: 821

Ion Ratio Lower Upper

50 100

52 41.8 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

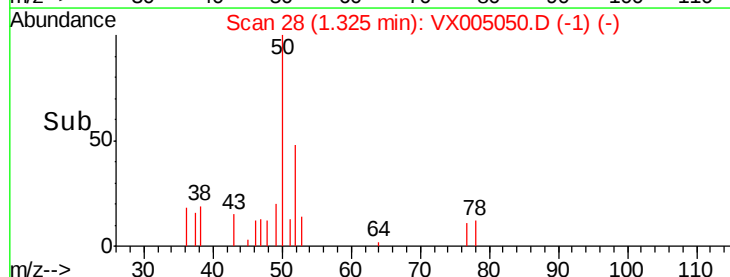
600

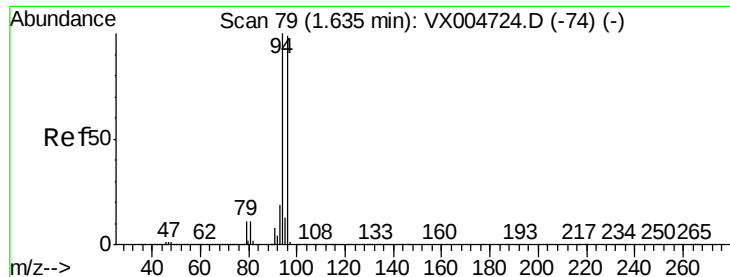
400

200

0

Time--> 1.30 1.35





#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

ClientSampleId :

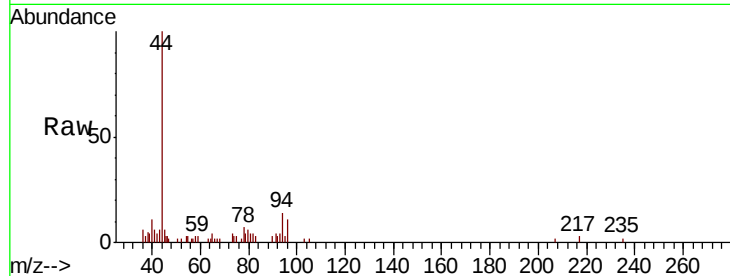
SA-TW510-2226

Tot Ion: 94 Resp: 933

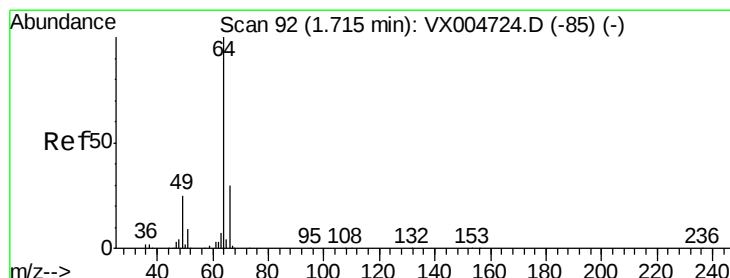
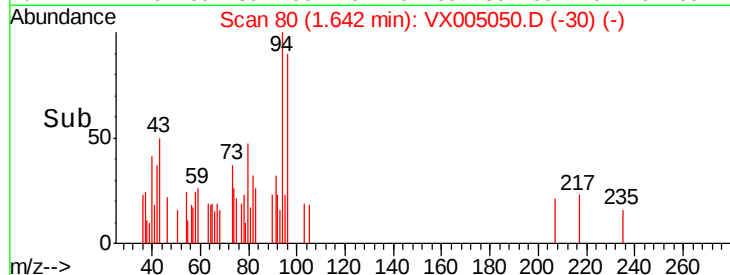
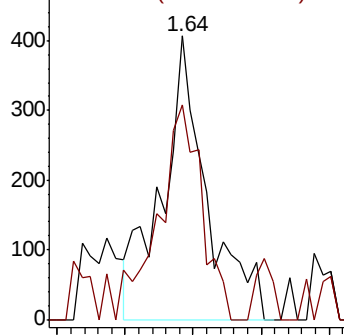
Ion Ratio Lower Upper

94 100

96 62.4 79.5 119.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005050.D

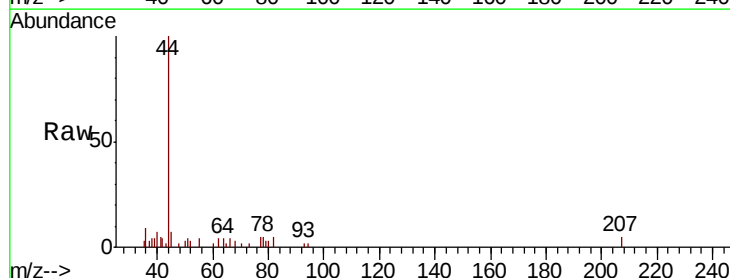
Acq: 05 Oct 2018 06:17

Tgt Ion: 64 Resp: 116

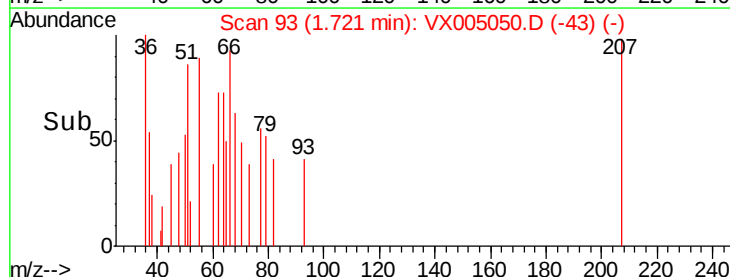
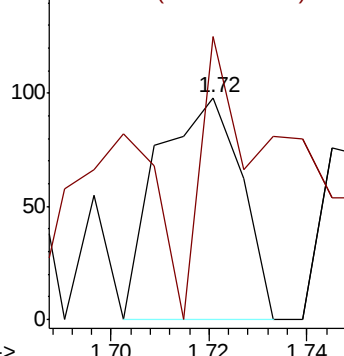
Ion Ratio Lower Upper

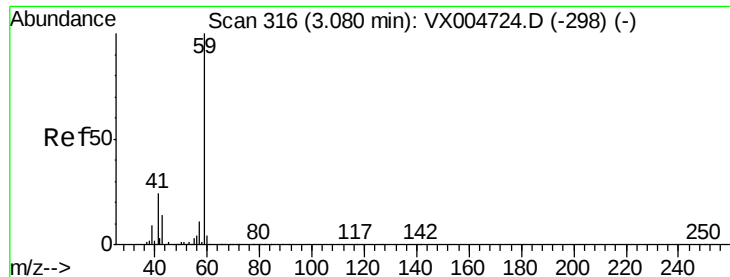
64 100

66 44.9 23.8 35.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

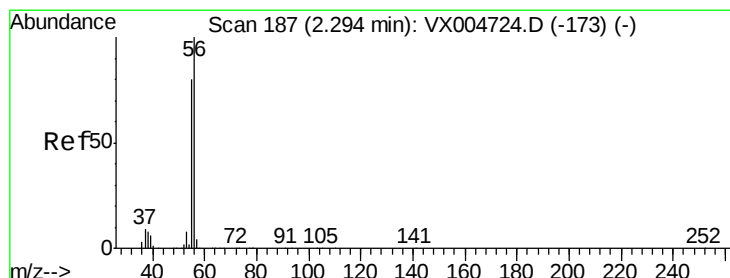
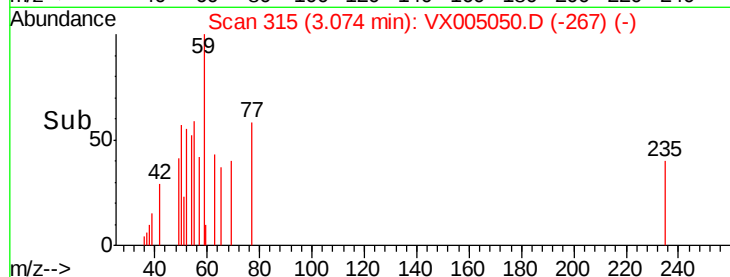
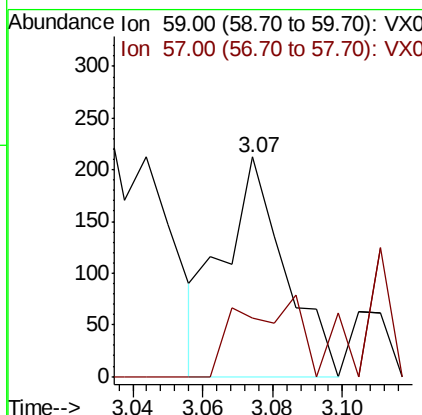
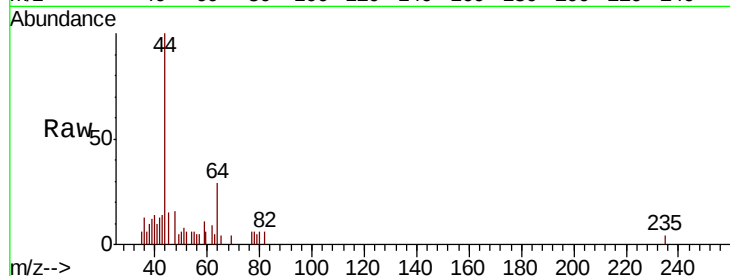




#11
Tert butyl alcohol
Concen: 0.300 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX005050.D
Acq: 05 Oct 2018 06:17

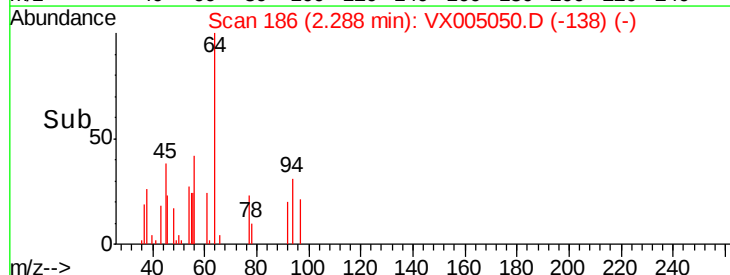
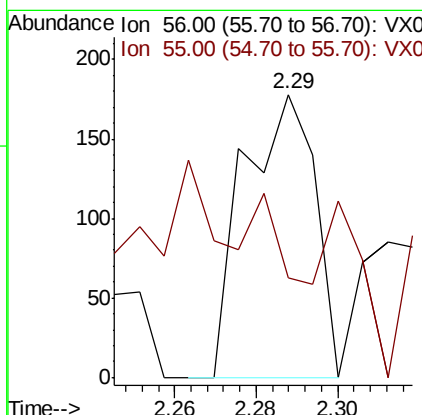
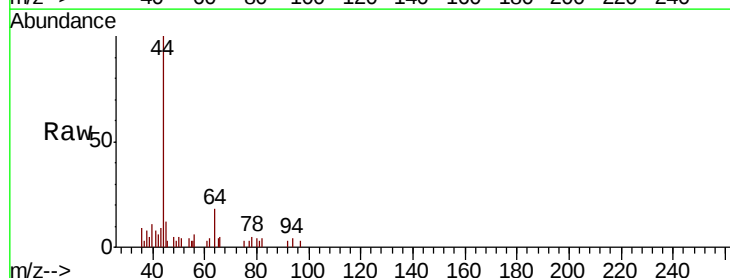
Instrument :
MSVOA_X
ClientSampleId :
SA-TW510-2226

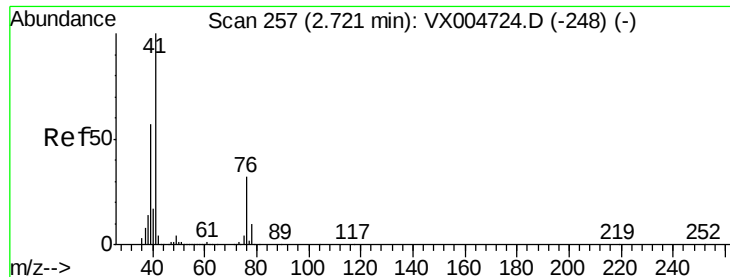
Tot Ion: 59 Resp: 257
Ion Ratio Lower Upper
59 100
57 36.2 8.6 12.8#



#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

Allv1 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 :

SA-TW510-2226

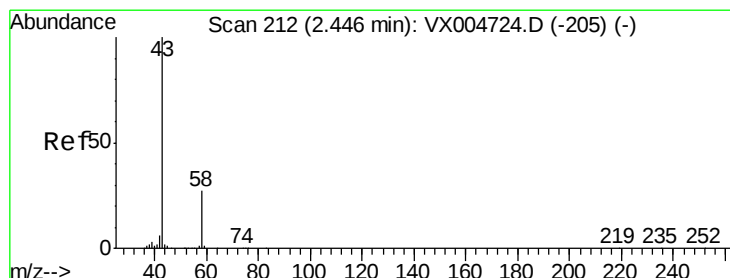
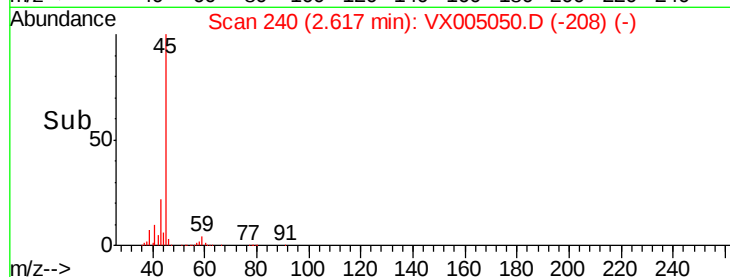
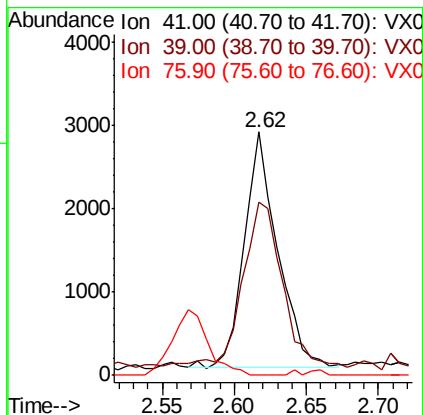
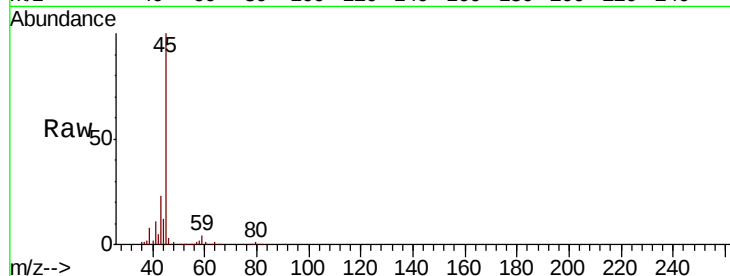
Tot Ion: 41 Resp: 4493

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

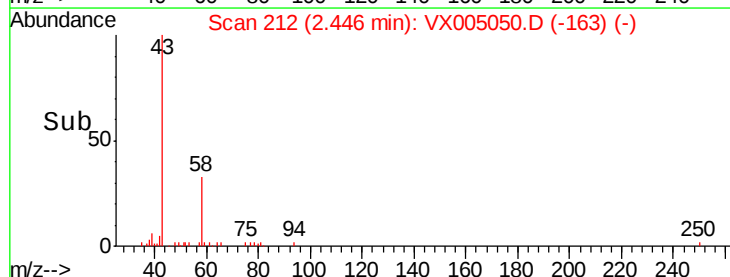
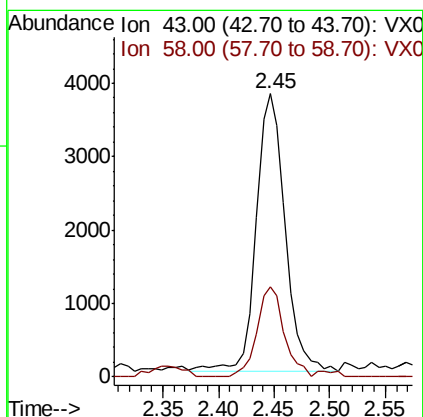
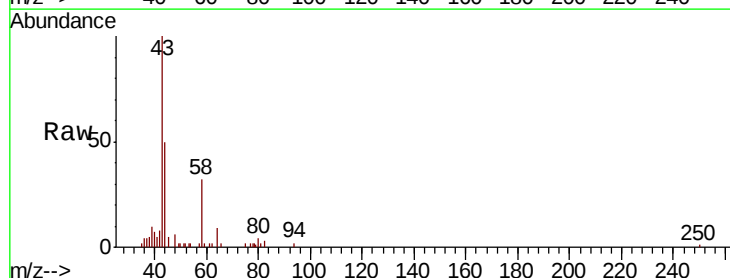
Acq: 05 Oct 2018 06:17

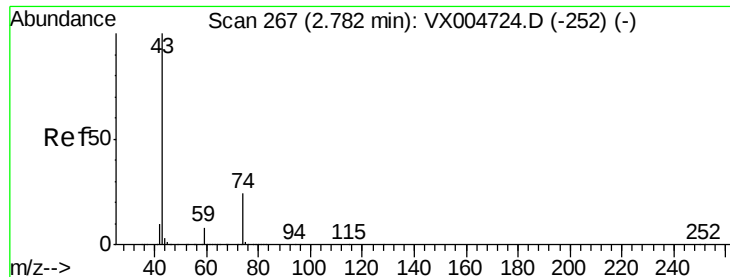
Tgt Ion: 43 Resp: 6829

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

ClientSampleId :

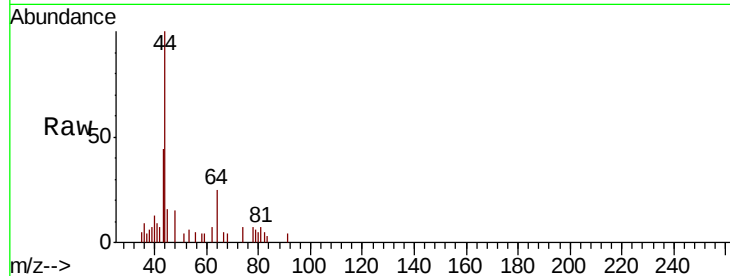
SA-TW510-2226

Tot Ion: 43 Resp: 1138

Ion Ratio Lower Upper

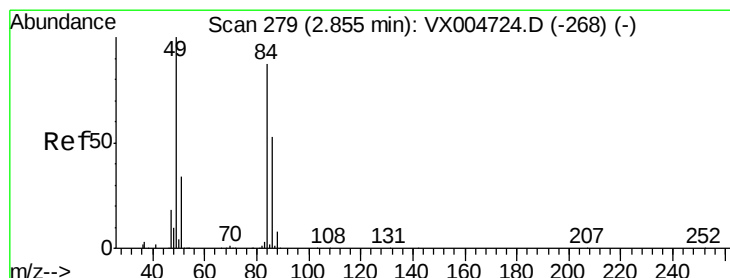
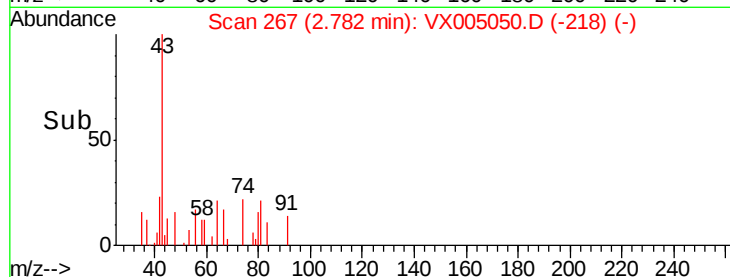
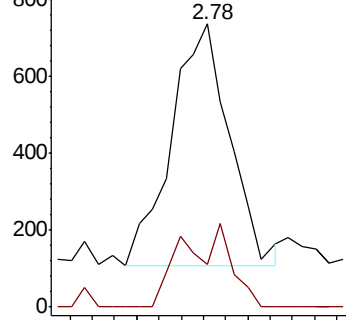
43 100

74 17.0 17.8 26.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#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

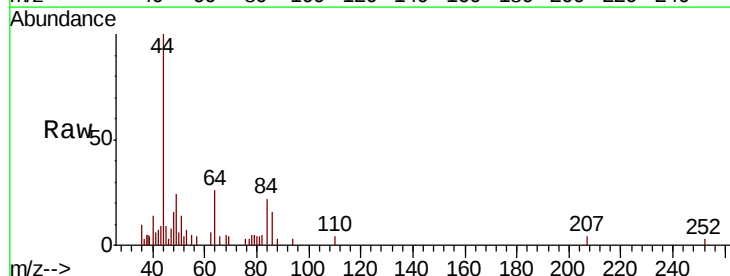
Ion Ratio Lower Upper

84 100

49 109.6 92.3 138.5

51 62.9 31.8 47.6#

86 73.4 48.5 72.7#

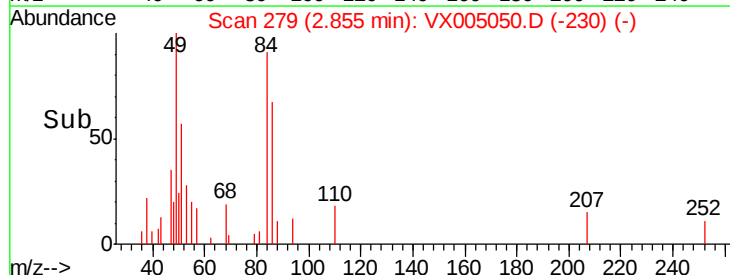
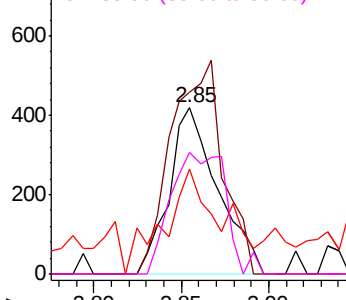


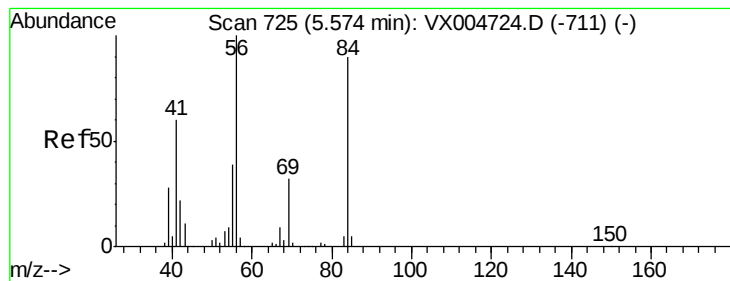
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#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

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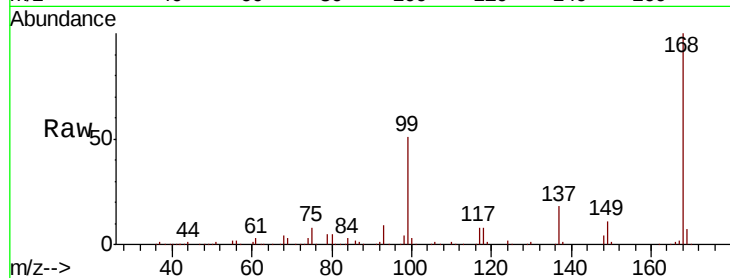
Tot Ion: 56 Resp: 4136

Ion Ratio Lower Upper

56 100

69 142.5 25.9 38.9#

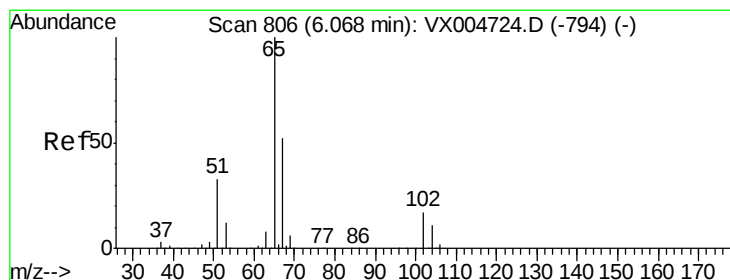
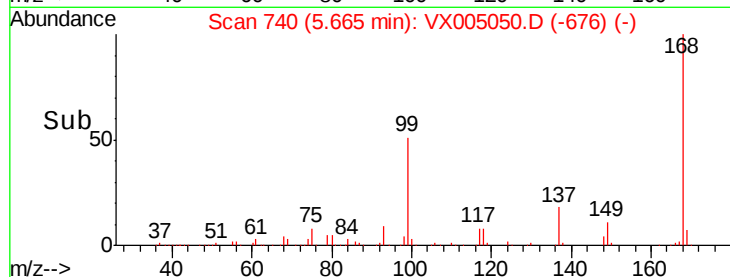
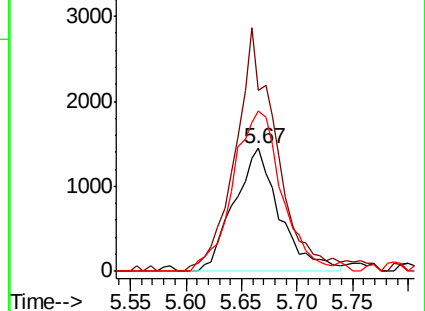
84 130.9 71.9 107.9#



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

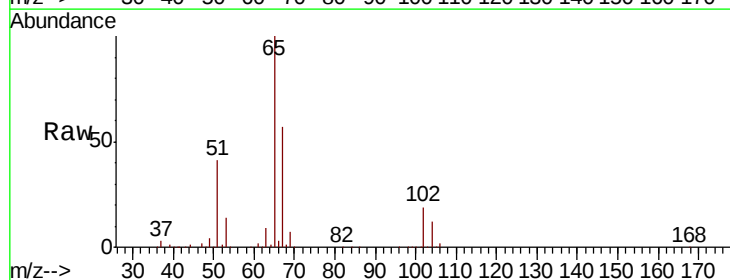
Acq: 05 Oct 2018 06:17

Tgt Ion: 65 Resp: 160467

Ion Ratio Lower Upper

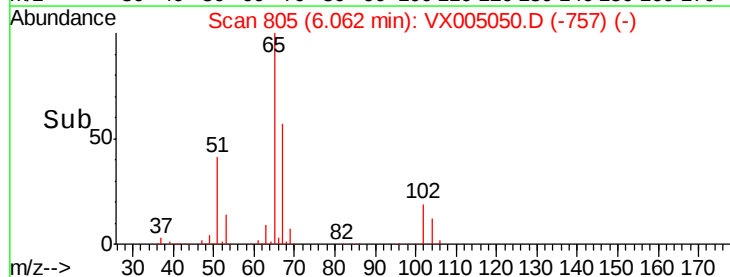
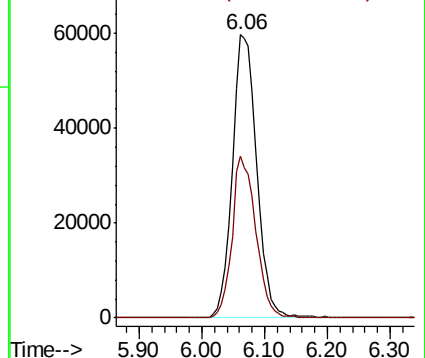
65 100

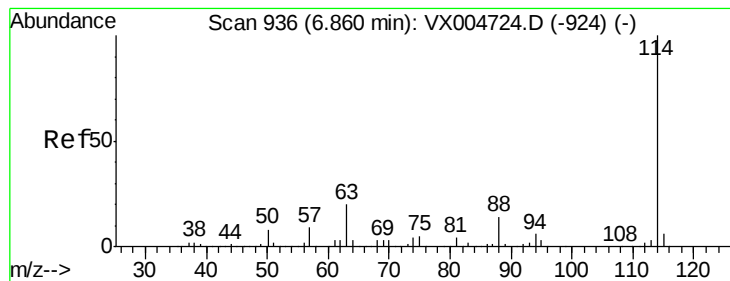
67 55.3 0.0 107.4



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

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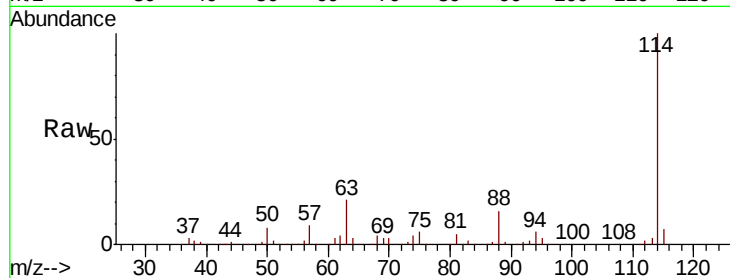
Tot Ion:114 Resp: 327537

Ion Ratio Lower Upper

114 100

63 21.0 0.0 39.8

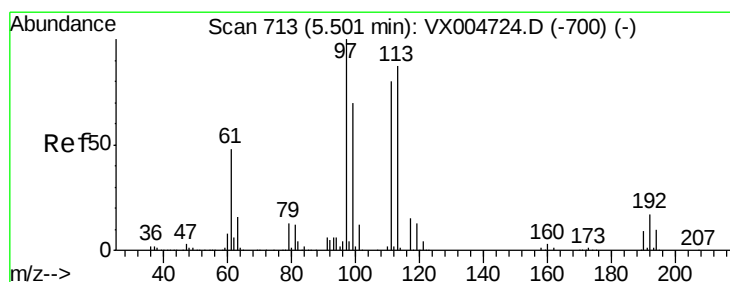
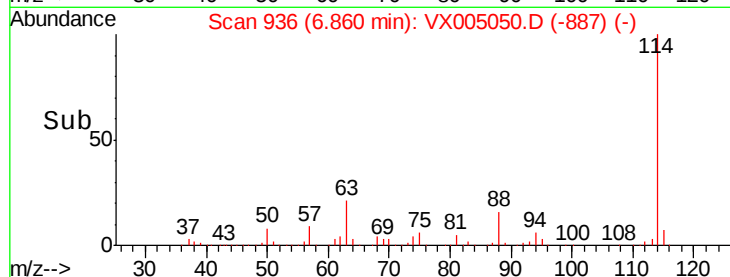
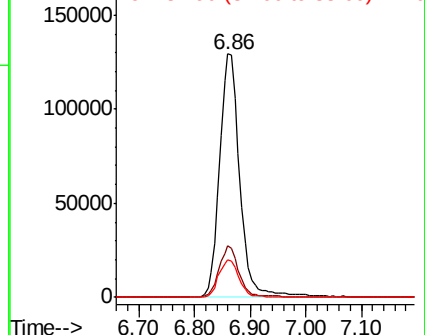
88 15.7 0.0 27.0



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

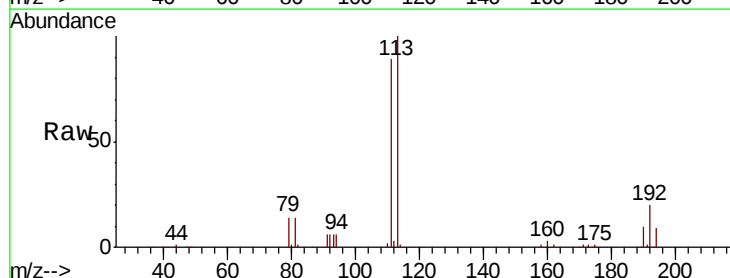
Tgt Ion:113 Resp: 143168

Ion Ratio Lower Upper

113 100

111 100.9 77.0 115.4

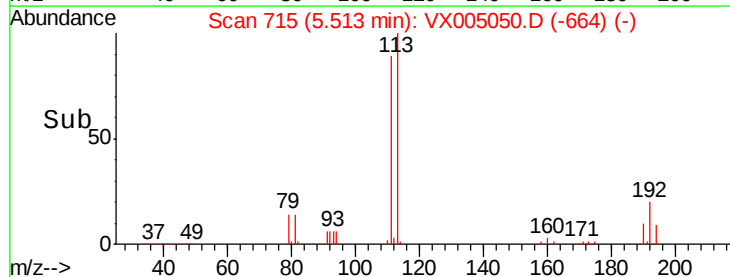
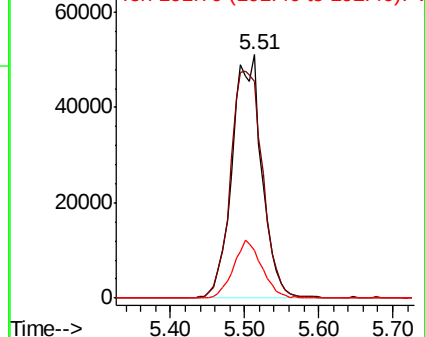
192 22.6 17.0 25.6

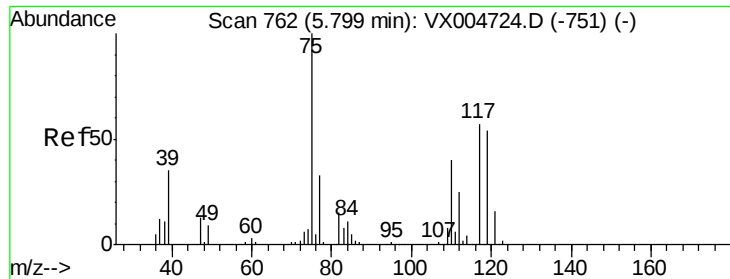


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

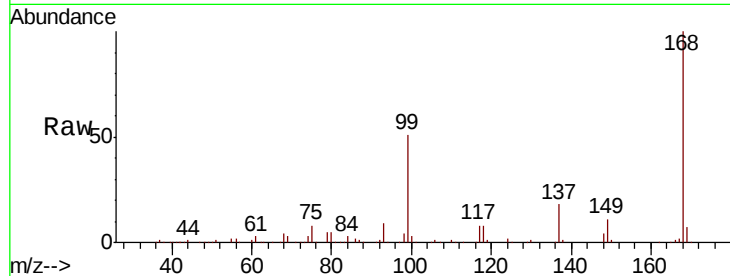




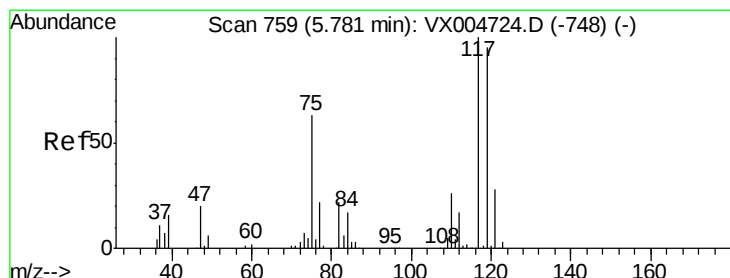
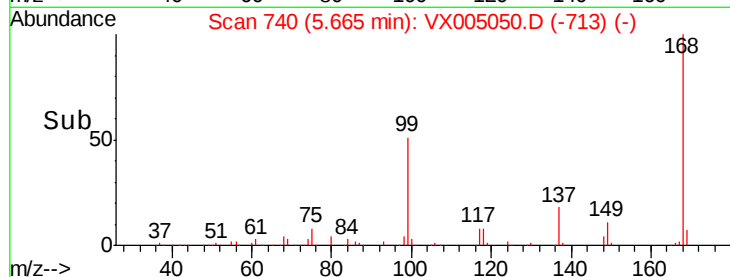
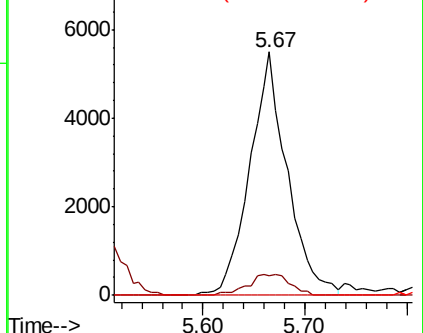
#36
 1,1-Dichloropropene
 Concen: 3.703 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005050.D
 Acq: 05 Oct 2018 06:17

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW510-2226

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#

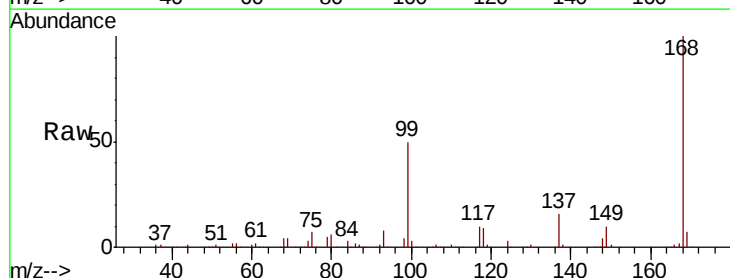


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

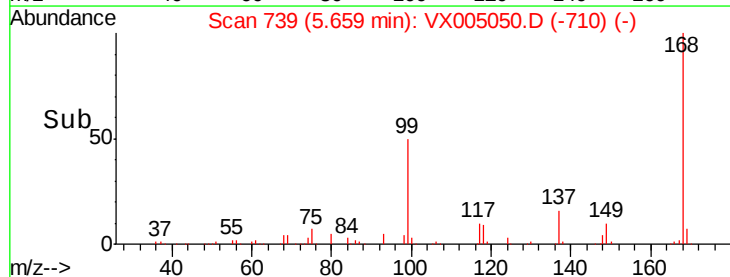
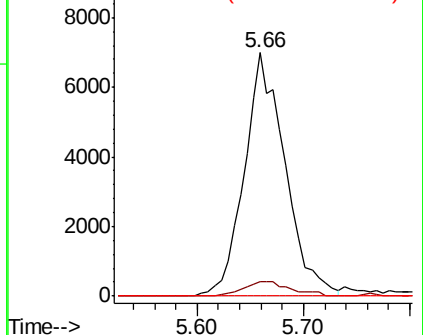


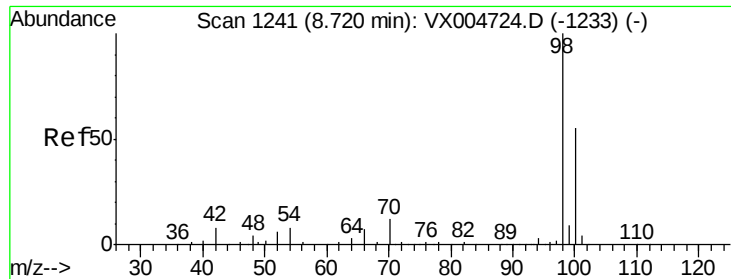
#38
 Carbon Tetrachloride
 Concen: 4.695 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX005050.D
 Acq: 05 Oct 2018 06:17

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

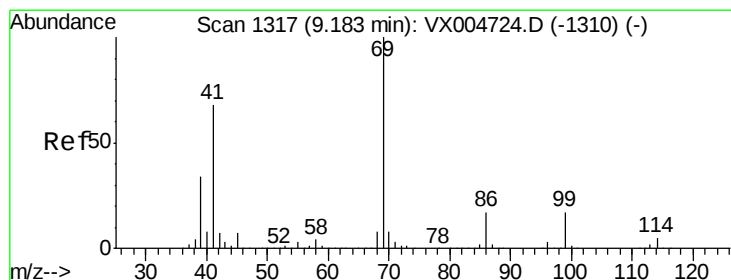
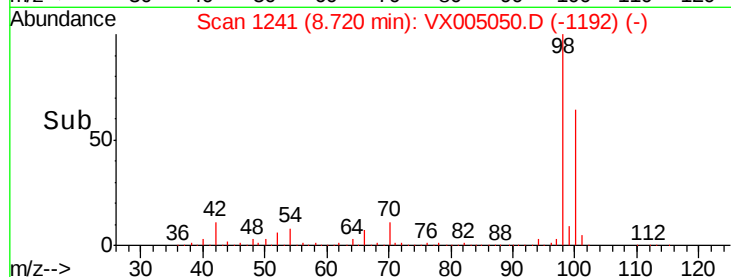
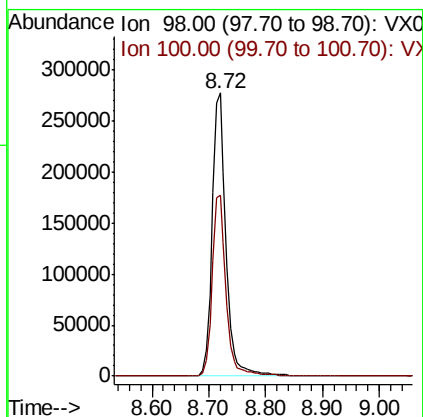
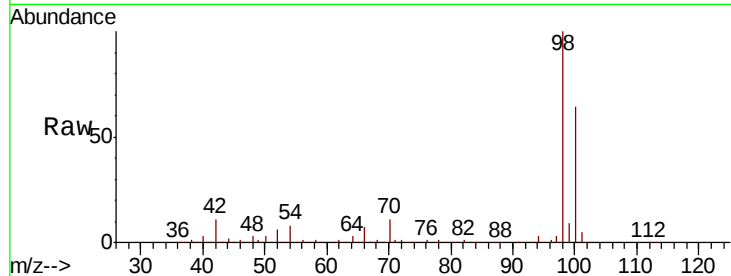




#50
Toluene-d8
Concen: 51.078 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX005050.D
Acq: 05 Oct 2018 06:17

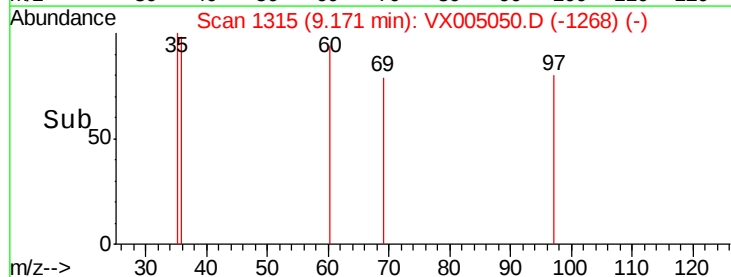
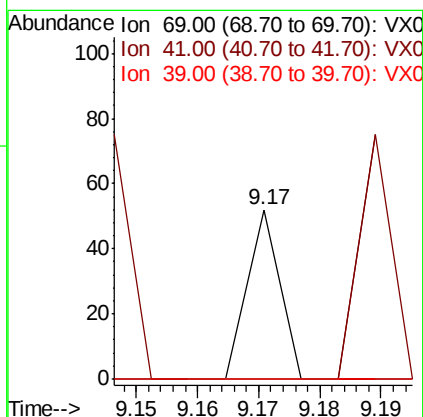
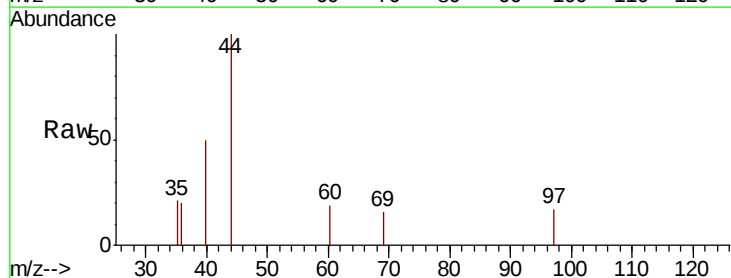
Instrument :
MSVOA_X
ClientSampleId :
SA-TW510-2226

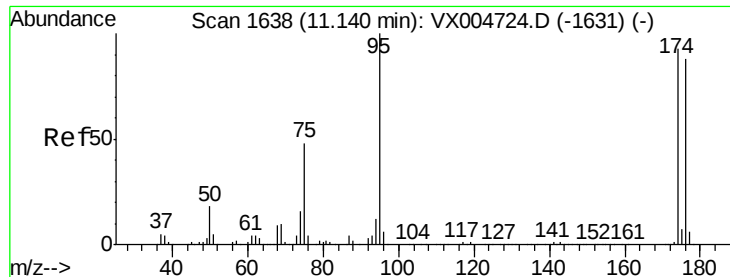
Tot Ion: 98 Resp: 471373
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9



#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#

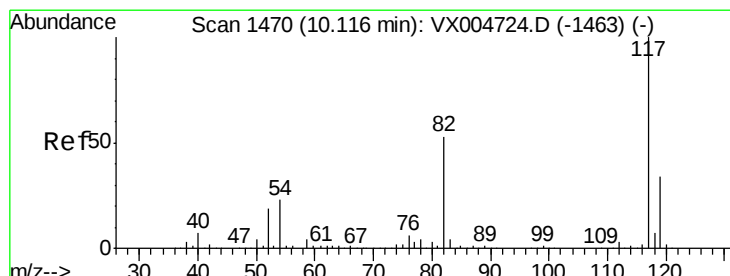
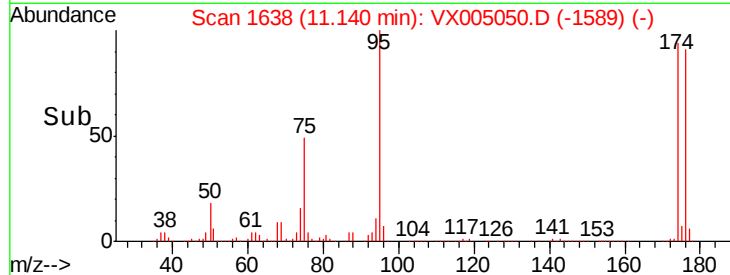
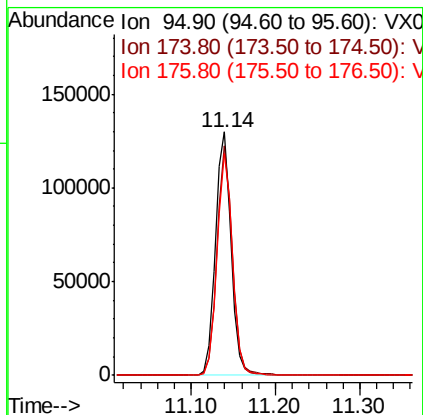
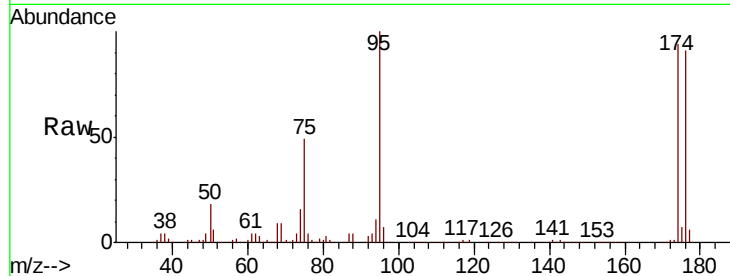




#62
4-Bromofluorobenzene
Concen: 50.603 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005050.D
Acq: 05 Oct 2018 06:17

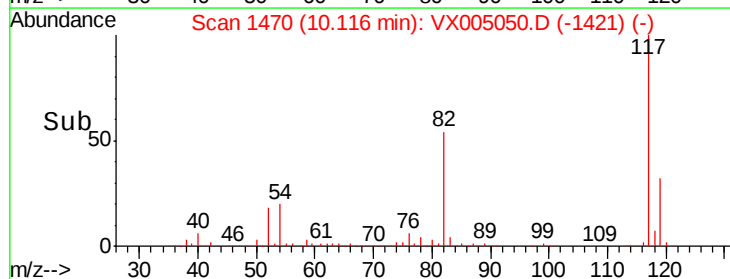
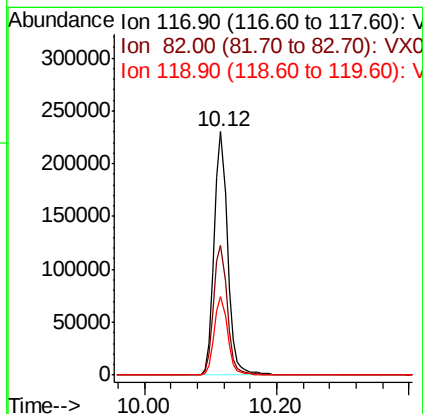
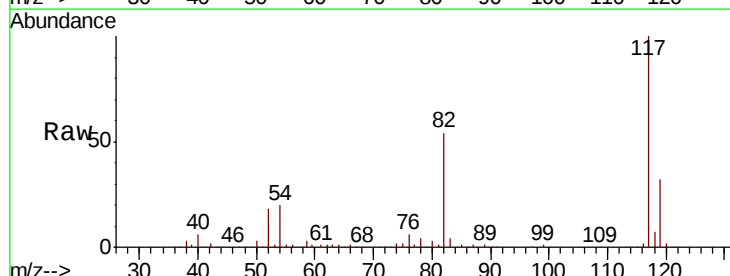
Instrument :
MSVOA_X
ClientSampleId :
SA-TW510-2226

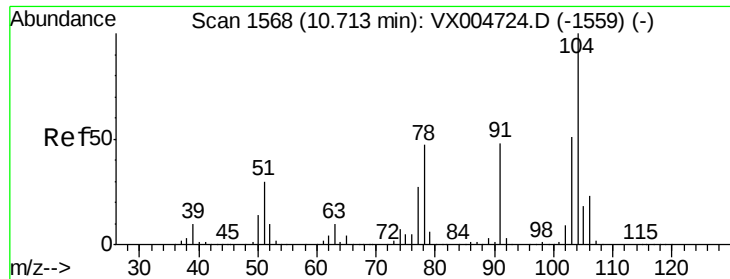
Tot Ion: 95 Resp: 168236
Ion Ratio Lower Upper
95 100
174 92.3 0.0 185.0
176 90.1 0.0 180.2



#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

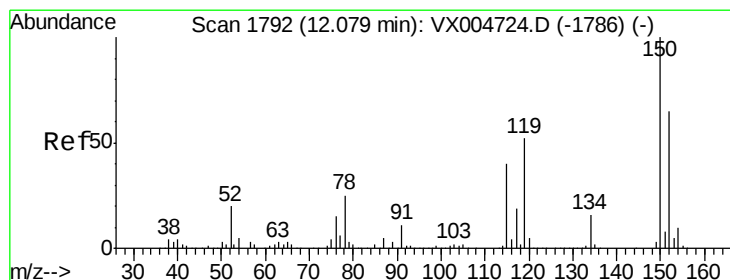
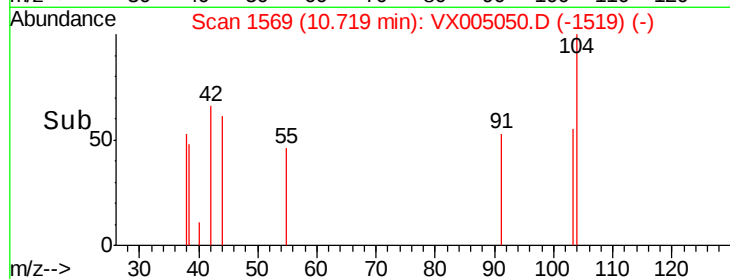
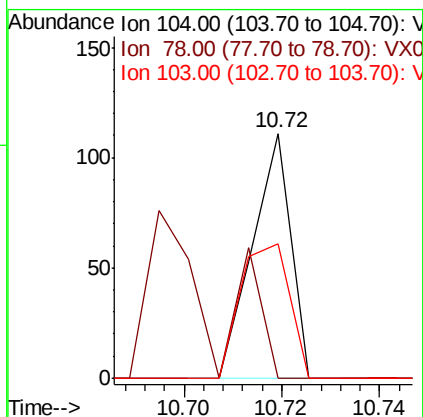
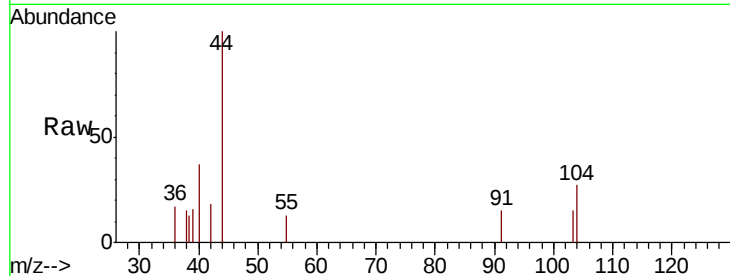




#70
Stvrene
Concen: 2.147 ug/l
RT: 10.72 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VX005050.D
Acq: 05 Oct 2018 06:17

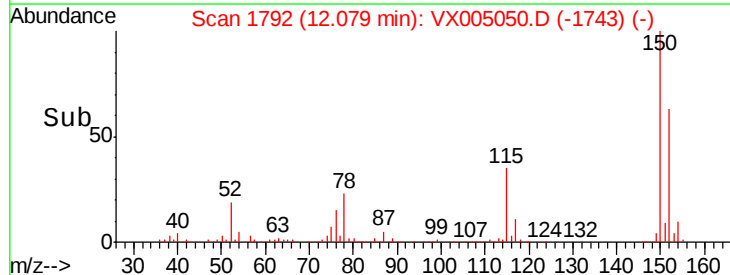
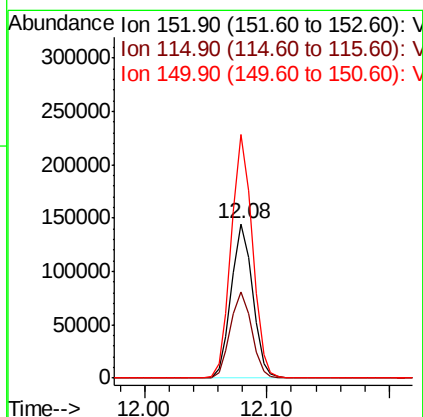
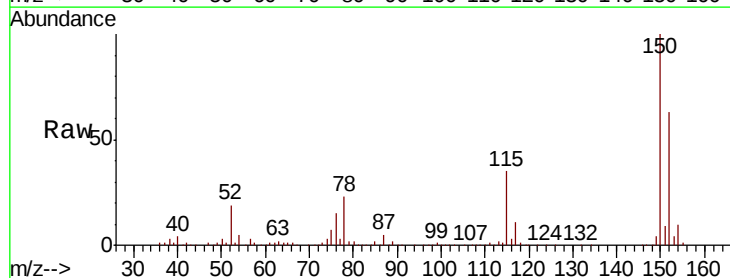
Instrument :
MSVOA_X
ClientSampleId :
SA-TW510-2226

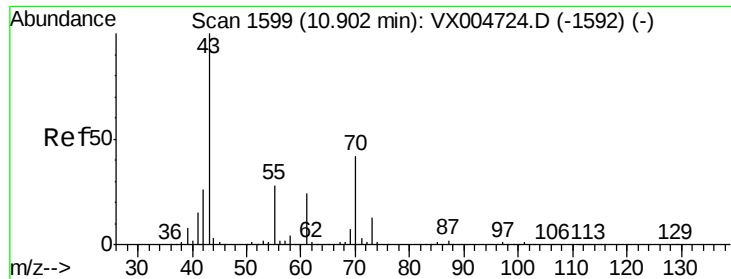
Tot Ion:104 Resp: 60
Ion Ratio Lower Upper
104 100
78 0.0 40.0 60.0#
103 70.0 44.3 66.5#



#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 :

SA-TW510-2226

Tot Ion: 43 Resp: 94

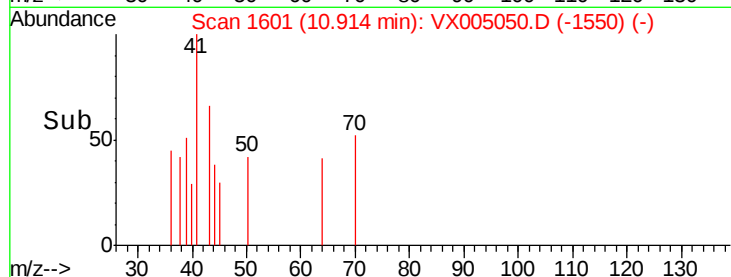
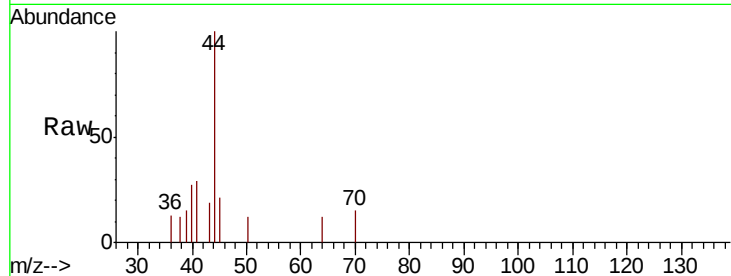
Ion Ratio Lower Upper

43 100

70 103.2 32.6 48.8#

55 51.1 21.6 32.4#

61 0.0 19.1 28.7#

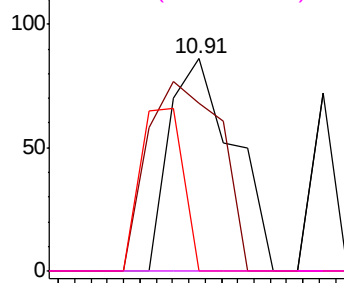


Abundance Ion 43.00 (42.70 to 43.70): VX0

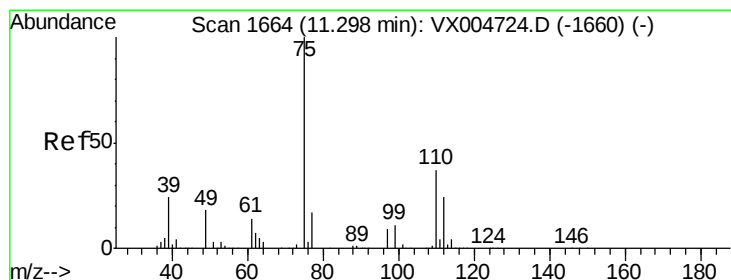
Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



Time-->



#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

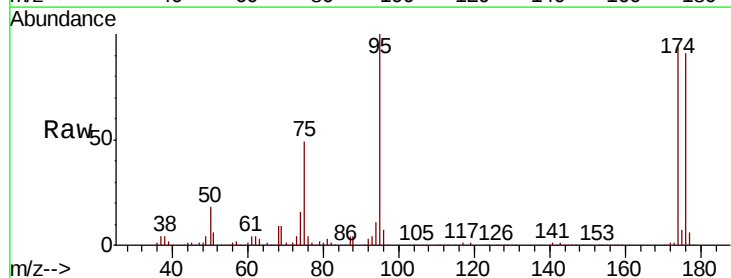
Acq: 05 Oct 2018 06:17

Tgt Ion: 75 Resp: 83150

Ion Ratio Lower Upper

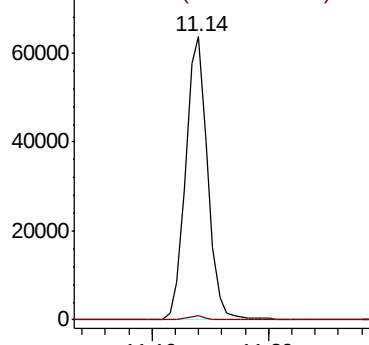
75 100

77 1.3 21.4 64.3#

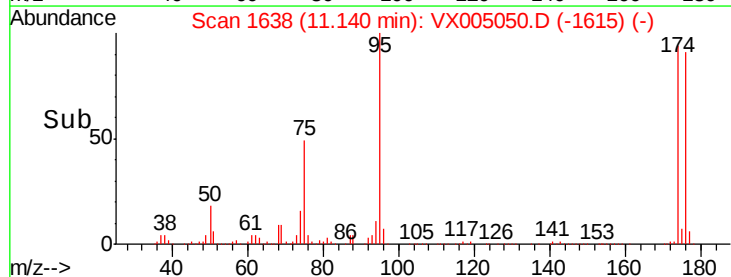


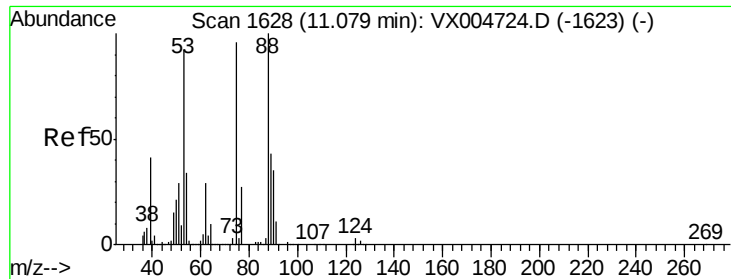
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->





#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 :

SA-TW510-2226

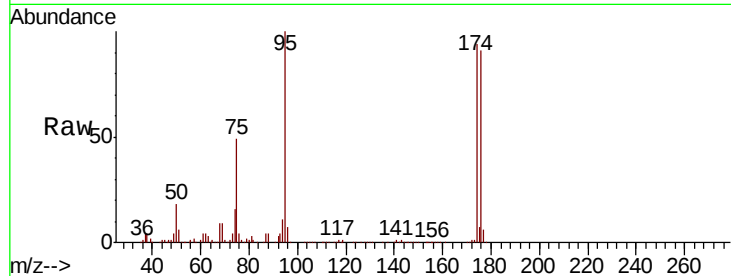
Tot Ion: 75 Resp: 83150

Ion Ratio Lower Upper

75 100

53 0.3 80.2 120.4#

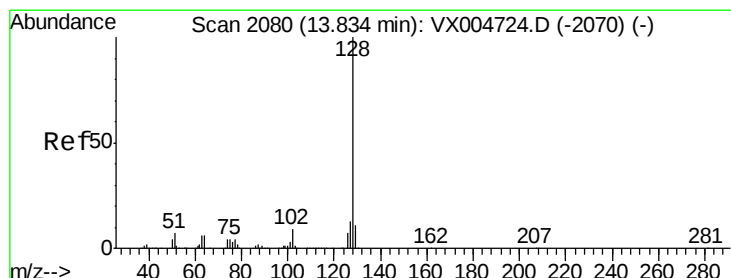
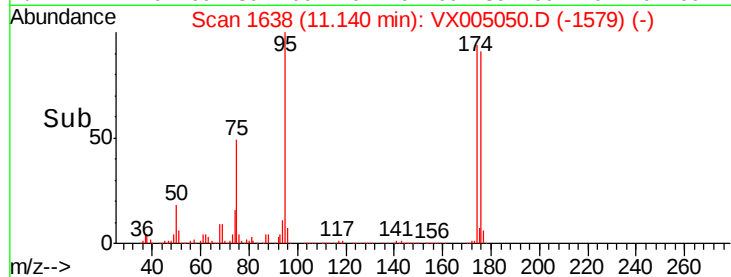
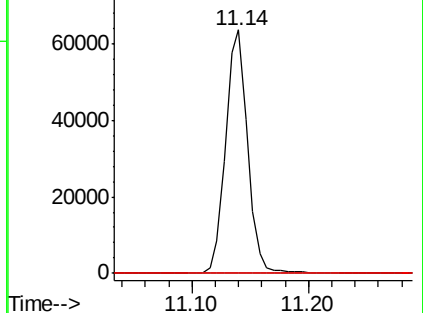
89 0.0 37.1 55.7#



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

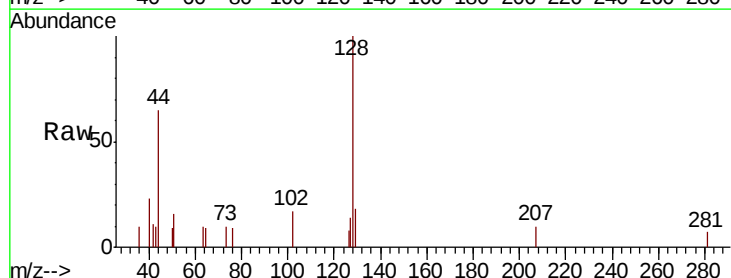
Tgt Ion:128 Resp: 812

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

