

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100418\
 Data File : VX005052.D
 Acq On : 05 Oct 2018 07:11
 Operator : JC/MD
 Sample : J5207-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 90 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW510-4145

Quant Time: Oct 05 08:57:54 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	5.66	168	225401	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	329521	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	326316	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	176976	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	163206	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	
35) Dibromofluoromethane	5.50	113	146830	52.58	ug/l	0.00
Spiked Amount			Recovery	=	105.16%	
50) Toluene-d8	8.72	98	484305	52.16	ug/l	0.00
Spiked Amount			Recovery	=	104.32%	
62) 4-Bromofluorobenzene	11.14	95	170866	51.08	ug/l	0.00
Spiked Amount			Recovery	=	102.16%	

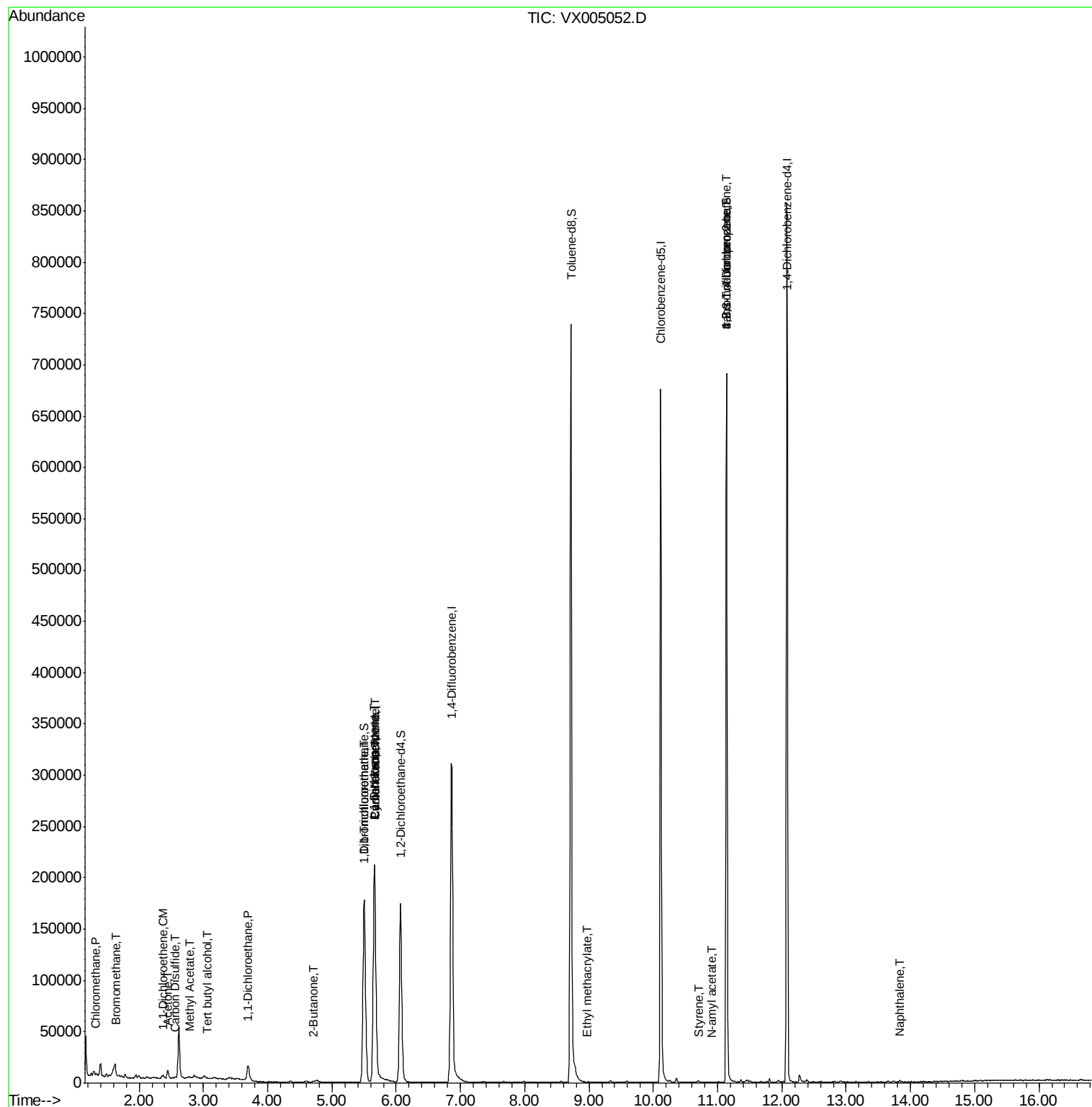
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1030	0.276	ug/l #	72
5) Bromomethane	1.64	94	733	0.353	ug/l #	70
6) Chloroethane	1.72	64	856	Below Cal	#	71
11) Tert butyl alcohol	3.07	59	441	0.490	ug/l #	90
12) 1,1-Dichloroethene	2.37	96	879	0.360	ug/l #	78
16) Acetone	2.45	43	7649	4.069	ug/l	99
17) Carbon Disulfide	2.57	76	1607	0.219	ug/l #	92
18) Methyl Acetate	2.78	43	1039	0.218	ug/l #	85
20) Methylene Chloride	2.86	84	992	Below Cal	#	87
24) 1,1-Dichloroethane	3.70	63	15225	2.844	ug/l	98
25) 2-Butanone	4.71	43	1360	0.491	ug/l #	76
31) Cyclohexane	5.66	56	4015	0.980	ug/l #	1
32) 1,1,1-Trichloroethane	5.49	97	1695	0.410	ug/l #	20
36) 1,1-Dichloropropene	5.65	75	15767	4.138	ug/l #	38
38) Carbon Tetrachloride	5.67	117	20419	5.098	ug/l #	18
56) Ethyl methacrylate	8.98	69	41	2.870	ug/l #	1
70) Styrene	10.72	104	90	2.150	ug/l #	1
74) N-amyl acetate	10.90	43	273	1.791	ug/l #	64
76) 1,2,3-Trichloropropane	11.14	75	84524	21.309	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	480	Below Cal		89
81) trans-1,4-Dichloro-2-buten	11.14	75	84524	57.794	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	1409	Below Cal		94
95) Naphthalene	13.83	128	1020	0.788	ug/l #	91

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

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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: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX005052.D

Acq: 05 Oct 2018 07:11

Instrument :

MSVOA_X

ClientSampleId :

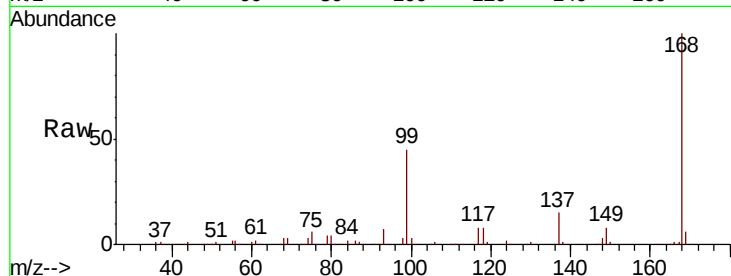
SA-TW510-4145

Tot Ion:168 Resp: 225401

Ion Ratio Lower Upper

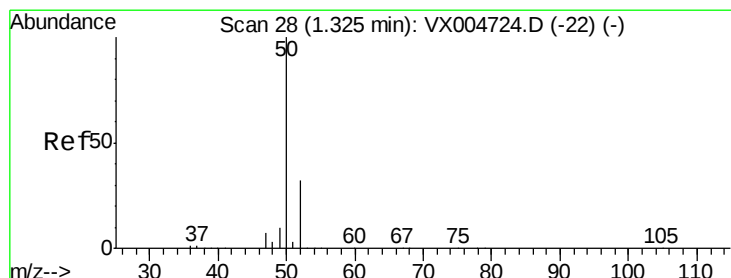
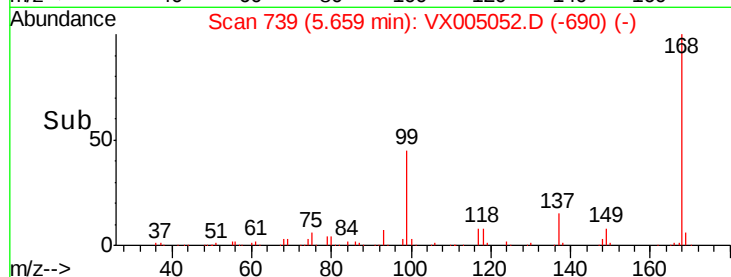
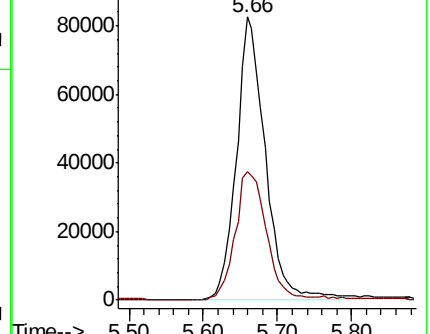
168 100

99 45.5 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.276 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005052.D

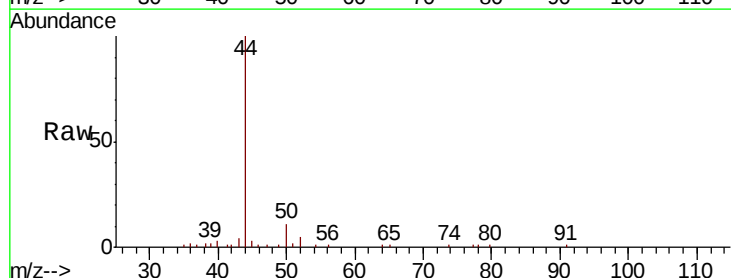
Acq: 05 Oct 2018 07:11

Tgt Ion: 50 Resp: 1030

Ion Ratio Lower Upper

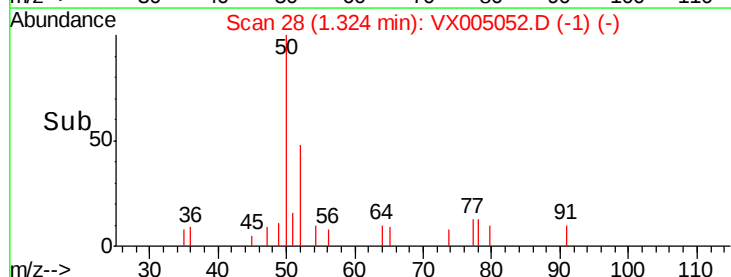
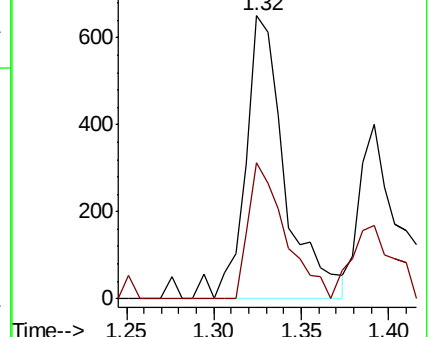
50 100

52 48.1 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.353 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005052.D

Acq: 05 Oct 2018 07:11

Instrument :

MSVOA_X

ClientSampleId :

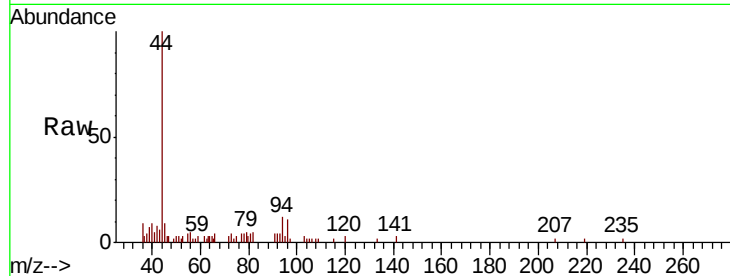
SA-TW510-4145

Tot Ion: 94 Resp: 733

Ion Ratio Lower Upper

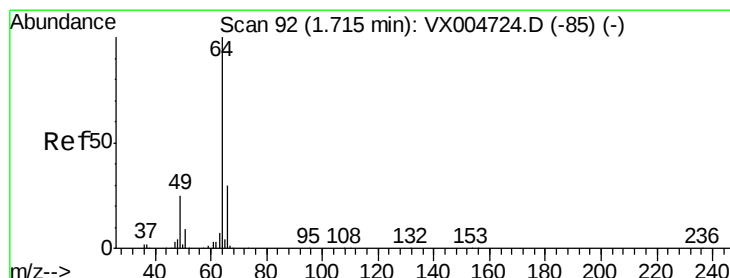
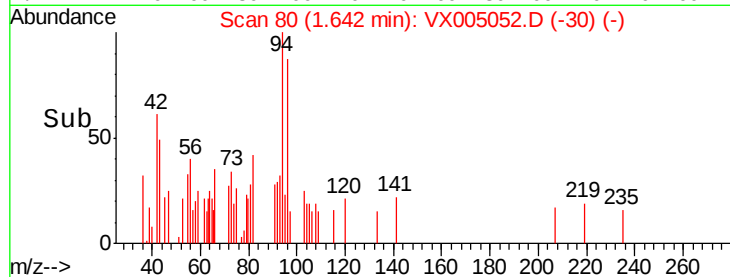
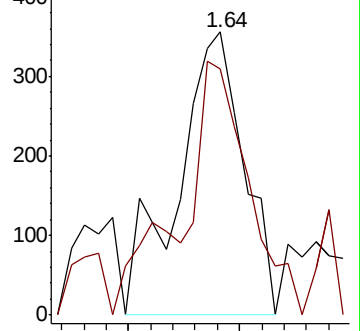
94 100

96 69.9 79.5 119.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005052.D

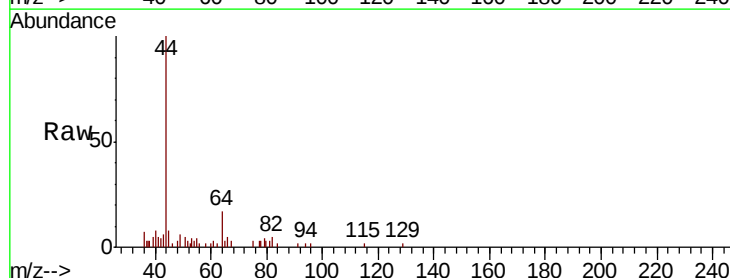
Acq: 05 Oct 2018 07:11

Tgt Ion: 64 Resp: 856

Ion Ratio Lower Upper

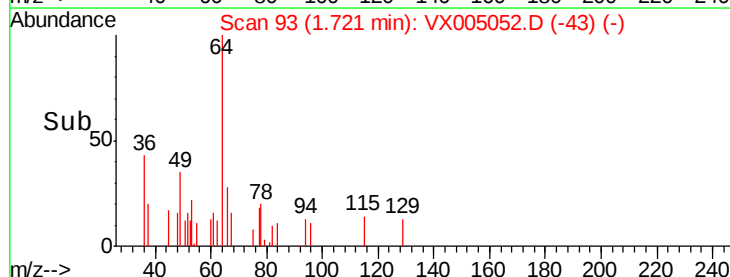
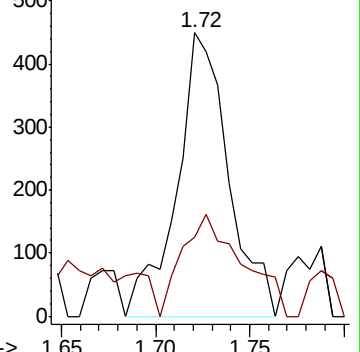
64 100

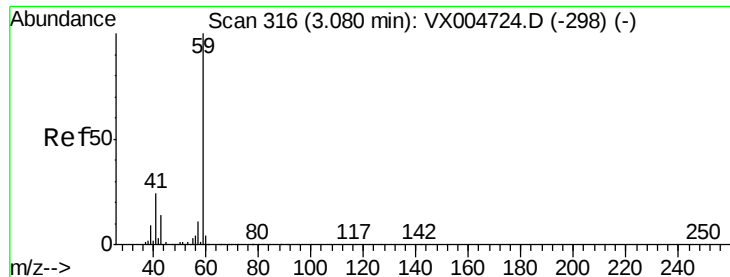
66 14.3 23.8 35.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



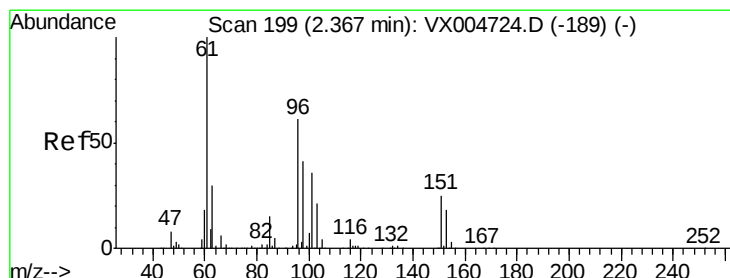
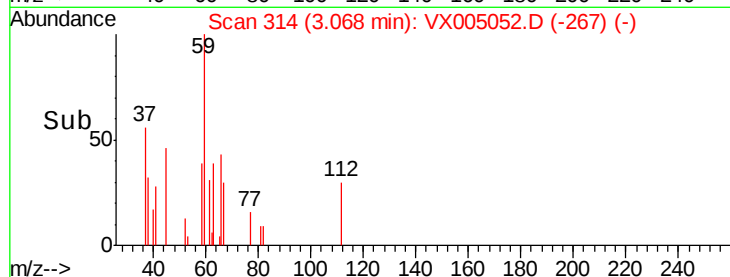
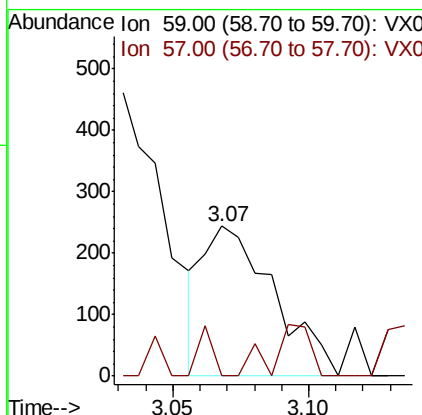
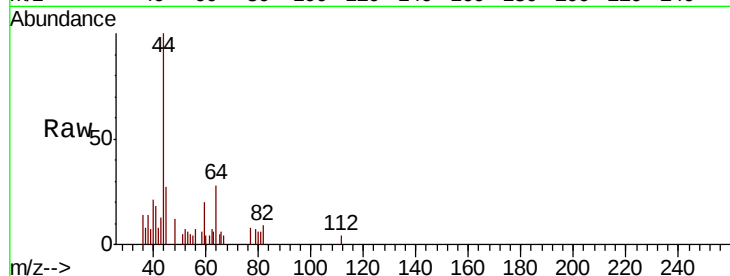


#11

Tert butyl alcohol
 Concen: 0.490 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX005052.D
 Acq: 05 Oct 2018 07:11

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW510-4145

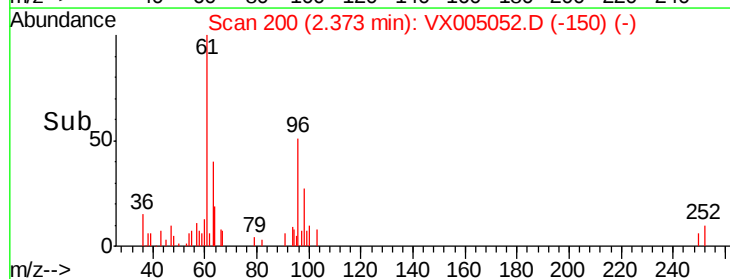
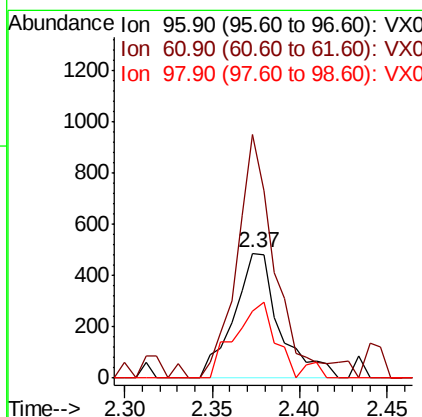
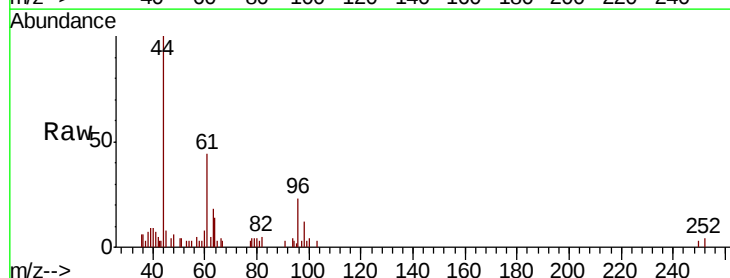
Tot Ion: 59 Resp: 441
 Ion Ratio Lower Upper
 59 100
 57 6.8 8.6 12.8#

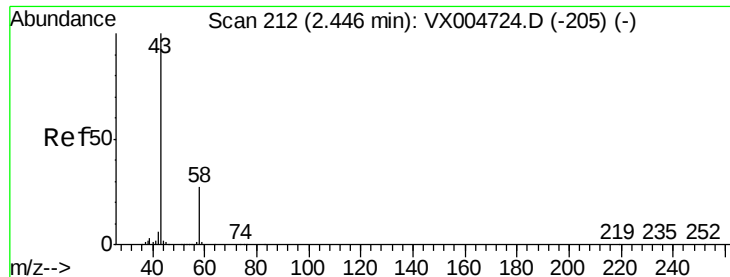


#12

1,1-Dichloroethene
 Concen: 0.360 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: VX005052.D
 Acq: 05 Oct 2018 07:11

Tgt Ion: 96 Resp: 879
 Ion Ratio Lower Upper
 96 100
 61 194.9 130.2 195.4
 98 53.3 53.4 80.0#





#16

Acetone

Concen: 4.069 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005052.D

Acq: 05 Oct 2018 07:11

Instrument :

MSVOA_X

ClientSampleId :

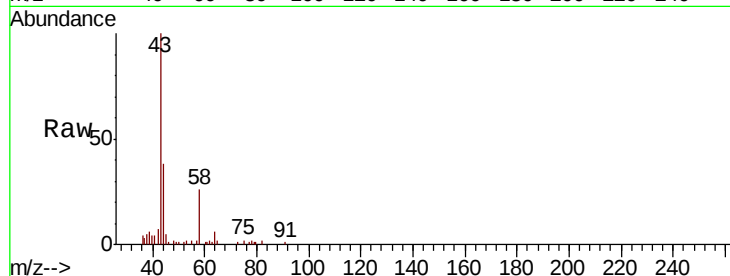
SA-TW510-4145

Tot Ion: 43 Resp: 7649

Ion Ratio Lower Upper

43 100

58 26.9 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

6000

5000

4000

3000

2000

1000

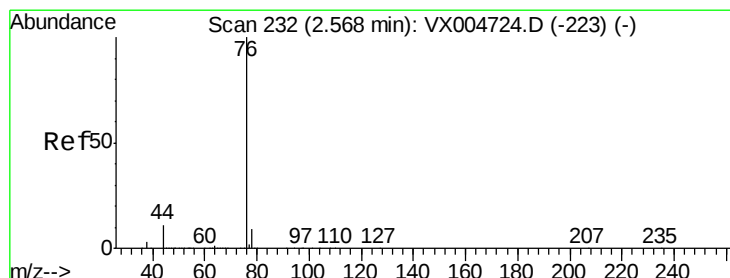
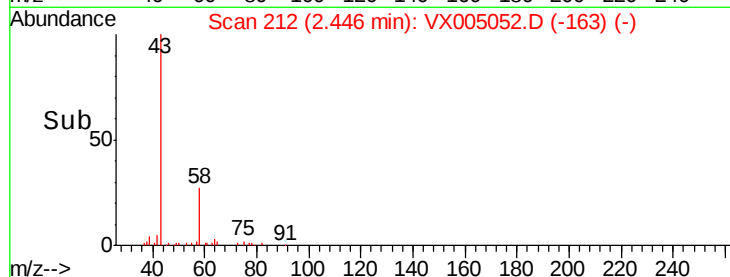
0

2.40

2.45

2.50

Time-->



#17

Carbon Disulfide

Concen: 0.219 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005052.D

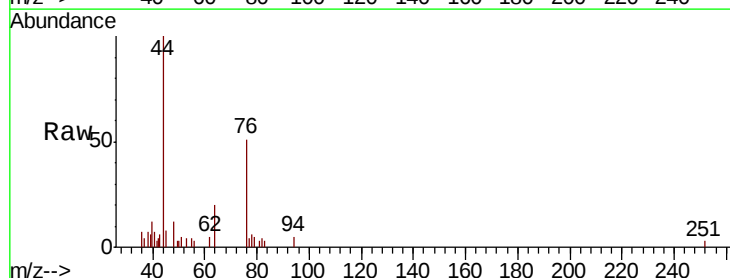
Acq: 05 Oct 2018 07:11

Tgt Ion: 76 Resp: 1607

Ion Ratio Lower Upper

76 100

78 6.0 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

1000

800

600

400

200

0

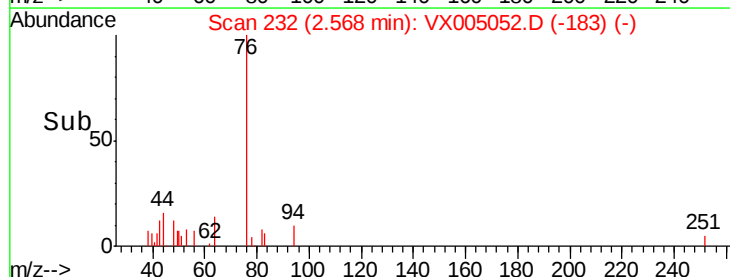
2.50

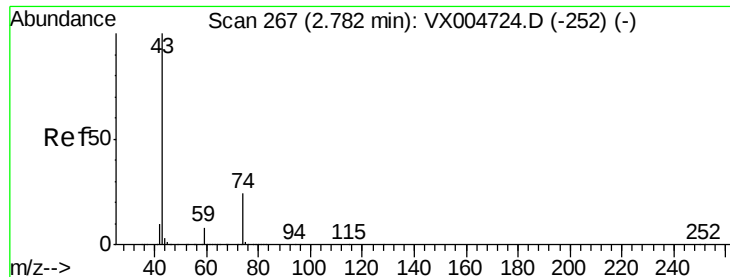
2.55

2.60

2.65

Time-->

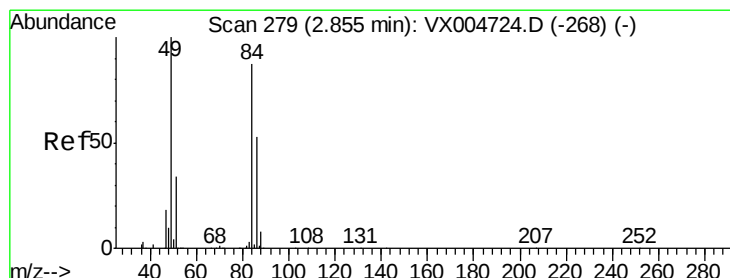
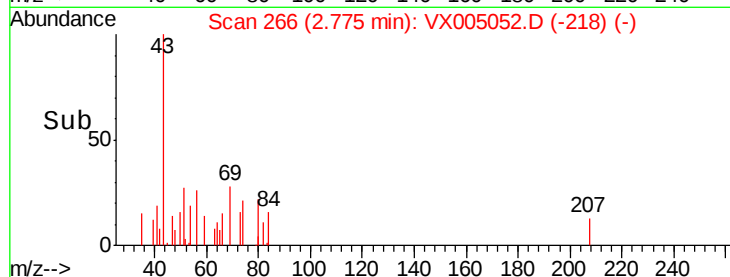
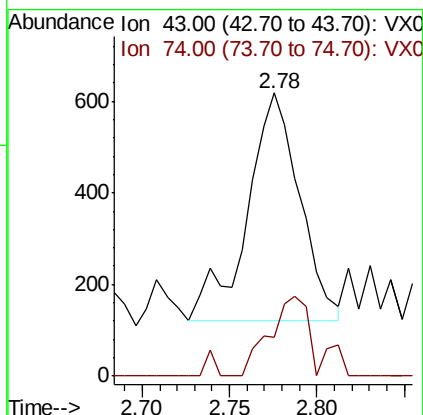
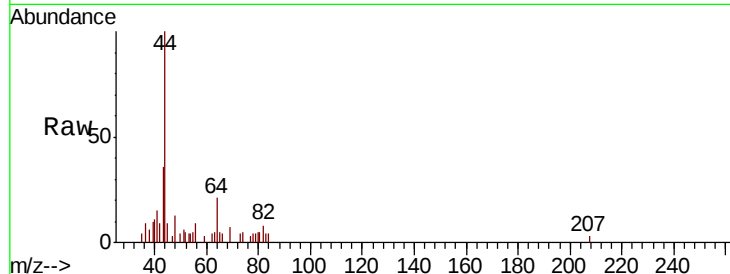




#18
Methyl Acetate
Concen: 0.218 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005052.D
Acq: 05 Oct 2018 07:11

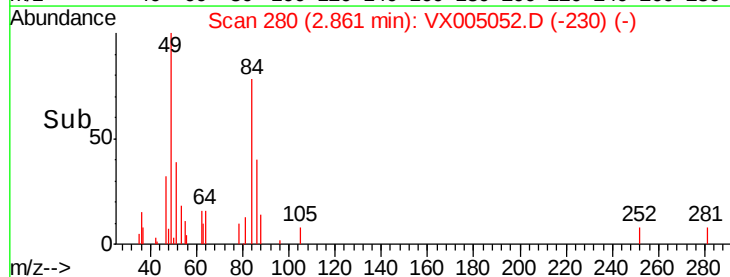
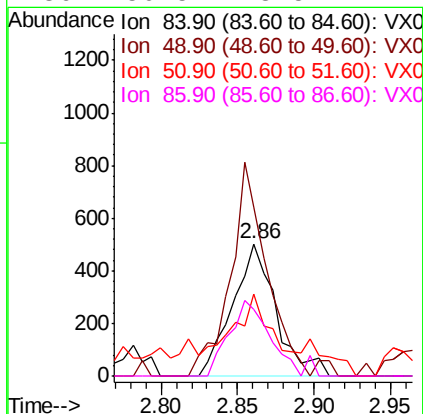
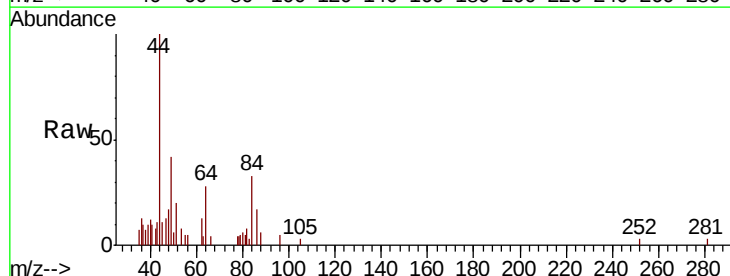
Instrument :
MSVOA_X
ClientSampled :
SA-TW510-4145

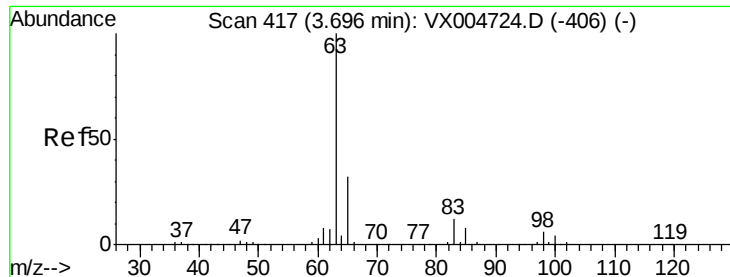
Tot Ion: 43 Resp: 1039
Ion Ratio Lower Upper
43 100
74 29.6 17.8 26.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005052.D
Acq: 05 Oct 2018 07:11

Tgt Ion: 84 Resp: 992
Ion Ratio Lower Upper
84 100
49 127.6 92.3 138.5
51 49.3 31.8 47.6#
86 50.5 48.5 72.7





#24

1,1-Dichloroethane

Concen: 2.844 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX005052.D

Acq: 05 Oct 2018 07:11

Instrument :

MSVOA_X

ClientSampleId :

SA-TW510-4145

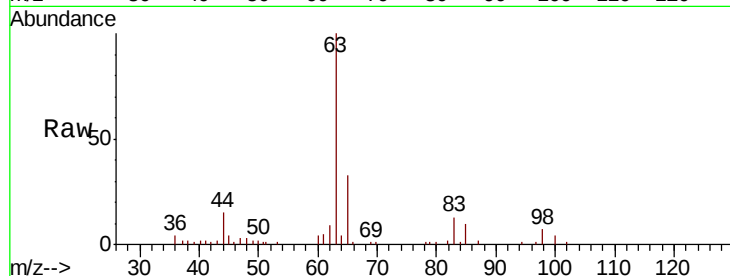
Tot Ion: 63 Resp: 15225

Ion Ratio Lower Upper

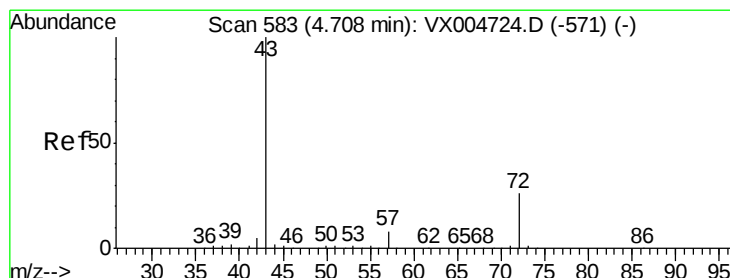
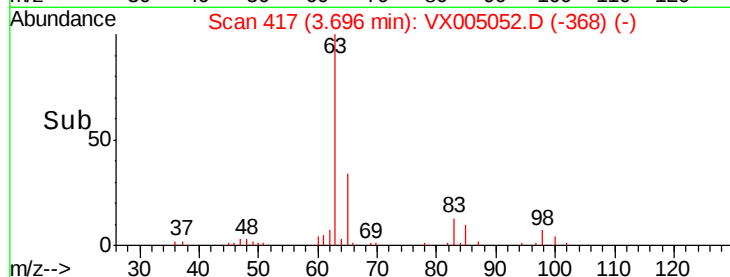
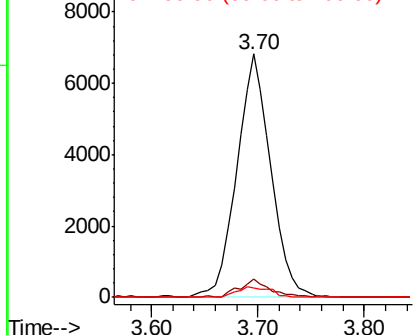
63 100

98 7.4 3.0 9.2

100 4.0 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



#25

2-Butanone

Concen: 0.491 ug/l

RT: 4.71 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX005052.D

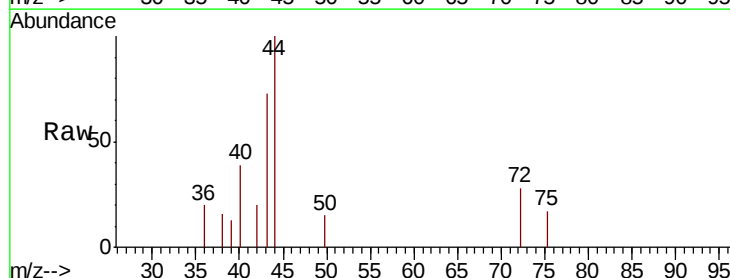
Acq: 05 Oct 2018 07:11

Tgt Ion: 43 Resp: 1360

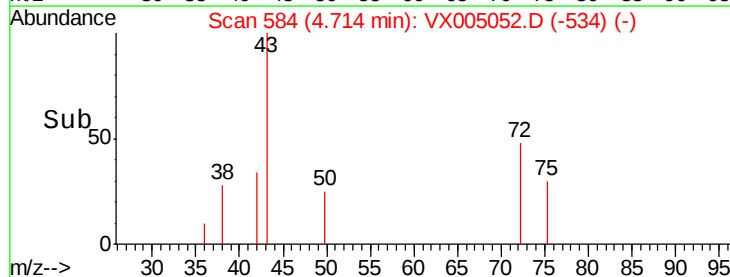
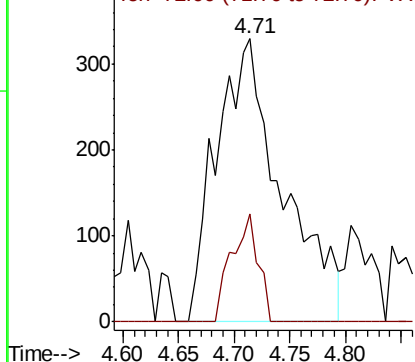
Ion Ratio Lower Upper

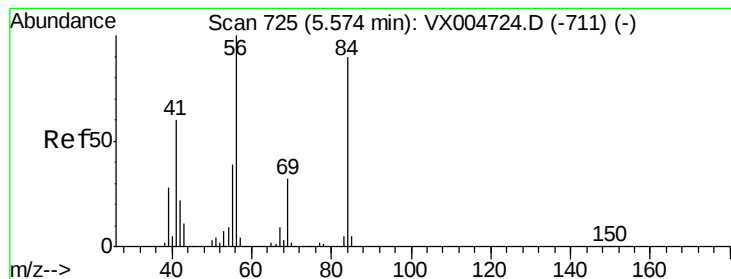
43 100

72 38.3 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#31

Cyclohexane

Concen: 0.980 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX005052.D

Acq: 05 Oct 2018 07:11

Instrument :

MSVOA_X

ClientSampleId :

SA-TW510-4145

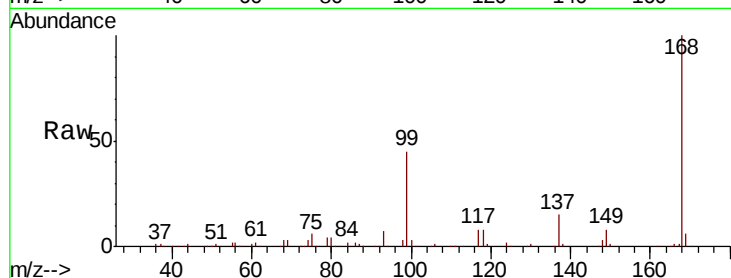
Tot Ion: 56 Resp: 4015

Ion Ratio Lower Upper

56 100

69 183.3 25.9 38.9#

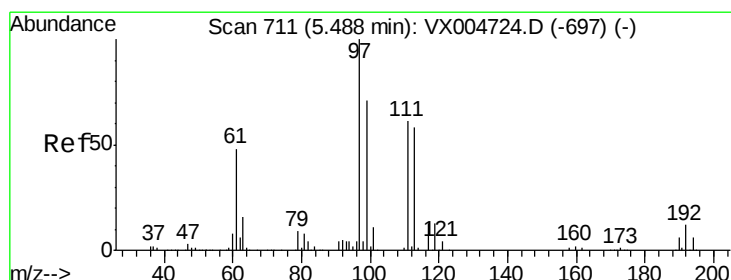
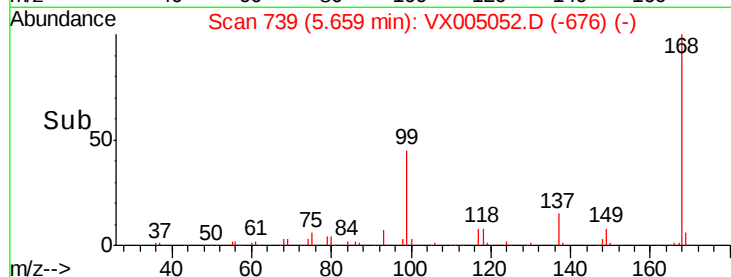
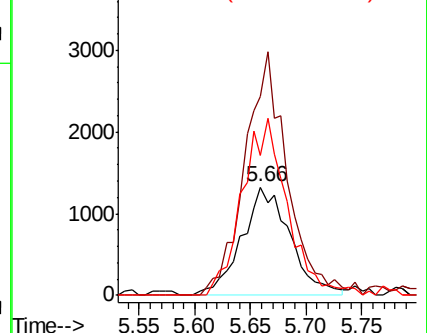
84 129.1 71.9 107.9#



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



#32

1,1,1-Trichloroethane

Concen: 0.410 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.00 min

Lab File: VX005052.D

Acq: 05 Oct 2018 07:11

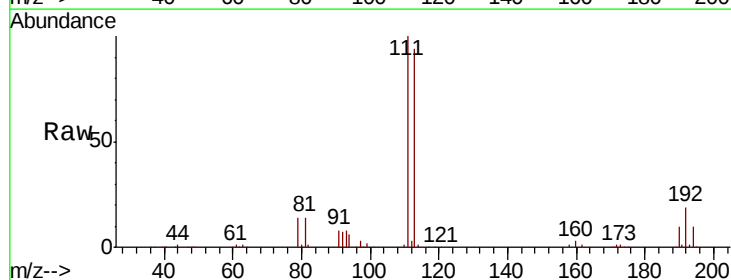
Tgt Ion: 97 Resp: 1695

Ion Ratio Lower Upper

97 100

99 0.0 54.6 82.0#

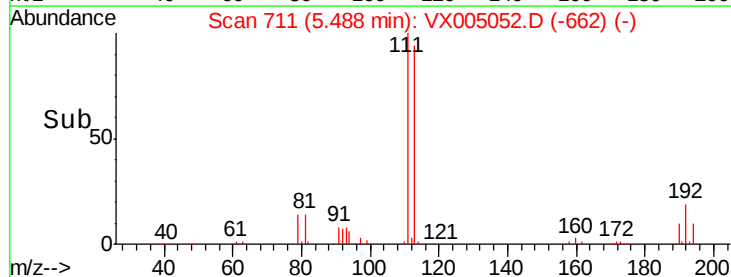
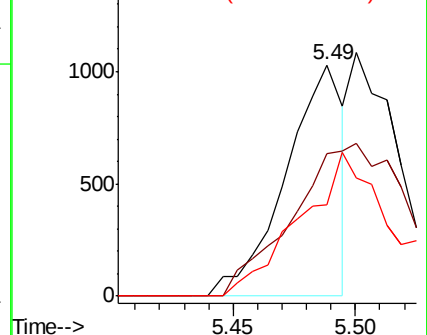
61 95.5 37.5 56.3#

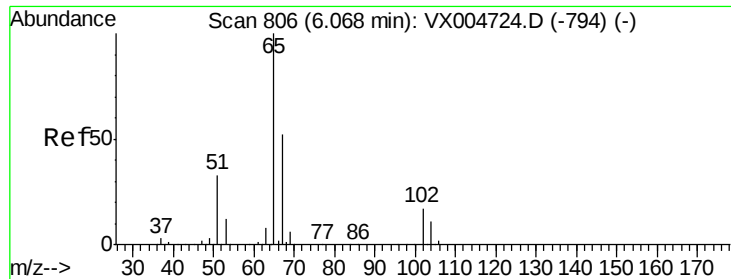


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

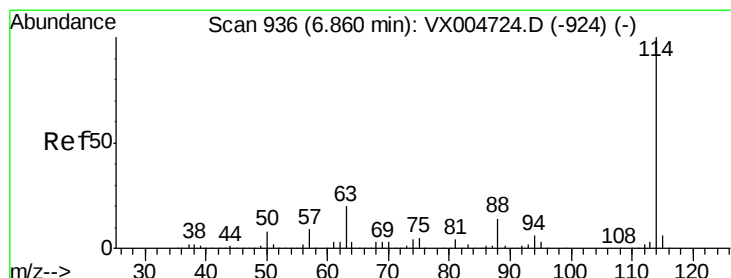
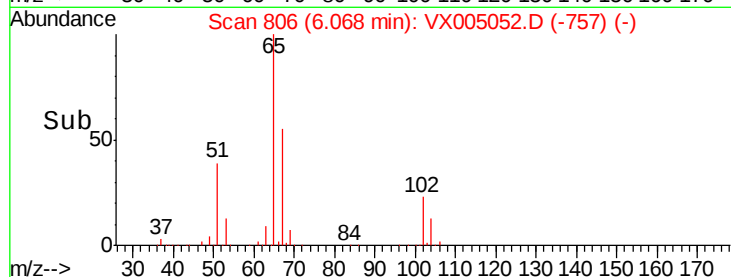
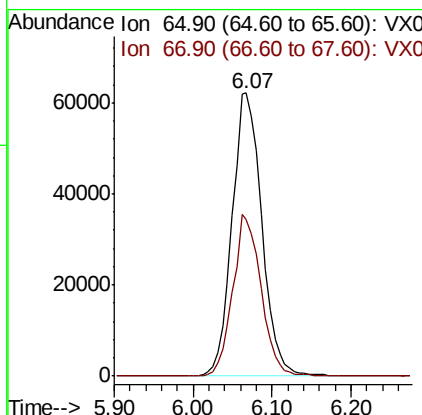
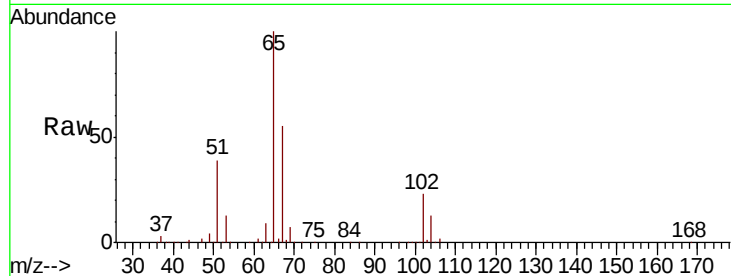




#33
 1,2-Dichloroethane-d4
 Concen: 50.687 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005052.D
 Acq: 05 Oct 2018 07:11

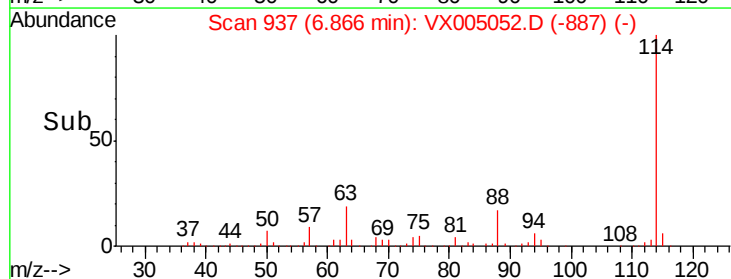
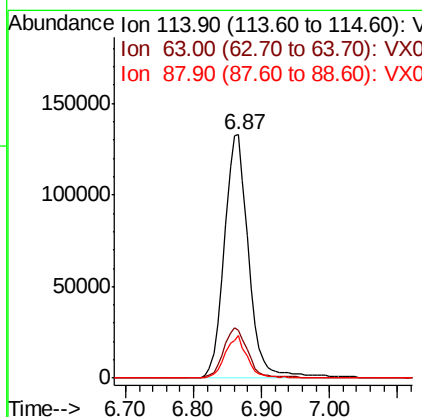
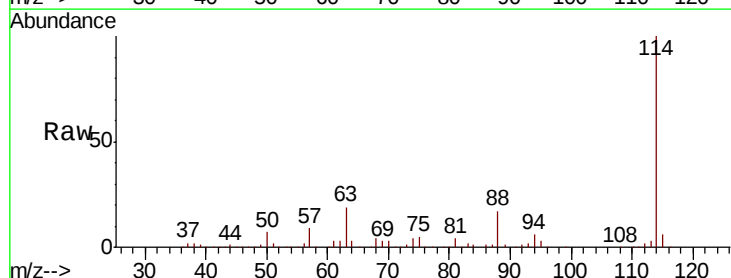
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW510-4145

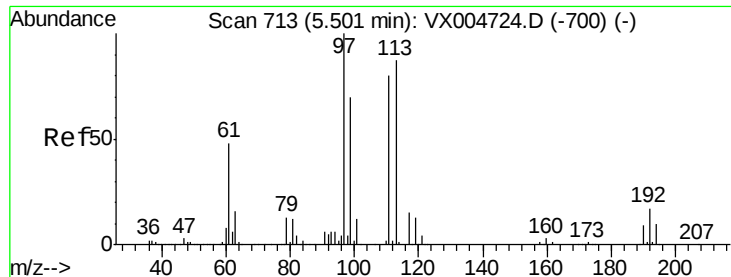
Tot Ion: 65 Resp: 163206
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005052.D
 Acq: 05 Oct 2018 07:11

Tgt Ion: 114 Resp: 329521
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 17.3 0.0 27.0

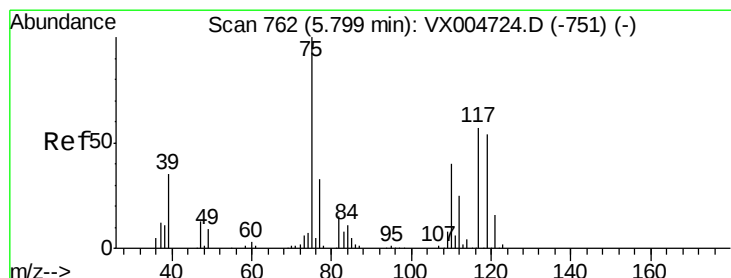
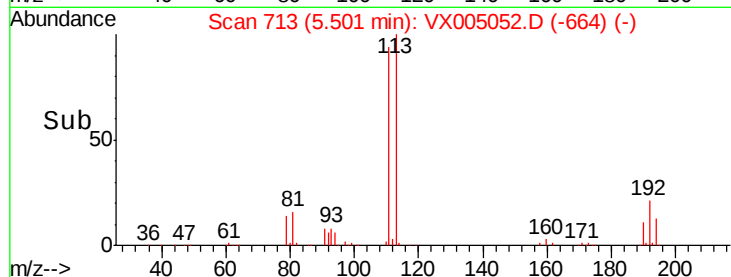
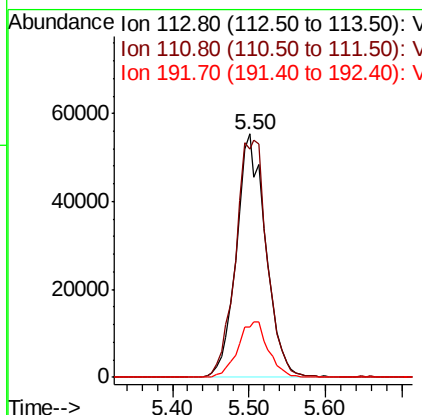
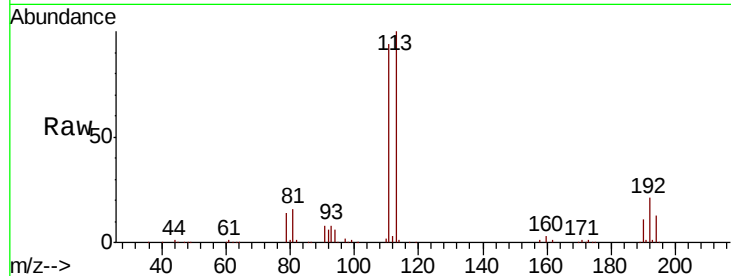




#35
 Dibromofluoromethane
 Concen: 52.576 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005052.D
 Acq: 05 Oct 2018 07:11

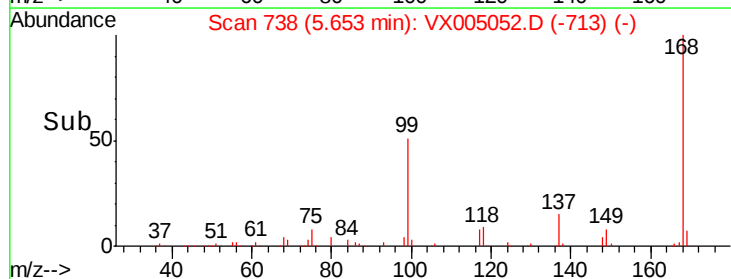
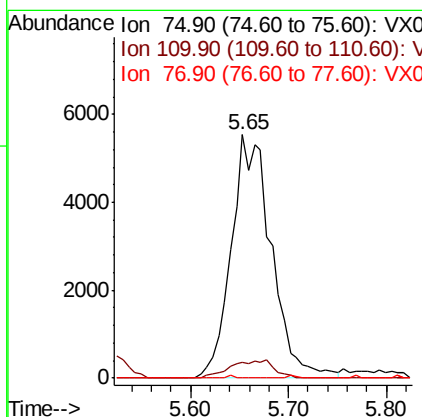
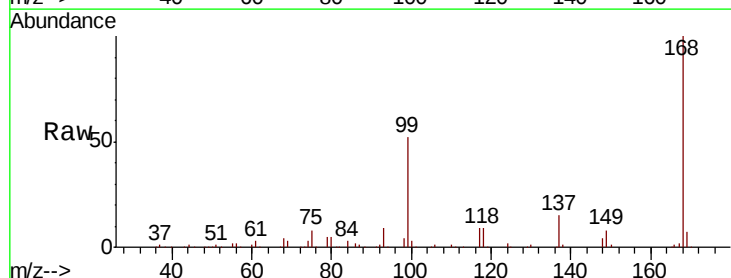
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW510-4145

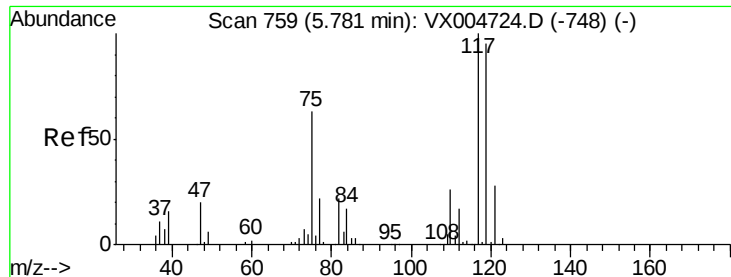
Tot Ion:113 Resp: 146830
 Ion Ratio Lower Upper
 113 100
 111 104.6 77.0 115.4
 192 23.4 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 4.138 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX005052.D
 Acq: 05 Oct 2018 07:11

Tgt Ion: 75 Resp: 15767
 Ion Ratio Lower Upper
 75 100
 110 0.0 20.0 59.9#
 77 0.1 27.1 40.7#





#38

Carbon Tetrachloride

Concen: 5.098 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005052.D

Acq: 05 Oct 2018 07:11

Instrument :

MSVOA_X

ClientSampleId :

SA-TW510-4145

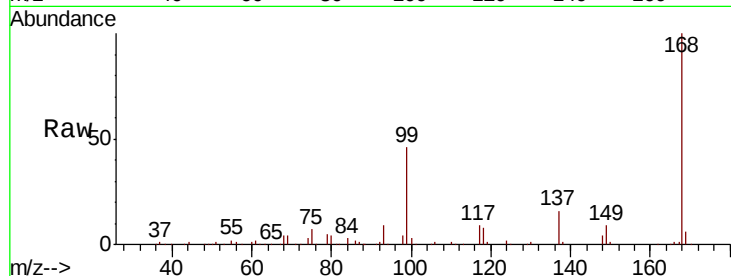
Tot Ion:117 Resp: 20419

Ion Ratio Lower Upper

117 100

119 6.5 75.2 112.8#

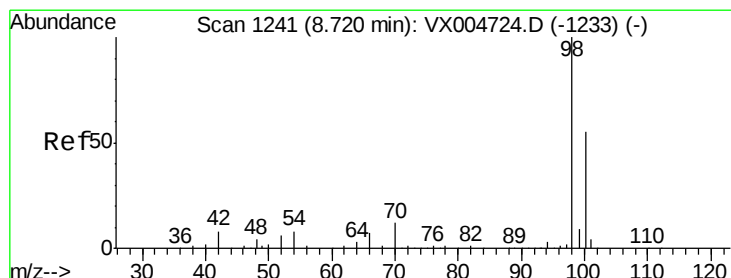
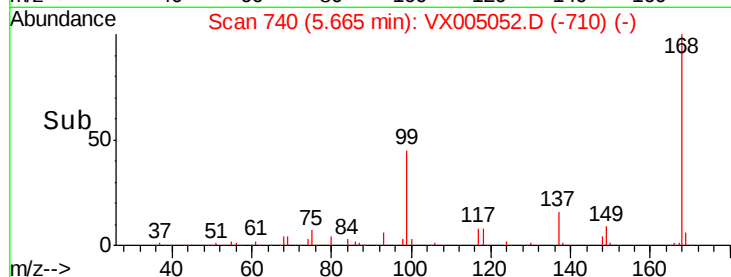
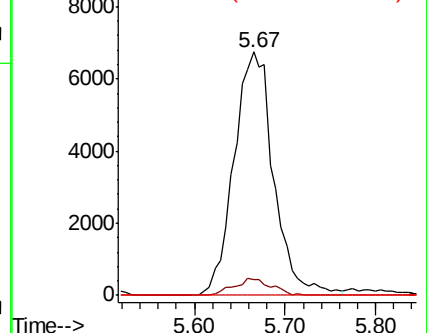
121 0.0 22.5 33.7#



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: 52.163 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX005052.D

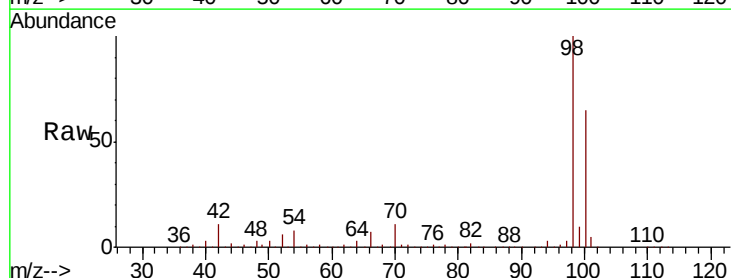
Acq: 05 Oct 2018 07:11

Tgt Ion: 98 Resp: 484305

Ion Ratio Lower Upper

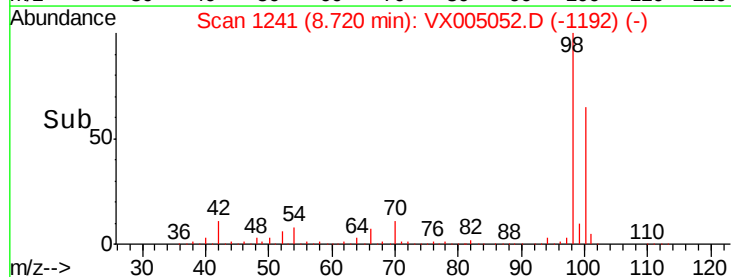
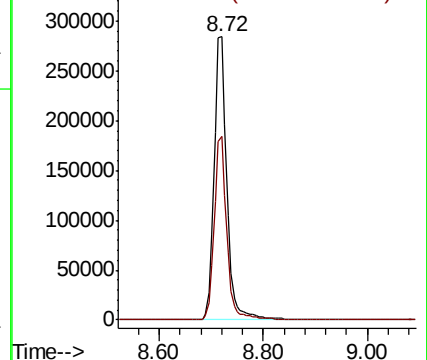
98 100

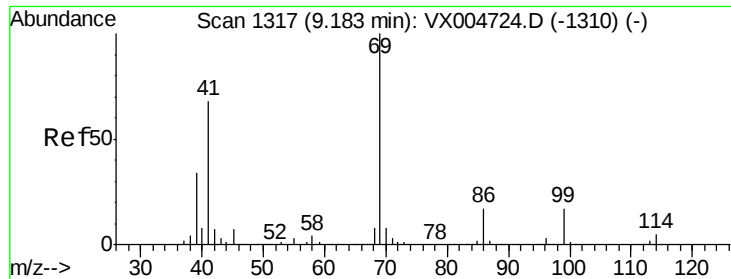
100 63.6 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#56

Ethyl methacrylate

Concen: 2.870 ug/l

RT: 8.98 min Scan# 1283

Delta R.T. -0.21 min

Lab File: VX005052.D

Acq: 05 Oct 2018 07:11

Instrument :

MSVOA_X

ClientSampleId :

SA-TW510-4145

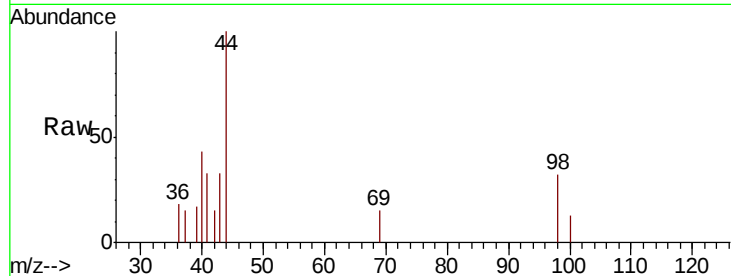
Tot Ion: 69 Resp: 41

Ion Ratio Lower Upper

69 100

41 726.8 56.9 85.3#

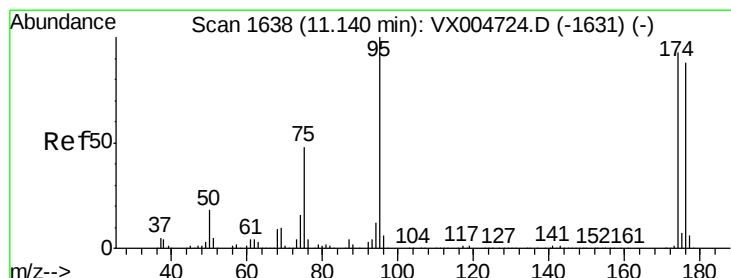
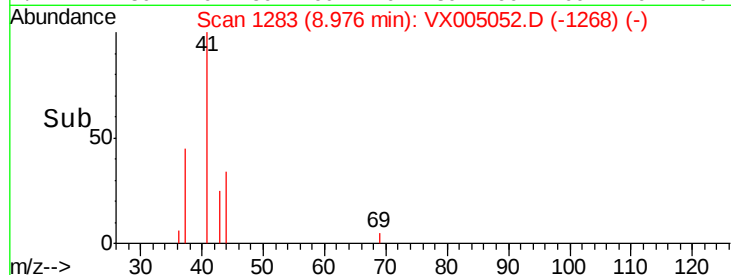
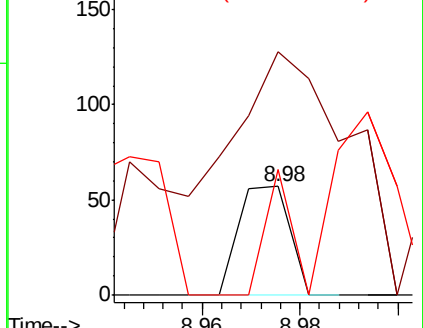
39 263.4 28.4 42.6#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#62

4-Bromofluorobenzene

Concen: 51.085 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005052.D

Acq: 05 Oct 2018 07:11

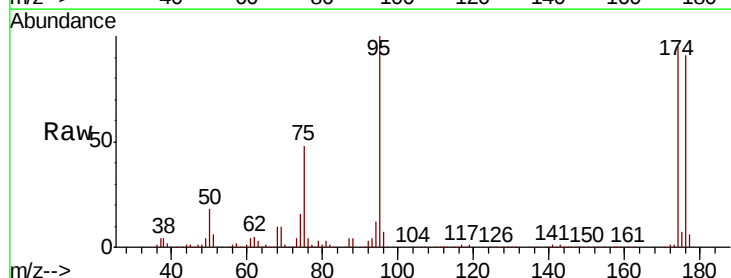
Tgt Ion: 95 Resp: 170866

Ion Ratio Lower Upper

95 100

174 93.3 0.0 185.0

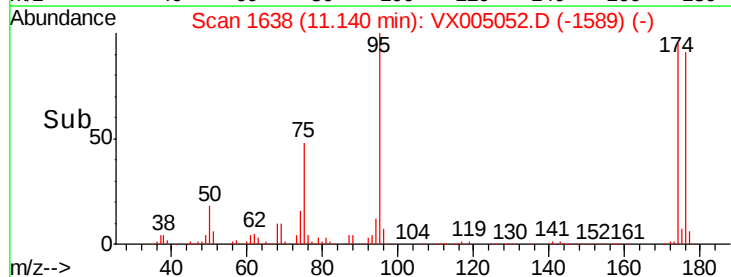
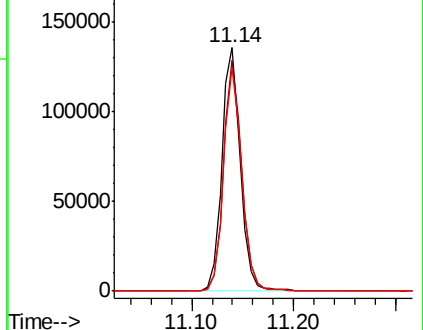
176 90.7 0.0 180.2

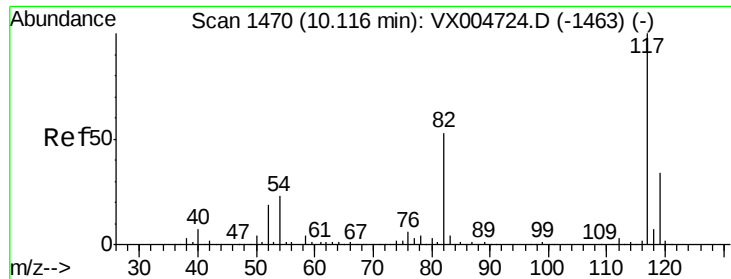


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

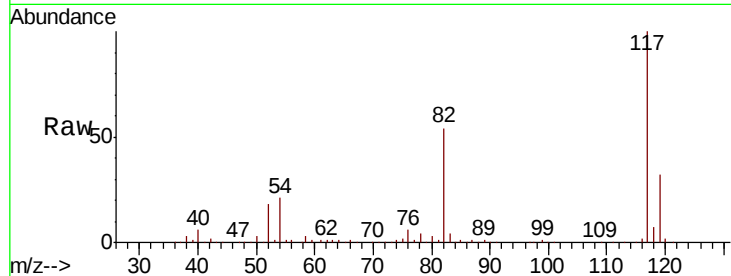




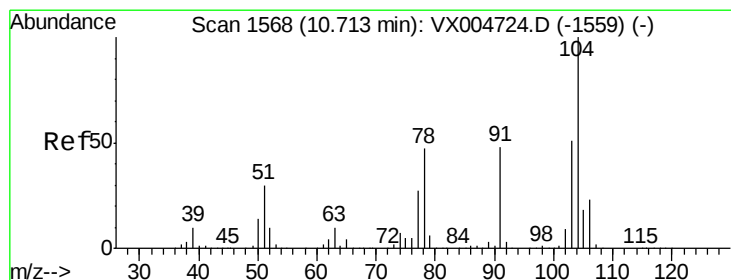
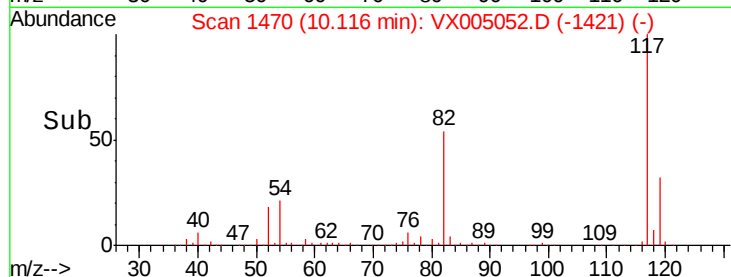
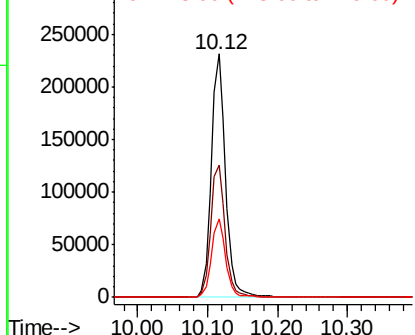
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005052.D
Acq: 05 Oct 2018 07:11

Instrument :
MSVOA_X
ClientSampleId :
SA-TW510-4145

Tot Ion:117 Resp: 326316
Ion Ratio Lower Upper
117 100
82 54.3 42.2 63.4
119 32.2 27.4 41.0

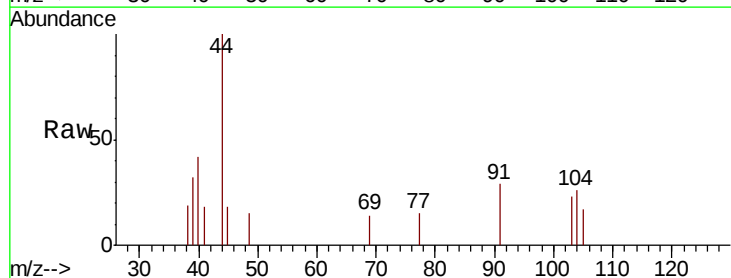


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

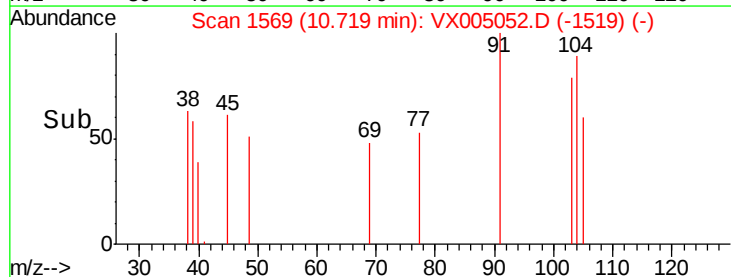
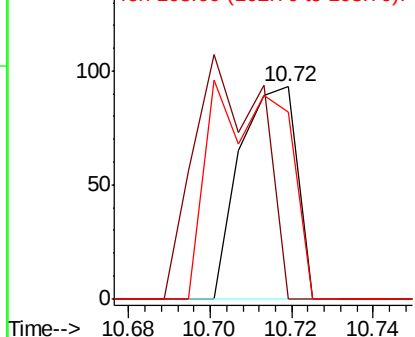


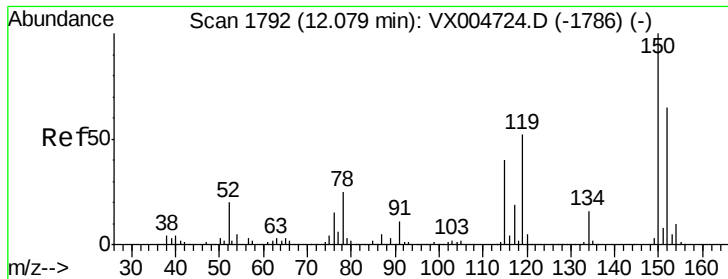
#70
Styrene
Concen: 2.150 ug/l
RT: 10.72 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VX005052.D
Acq: 05 Oct 2018 07:11

Tgt Ion:104 Resp: 90
Ion Ratio Lower Upper
104 100
78 134.4 40.0 60.0#
103 136.7 44.3 66.5#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005052.D

Acq: 05 Oct 2018 07:11

Instrument :

MSVOA_X

ClientSampleId :

SA-TW510-4145

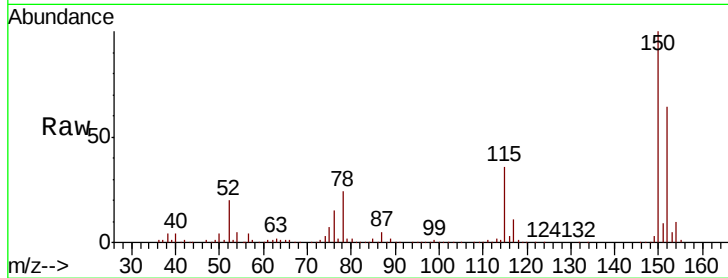
Tot Ion:152 Resp: 176976

Ion Ratio Lower Upper

152 100

115 55.9 40.2 120.6

150 156.9 0.0 351.0

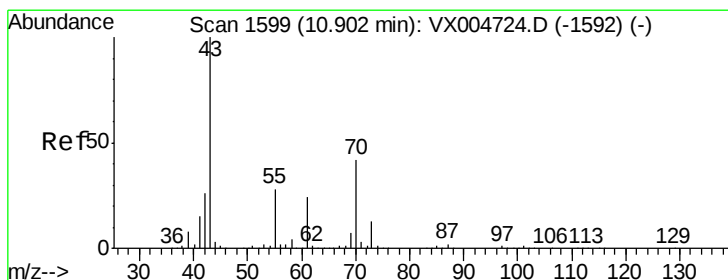
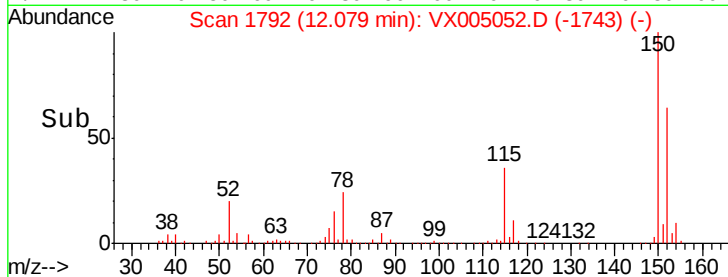
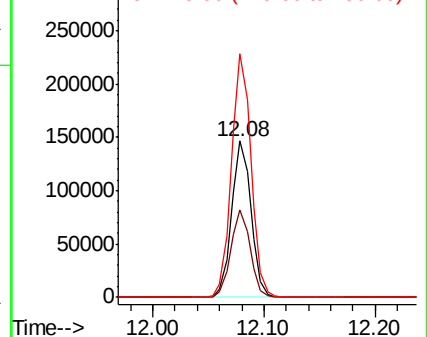


Abundance

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



#74

N-ethyl acetate

Concen: 1.791 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX005052.D

Acq: 05 Oct 2018 07:11

Tgt Ion: 43 Resp: 273

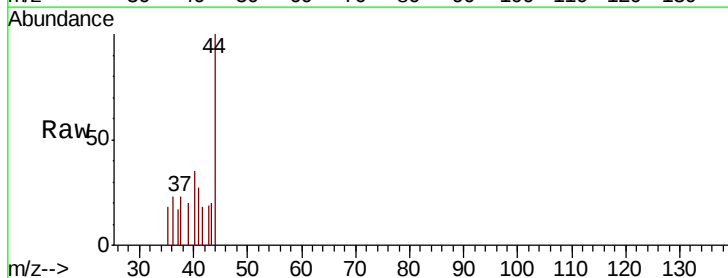
Ion Ratio Lower Upper

43 100

70 23.4 32.6 48.8#

55 7.7 21.6 32.4#

61 0.0 19.1 28.7#



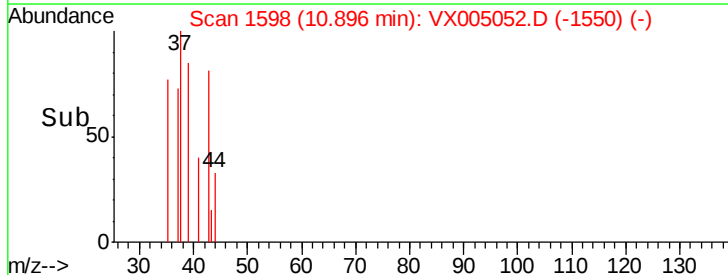
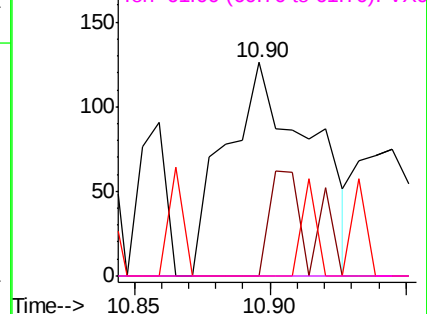
Abundance

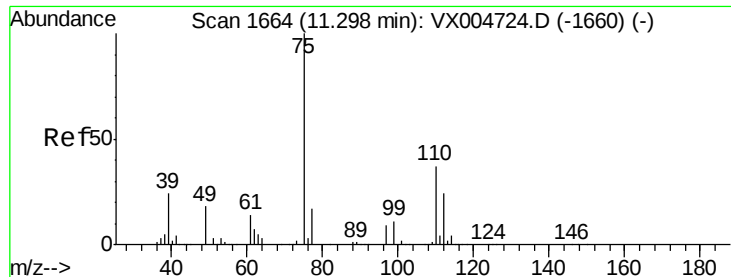
Ion 43.00 (42.70 to 43.70): VX0

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





#76

1,2,3-Trichloropropane

Concen: 21.309 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005052.D

Acq: 05 Oct 2018 07:11

Instrument :

MSVOA_X

ClientSampleId :

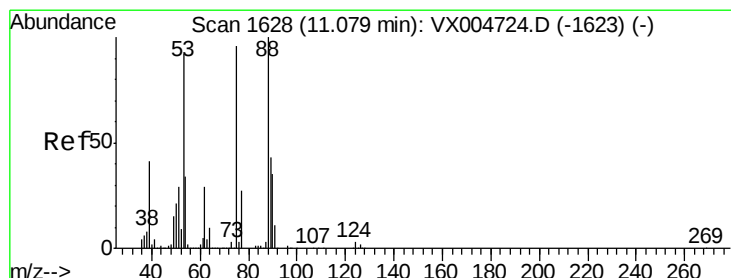
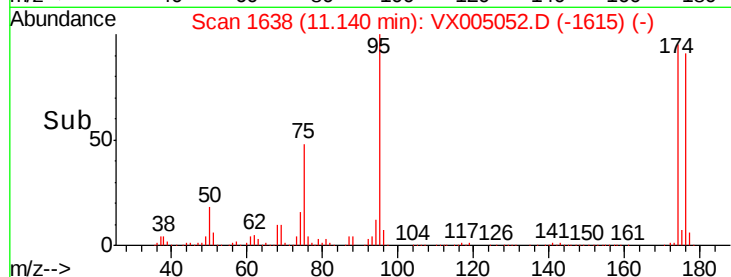
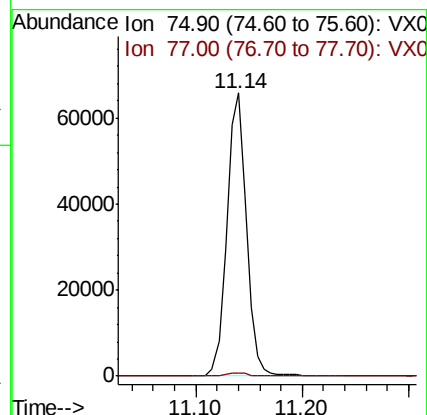
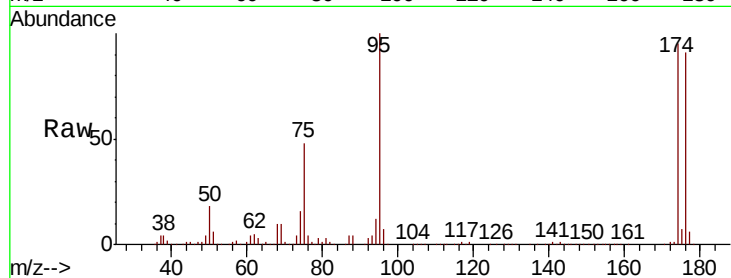
SA-TW510-4145

Tot Ion: 75 Resp: 84524

Ion Ratio Lower Upper

75 100

77 1.3 21.4 64.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.794 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX005052.D

Acq: 05 Oct 2018 07:11

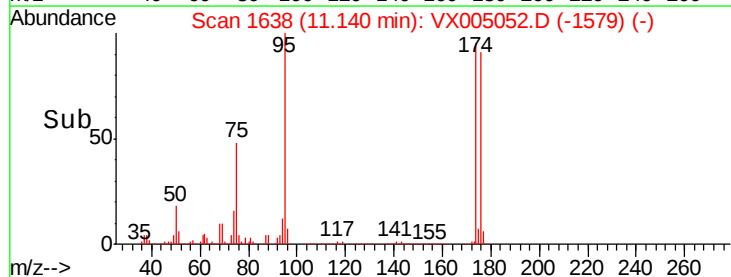
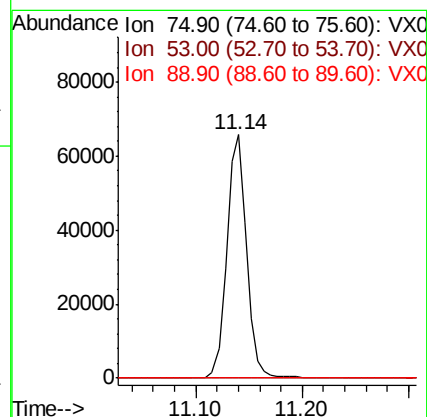
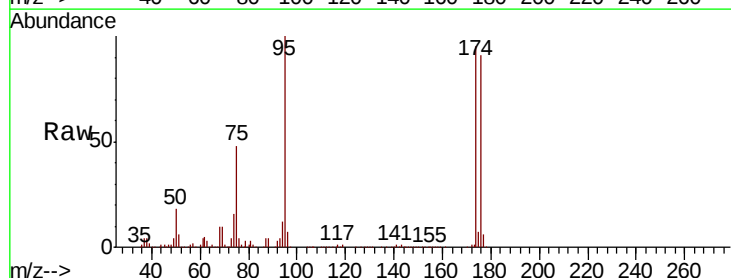
Tgt Ion: 75 Resp: 84524

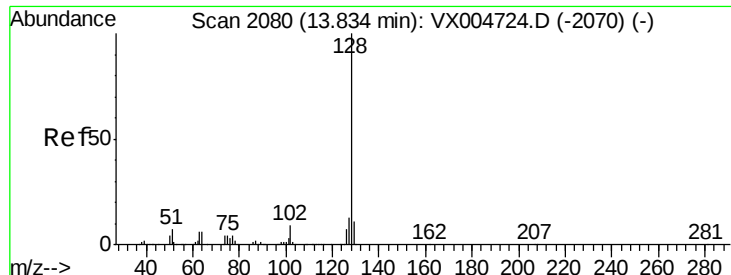
Ion Ratio Lower Upper

75 100

53 0.4 80.2 120.4#

89 0.0 37.1 55.7#





#95
Naphthalene
Concen: 0.788 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005052.D
Acq: 05 Oct 2018 07:11

Instrument :
MSVOA_X
ClientSampleId :
SA-TW510-4145

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.9	10.4	15.6#
129	7.9	8.7	13.1#

