

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050418\
 Data File : VX001407.D
 Acq On : 04 May 2018 19:53
 Operator : JC/MD
 Sample : J2707-16
 Misc : 7.00g/5mL/100uL/5mL/MSVOA_X/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-9(7.5-8)

Quant Time: May 05 05:45:36 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 02 01:48:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	162997	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	221418	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	197835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	109502	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	111612	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
35) Dibromofluoromethane	5.51	113	92906	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
50) Toluene-d8	8.72	98	323742	47.50	ug/l	0.00
Spiked Amount			Recovery	=	95.00%	
62) 4-Bromofluorobenzene	11.15	95	104313	38.27	ug/l	0.00
Spiked Amount			Recovery	=	76.54%	

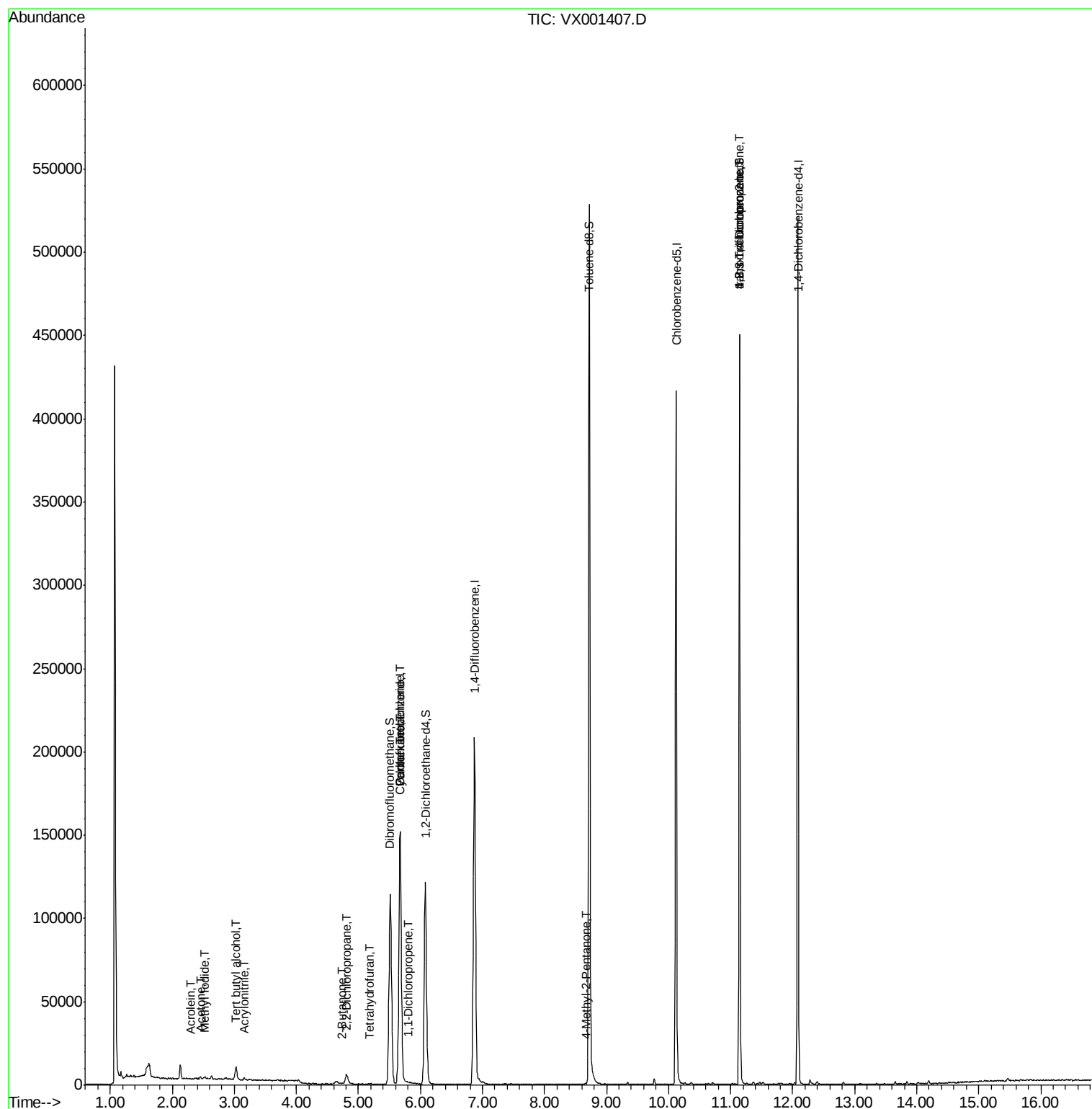
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	763	Below Cal		98
10) Methyl Iodide	2.52	142	1400	4.98	ug/l	94
11) Tert butyl alcohol	3.03	59	4321	11.13	ug/l #	76
13) Acrolein	2.30	56	152	0.68	ug/l #	79
15) Acrylonitrile	3.15	53	463	0.51	ug/l #	85
16) Acetone	2.45	43	1548	1.61	ug/l	94
20) Methylene Chloride	2.86	84	307	Below Cal	#	86
25) 2-Butanone	4.74	43	612	0.47	ug/l #	49
26) 2,2-Dichloropropane	4.82	77	538	0.22	ug/l #	52
29) Tetrahydrofuran	5.18	42	461	0.58	ug/l #	41
31) Cyclohexane	5.66	56	2907	1.05	ug/l #	24
36) 1,1-Dichloropropene	5.81	75	513	0.20	ug/l #	48
38) Carbon Tetrachloride	5.67	117	13746	5.13	ug/l #	18
51) 4-Methyl-2-Pentanone	8.66	43	546	0.20	ug/l #	83
76) 1,2,3-Trichloropropane	11.15	75	52835	26.09	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.15	75	52835	81.90	ug/l #	6

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001407.D

Acq: 04 May 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

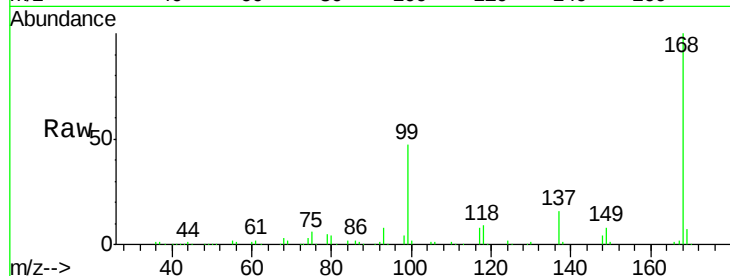
SB-9(7.5-8)

Tgt Ion:168 Resp: 162997

Ion Ratio Lower Upper

168 100

99 46.7 36.5 54.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

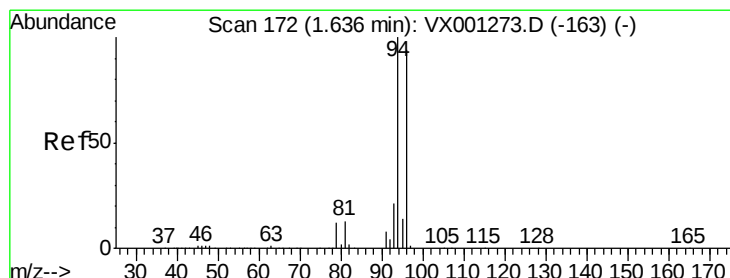
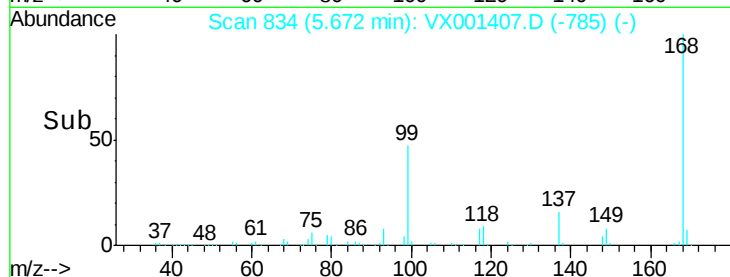
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001407.D

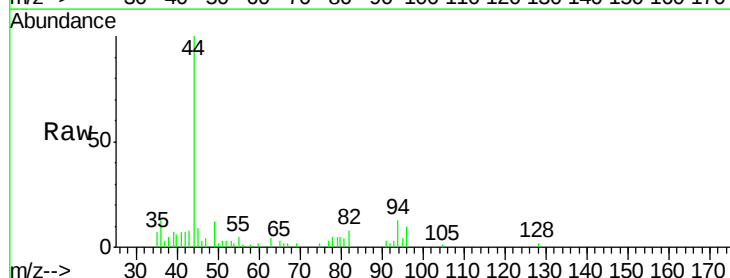
Acq: 04 May 2018 19:53

Tgt Ion: 94 Resp: 763

Ion Ratio Lower Upper

94 100

96 92.9 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

600

500

400

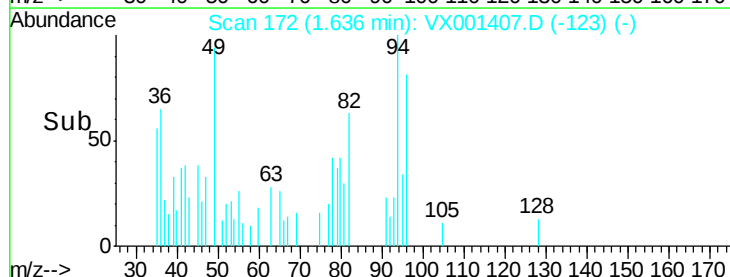
300

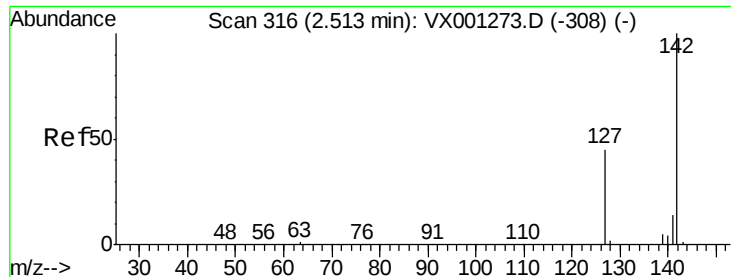
200

100

0

Time--> 1.60 1.65 1.70

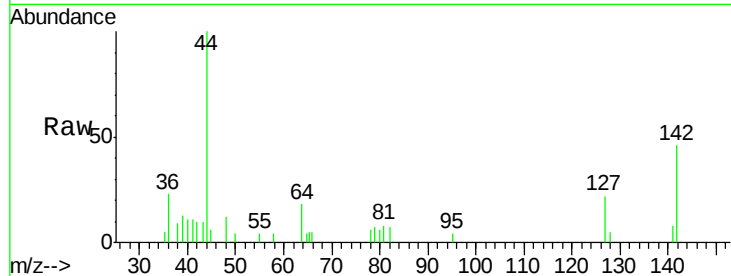




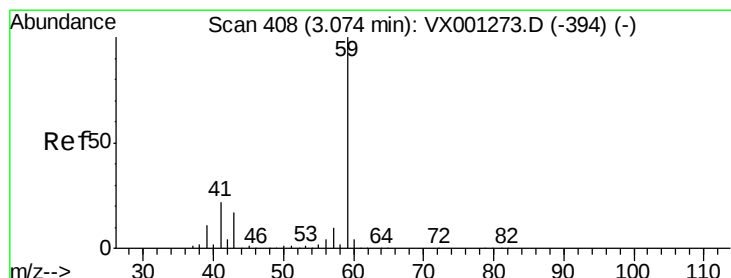
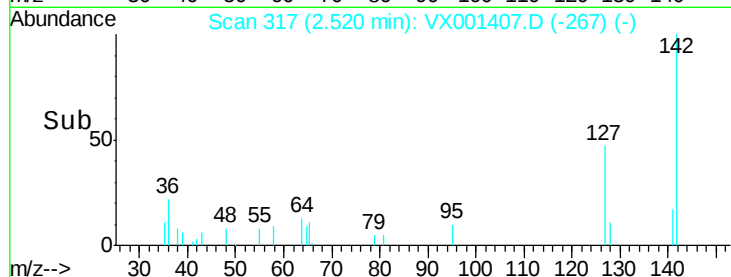
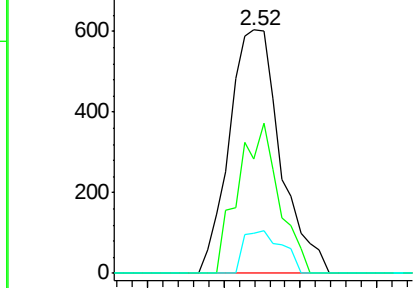
#10
Methyl Iodide
Concen: 4.98 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001407.D
Acq: 04 May 2018 19:53

Instrument :
MSVOA_X
ClientSampled :
SB-9(7.5-8)

Tgt Ion:142 Resp: 1400
Ion Ratio Lower Upper
142 100
127 49.0 35.7 53.5
141 13.4 11.4 17.0

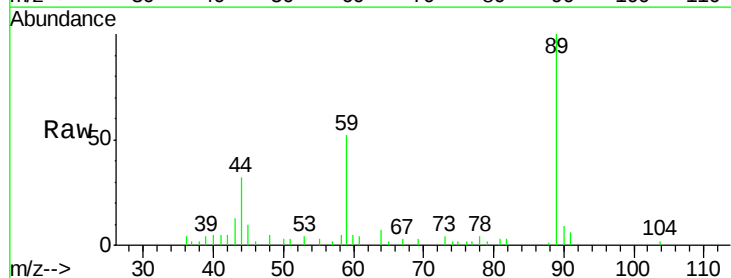


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

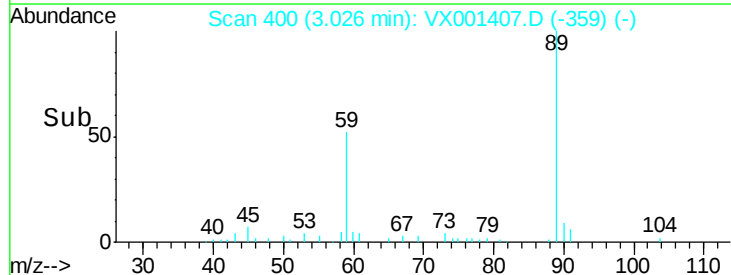
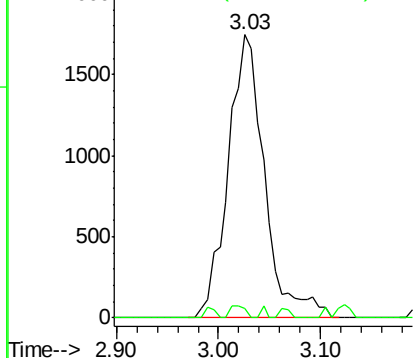


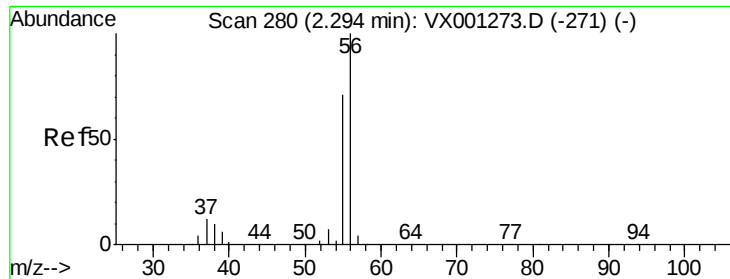
#11
Tert butyl alcohol
Concen: 11.13 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.05 min
Lab File: VX001407.D
Acq: 04 May 2018 19:53

Tgt Ion: 59 Resp: 4321
Ion Ratio Lower Upper
59 100
57 1.7 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

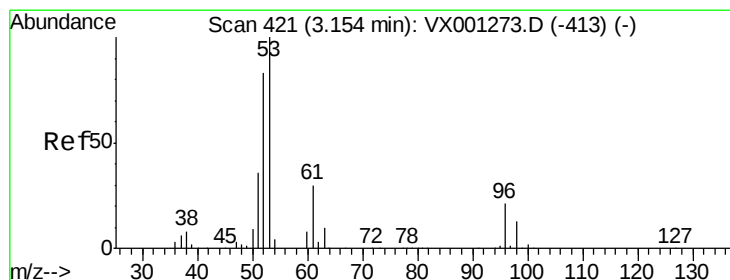
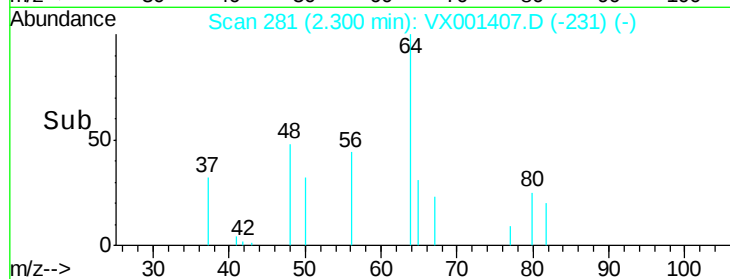
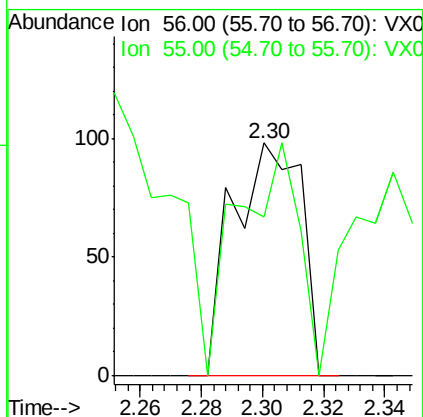
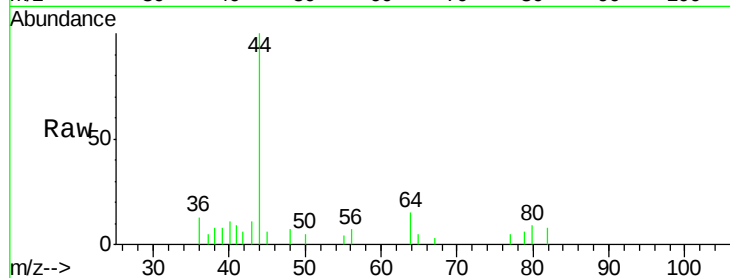




#13
 Acrolein
 Concen: 0.68 ug/l
 RT: 2.30 min Scan# 281
 Delta R.T. 0.01 min
 Lab File: VX001407.D
 Acq: 04 May 2018 19:53

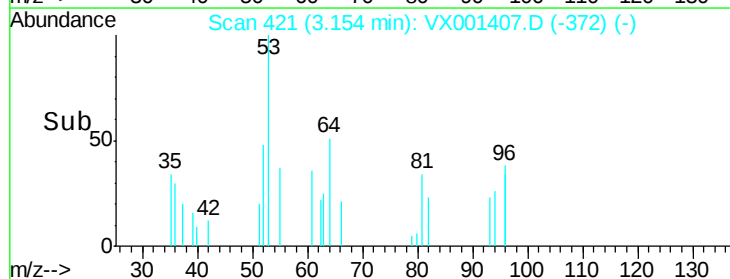
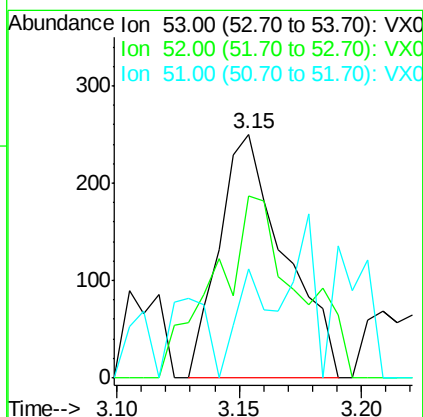
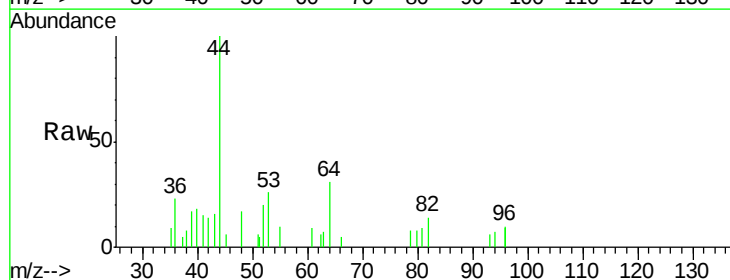
Instrument :
 MSVOA_X
 ClientSampled :
 SB-9(7.5-8)

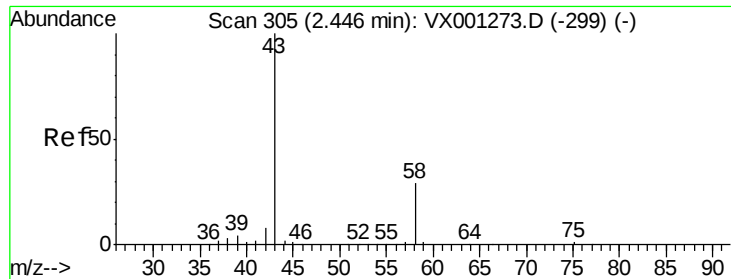
Tgt Ion: 56 Resp: 152
 Ion Ratio Lower Upper
 56 100
 55 88.8 57.2 85.8#



#15
 Acrylonitrile
 Concen: 0.51 ug/l
 RT: 3.15 min Scan# 421
 Delta R.T. 0.00 min
 Lab File: VX001407.D
 Acq: 04 May 2018 19:53

Tgt Ion: 53 Resp: 463
 Ion Ratio Lower Upper
 53 100
 52 94.6 67.0 100.4
 51 24.2 29.9 44.9#





#16

Acetone

Concen: 1.61 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001407.D

Acq: 04 May 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

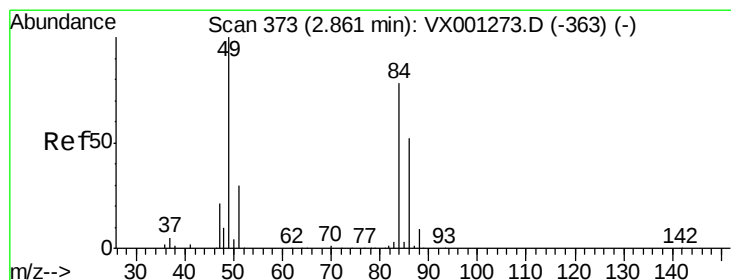
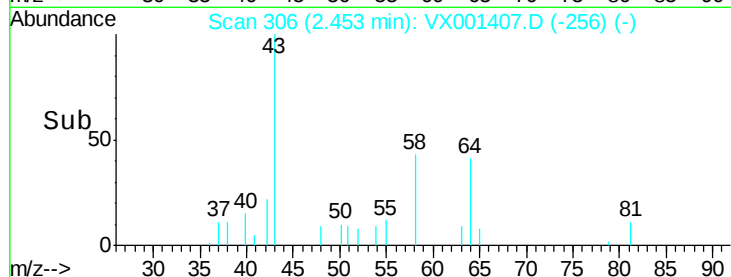
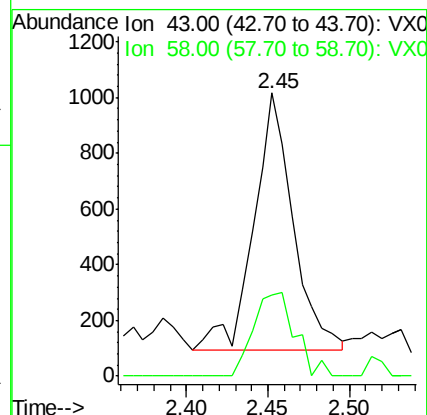
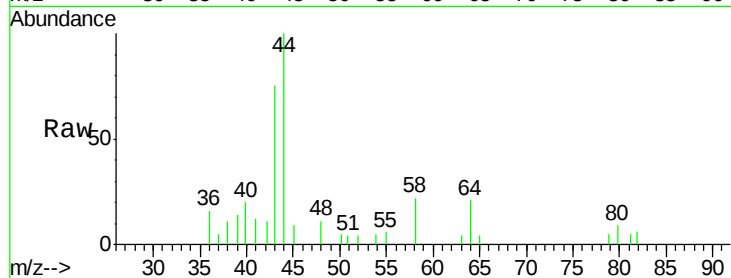
SB-9(7.5-8)

Tgt Ion: 43 Resp: 1548

Ion Ratio Lower Upper

43 100

58 31.8 22.8 34.2



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX001407.D

Acq: 04 May 2018 19:53

Tgt Ion: 84 Resp: 307

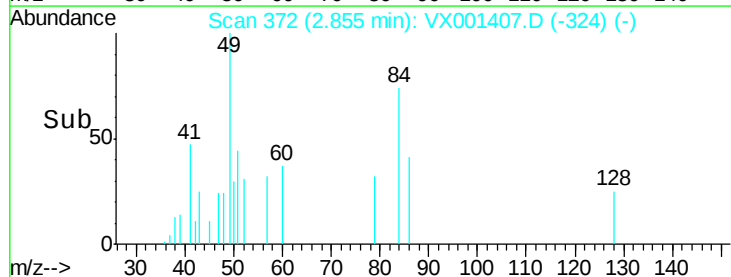
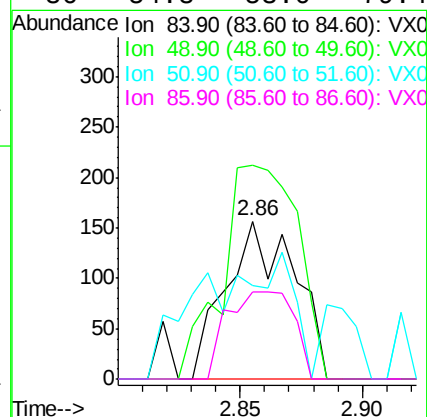
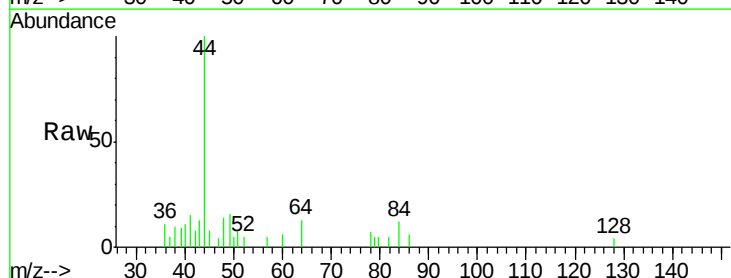
Ion Ratio Lower Upper

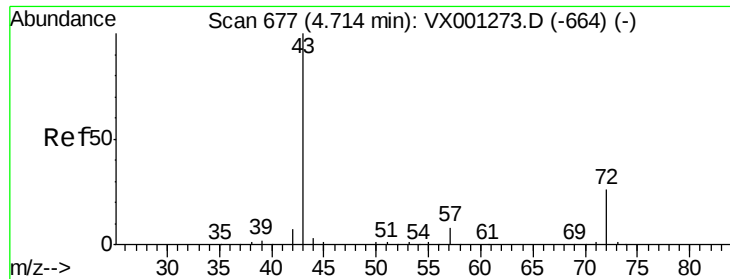
84 100

49 135.0 102.8 154.2

51 14.6 30.9 46.3#

86 54.8 53.0 79.4





#25

2-Butanone

Concen: 0.47 ug/l

RT: 4.74 min Scan# 681

Delta R.T. 0.02 min

Lab File: VX001407.D

Acq: 04 May 2018 19:53

Instrument :

MSVOA_X

ClientSampled :

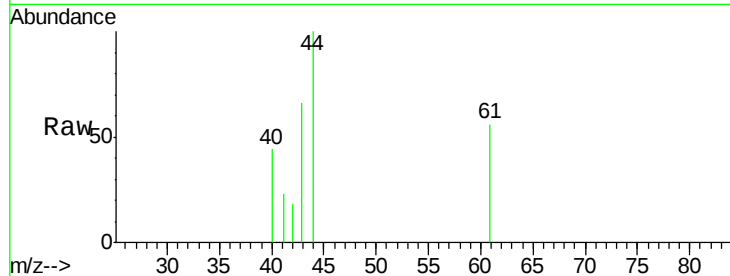
SB-9(7.5-8)

Tgt Ion: 43 Resp: 612

Ion Ratio Lower Upper

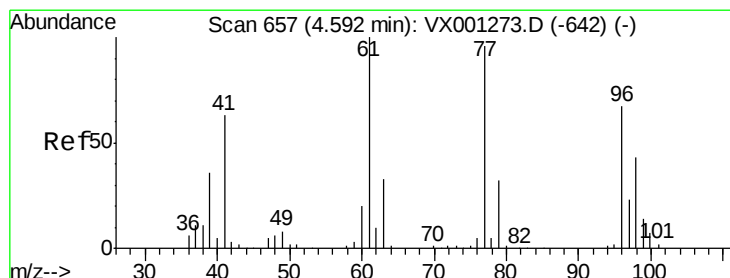
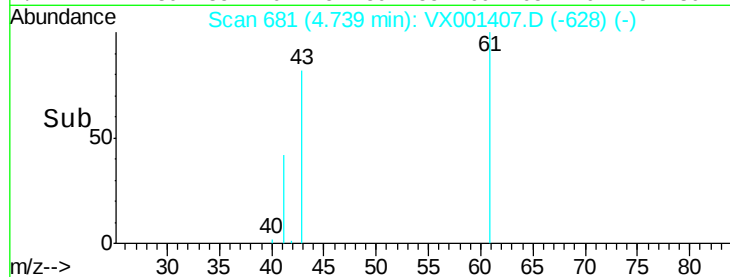
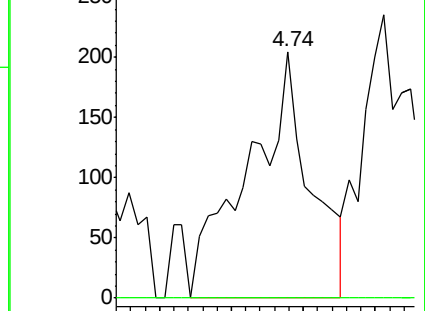
43 100

72 0.0 20.5 30.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 0.22 ug/l

RT: 4.82 min Scan# 694

Delta R.T. 0.23 min

Lab File: VX001407.D

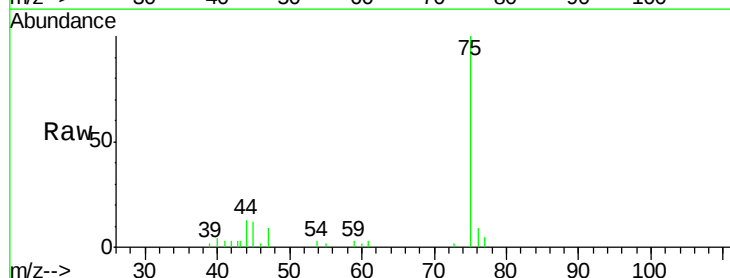
Acq: 04 May 2018 19:53

Tgt Ion: 77 Resp: 538

Ion Ratio Lower Upper

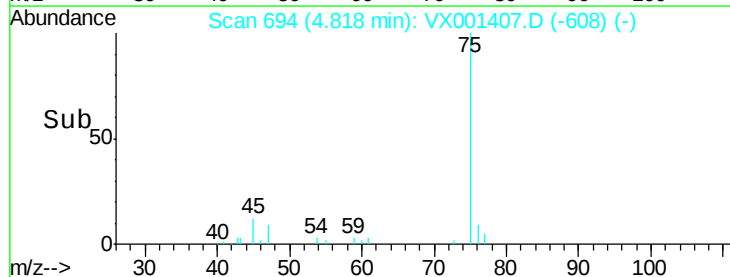
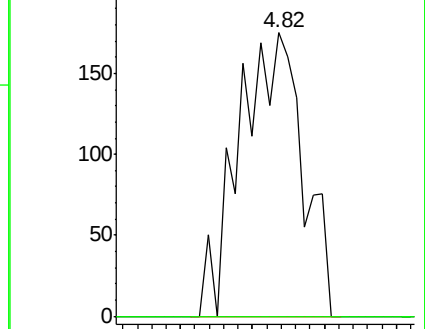
77 100

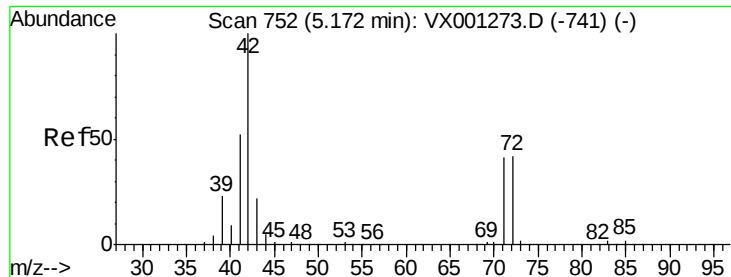
97 0.0 11.8 35.3#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#29

Tetrahydrofuran

Concen: 0.58 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX001407.D

Acq: 04 May 2018 19:53

Instrument :

MSVOA_X

ClientSampled :

SB-9(7.5-8)

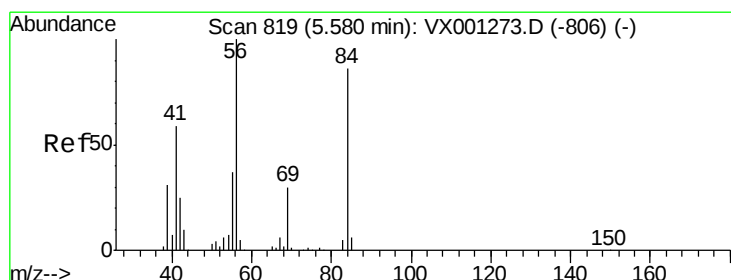
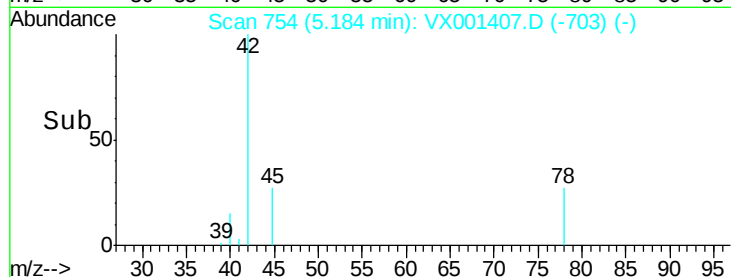
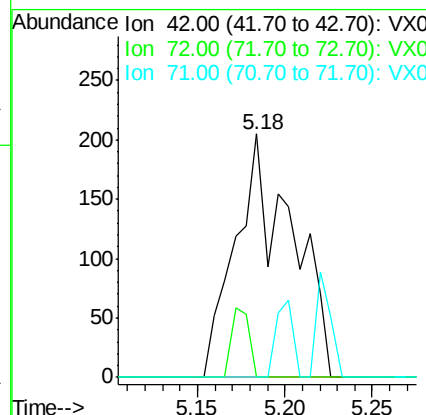
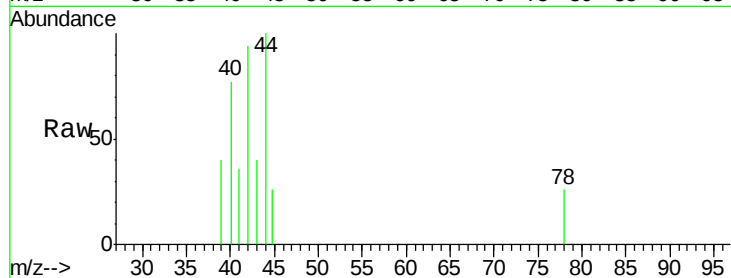
Tgt Ion: 42 Resp: 461

Ion Ratio Lower Upper

42 100

72 8.9 34.6 52.0#

71 0.0 32.7 49.1#



#31

Cyclohexane

Concen: 1.05 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.08 min

Lab File: VX001407.D

Acq: 04 May 2018 19:53

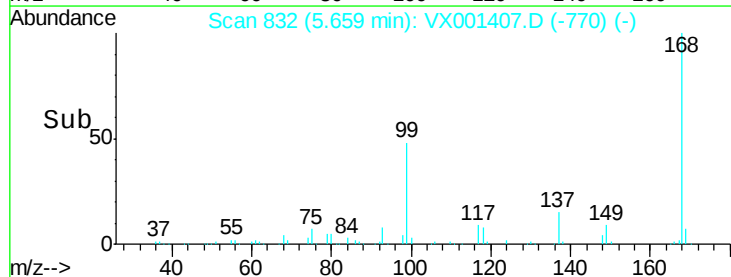
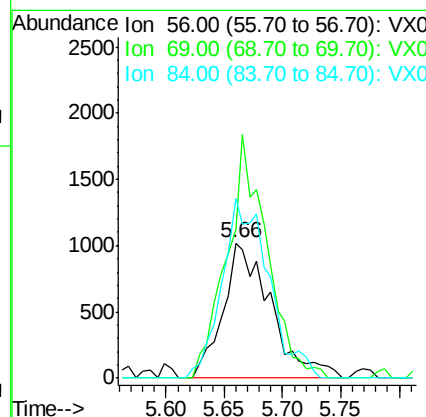
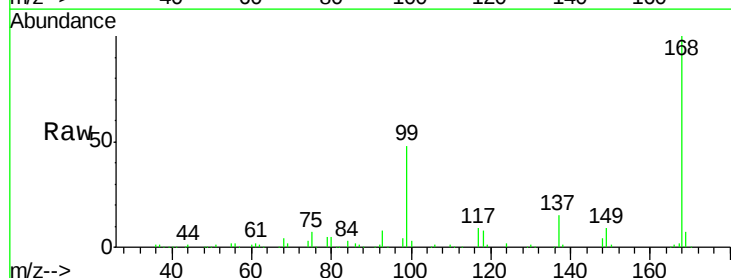
Tgt Ion: 56 Resp: 2907

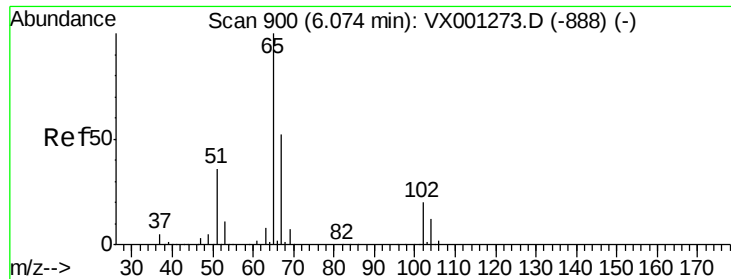
Ion Ratio Lower Upper

56 100

69 110.4 24.0 36.0#

84 133.3 69.0 103.4#

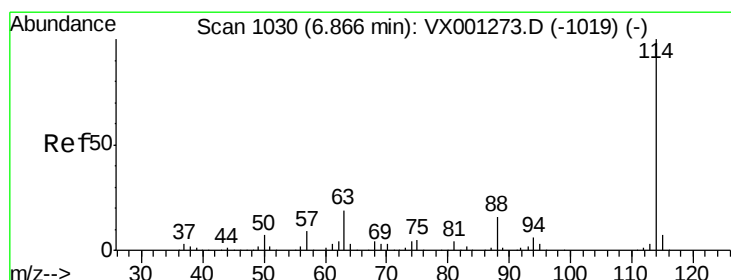
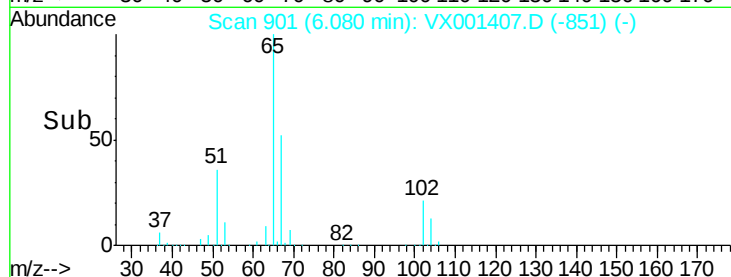
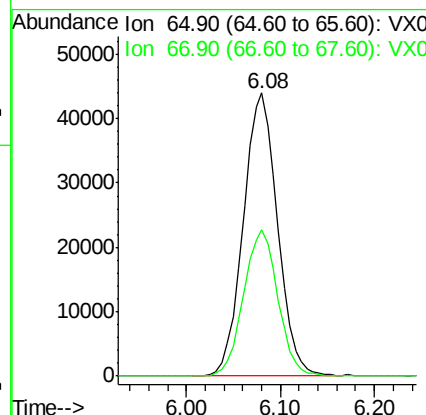
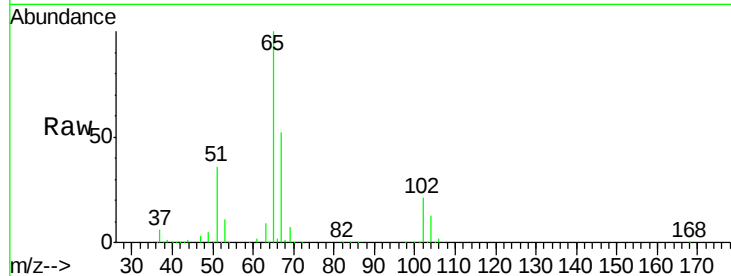




#33
 1,2-Dichloroethane-d4
 Concen: 49.47 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX001407.D
 Acq: 04 May 2018 19:53

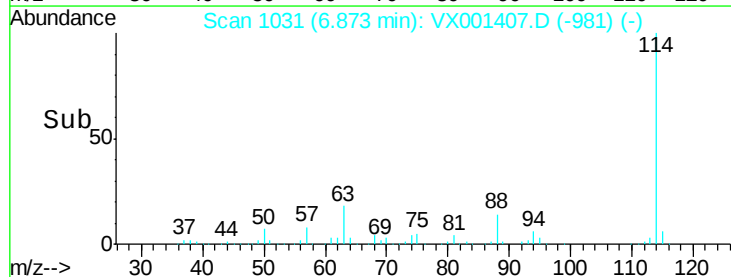
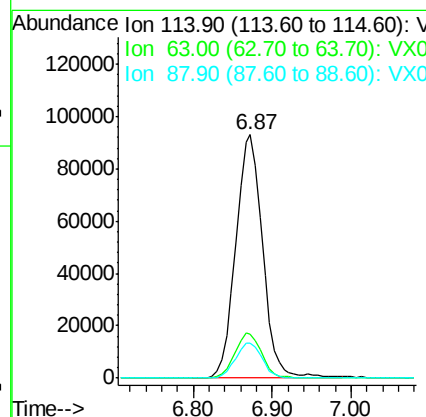
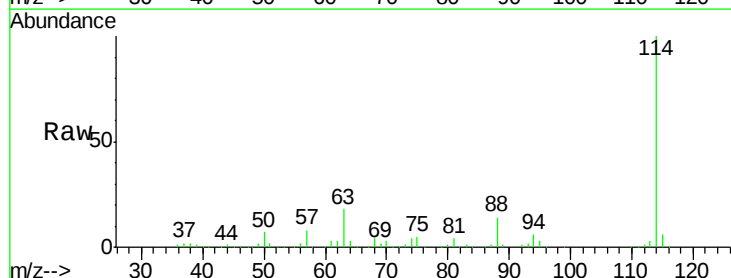
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-9(7.5-8)

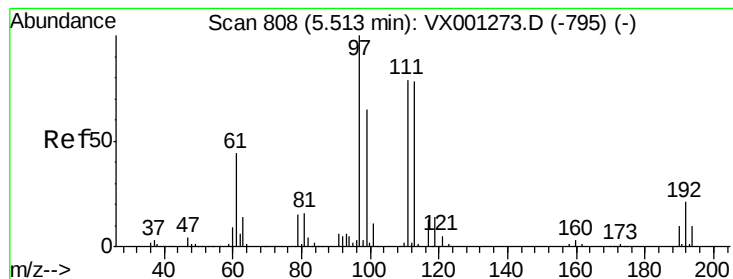
Tgt Ion: 65 Resp: 111612
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001407.D
 Acq: 04 May 2018 19:53

Tgt Ion: 114 Resp: 221418
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 38.8
 88 14.4 0.0 32.2





#35

Dibromofluoromethane

Concen: 48.70 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001407.D

Acq: 04 May 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

SB-9(7.5-8)

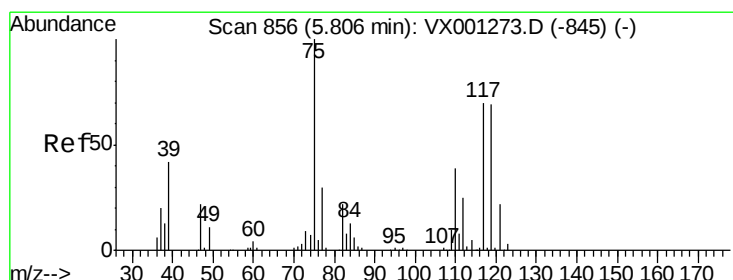
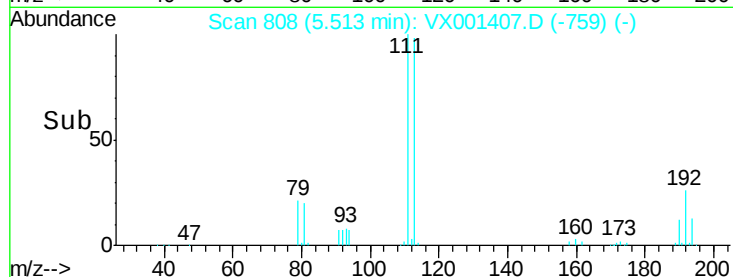
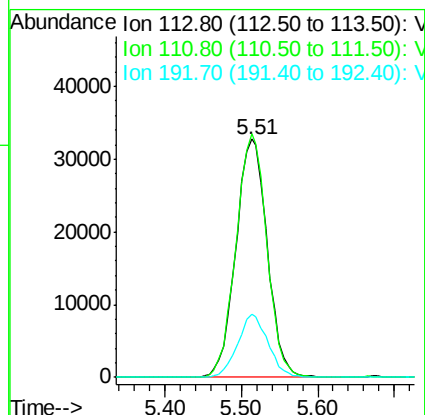
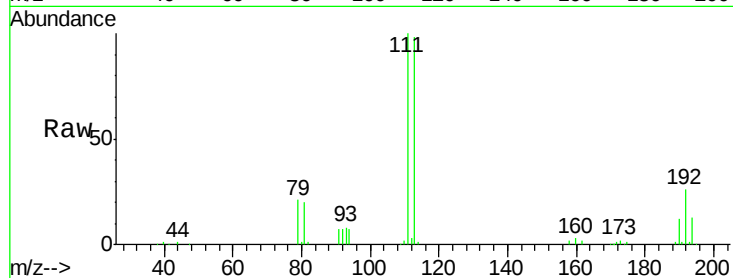
Tgt Ion:113 Resp: 92906

Ion Ratio Lower Upper

113 100

111 100.5 81.2 121.8

192 25.5 20.7 31.1



#36

1,1-Dichloropropene

Concen: 0.20 ug/l

RT: 5.81 min Scan# 856

Delta R.T. 0.00 min

Lab File: VX001407.D

Acq: 04 May 2018 19:53

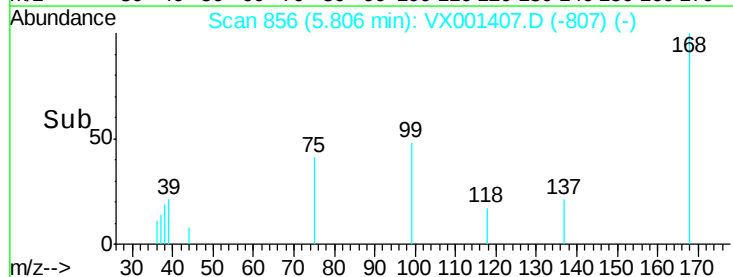
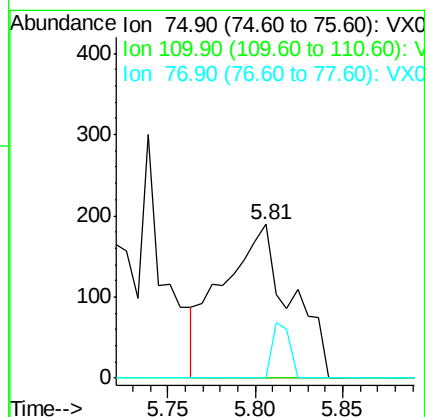
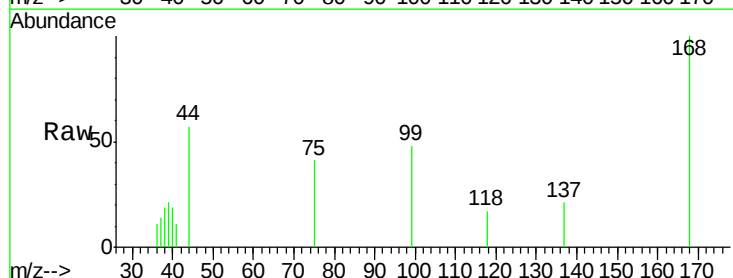
Tgt Ion: 75 Resp: 513

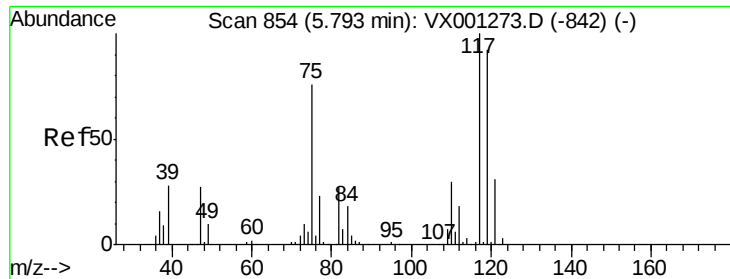
Ion Ratio Lower Upper

75 100

110 0.0 18.9 56.9#

77 9.2 24.2 36.2#

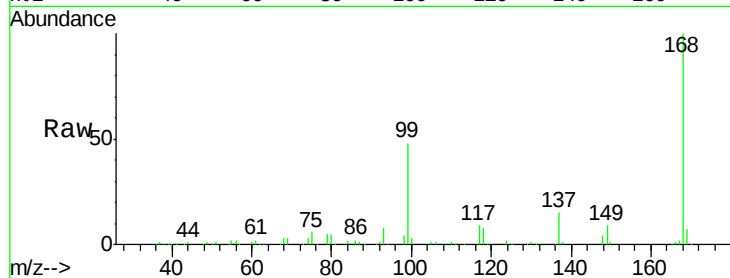




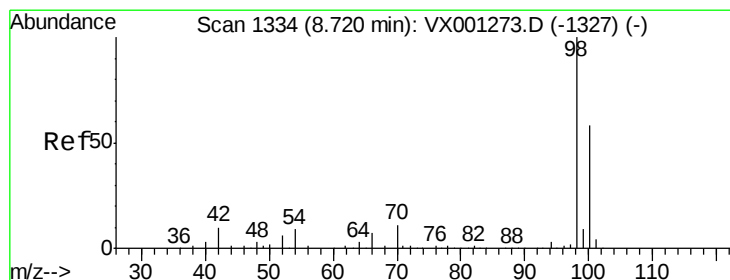
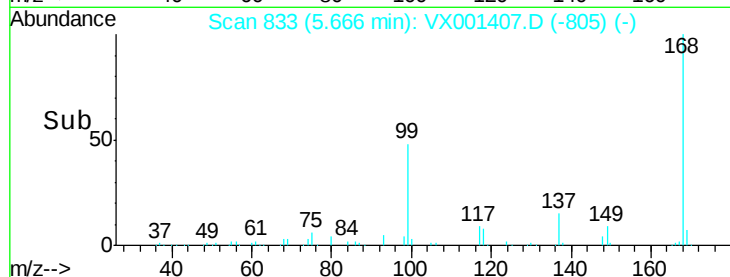
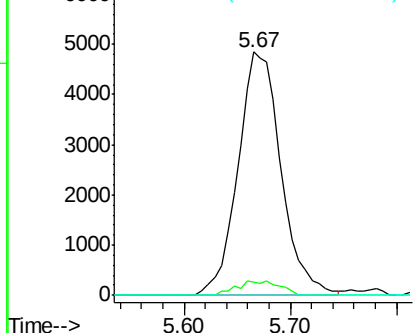
#38
Carbon Tetrachloride
Concen: 5.13 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.13 min
Lab File: VX001407.D
Acq: 04 May 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
SB-9(7.5-8)

Tgt Ion:117 Resp: 13746
Ion Ratio Lower Upper
117 100
119 5.5 73.4 110.2#
121 0.0 25.0 37.4#

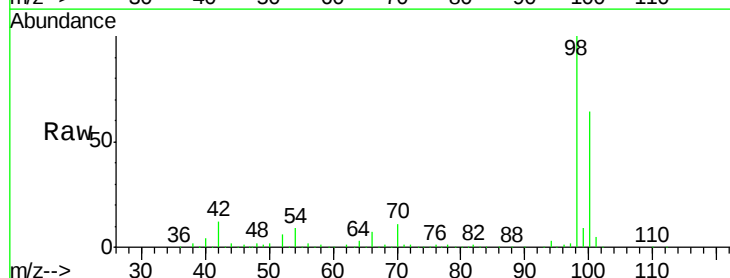


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

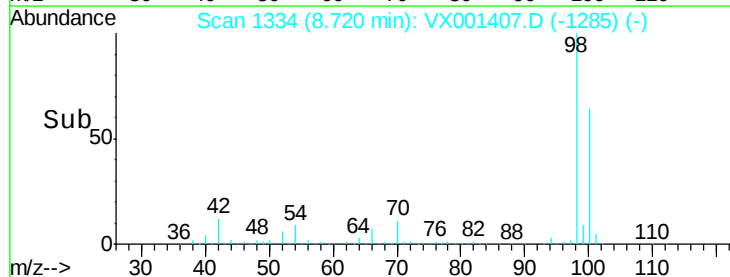
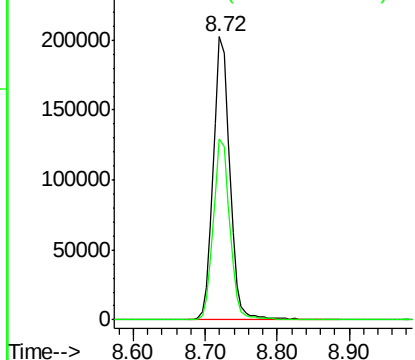


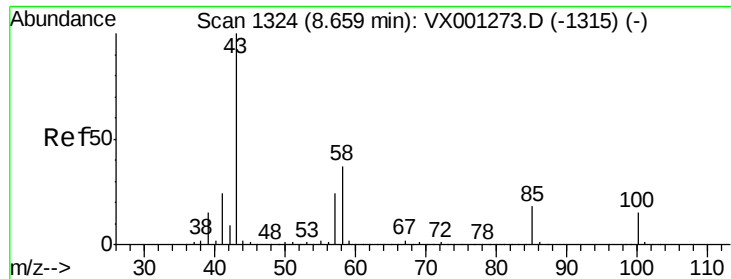
#50
Toluene-d8
Concen: 47.50 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001407.D
Acq: 04 May 2018 19:53

Tgt Ion: 98 Resp: 323742
Ion Ratio Lower Upper
98 100
100 63.7 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.20 ug/l

RT: 8.66 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VX001407.D

Acq: 04 May 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

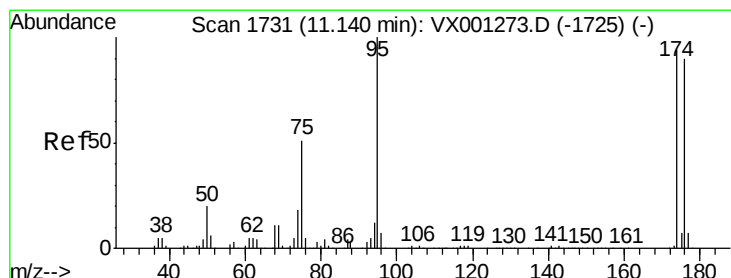
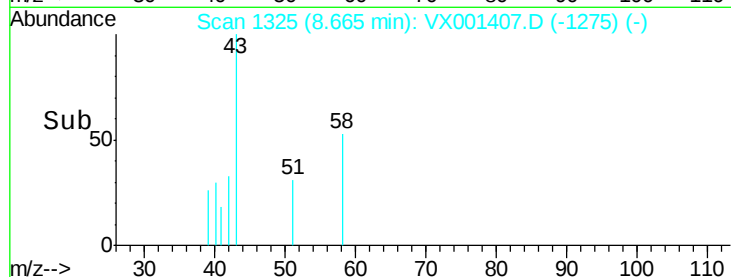
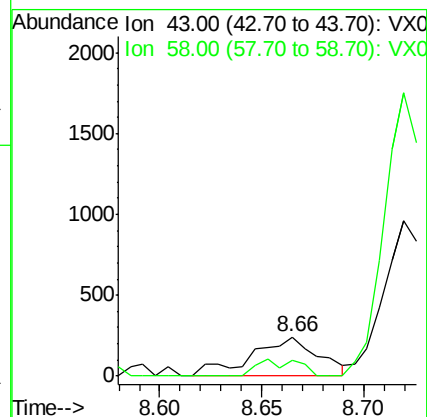
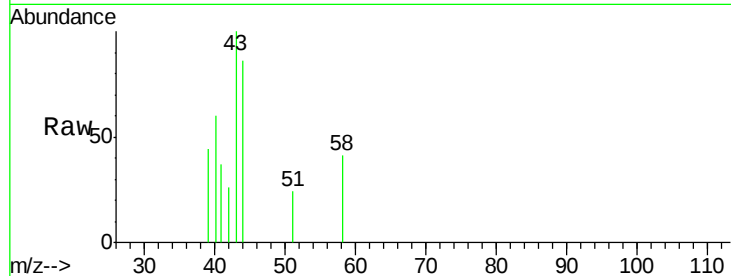
SB-9(7.5-8)

Tgt Ion: 43 Resp: 546

Ion Ratio Lower Upper

43 100

58 26.4 29.0 43.6#



#62

4-Bromofluorobenzene

Concen: 38.27 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VX001407.D

Acq: 04 May 2018 19:53

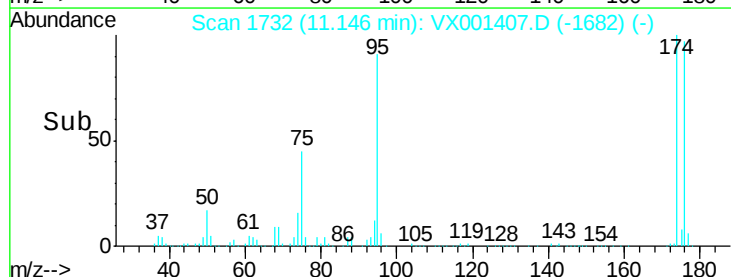
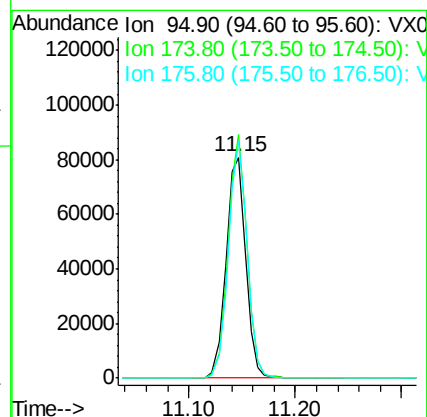
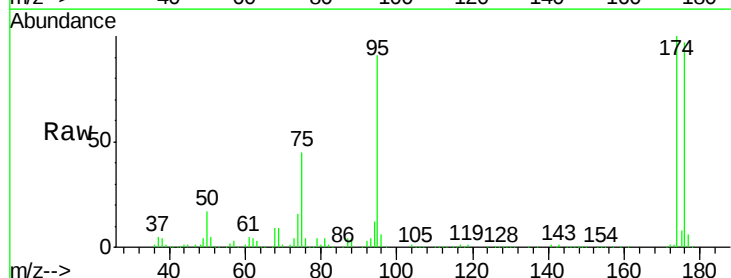
Tgt Ion: 95 Resp: 104313

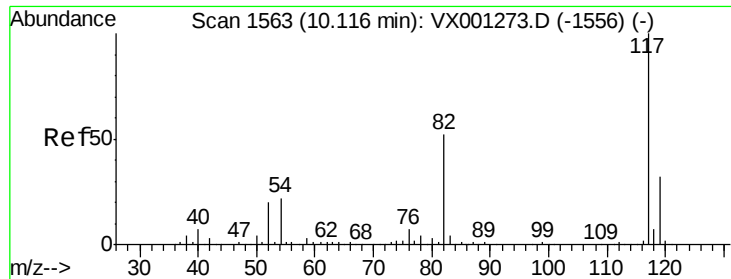
Ion Ratio Lower Upper

95 100

174 106.5 0.0 201.8

176 102.6 0.0 197.2

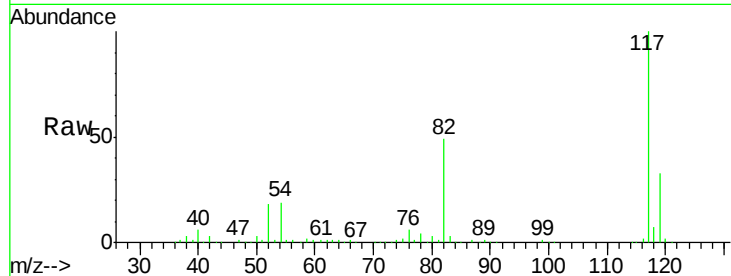




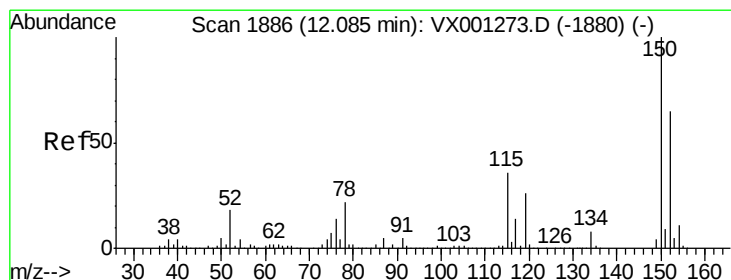
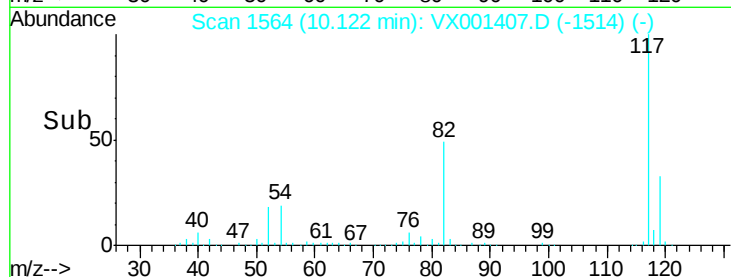
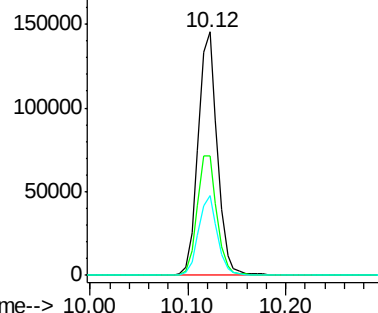
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001407.D
Acq: 04 May 2018 19:53

Instrument :
MSVOA_X
ClientSampled :
SB-9(7.5-8)

Tgt Ion:117 Resp: 197835
Ion Ratio Lower Upper
117 100
82 49.0 41.4 62.0
119 32.6 25.5 38.3

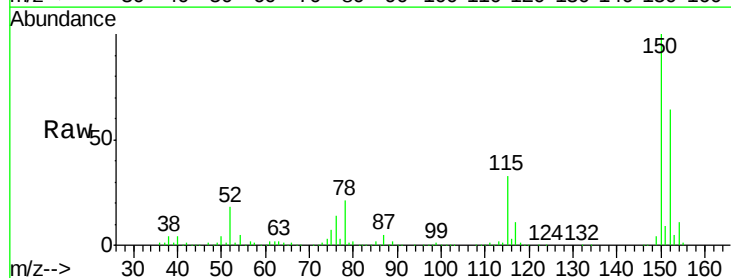


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

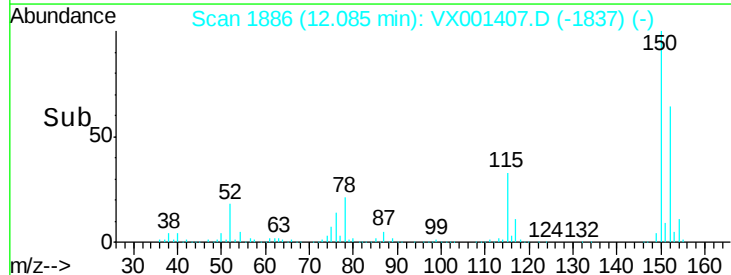
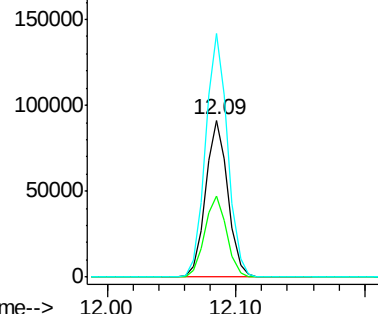


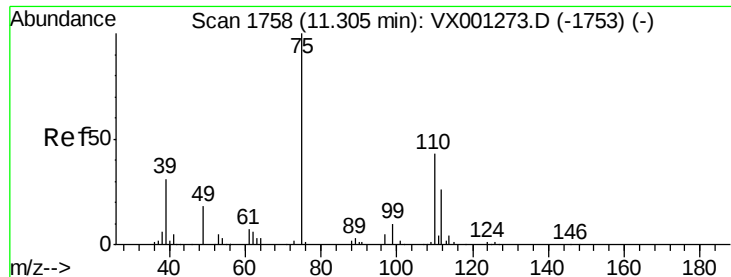
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001407.D
Acq: 04 May 2018 19:53

Tgt Ion:152 Resp: 109502
Ion Ratio Lower Upper
152 100
115 51.7 38.6 115.7
150 155.4 0.0 349.2



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





#76

1,2,3-Trichloropropane

Concen: 26.09 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX001407.D

Acq: 04 May 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

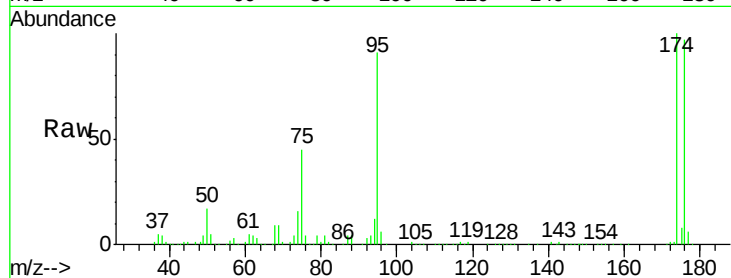
SB-9(7.5-8)

Tgt Ion: 75 Resp: 52835

Ion Ratio Lower Upper

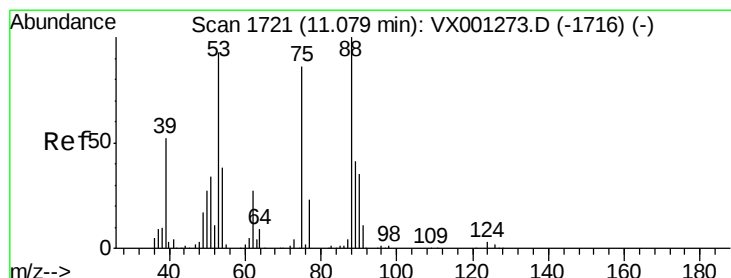
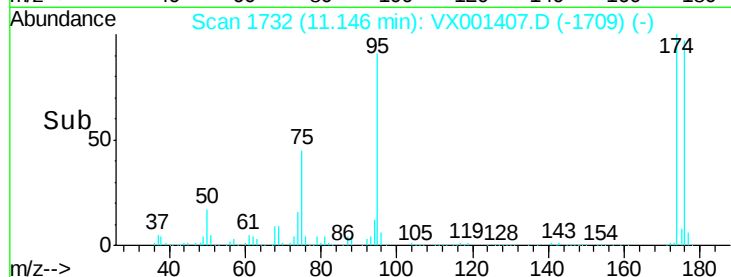
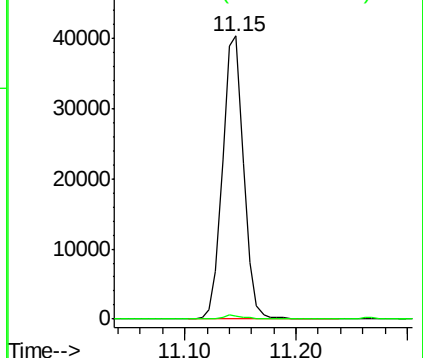
75 100

77 1.3 18.9 56.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 81.90 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.07 min

Lab File: VX001407.D

Acq: 04 May 2018 19:53

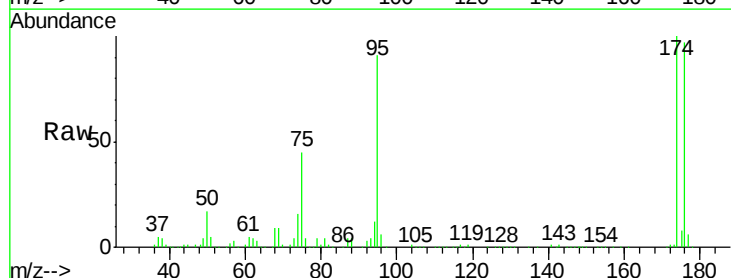
Tgt Ion: 75 Resp: 52835

Ion Ratio Lower Upper

75 100

53 0.1 87.1 130.7#

89 0.1 38.9 58.3#



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

