

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040119\
 Data File : VX008582.D
 Acq On : 01 Apr 2019 20:26
 Operator : JC/SP
 Sample : K2210-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WE-9

Quant Time: Apr 02 01:15:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	219844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	365757	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	307992	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	122784	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	153925	46.18	ug/l	0.00
Spiked Amount			Recovery	=	92.36%	
35) Dibromofluoromethane	5.50	113	112681	47.25	ug/l	0.00
Spiked Amount			Recovery	=	94.50%	
50) Toluene-d8	8.71	98	456745	47.90	ug/l	0.00
Spiked Amount			Recovery	=	95.80%	
62) 4-Bromofluorobenzene	11.13	95	149812	42.39	ug/l	0.00
Spiked Amount			Recovery	=	84.78%	

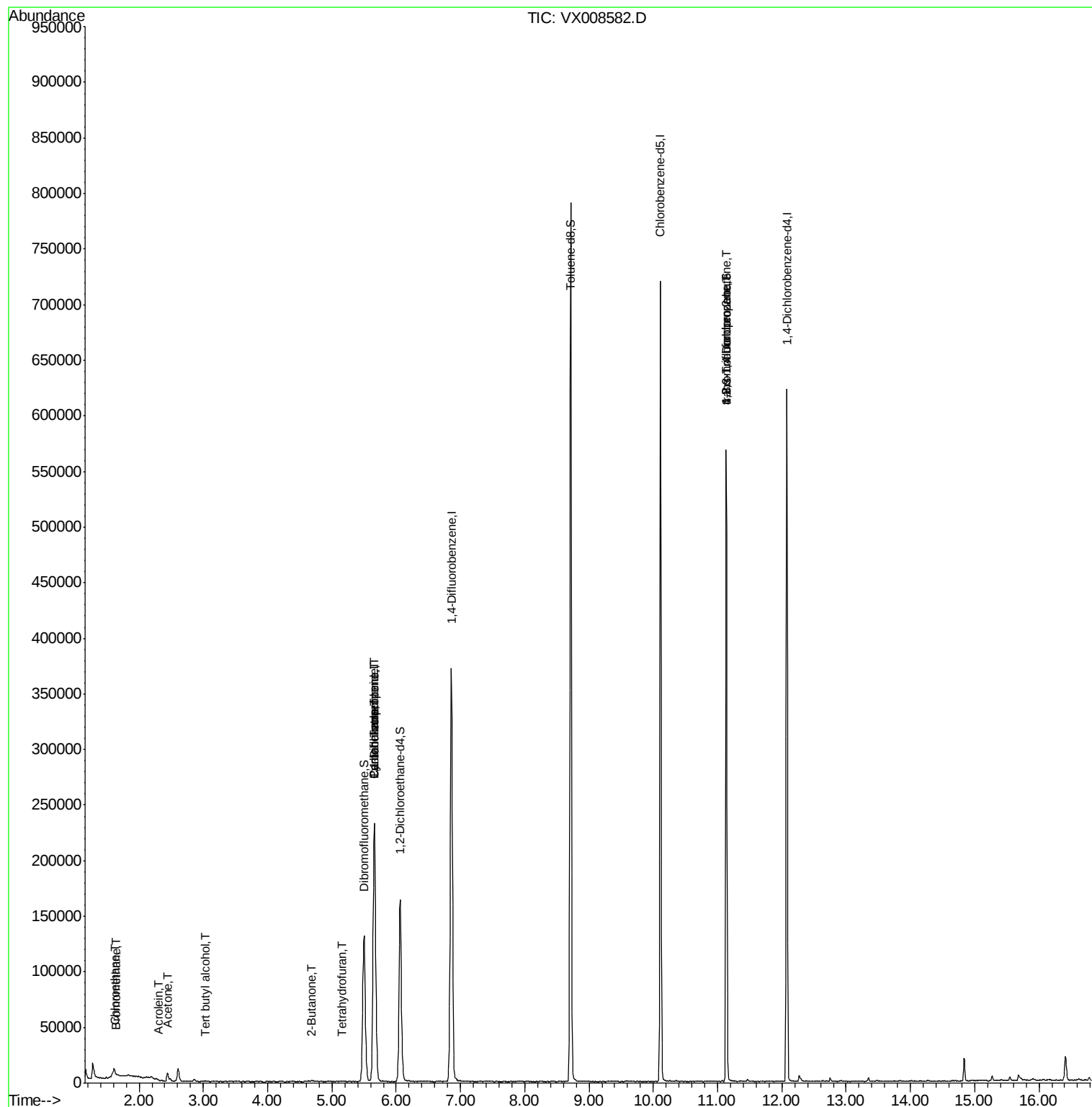
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	393	Below Cal	#	1
5) Bromomethane	1.65	94	467	2.045	ug/l #	55
6) Chloroethane	1.63	64	6223	2.903	ug/l #	50
11) Tert butyl alcohol	3.03	59	770	1.043	ug/l #	69
13) Acrolein	2.29	56	260	0.485	ug/l	87
16) Acetone	2.44	43	8298	4.764	ug/l	98
17) Carbon Disulfide	2.57	76	1126	Below Cal	#	92
20) Methylene Chloride	2.85	84	808	Below Cal		95
21) trans-1,2-Dichloroethene	3.23	96	22	Below Cal	#	1
25) 2-Butanone	4.69	43	1383	0.495	ug/l #	82
29) Tetrahydrofuran	5.16	42	735	0.399	ug/l	91
31) Cyclohexane	5.65	56	5261	0.985	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	18628	4.777	ug/l #	51
38) Carbon Tetrachloride	5.67	117	21639	6.649	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	76425	20.937	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	76425	67.058	ug/l #	9

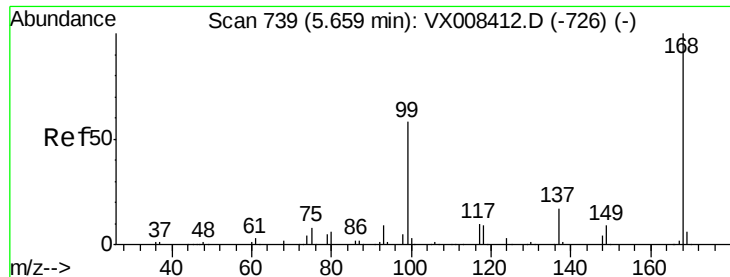
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008582.D

Acq: 01 Apr 2019 20:26

Instrument :

MSVOA_X

ClientSampled :

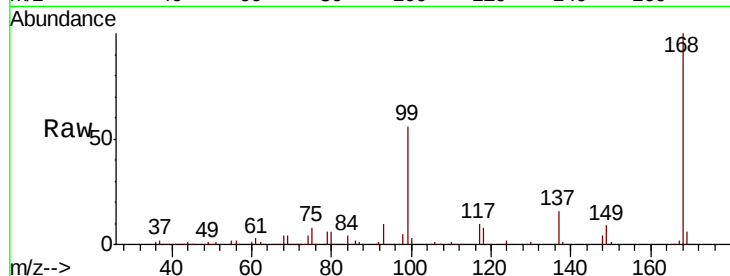
WE-9

Tot Ion:168 Resp: 219844

Ion Ratio Lower Upper

168 100

99 56.0 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

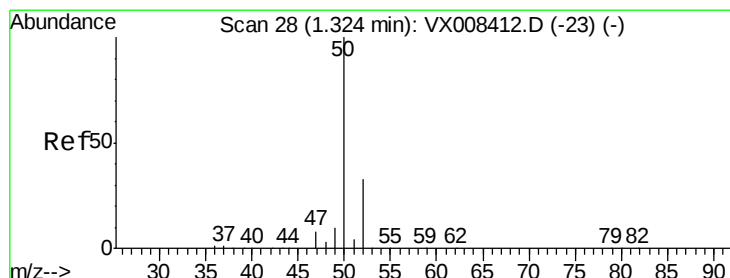
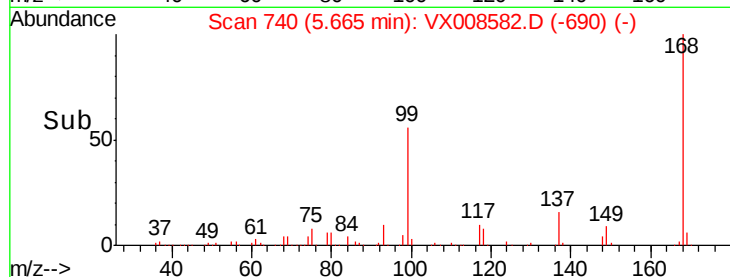
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008582.D

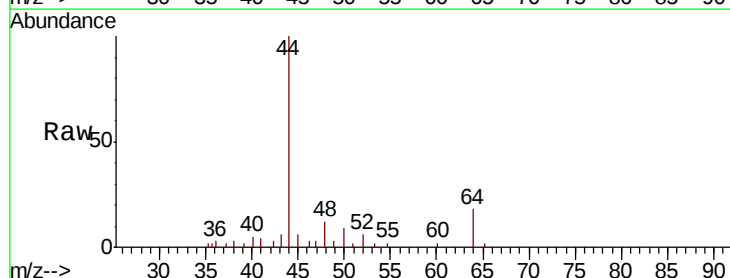
Acq: 01 Apr 2019 20:26

Tgt Ion: 50 Resp: 393

Ion Ratio Lower Upper

50 100

52 90.3 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

300

250

200

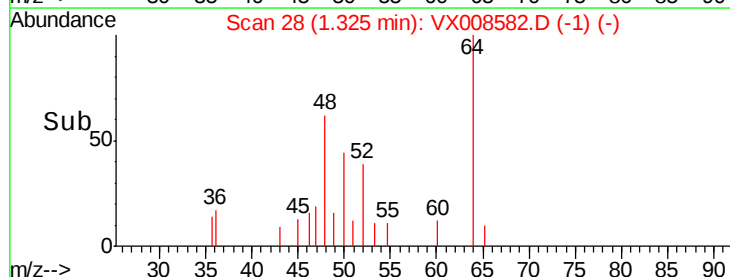
150

100

50

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 2.045 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008582.D

Acq: 01 Apr 2019 20:26

Instrument :

MSVOA_X

ClientSampled :

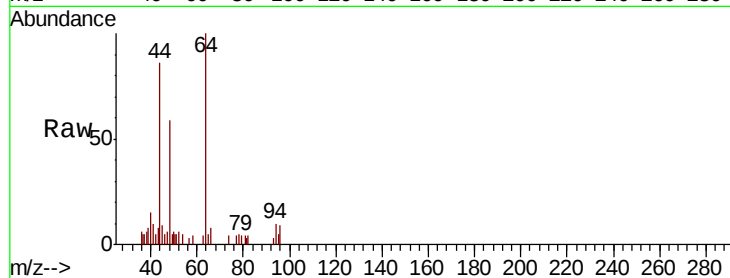
WE-9

Tot Ion: 94 Resp: 467

Ion Ratio Lower Upper

94 100

96 49.7 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

150

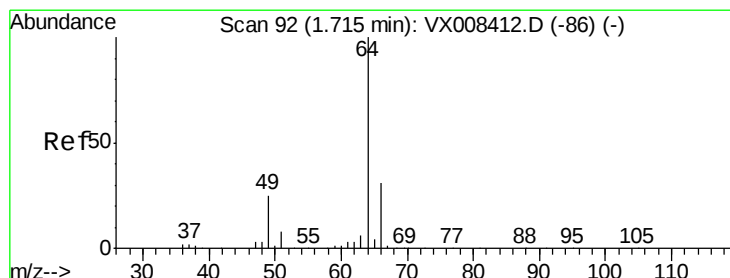
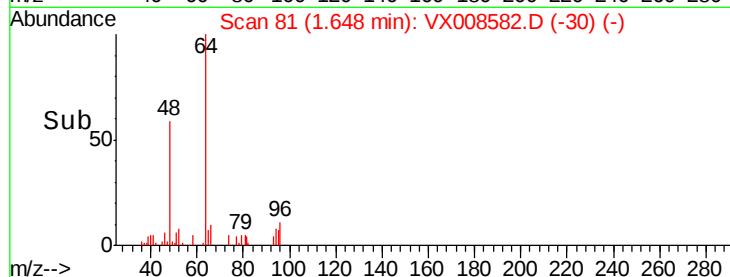
100

50

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 2.903 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.09 min

Lab File: VX008582.D

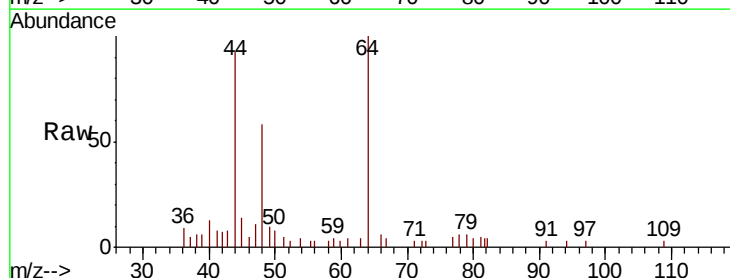
Acq: 01 Apr 2019 20:26

Tgt Ion: 64 Resp: 6223

Ion Ratio Lower Upper

64 100

66 3.7 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

2000

1500

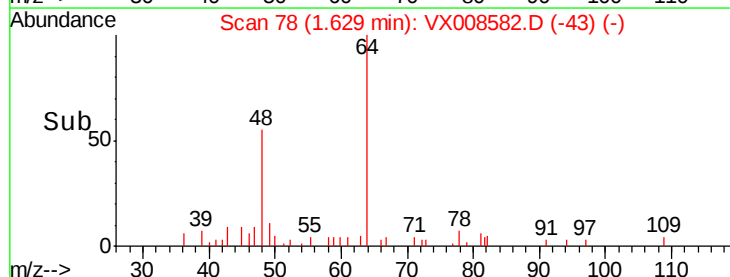
1000

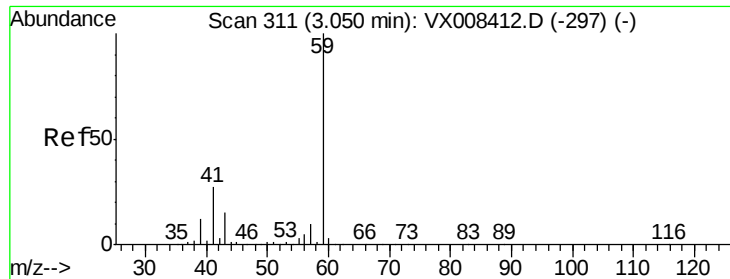
500

0

1.45 1.50 1.55 1.60 1.65

Time-->

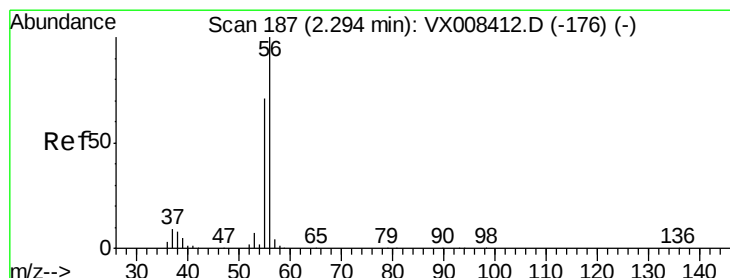
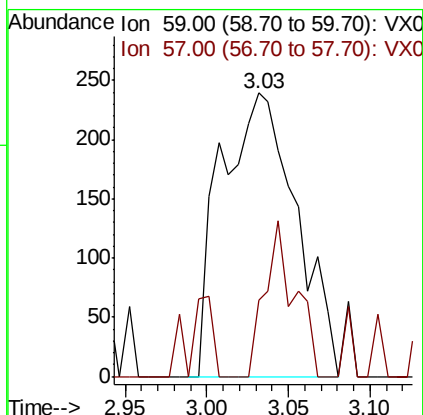
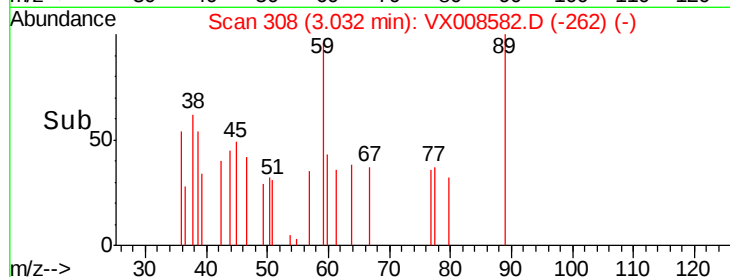
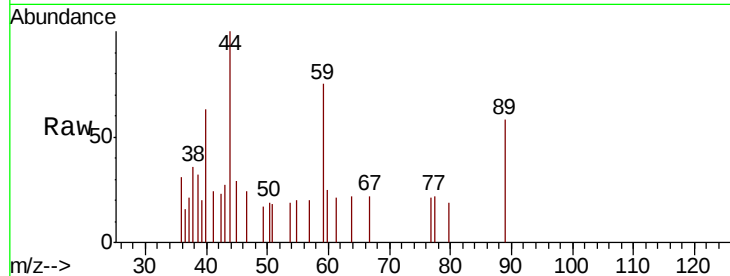




#11
Tert butvl alcohol
Concen: 1.043 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX008582.D
Acq: 01 Apr 2019 20:26

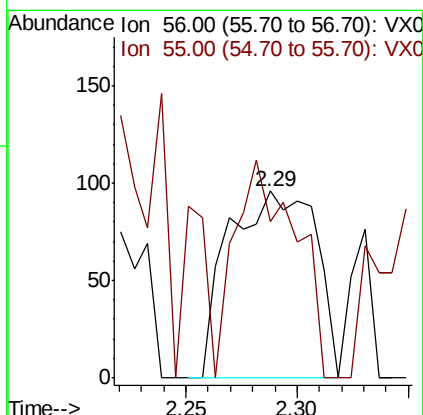
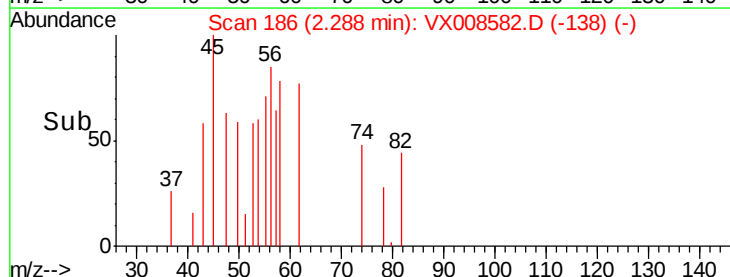
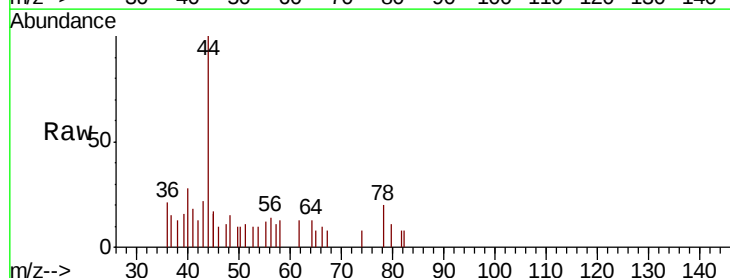
Instrument :
MSVOA_X
ClientSampled :
WE-9

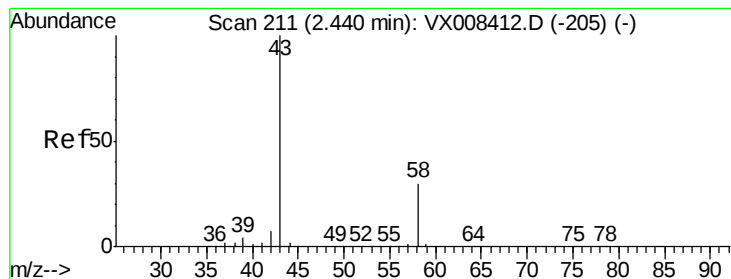
Tot Ion: 59 Resp: 770
Ion Ratio Lower Upper
59 100
57 21.9 8.2 12.4#



#13
Acrolein
Concen: 0.485 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX008582.D
Acq: 01 Apr 2019 20:26

Tgt Ion: 56 Resp: 260
Ion Ratio Lower Upper
56 100
55 81.5 56.5 84.7





#16

Acetone

Concen: 4.764 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX008582.D

Acq: 01 Apr 2019 20:26

Instrument :

MSVOA_X

ClientSampled :

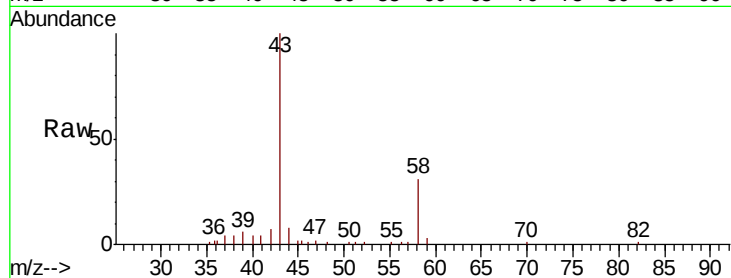
WE-9

Tot Ion: 43 Resp: 8298

Ion Ratio Lower Upper

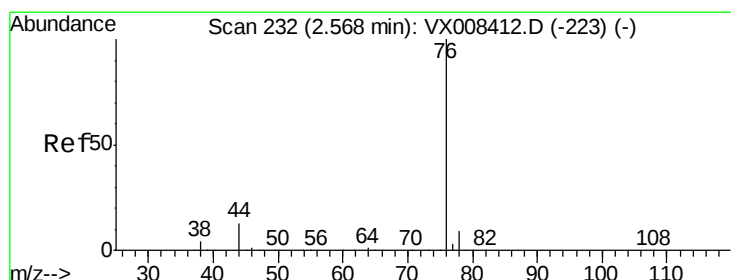
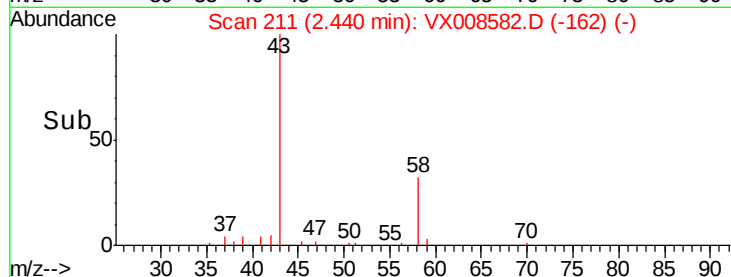
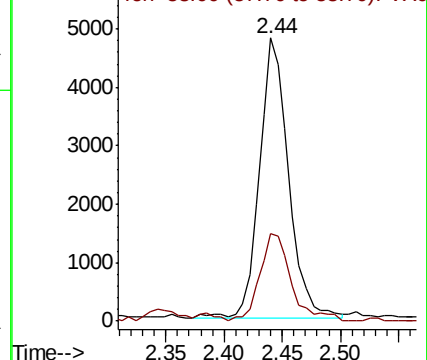
43 100

58 31.5 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008582.D

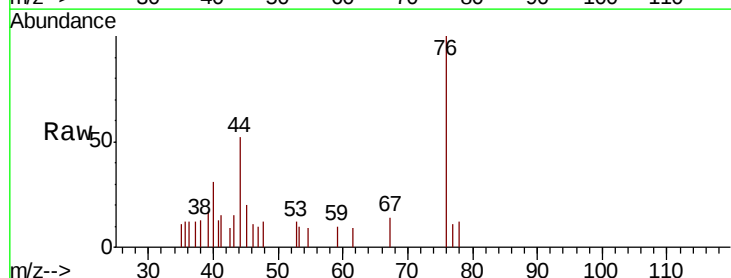
Acq: 01 Apr 2019 20:26

Tgt Ion: 76 Resp: 1126

Ion Ratio Lower Upper

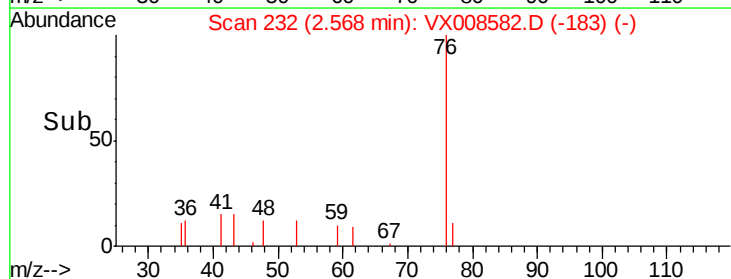
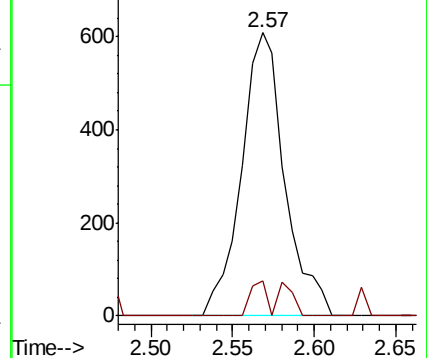
76 100

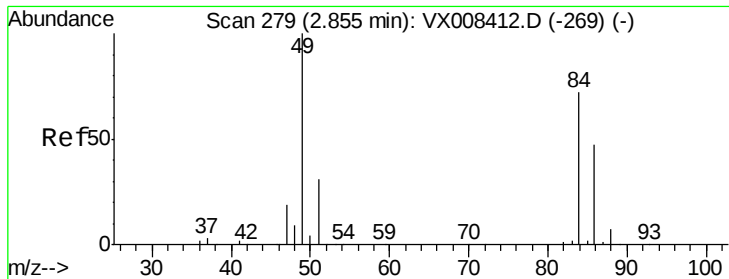
78 12.3 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#20

Methvlene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX008582.D

Acq: 01 Apr 2019 20:26

Instrument :

MSVOA_X

ClientSampleId :

WE-9

Tot Ion: 84 Resp: 808

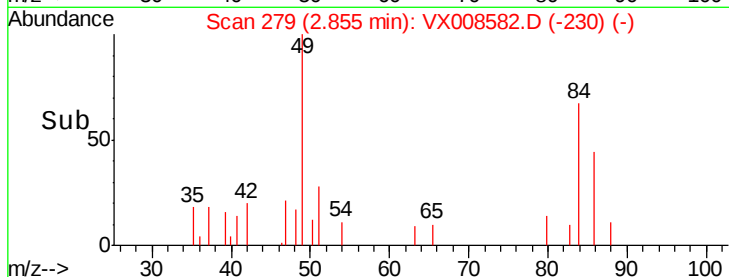
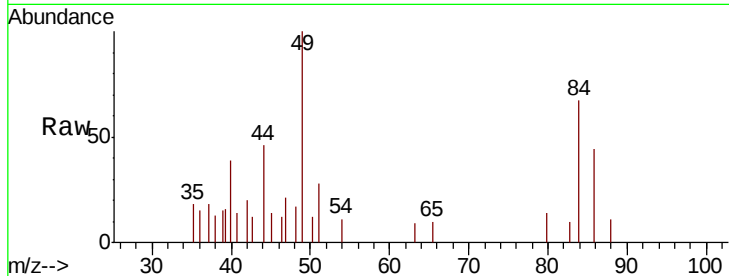
Ion Ratio Lower Upper

84 100

49 148.6 110.6 165.8

51 41.3 33.9 50.9

86 66.0 52.2 78.2

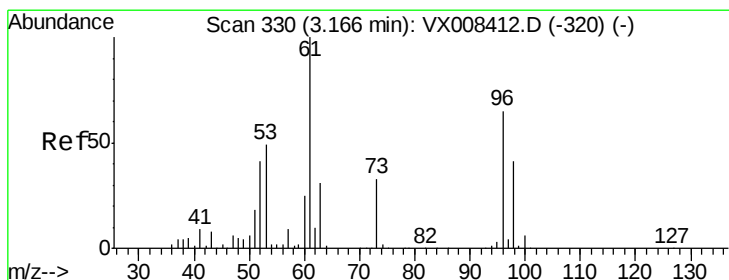
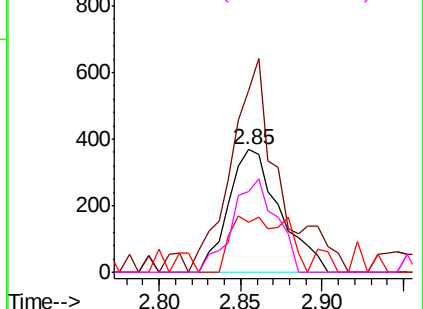


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 3.23 min Scan# 340

Delta R.T. 0.06 min

Lab File: VX008582.D

Acq: 01 Apr 2019 20:26

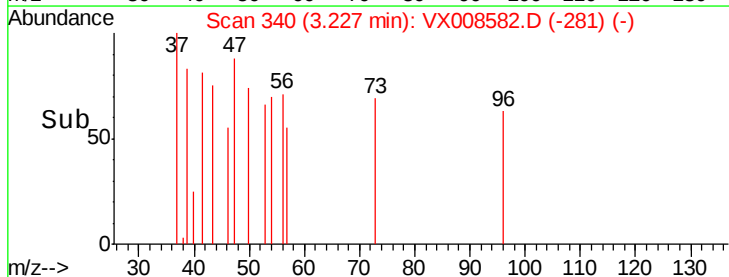
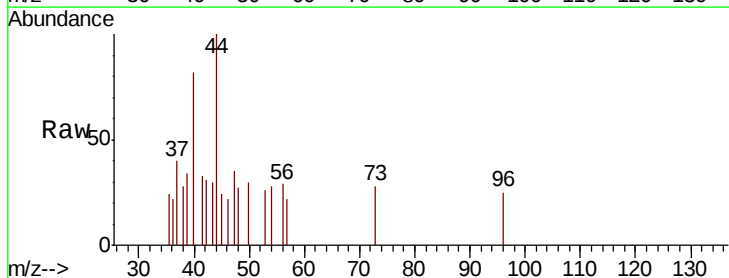
Tgt Ion: 96 Resp: 22

Ion Ratio Lower Upper

96 100

61 0.0 122.6 184.0#

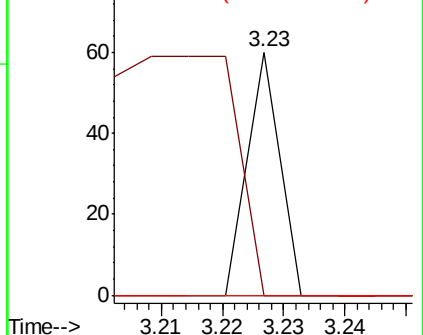
98 0.0 50.9 76.3#

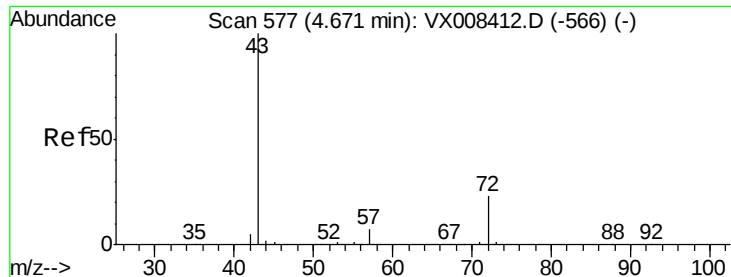


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#25

2-Butanone

Concen: 0.495 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.02 min

Lab File: VX008582.D

Acq: 01 Apr 2019 20:26

Instrument :

MSVOA_X

ClientSampled :

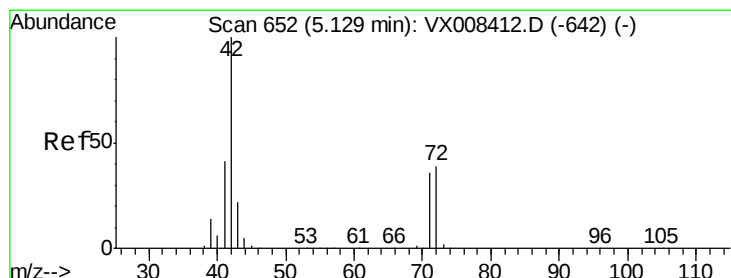
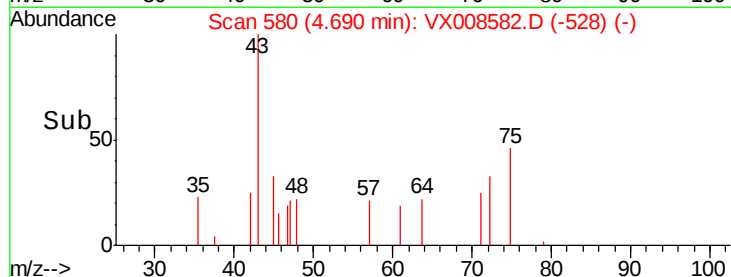
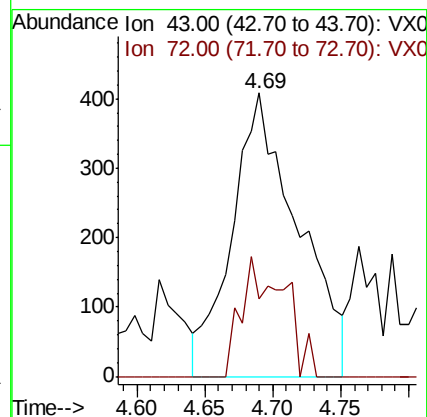
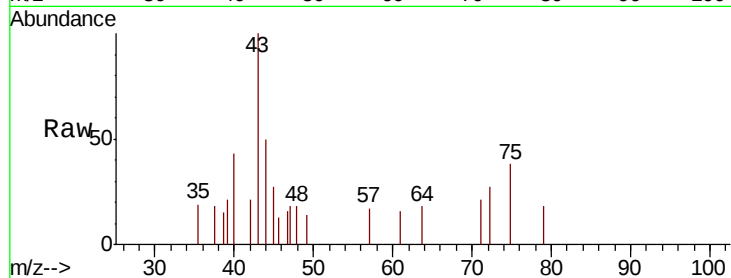
WE-9

Tot Ion: 43 Resp: 1383

Ion Ratio Lower Upper

43 100

72 32.1 18.6 28.0#



#29

Tetrahydrofuran

Concen: 0.399 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.03 min

Lab File: VX008582.D

Acq: 01 Apr 2019 20:26

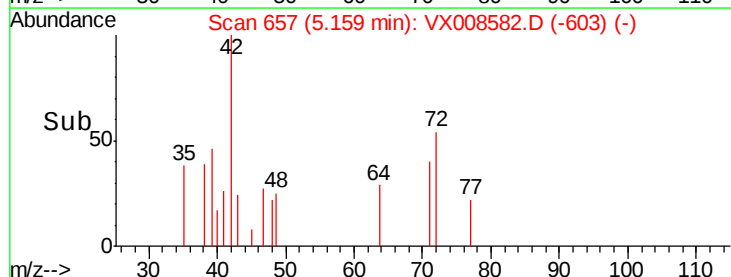
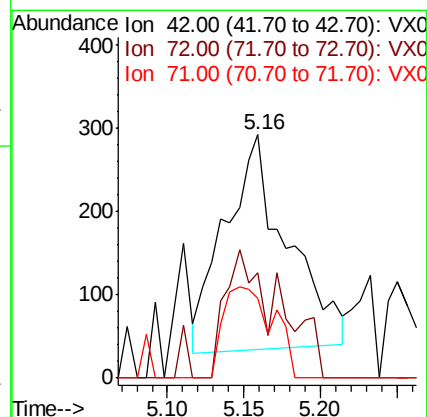
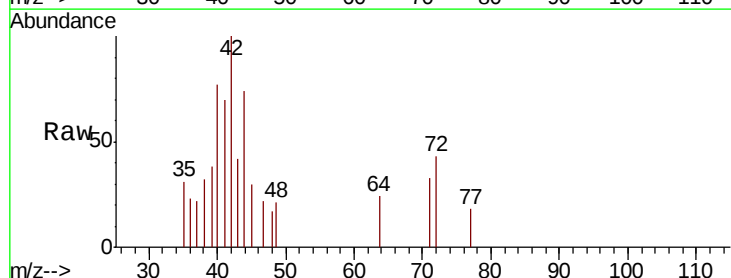
Tgt Ion: 42 Resp: 735

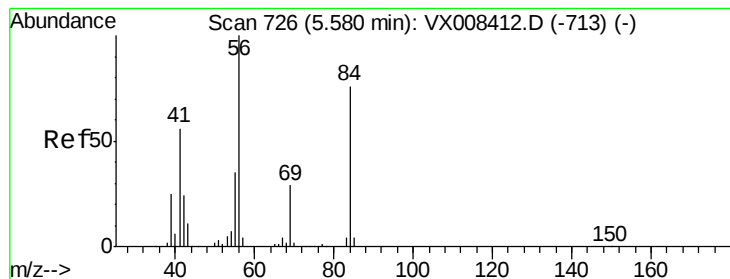
Ion Ratio Lower Upper

42 100

72 32.2 31.4 47.2

71 33.6 29.4 44.2





#31

Cyclohexane

Concen: 0.985 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX008582.D

Acq: 01 Apr 2019 20:26

Instrument :

MSVOA_X

ClientSampleId :

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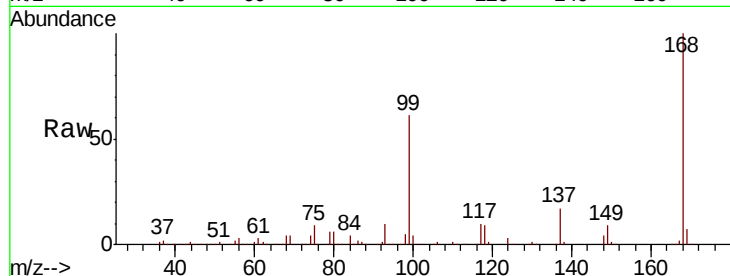
Tot Ion: 56 Resp: 5261

Ion Ratio Lower Upper

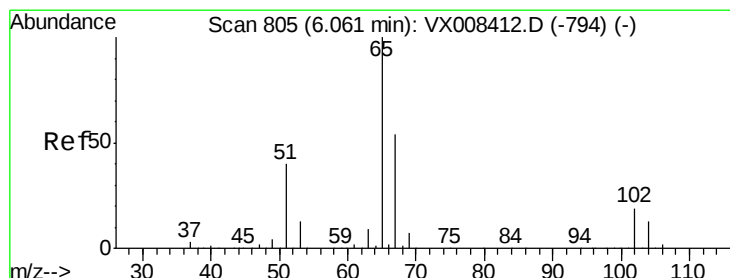
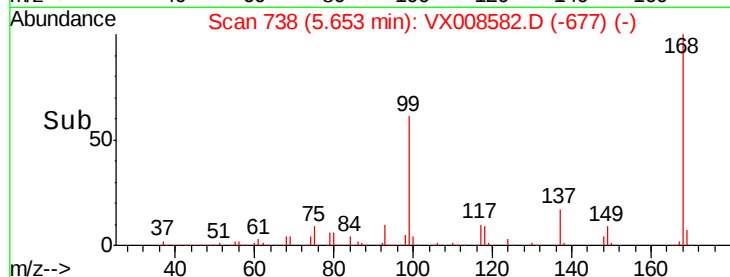
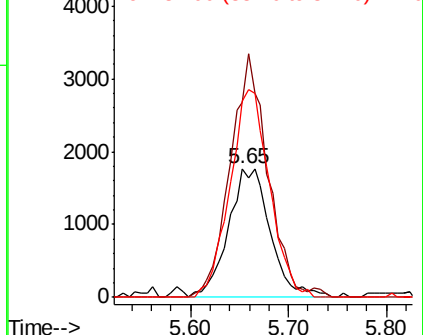
56 100

69 151.6 23.2 34.8#

84 152.6 60.7 91.1#



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: 46.184 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008582.D

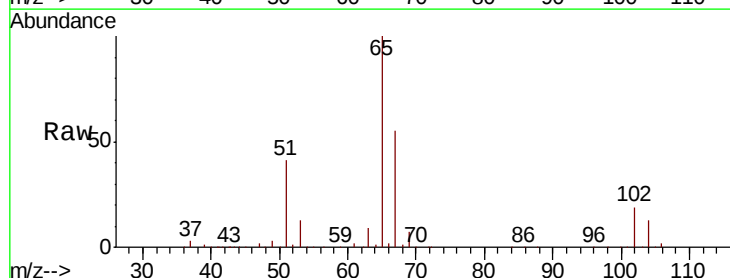
Acq: 01 Apr 2019 20:26

Tgt Ion: 65 Resp: 153925

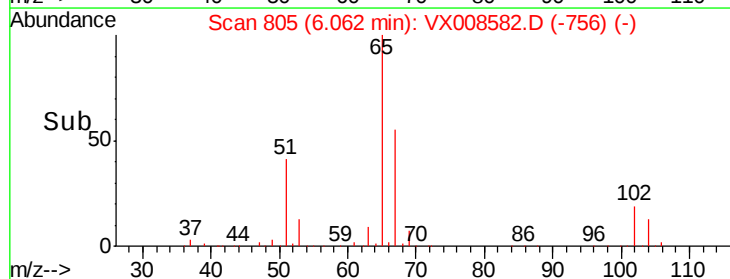
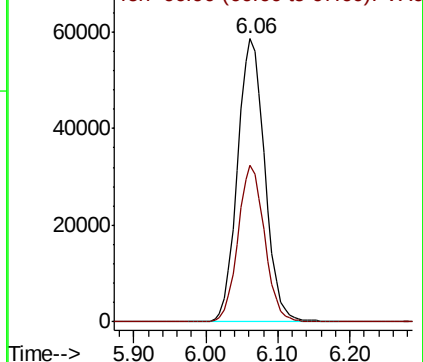
Ion Ratio Lower Upper

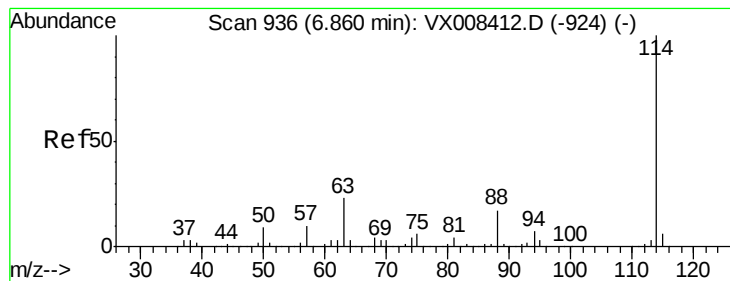
65 100

67 54.1 0.0 109.4



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: VX008582.D

Acq: 01 Apr 2019 20:26

Instrument :

MSVOA_X

ClientSampleId :

WE-9

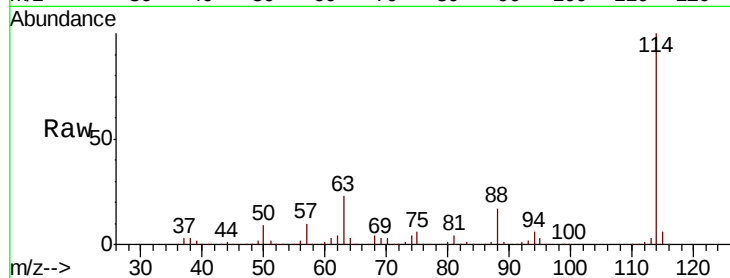
Tot Ion:114 Resp: 365757

Ion Ratio Lower Upper

114 100

63 23.4 0.0 46.4

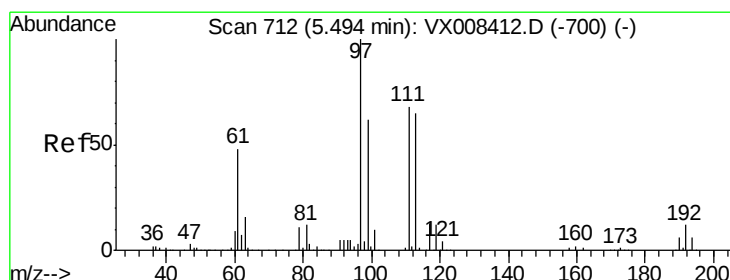
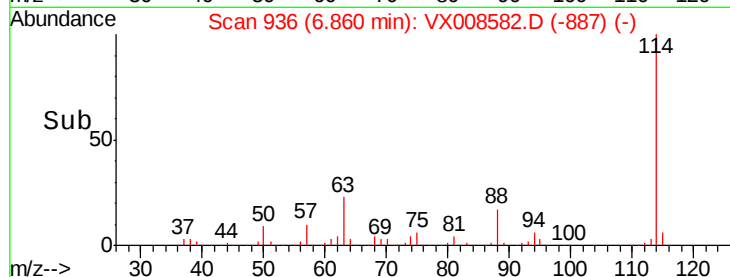
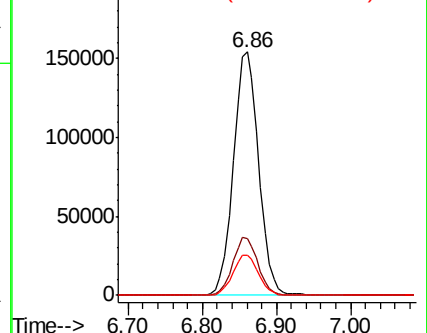
88 16.6 0.0 33.2



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: 47.248 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX008582.D

Acq: 01 Apr 2019 20:26

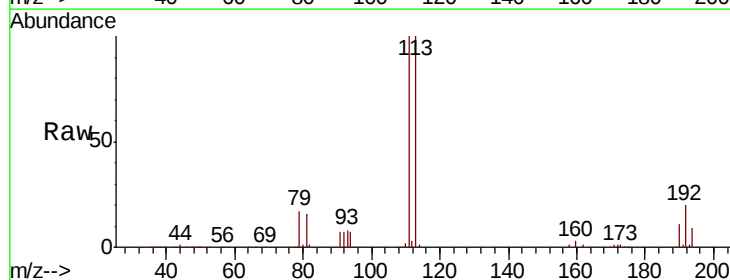
Tgt Ion:113 Resp: 112681

Ion Ratio Lower Upper

113 100

111 102.2 83.0 124.4

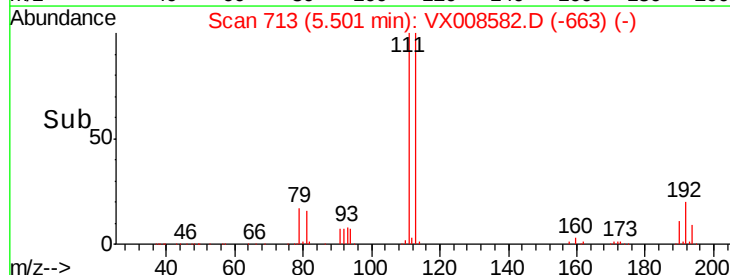
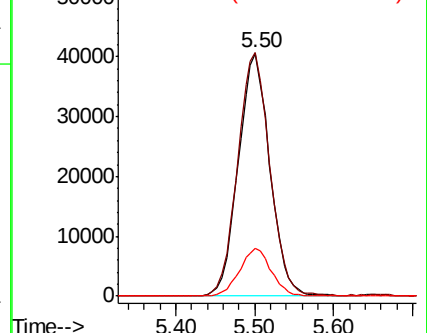
192 19.8 15.6 23.4

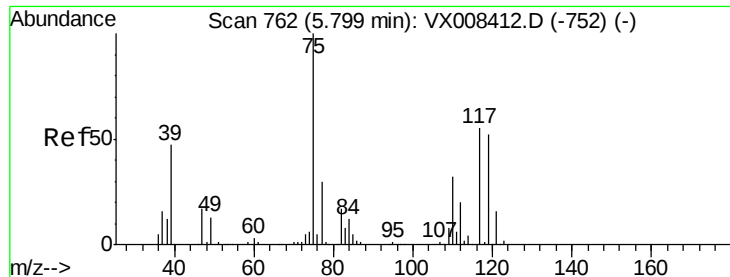


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

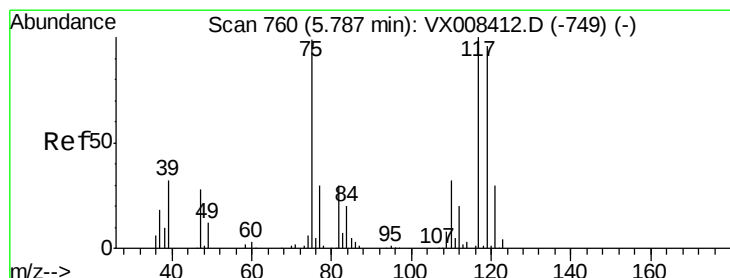
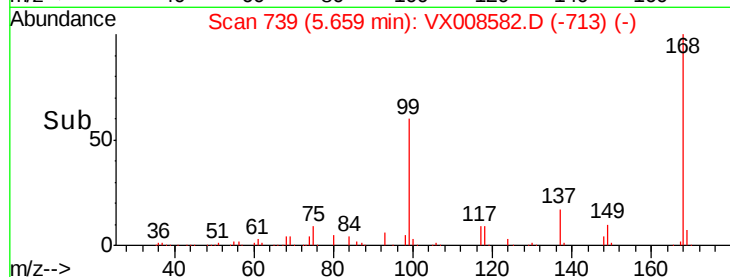
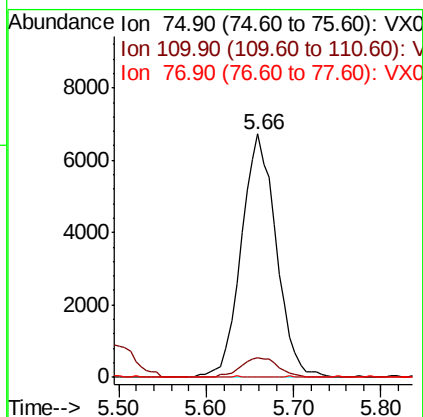
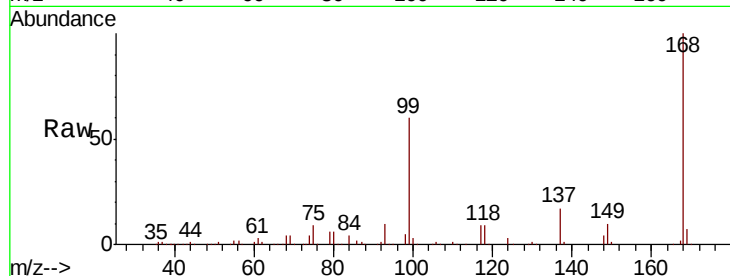




#36
 1,1-Dichloropropene
 Concen: 4.777 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008582.D
 Acq: 01 Apr 2019 20:26

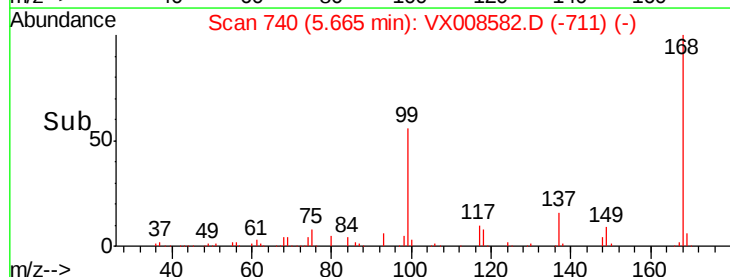
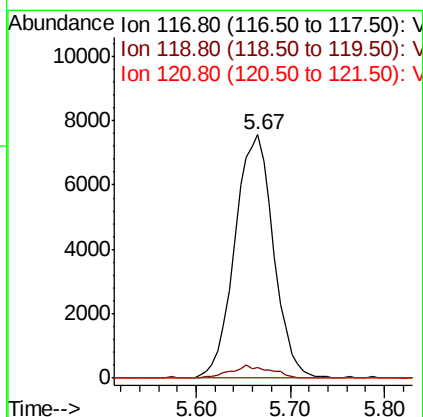
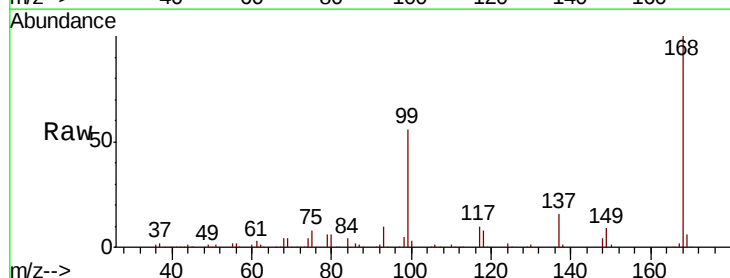
Instrument :
 MSVOA_X
 ClientSampleId :
 WE-9

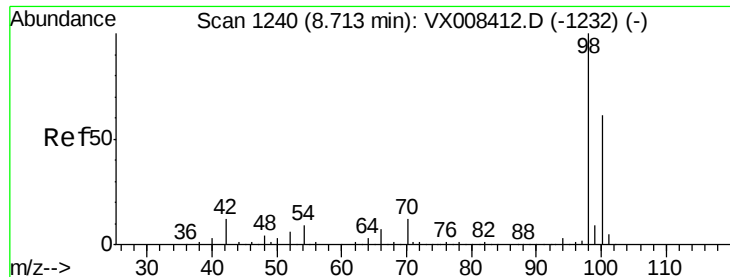
Tot Ion: 75 Resp: 18628
 Ion Ratio Lower Upper
 75 100
 110 8.8 16.6 49.7#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.649 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX008582.D
 Acq: 01 Apr 2019 20:26

Tgt Ion: 117 Resp: 21639
 Ion Ratio Lower Upper
 117 100
 119 4.3 76.7 115.1#
 121 0.0 24.3 36.5#

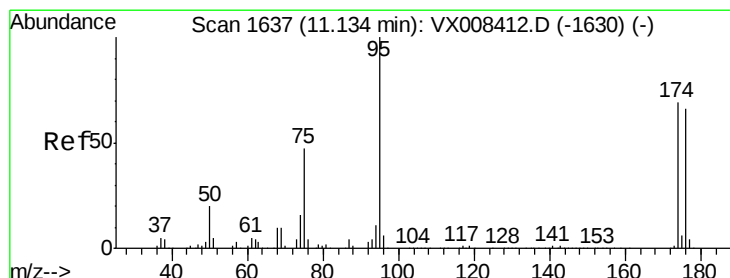
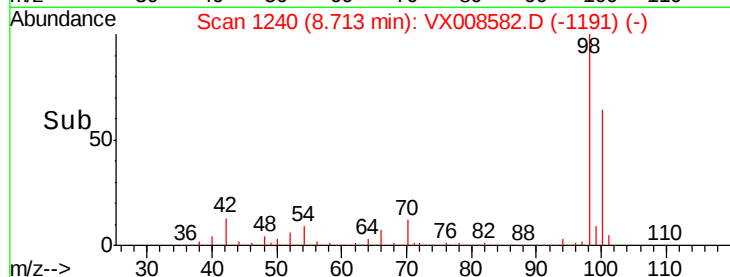
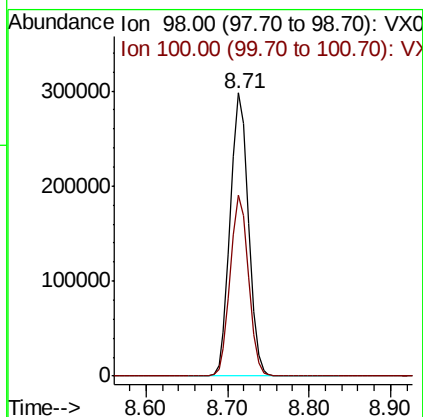
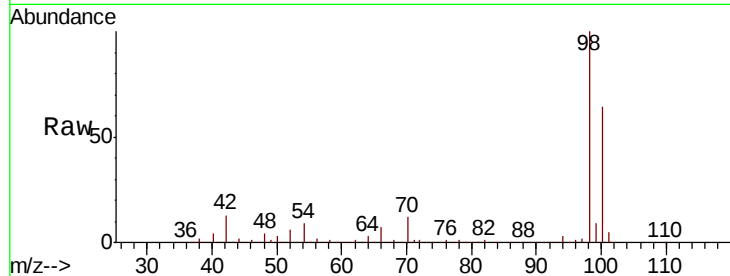




#50
Toluene-d8
Concen: 47.896 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008582.D
Acq: 01 Apr 2019 20:26

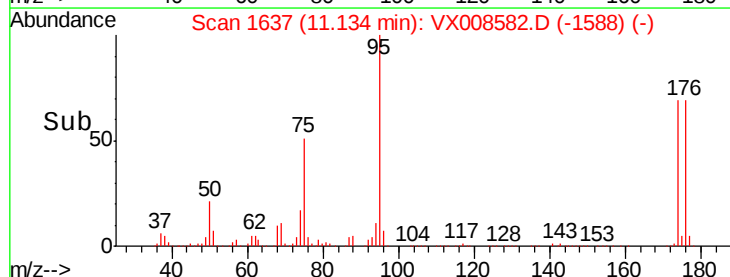
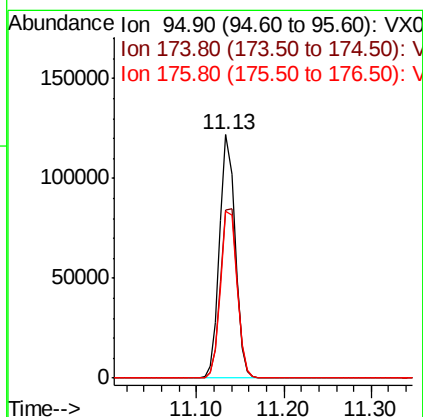
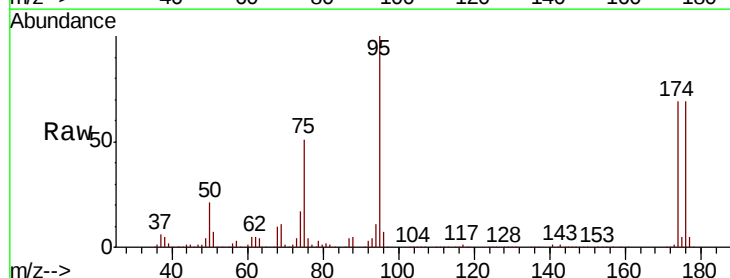
Instrument :
MSVOA_X
ClientSampleId :
WE-9

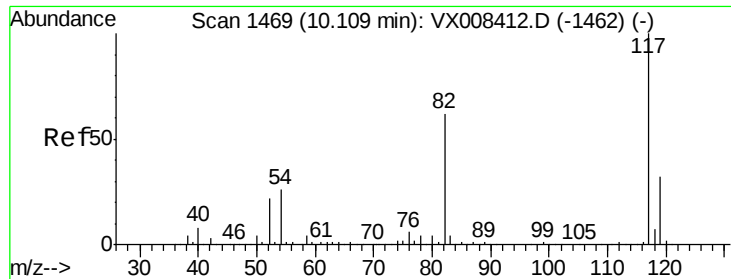
Tot Ion: 98 Resp: 456745
Ion Ratio Lower Upper
98 100
100 64.0 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 42.394 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008582.D
Acq: 01 Apr 2019 20:26

Tgt Ion: 95 Resp: 149812
Ion Ratio Lower Upper
95 100
174 74.5 0.0 147.2
176 72.5 0.0 142.4

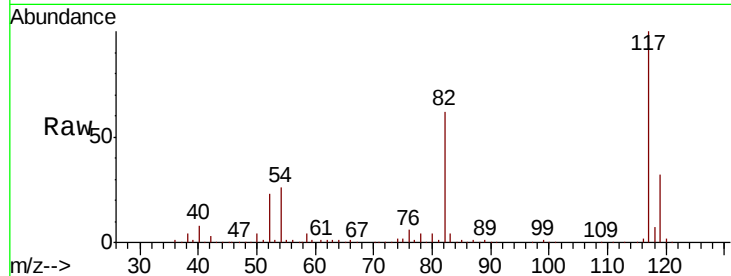




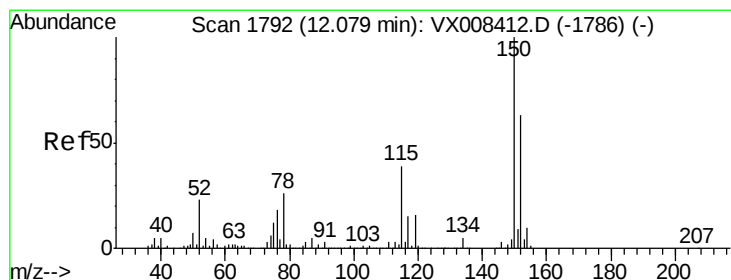
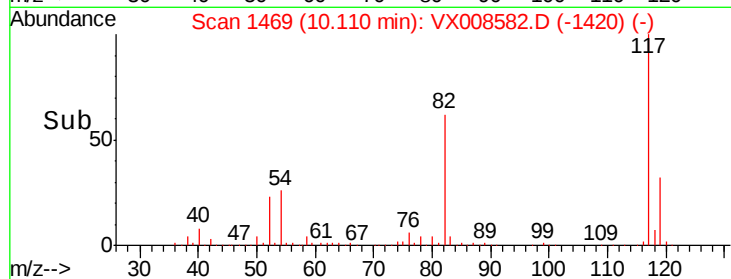
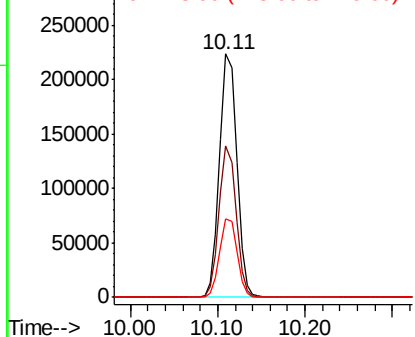
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008582.D
Acq: 01 Apr 2019 20:26

Instrument :
MSVOA_X
ClientSampleId :
WE-9

Tot Ion:117 Resp: 307992
Ion Ratio Lower Upper
117 100
82 62.1 49.4 74.2
119 32.4 25.4 38.0

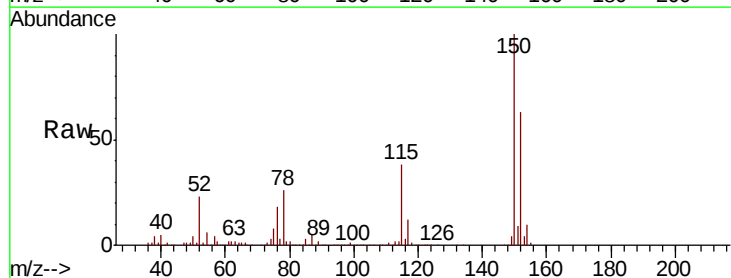


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

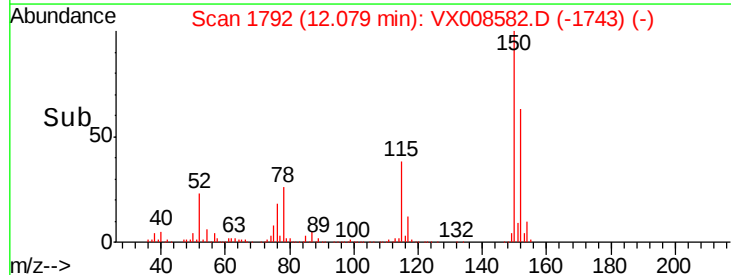
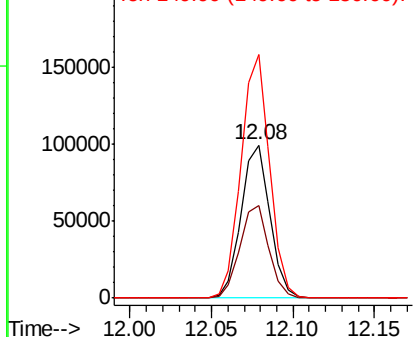


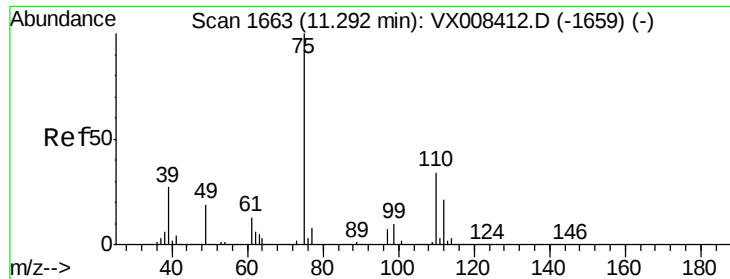
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008582.D
Acq: 01 Apr 2019 20:26

Tgt Ion:152 Resp: 122784
Ion Ratio Lower Upper
152 100
115 60.9 43.5 130.5
150 157.7 0.0 348.8



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: 20.937 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008582.D

Acq: 01 Apr 2019 20:26

Instrument :

MSVOA_X

ClientSampleId :

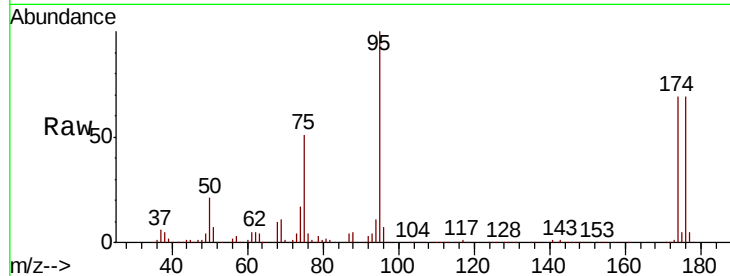
WE-9

Tot Ion: 75 Resp: 76425

Ion Ratio Lower Upper

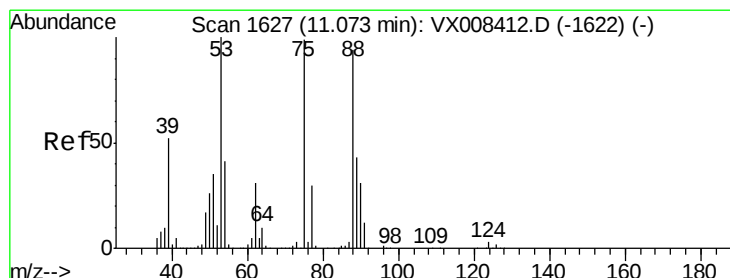
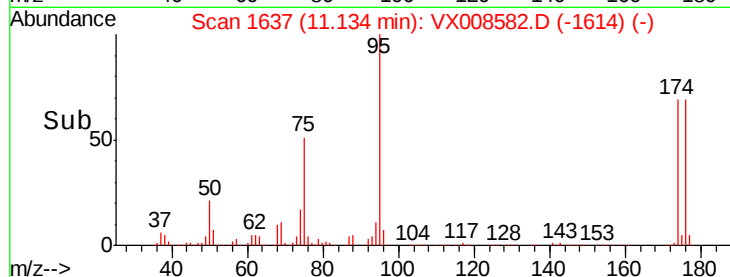
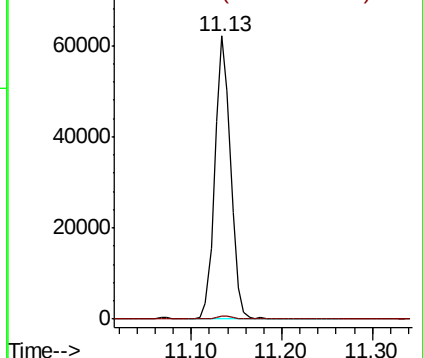
75 100

77 1.2 21.9 65.7#



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: 67.058 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008582.D

Acq: 01 Apr 2019 20:26

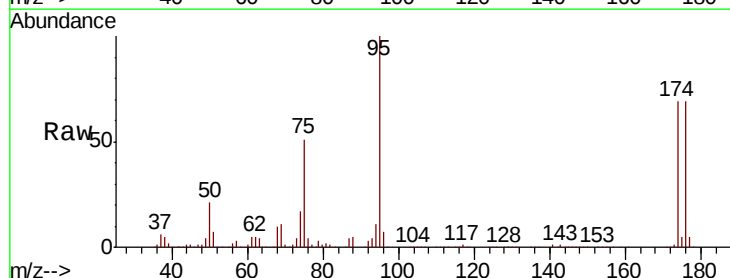
Tgt Ion: 75 Resp: 76425

Ion Ratio Lower Upper

75 100

53 0.1 82.1 123.1#

89 0.0 34.6 52.0#



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

