

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042219\
 Data File : VX009085.D
 Acq On : 22 Apr 2019 10:33
 Operator : JC/SP
 Sample : VX0422WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0422WBL01

Quant Time: Apr 23 02:31:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	256053	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	411615	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	353406	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	151342	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	168897	46.81	ug/l	0.00
Spiked Amount			Recovery	=	93.62%	
35) Dibromofluoromethane	5.49	113	125831	47.63	ug/l	0.00
Spiked Amount			Recovery	=	95.26%	
50) Toluene-d8	8.71	98	510421	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
62) 4-Bromofluorobenzene	11.13	95	168841	45.40	ug/l	0.00
Spiked Amount			Recovery	=	90.80%	

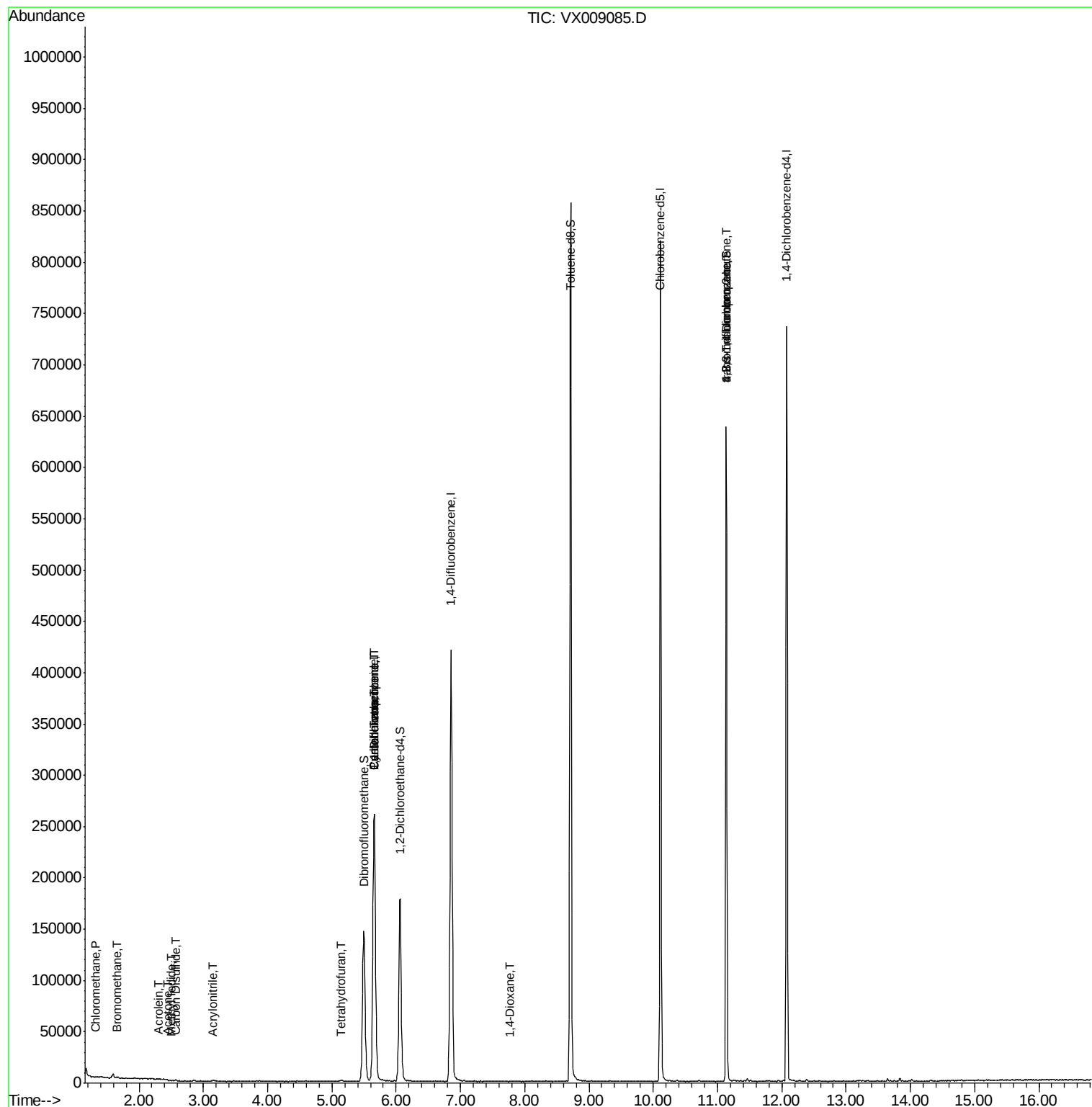
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	879	0.243	ug/l	99
5) Bromomethane	1.66	94	520	4.066	ug/l	83
10) Methyl Iodide	2.51	142	410	4.544	ug/l #	55
13) Acrolein	2.29	56	394	0.569	ug/l #	57
15) Acrylonitrile	3.15	53	551	0.271	ug/l #	56
16) Acetone	2.44	43	675	0.361	ug/l	91
17) Carbon Disulfide	2.57	76	1481	1.432	ug/l #	72
28) Bromochloromethane	5.01	49	53	Below Cal	#	21
29) Tetrahydrofuran	5.14	42	1514	0.756	ug/l #	87
31) Cyclohexane	5.65	56	5499	0.957	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	20304	4.770	ug/l #	50
38) Carbon Tetrachloride	5.65	117	24474	6.781	ug/l #	18
49) 1,4-Dioxane	7.77	88	29	0.355	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	85810	23.220	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	85810	59.613	ug/l #	11

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042219\
Data File : VX009085.D
Acq On : 22 Apr 2019 10:33
Operator : JC/SP
Sample : VX0422WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0422WBL01

Quant Time: Apr 23 02:31:09 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:47:58 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009085.D

Acq: 22 Apr 2019 10:33

Instrument :

MSVOA_X

ClientSampled :

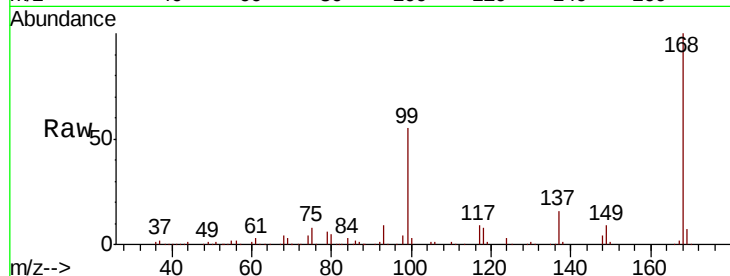
VX0422WBL01

Tot Ion:168 Resp: 256053

Ion Ratio Lower Upper

168 100

99 55.3 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

60000

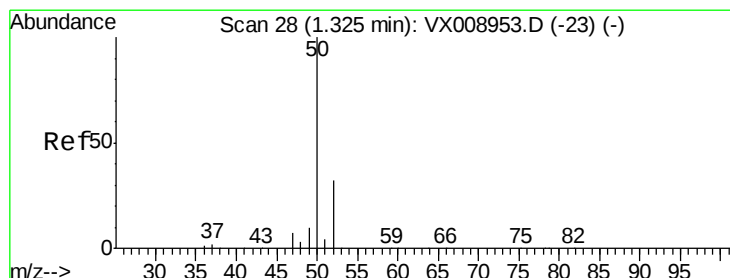
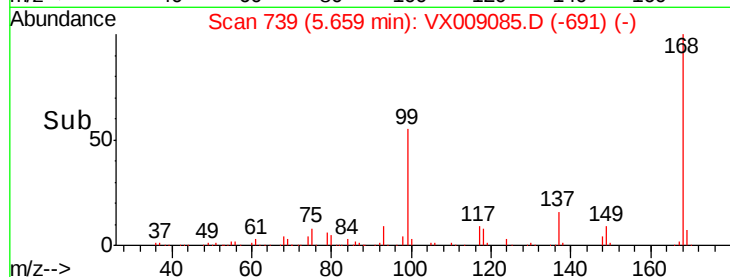
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.243 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009085.D

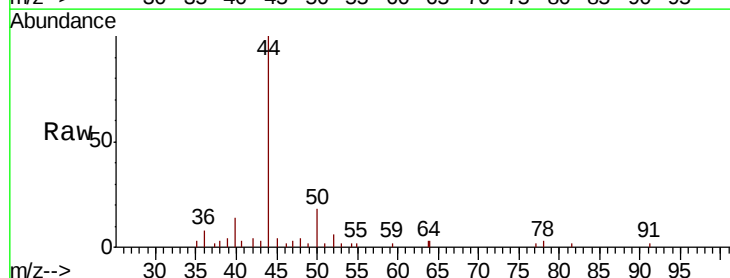
Acq: 22 Apr 2019 10:33

Tgt Ion: 50 Resp: 879

Ion Ratio Lower Upper

50 100

52 32.6 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

600

500

400

300

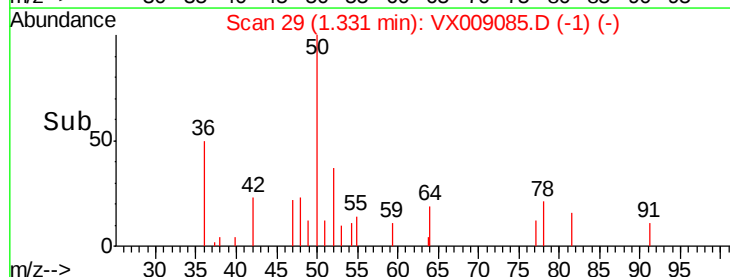
200

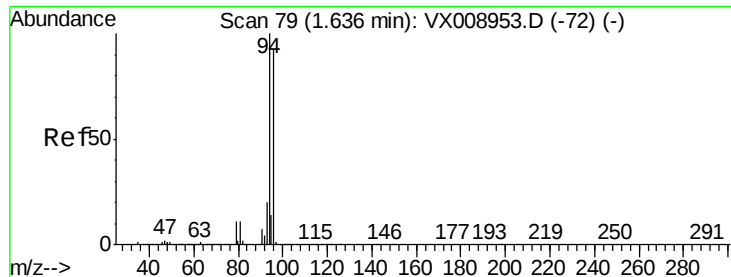
100

0

Time-->

1.25 1.30 1.35





#5

Bromomethane

Concen: 4.066 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX009085.D

Acq: 22 Apr 2019 10:33

Instrument :

MSVOA_X

ClientSampleId :

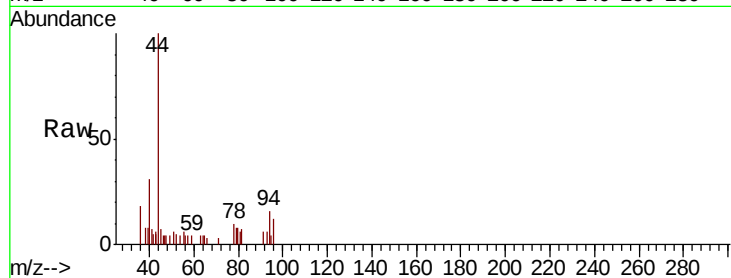
VX0422WBL01

Tot Ion: 94 Resp: 520

Ion Ratio Lower Upper

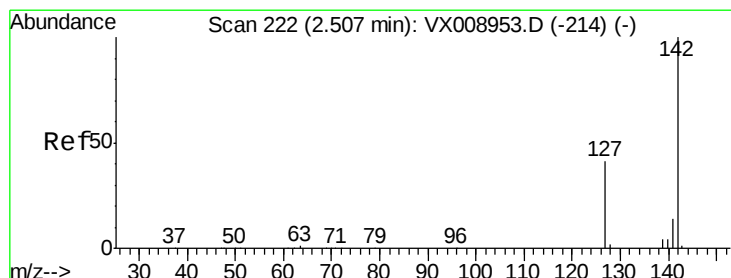
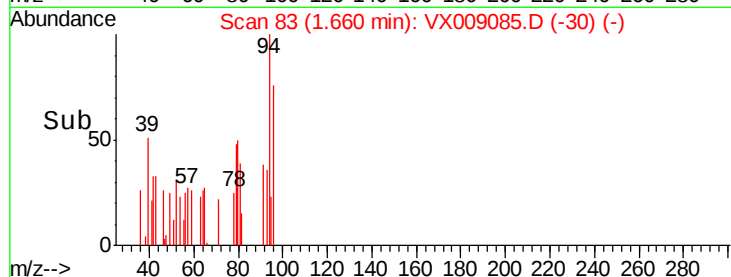
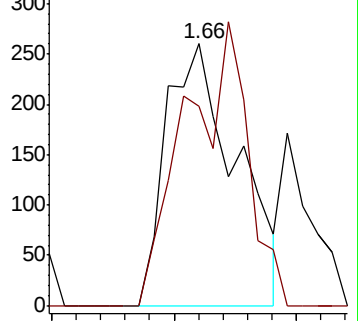
94 100

96 76.2 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 4.544 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009085.D

Acq: 22 Apr 2019 10:33

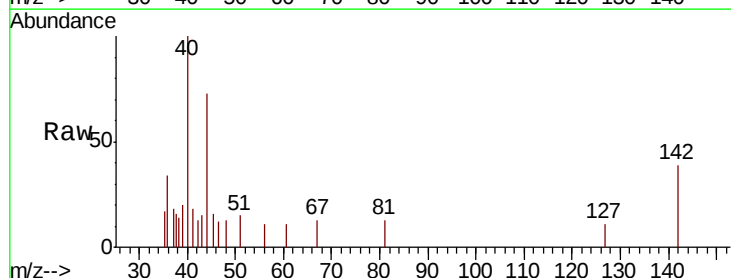
Tgt Ion: 142 Resp: 410

Ion Ratio Lower Upper

142 100

127 10.5 32.8 49.2#

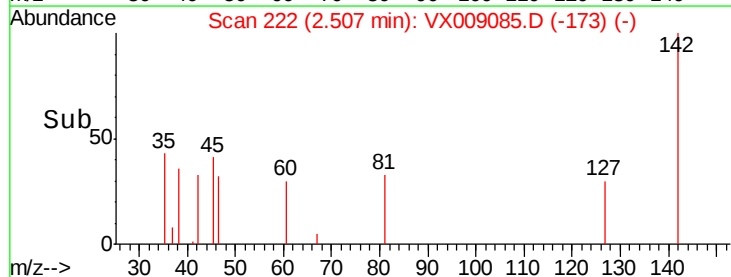
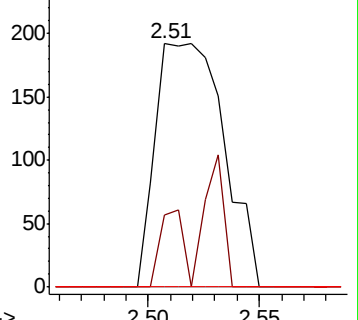
141 0.0 11.4 17.2#

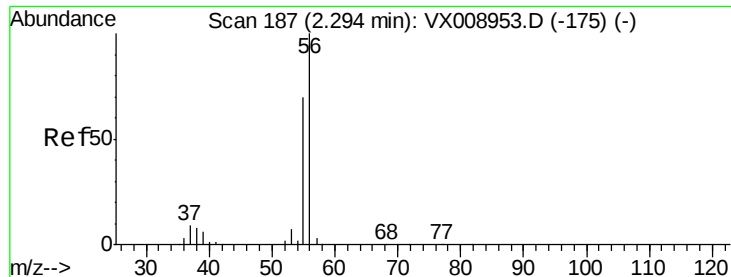


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 0.569 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009085.D

Acq: 22 Apr 2019 10:33

Instrument :

MSVOA_X

ClientSampleId :

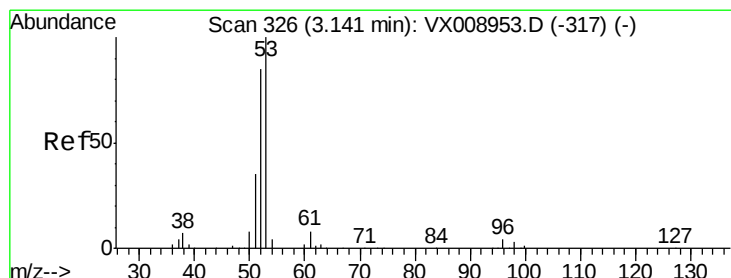
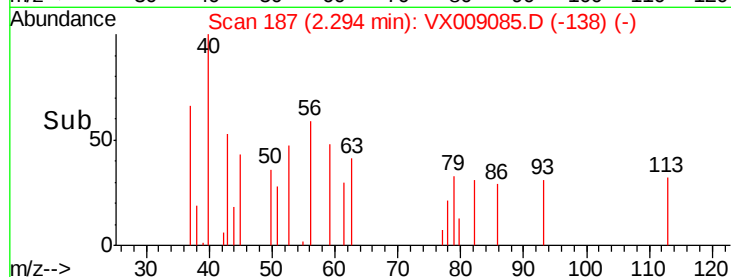
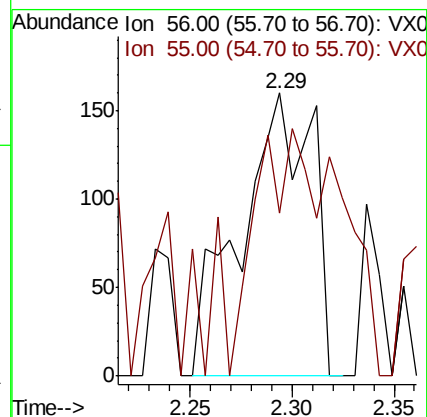
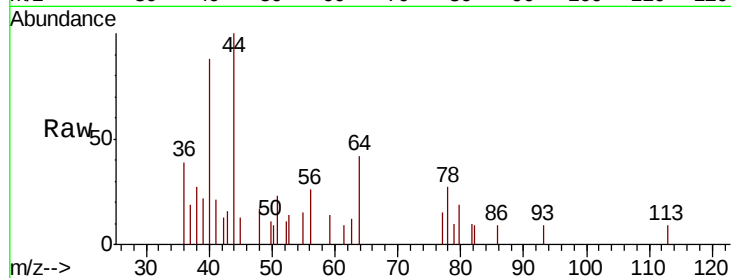
VX0422WBL01

Tot Ion: 56 Resp: 394

Ion Ratio Lower Upper

56 100

55 35.3 56.6 84.8#



#15

Acrylonitrile

Concen: 0.271 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX009085.D

Acq: 22 Apr 2019 10:33

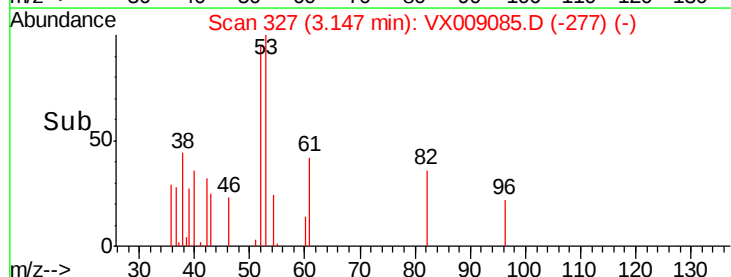
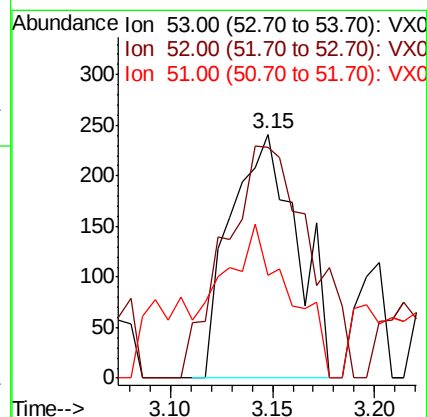
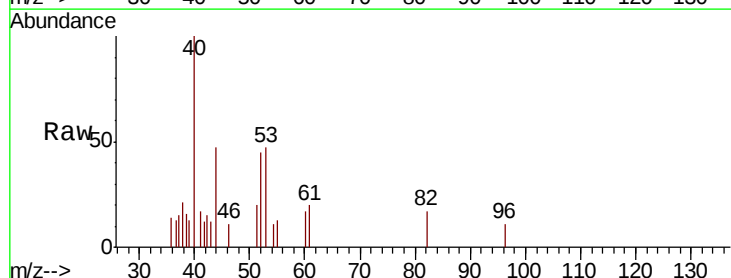
Tgt Ion: 53 Resp: 551

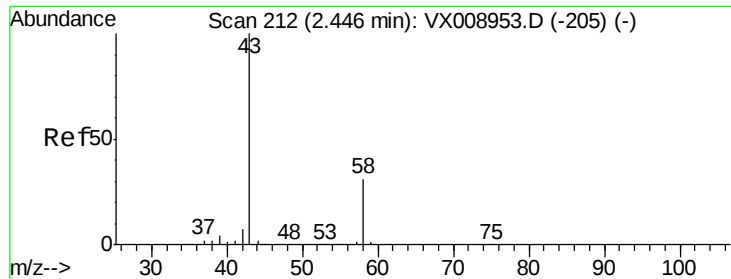
Ion Ratio Lower Upper

53 100

52 120.9 66.6 100.0#

51 64.2 28.3 42.5#





#16

Acetone

Concen: 0.361 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009085.D

Acq: 22 Apr 2019 10:33

Instrument :

MSVOA_X

ClientSampleId :

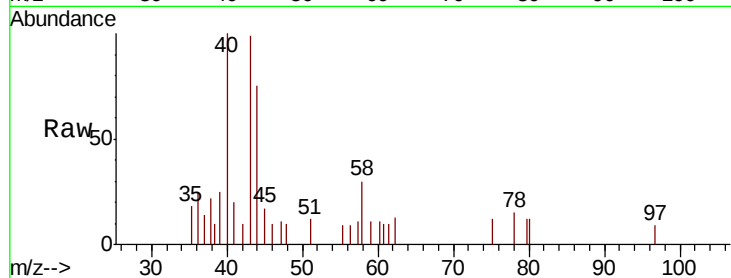
VX0422WBL01

Tot Ion: 43 Resp: 675

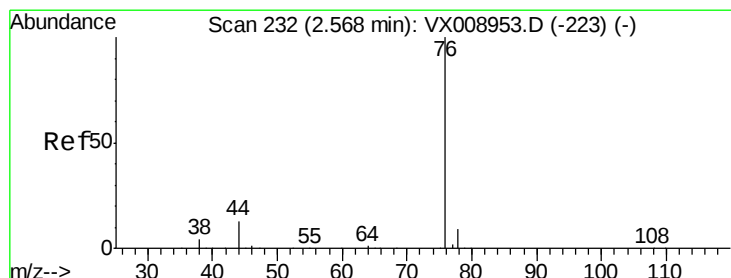
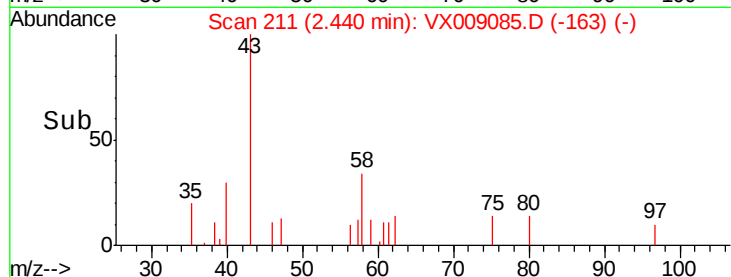
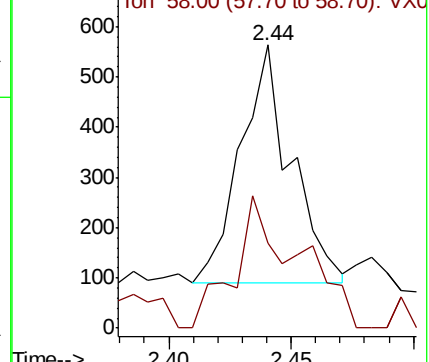
Ion Ratio Lower Upper

43 100

58 35.8 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0



#17

Carbon Disulfide

Concen: 1.432 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009085.D

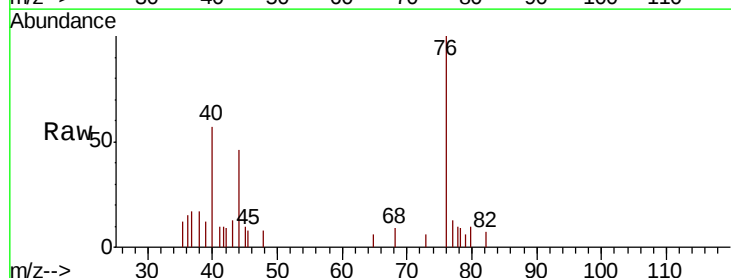
Acq: 22 Apr 2019 10:33

Tgt Ion: 76 Resp: 1481

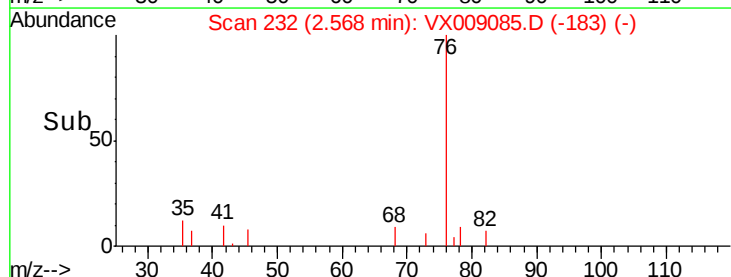
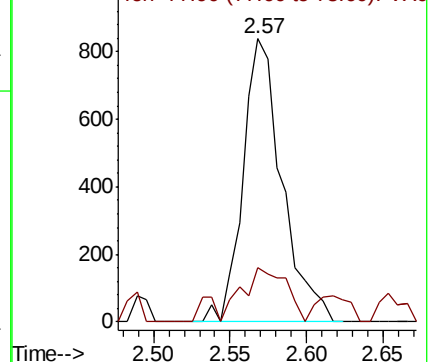
Ion Ratio Lower Upper

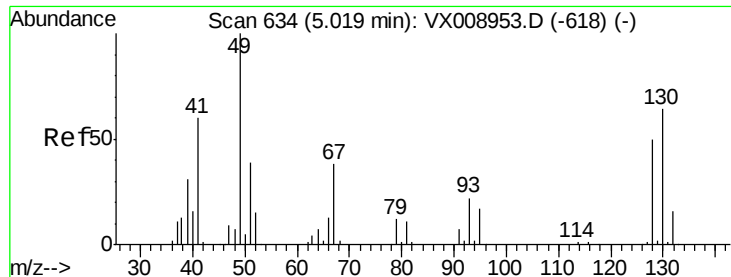
76 100

78 19.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

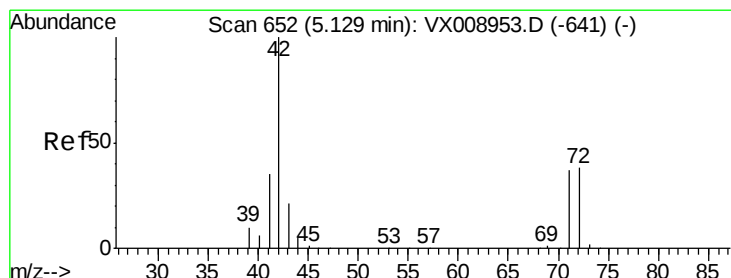
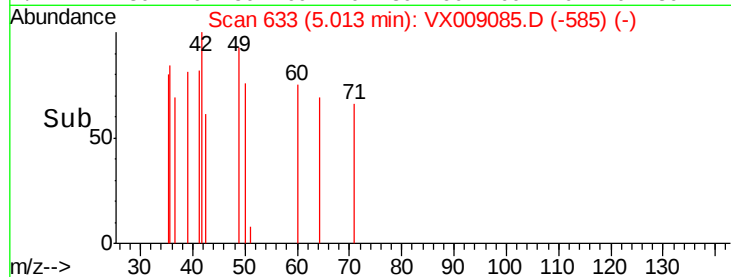
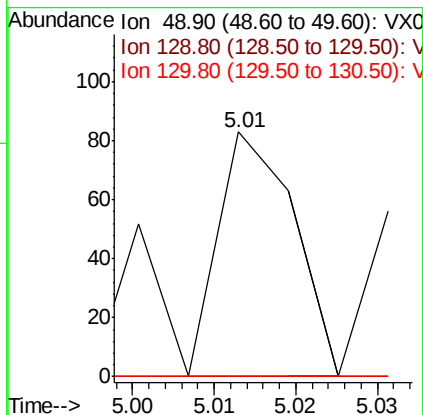
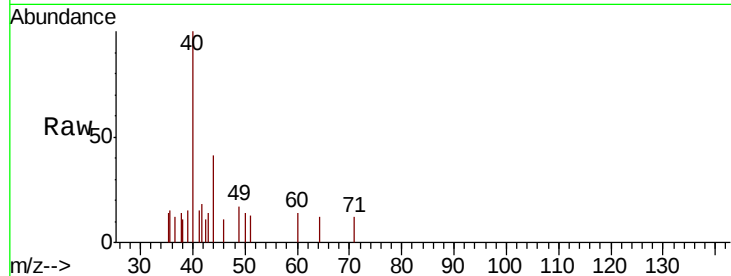
Lab File: VX009085.D

Acq: 22 Apr 2019 10:33

Instrument :
MSVOA_X
ClientSampled :
VX0422WBL01

Tot Ion: 49 Resp: 53

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	0.0	50.4	75.6#



#29

Tetrahydrofuran

Concen: 0.756 ug/l

RT: 5.14 min Scan# 654

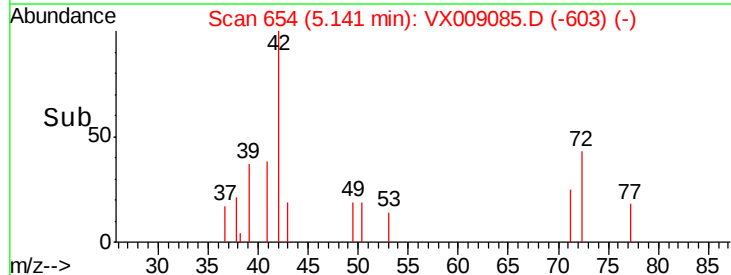
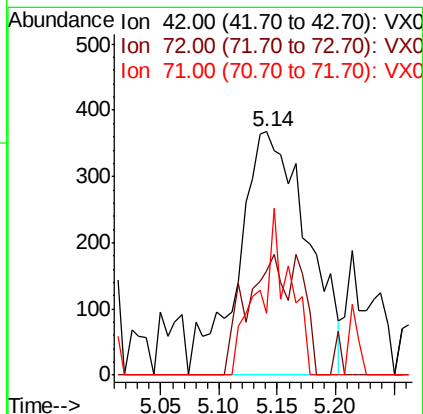
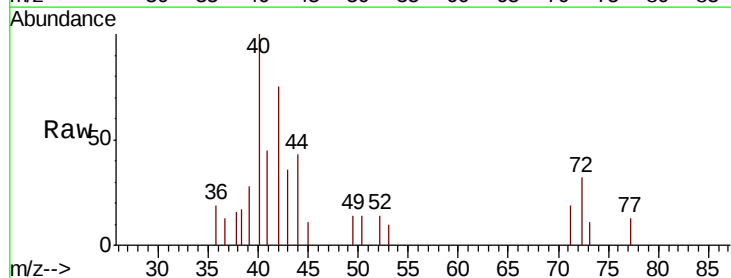
Delta R.T. 0.01 min

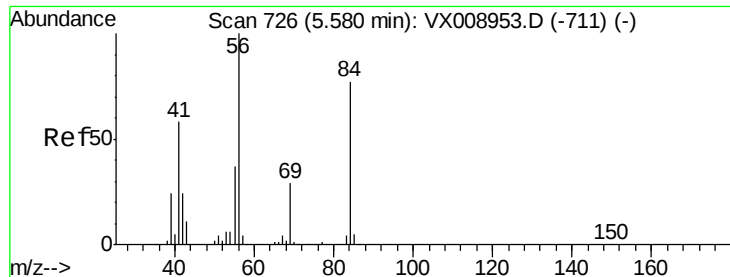
Lab File: VX009085.D

Acq: 22 Apr 2019 10:33

Tgt Ion: 42 Resp: 1514

Ion	Ratio	Lower	Upper
42	100		
72	27.9	30.6	45.8#
71	30.6	28.8	43.2

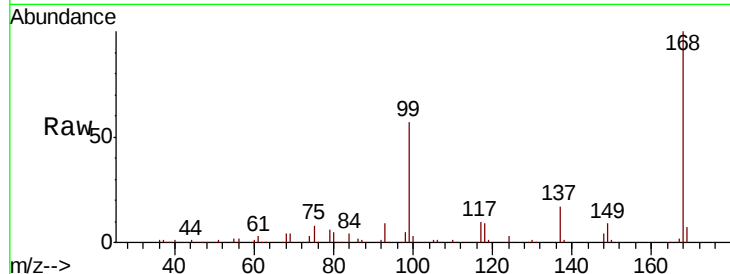




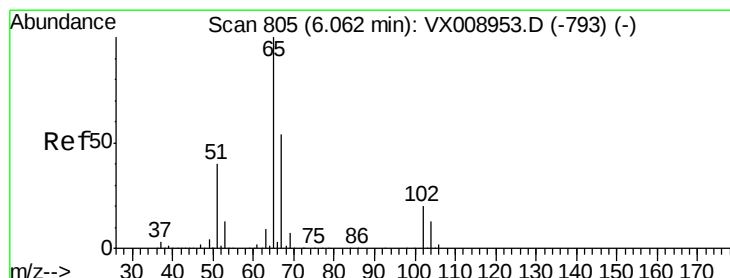
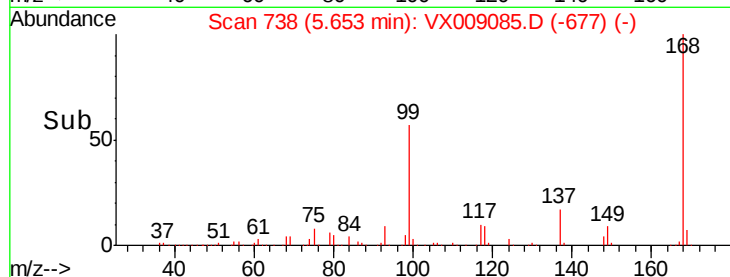
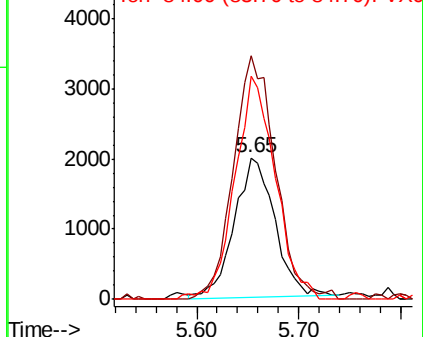
#31
Cyclohexane
Concen: 0.957 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX009085.D
Acq: 22 Apr 2019 10:33

Instrument :
MSVOA_X
ClientSampleId :
VX0422WBL01

Tot Ion: 56 Resp: 5499
Ion Ratio Lower Upper
56 100
69 176.8 23.3 34.9#
84 162.1 61.7 92.5#

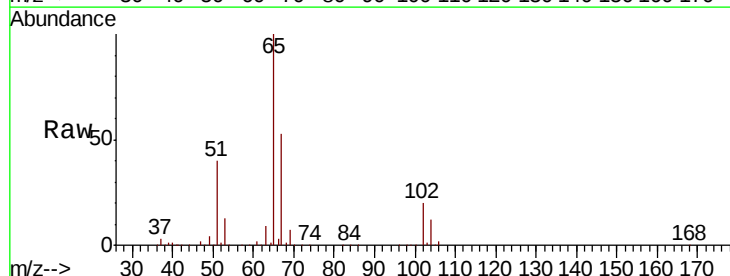


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

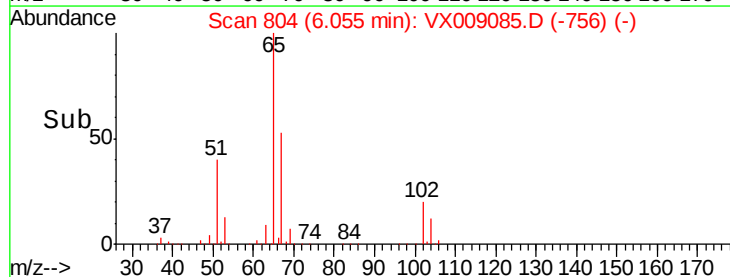
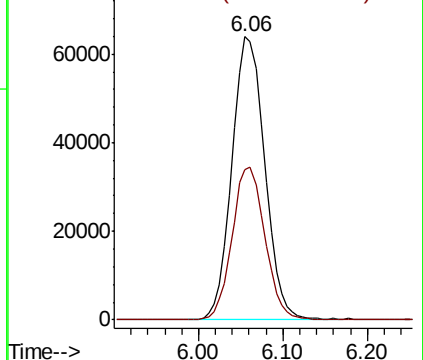


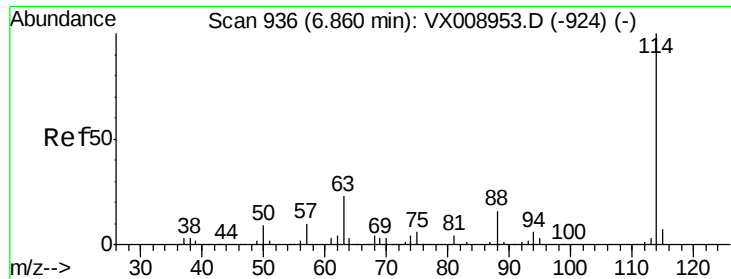
#33
1,2-Dichloroethane-d4
Concen: 46.805 ug/l
RT: 6.06 min Scan# 804
Delta R.T. -0.01 min
Lab File: VX009085.D
Acq: 22 Apr 2019 10:33

Tgt Ion: 65 Resp: 168897
Ion Ratio Lower Upper
65 100
67 53.8 0.0 108.6



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

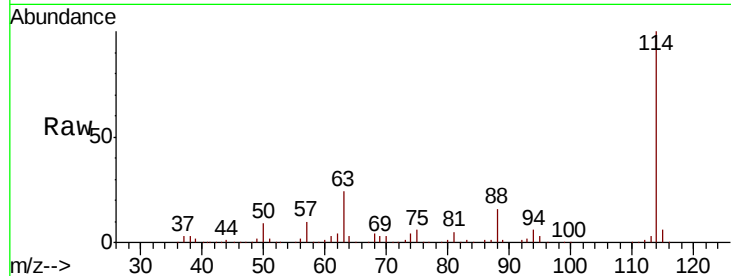




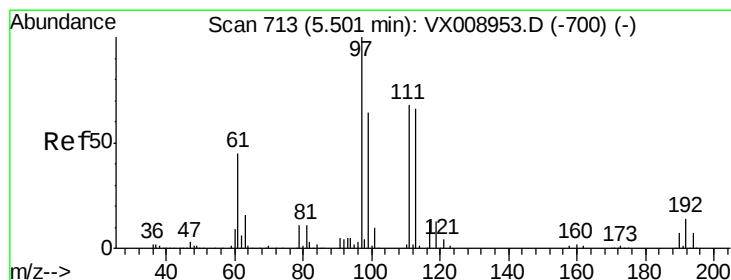
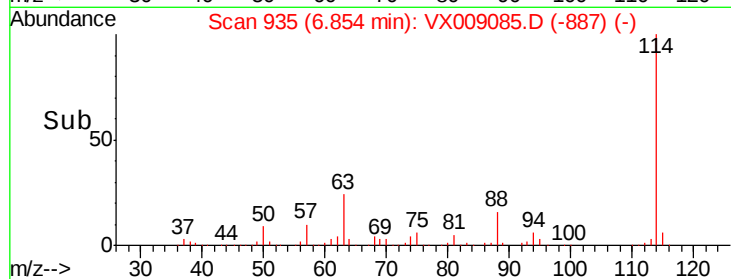
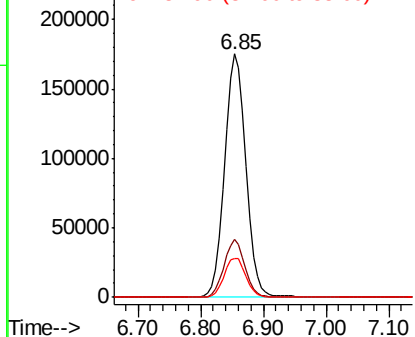
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009085.D
 Acq: 22 Apr 2019 10:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0422WBL01

Tot Ion:114 Resp: 411615
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 46.0
 88 16.1 0.0 32.6

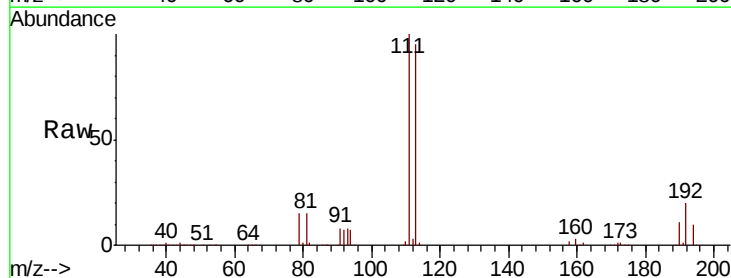


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

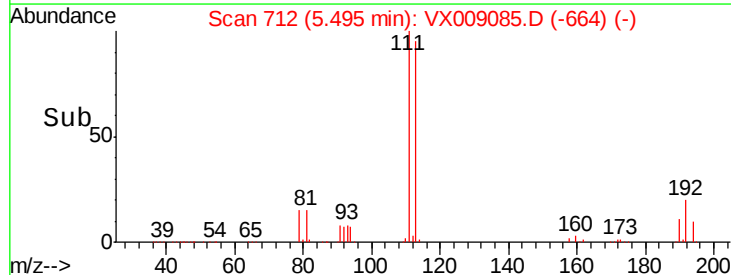
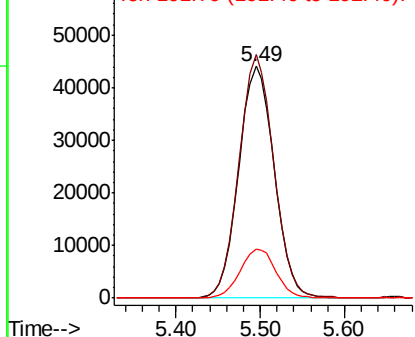


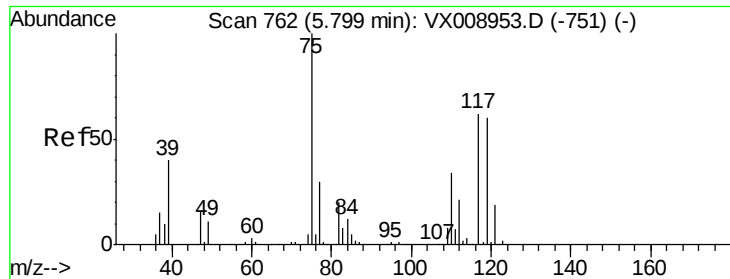
#35
 Dibromofluoromethane
 Concen: 47.634 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX009085.D
 Acq: 22 Apr 2019 10:33

Tgt Ion:113 Resp: 125831
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.9 124.3
 192 21.3 17.4 26.0



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

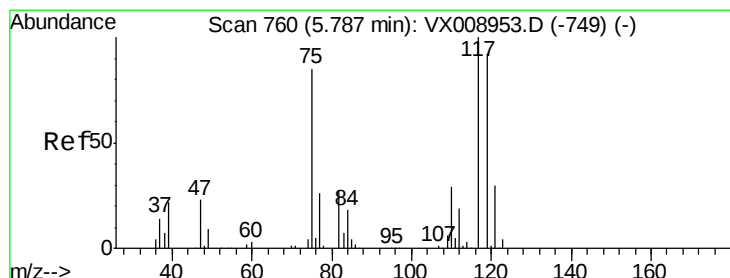
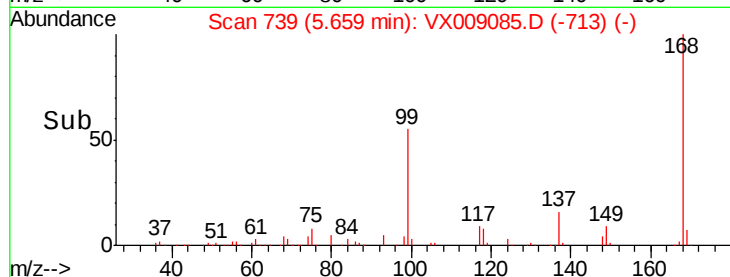
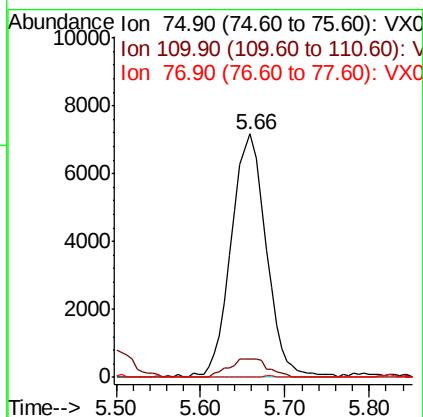
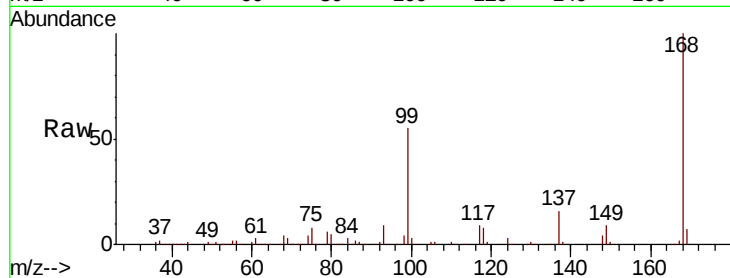




#36
 1,1-Dichloropropene
 Concen: 4.770 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009085.D
 Acq: 22 Apr 2019 10:33

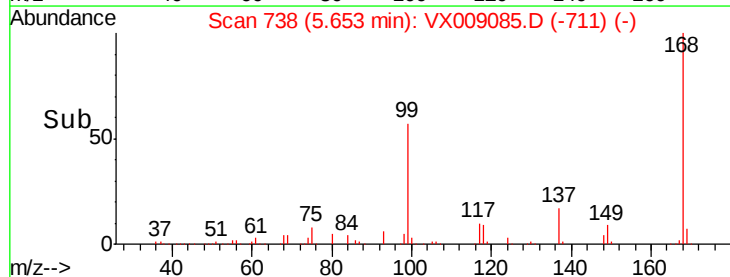
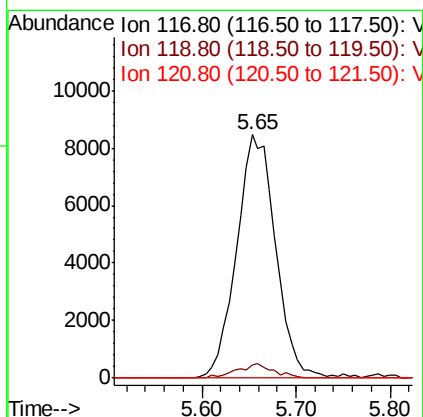
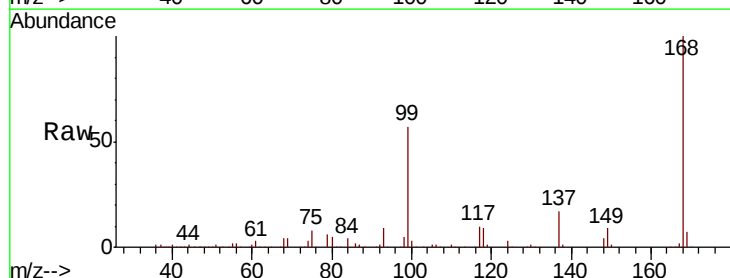
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0422WBL01

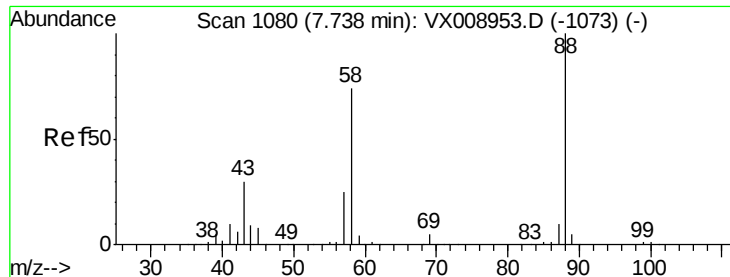
Tot Ion	75	Resp	20304
Ion Ratio	Lower	Upper	
75	100		
110	8.4	16.9	50.7#
77	0.2	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.781 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX009085.D
 Acq: 22 Apr 2019 10:33

Tgt Ion	117	Resp	24474
Ion Ratio	Lower	Upper	
117	100		
119	5.3	73.8	110.8#
121	0.0	23.6	35.4#

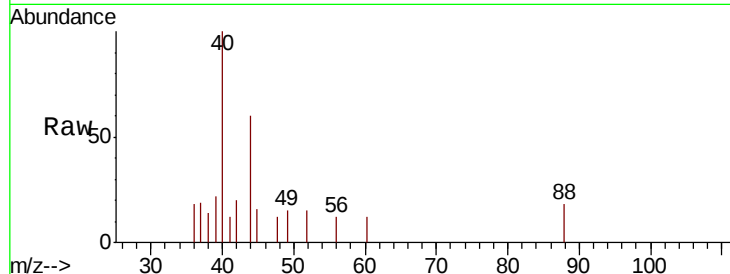




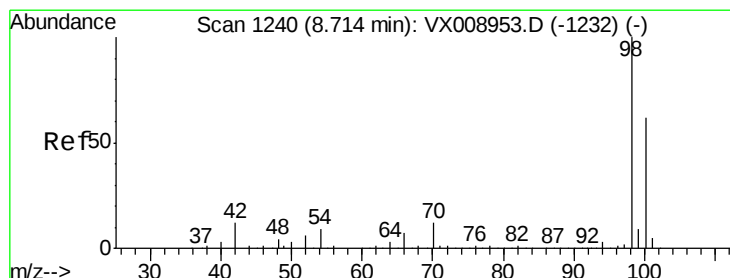
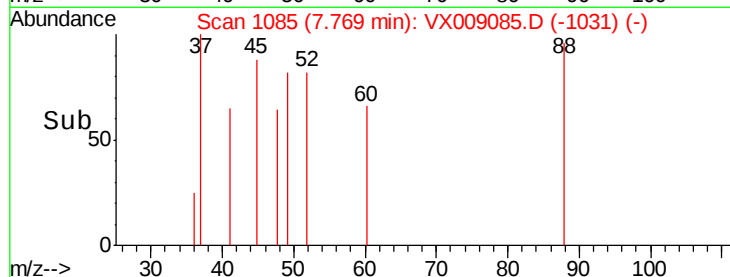
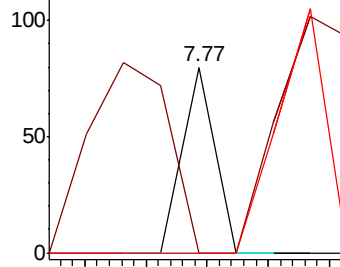
#49
1,4-Dioxane
Concen: 0.355 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.03 min
Lab File: VX009085.D
Acq: 22 Apr 2019 10:33

Instrument :
MSVOA_X
ClientSampled :
VX0422WBL01

Tot Ion: 88 Resp: 29
Ion Ratio Lower Upper
88 100
43 258.6 29.3 43.9#
58 0.0 62.6 93.8#

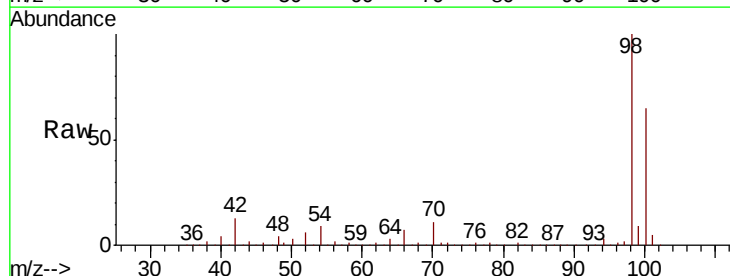


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

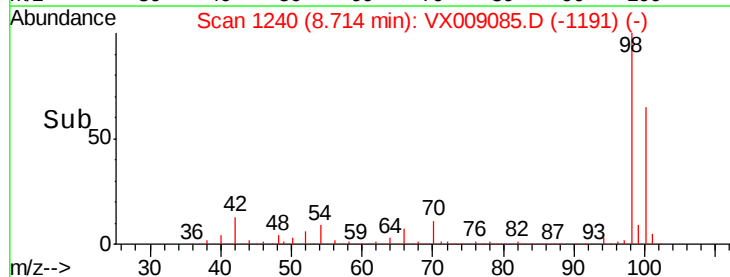
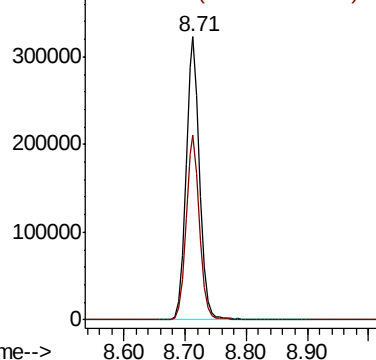


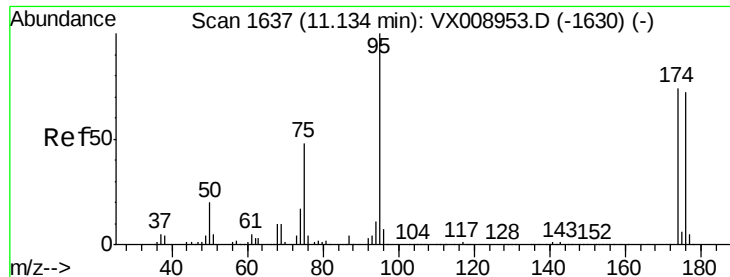
#50
Toluene-d8
Concen: 48.450 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009085.D
Acq: 22 Apr 2019 10:33

Tgt Ion: 98 Resp: 510421
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.2



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





#62

4-Bromofluorobenzene

Concen: 45.401 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009085.D

Acq: 22 Apr 2019 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0422WBL01

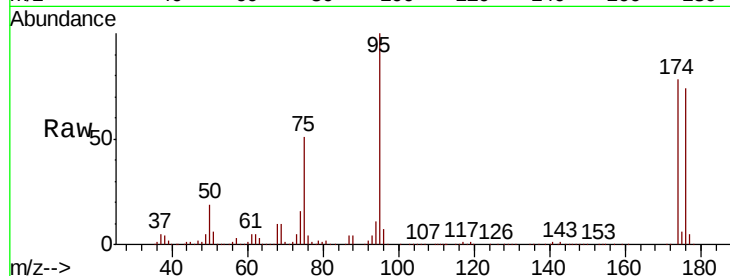
Tot Ion: 95 Resp: 168841

Ion Ratio Lower Upper

95 100

174 79.7 0.0 159.6

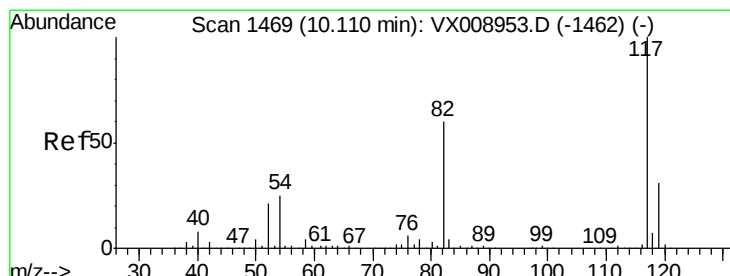
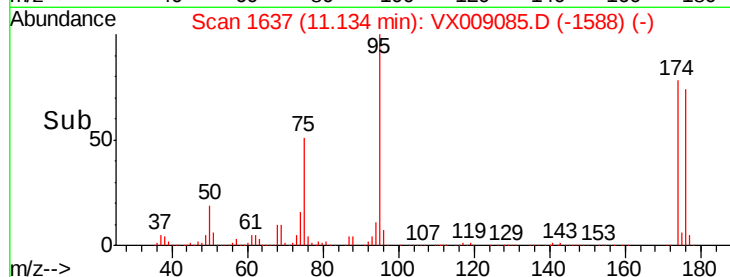
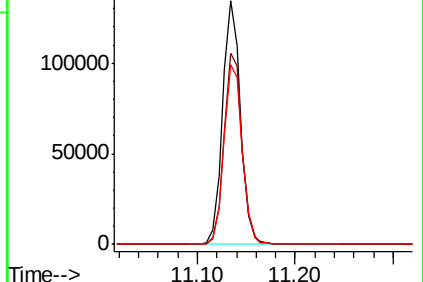
176 75.8 0.0 154.8



Abundance Ion 94.90 (94.60 to 95.60): VX008953.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008953.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008953.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009085.D

Acq: 22 Apr 2019 10:33

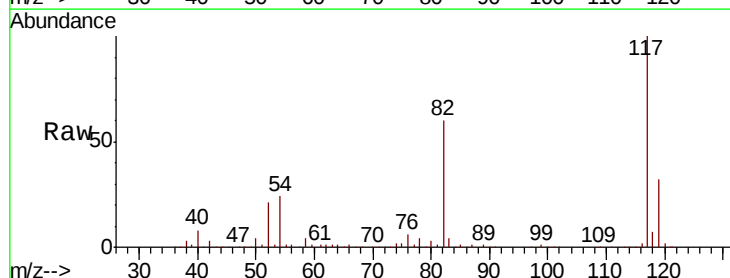
Tgt Ion: 117 Resp: 353406

Ion Ratio Lower Upper

117 100

82 59.9 48.2 72.4

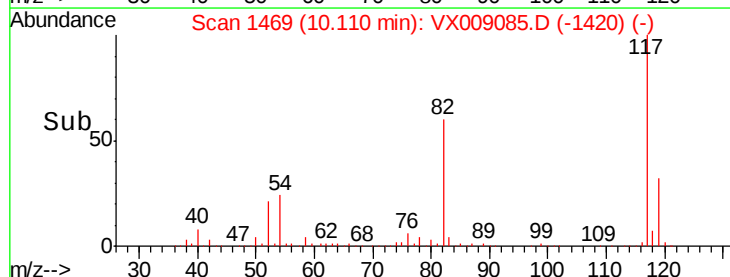
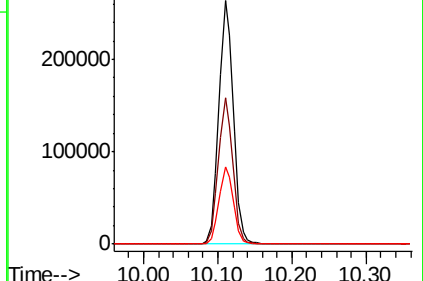
119 31.8 25.0 37.6

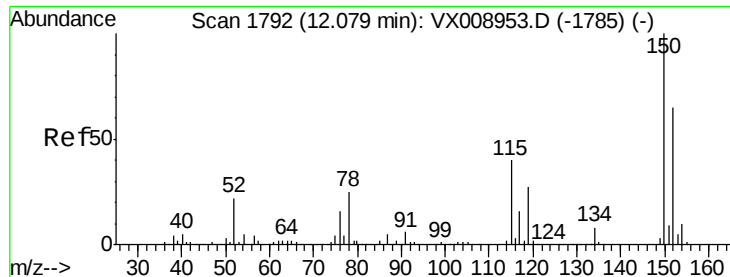


Abundance Ion 116.90 (116.60 to 117.60): VX008953.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008953.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008953.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009085.D

Acq: 22 Apr 2019 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0422WBL01

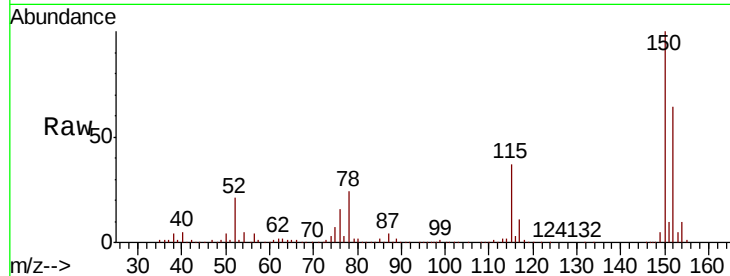
Tot Ion:152 Resp: 151342

Ion Ratio Lower Upper

152 100

115 59.5 41.4 124.2

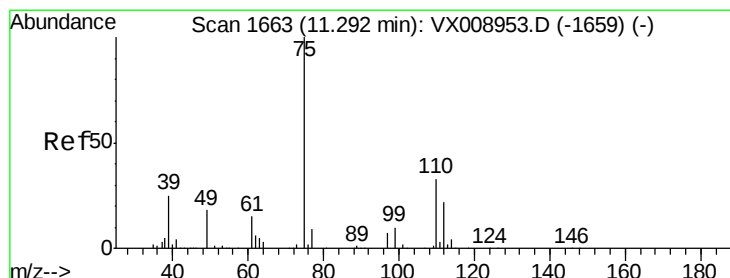
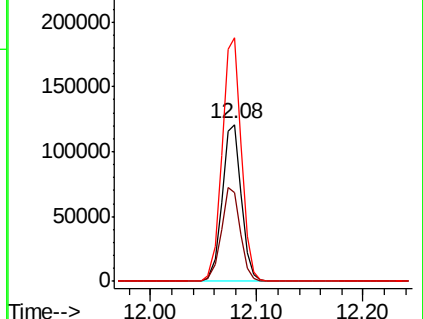
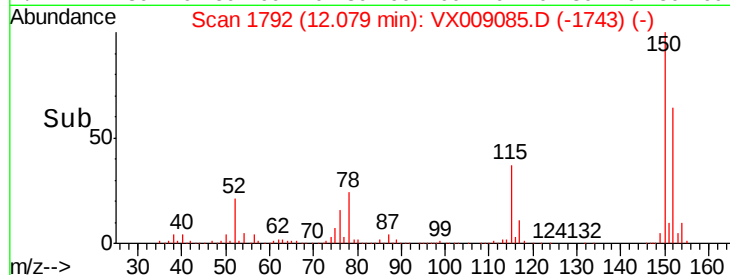
150 156.5 0.0 349.8



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: 23.220 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009085.D

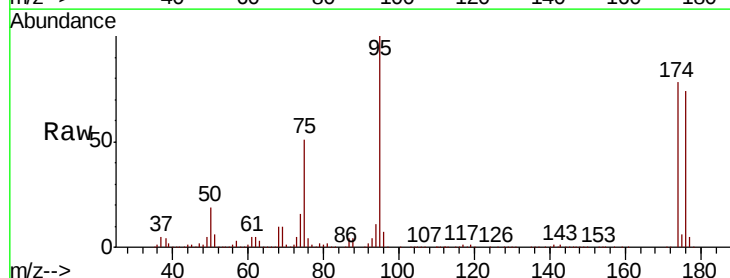
Acq: 22 Apr 2019 10:33

Tgt Ion: 75 Resp: 85810

Ion Ratio Lower Upper

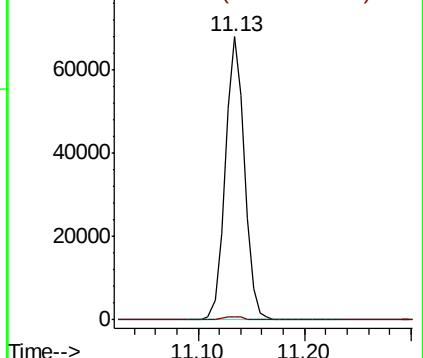
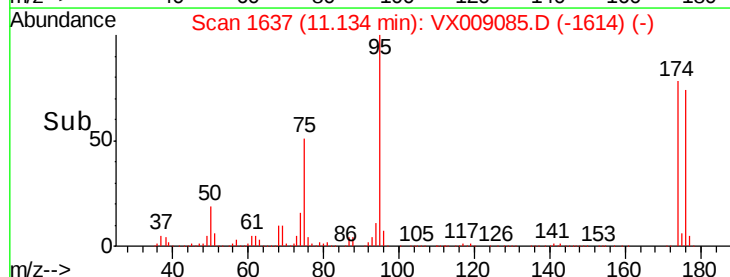
75 100

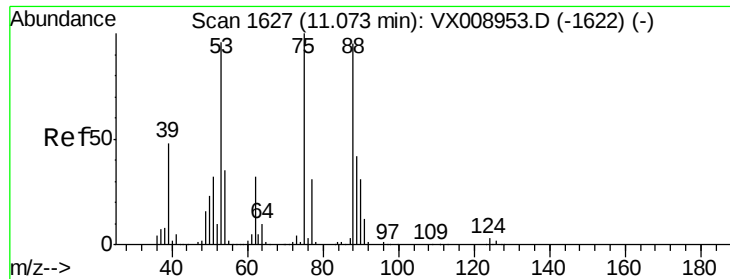
77 1.3 22.7 68.0#



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: 59.613 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009085.D

Acq: 22 Apr 2019 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0422WBL01

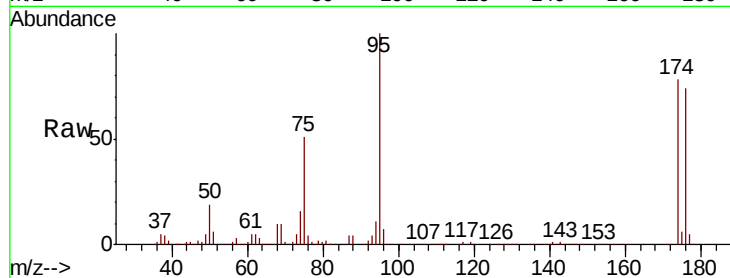
Tot Ion: 75 Resp: 85810

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

89 0.0 36.0 54.0#



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

