

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX053019\
 Data File : VX009969.D
 Acq On : 30 May 2019 18:35
 Operator : JC/SP
 Sample : K3104-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SUMP

Quant Time: May 31 05:36:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	164574	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	264129	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	238550	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	100791	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	113068	48.64	ug/l	0.00
Spiked Amount			Recovery	=	97.28%	
35) Dibromofluoromethane	5.50	113	82933	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
50) Toluene-d8	8.71	98	335025	49.68	ug/l	0.00
Spiked Amount			Recovery	=	99.36%	
62) 4-Bromofluorobenzene	11.13	95	112972	46.64	ug/l	0.00
Spiked Amount			Recovery	=	93.28%	

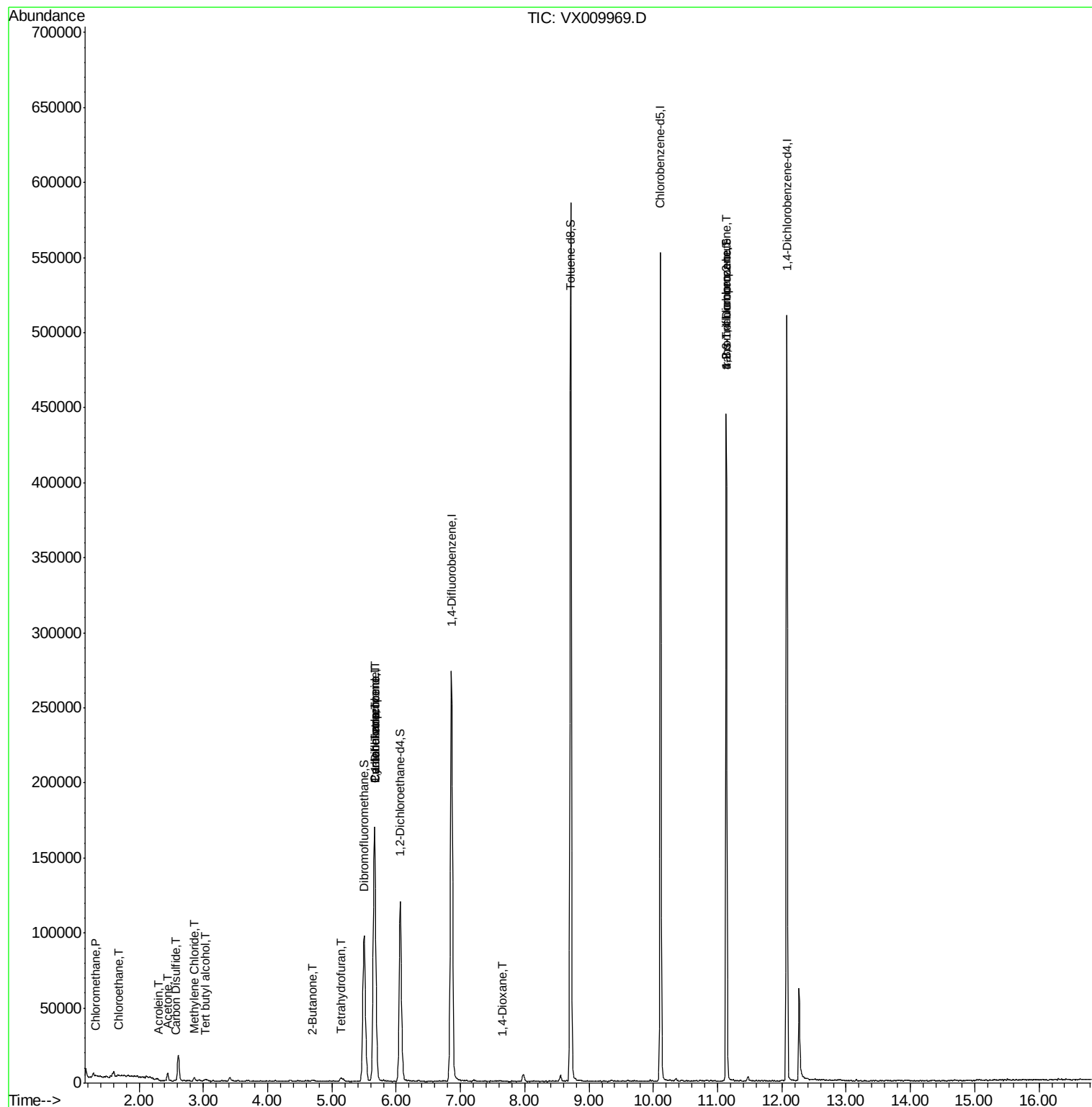
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	597	0.221	ug/l	99
6) Chloroethane	1.70	64	4316	2.877	ug/l #	45
11) Tert butyl alcohol	3.04	59	1163	2.033	ug/l	97
13) Acrolein	2.29	56	59	21.230	ug/l #	1
16) Acetone	2.45	43	5677	4.227	ug/l	98
17) Carbon Disulfide	2.57	76	747	0.532	ug/l #	68
20) Methylene Chloride	2.86	84	872	0.424	ug/l	91
25) 2-Butanone	4.70	43	925	0.442	ug/l	97
29) Tetrahydrofuran	5.14	42	2716	2.024	ug/l #	77
31) Cyclohexane	5.67	56	3726	1.053	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13081	4.881	ug/l #	50
38) Carbon Tetrachloride	5.67	117	15388	6.645	ug/l #	17
49) 1,4-Dioxane	7.65	88	22	0.397	ug/l #	18
76) 1,2,3-Trichloropropane	11.13	75	58991	24.475	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	58991	60.556	ug/l #	10

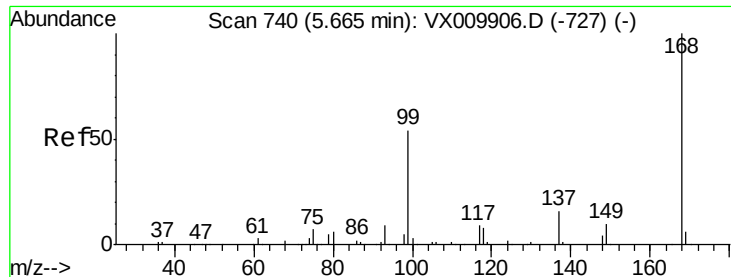
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009969.D

Acq: 30 May 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

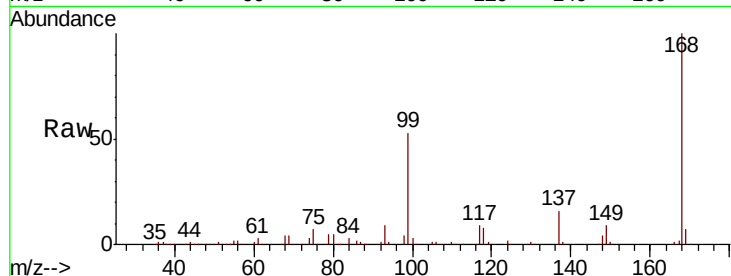
SUMP

Tot Ion:168 Resp: 164574

Ion Ratio Lower Upper

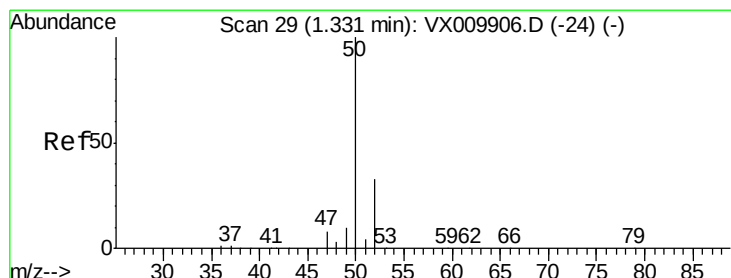
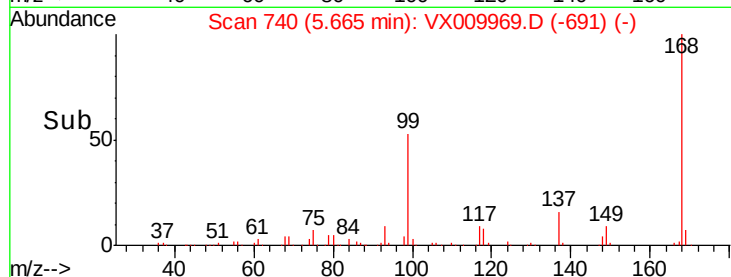
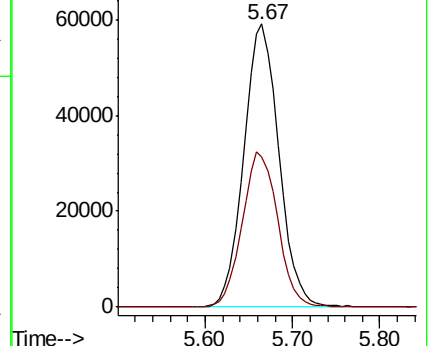
168 100

99 52.8 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.221 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX009969.D

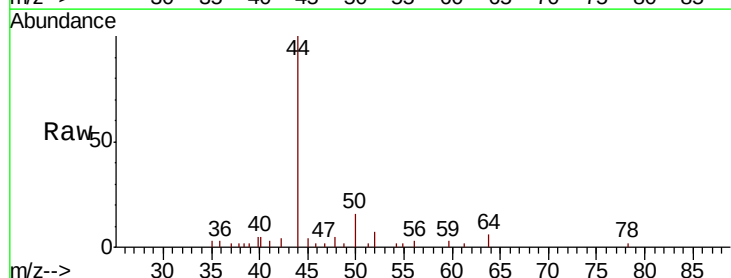
Acq: 30 May 2019 18:35

Tgt Ion: 50 Resp: 597

Ion Ratio Lower Upper

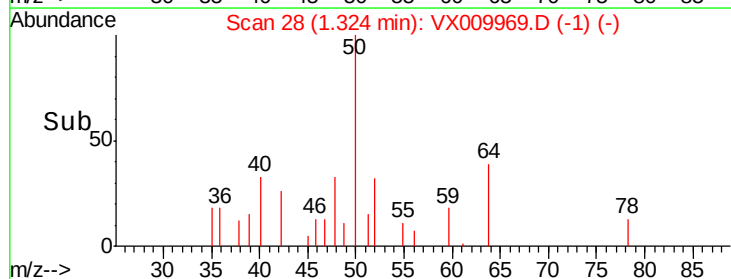
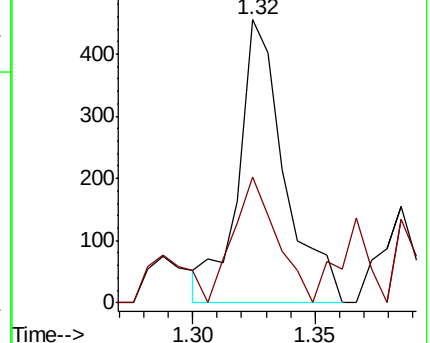
50 100

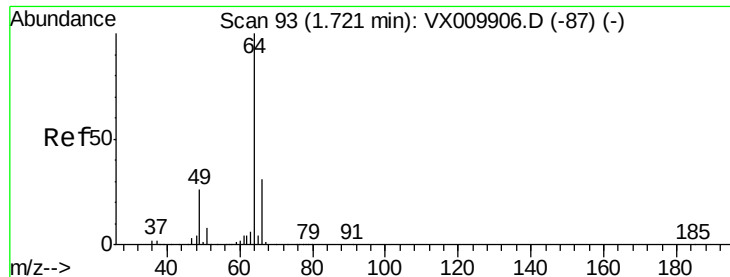
52 33.0 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: 2.877 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX009969.D

Acq: 30 May 2019 18:35

Instrument :

MSVOA_X

ClientSampled :

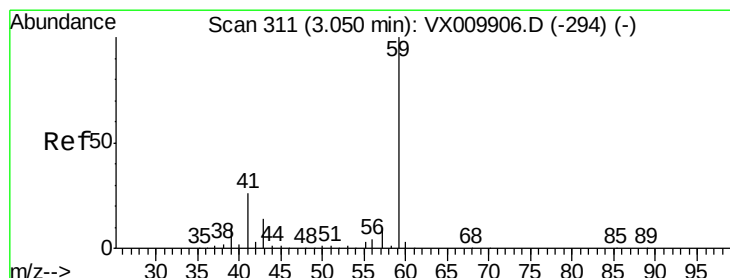
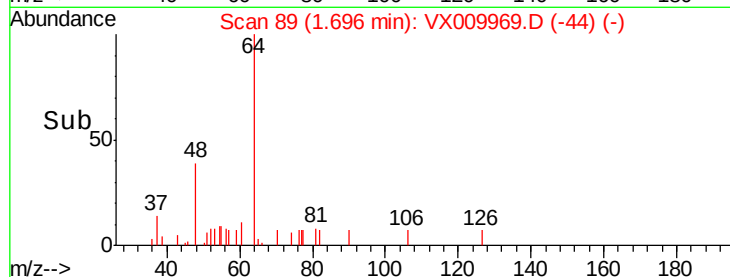
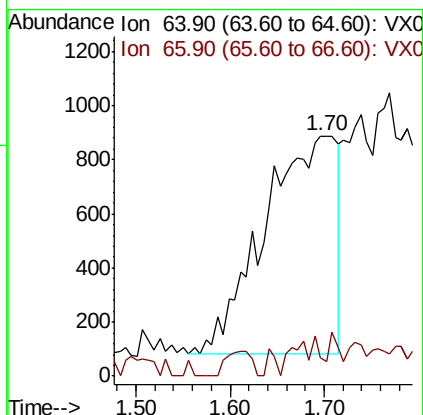
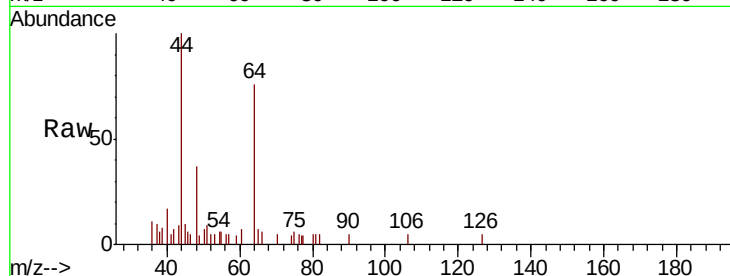
SUMP

Tot Ion: 64 Resp: 4316

Ion Ratio Lower Upper

64 100

66 1.2 25.1 37.7#



#11

Tert butyl alcohol

Concen: 2.033 ug/l

RT: 3.04 min Scan# 309

Delta R.T. -0.01 min

Lab File: VX009969.D

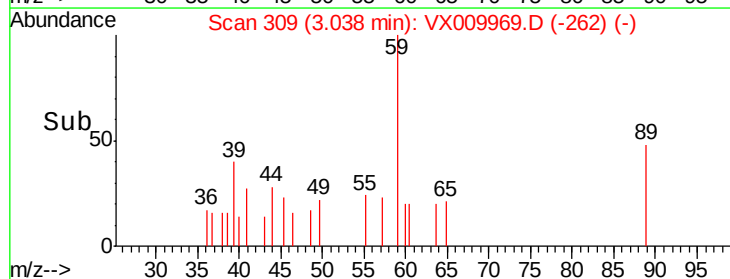
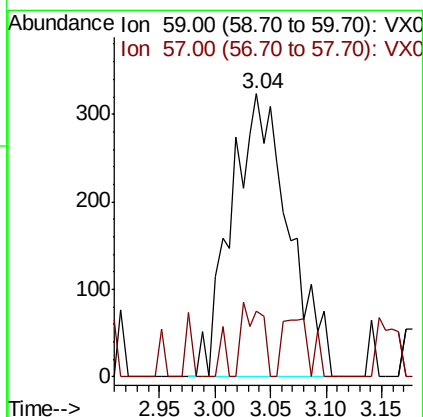
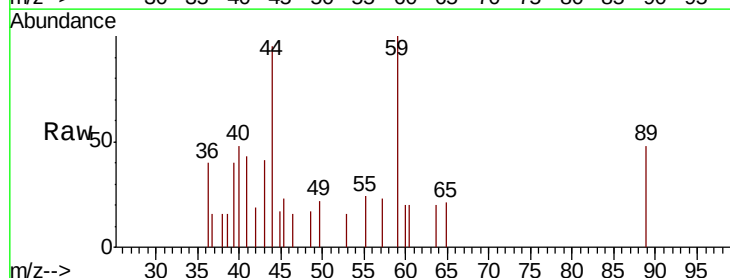
Acq: 30 May 2019 18:35

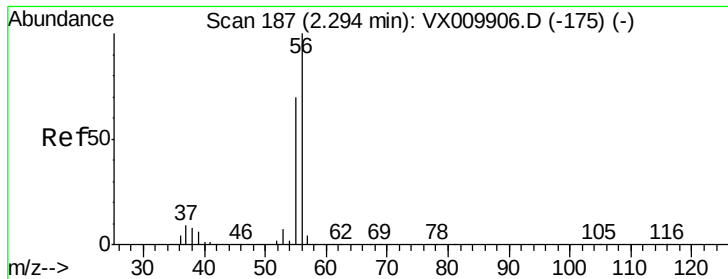
Tgt Ion: 59 Resp: 1163

Ion Ratio Lower Upper

59 100

57 9.0 8.2 12.2





#13

Acrolein

Concen: 21.230 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009969.D

Acq: 30 May 2019 18:35

Instrument :

MSVOA_X

ClientSampled :

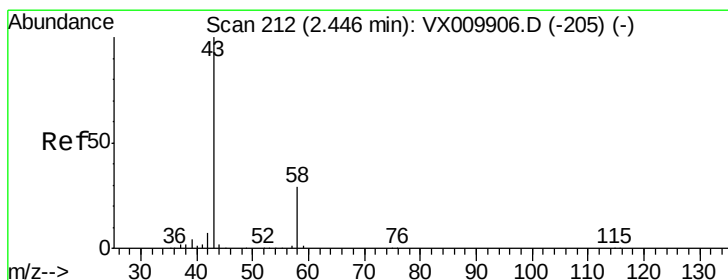
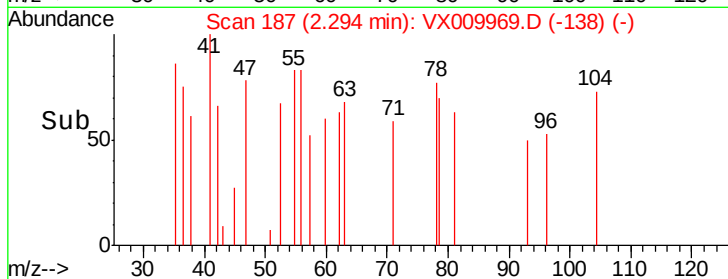
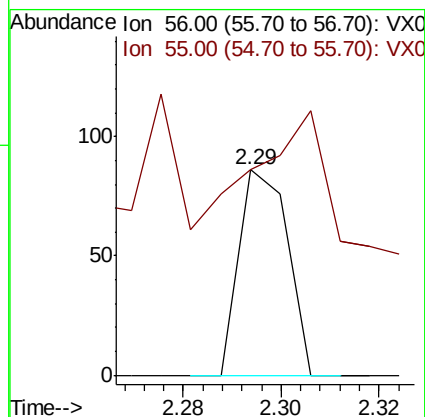
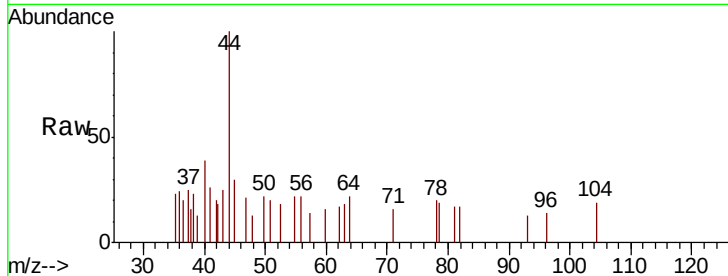
SUMP

Tot Ion: 56 Resp: 59

Ion Ratio Lower Upper

56 100

55 279.7 57.0 85.4#



#16

Acetone

Concen: 4.227 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009969.D

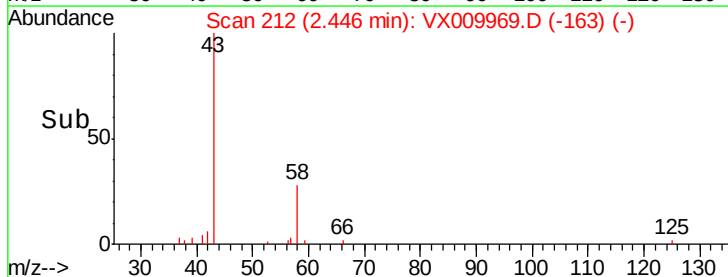
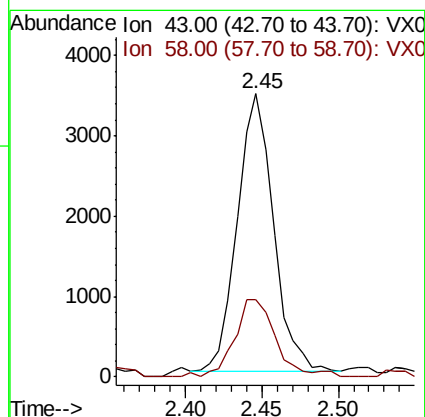
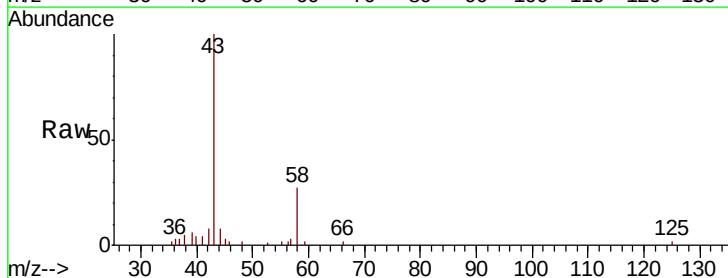
Acq: 30 May 2019 18:35

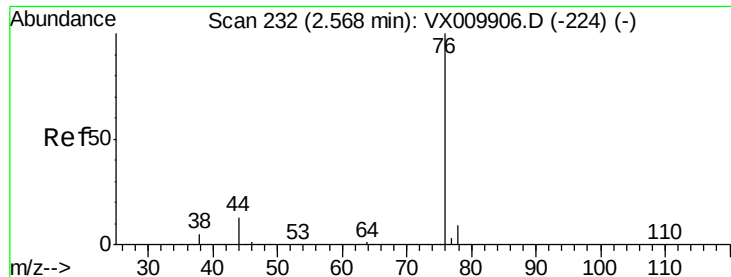
Tgt Ion: 43 Resp: 5677

Ion Ratio Lower Upper

43 100

58 27.8 23.2 34.8





#17

Carbon Disulfide

Concen: 0.532 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009969.D

Acq: 30 May 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

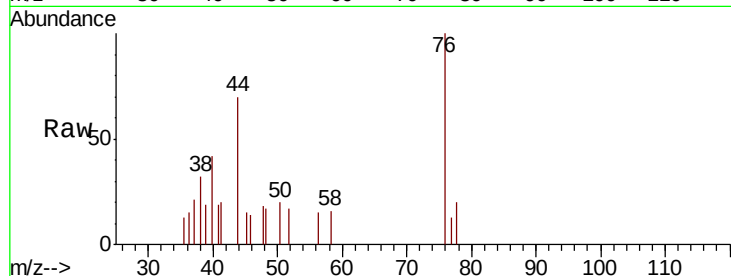
SUMP

Tot Ion: 76 Resp: 747

Ion Ratio Lower Upper

76 100

78 20.2 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

400

300

200

100

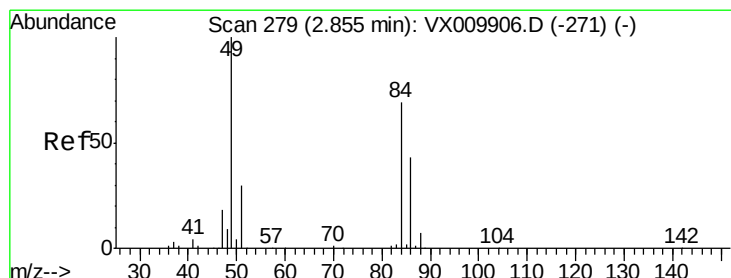
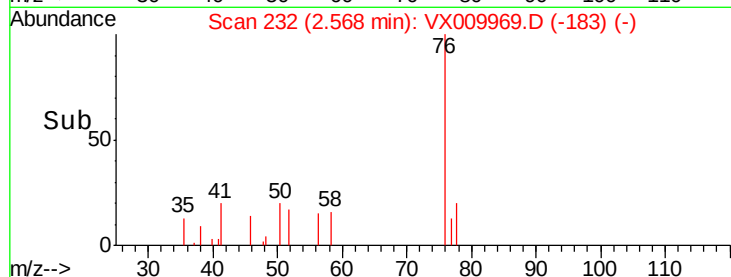
0

2.50

2.55

2.60

Time-->



#20

Methylene Chloride

Concen: 0.424 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX009969.D

Acq: 30 May 2019 18:35

Tgt Ion: 84 Resp: 872

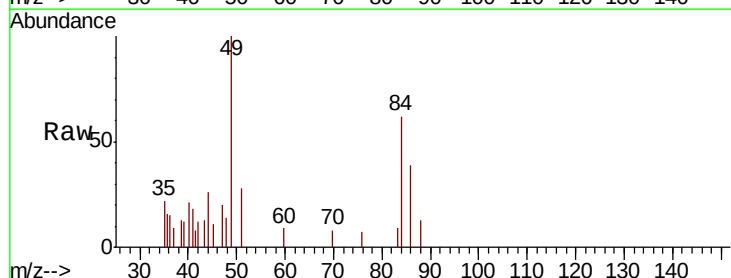
Ion Ratio Lower Upper

84 100

49 161.4 115.8 173.6

51 44.8 34.4 51.6

86 63.3 49.7 74.5



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

1000

800

600

400

200

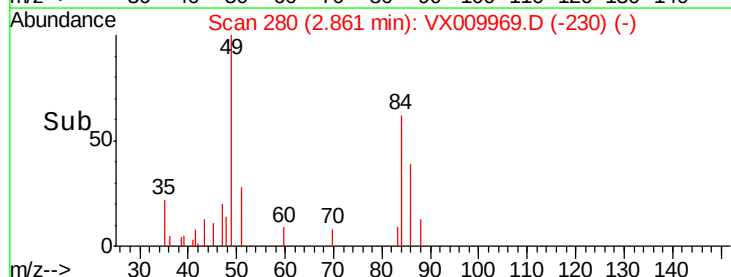
0

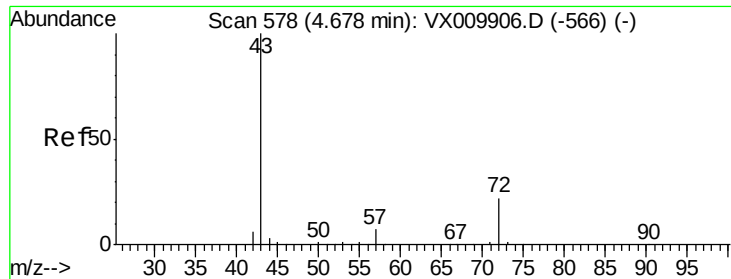
2.80

2.85

2.90

Time-->





#25

2-Butanone

Concen: 0.442 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.02 min

Lab File: VX009969.D

Acq: 30 May 2019 18:35

Instrument :

MSVOA_X

ClientSampled :

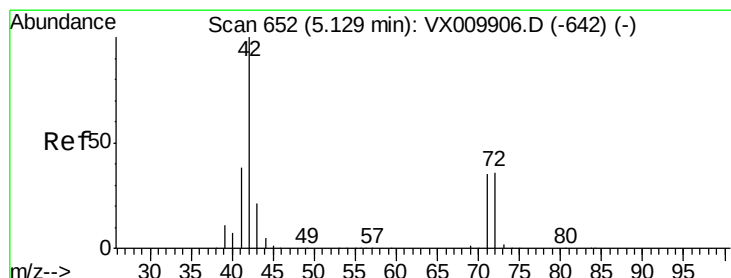
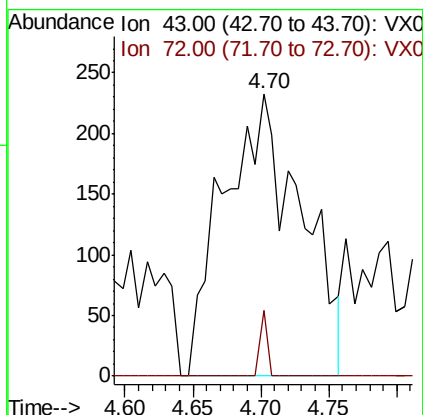
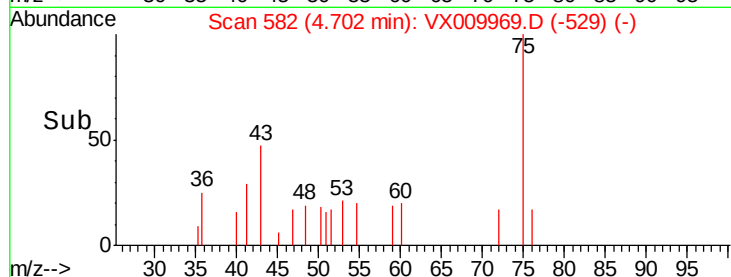
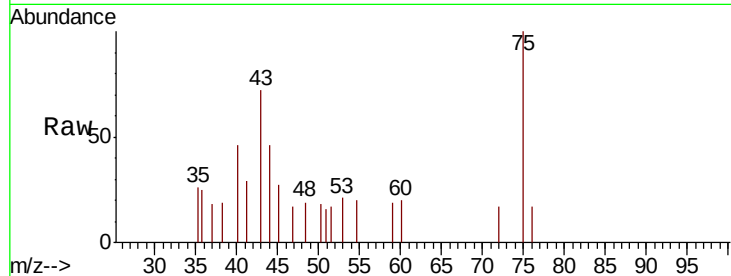
SUMP

Tot Ion: 43 Resp: 925

Ion Ratio Lower Upper

43 100

72 23.2 17.5 26.3



#29

Tetrahydrofuran

Concen: 2.024 ug/l

RT: 5.14 min Scan# 654

Delta R.T. 0.01 min

Lab File: VX009969.D

Acq: 30 May 2019 18:35

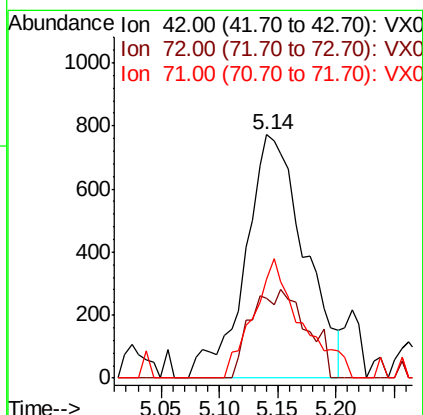
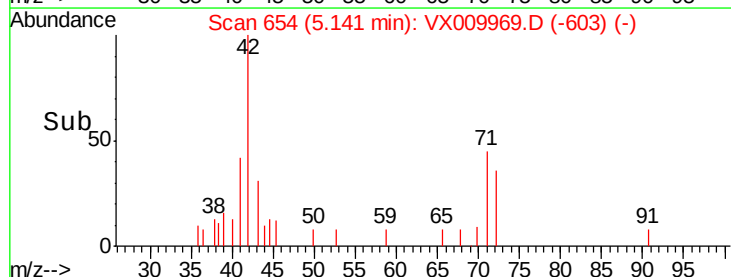
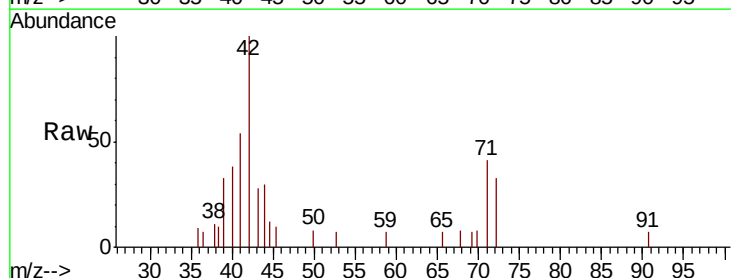
Tgt Ion: 42 Resp: 2716

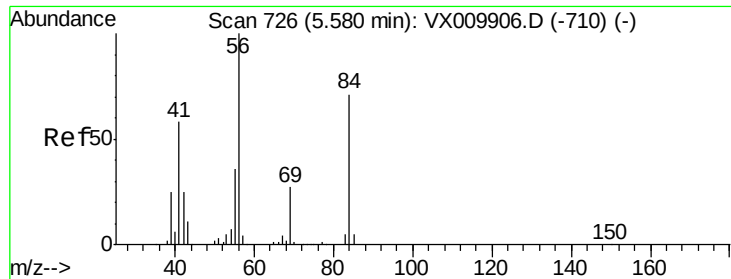
Ion Ratio Lower Upper

42 100

72 15.9 29.2 43.8#

71 40.0 27.6 41.4

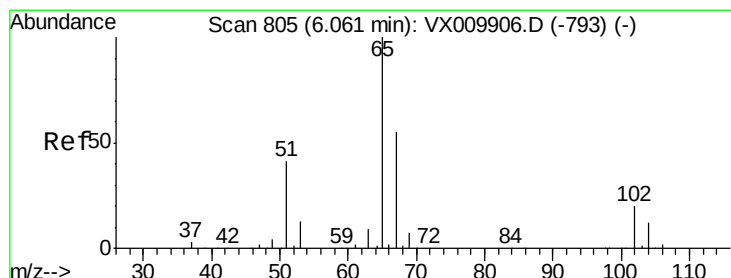
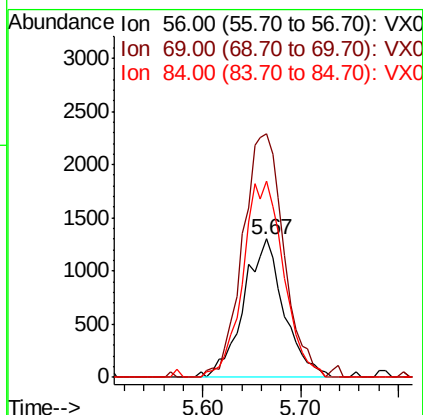
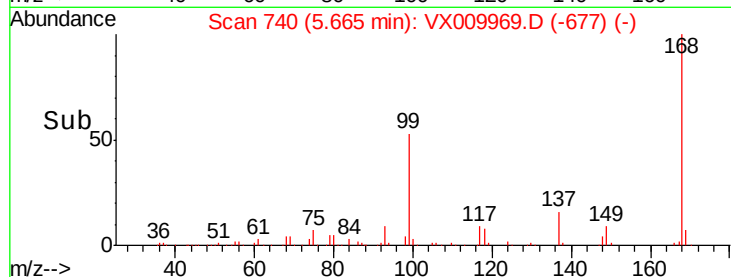
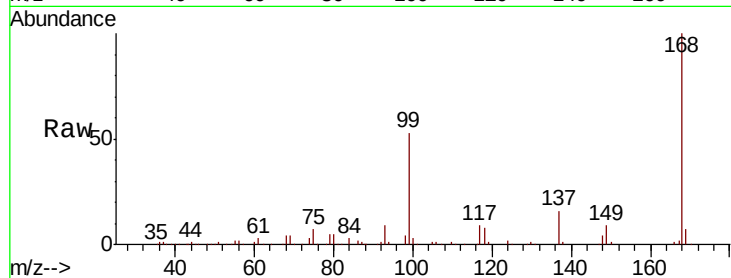




#31
Cyclohexane
Concen: 1.053 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX009969.D
Acq: 30 May 2019 18:35

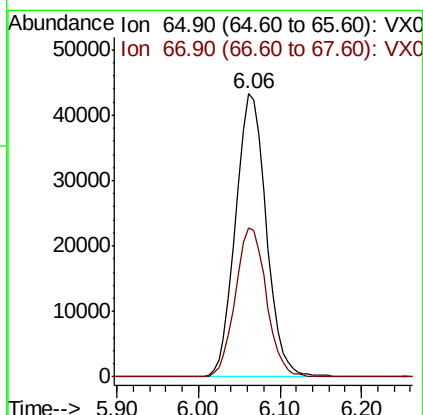
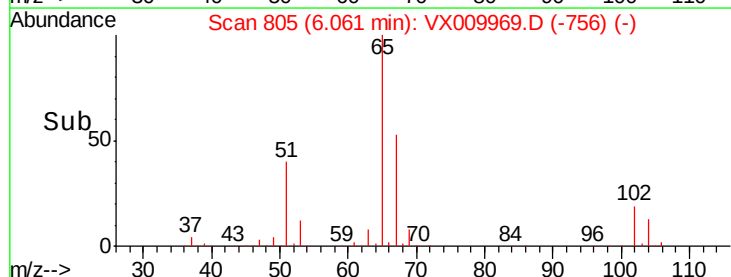
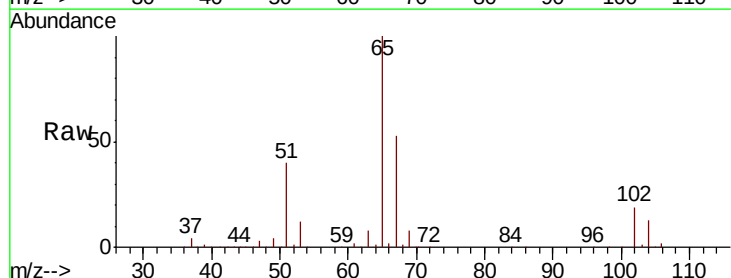
Instrument :
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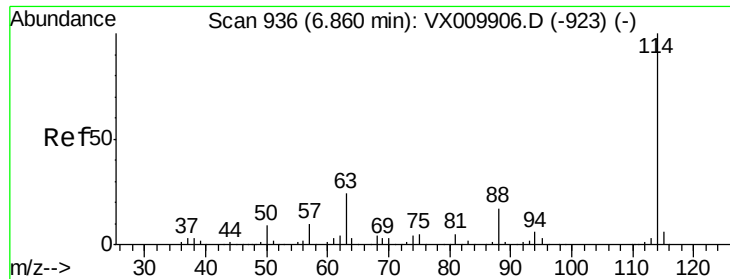
Tot Ion: 56 Resp: 3726
Ion Ratio Lower Upper
56 100
69 176.1 21.6 32.4#
84 142.4 56.8 85.2#



#33
1,2-Dichloroethane-d4
Concen: 48.637 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX009969.D
Acq: 30 May 2019 18:35

Tgt Ion: 65 Resp: 113068
Ion Ratio Lower Upper
65 100
67 53.1 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009969.D

Acq: 30 May 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

SUMP

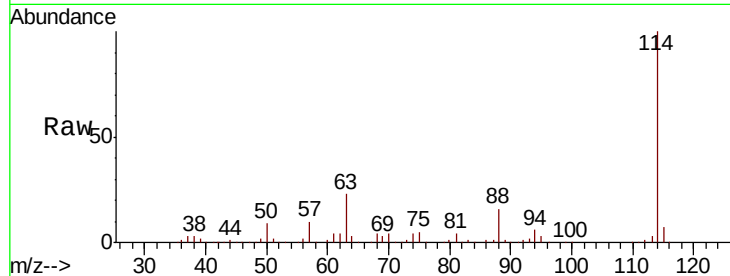
Tot Ion:114 Resp: 264129

Ion Ratio Lower Upper

114 100

63 23.1 0.0 47.4

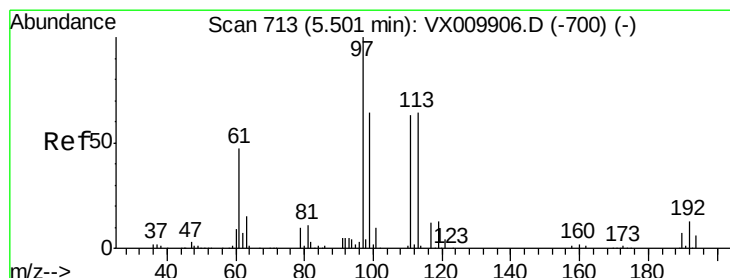
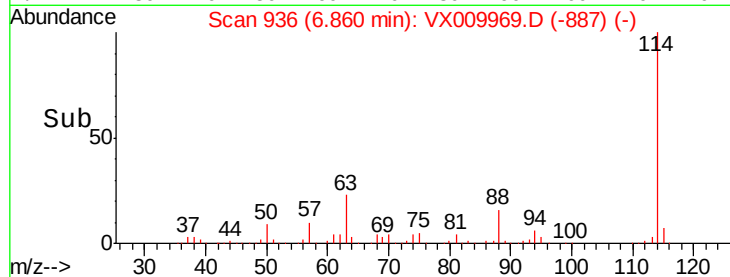
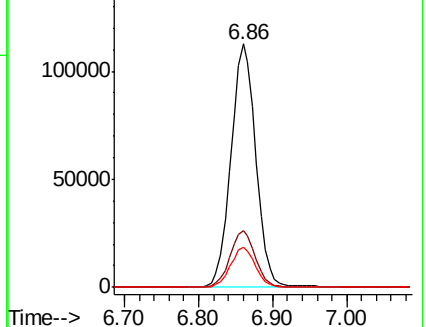
88 16.5 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.942 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009969.D

Acq: 30 May 2019 18:35

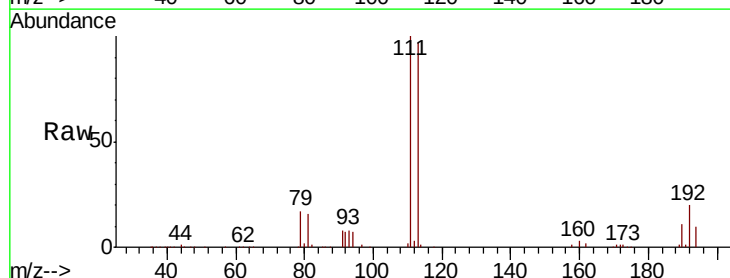
Tgt Ion:113 Resp: 82933

Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.2

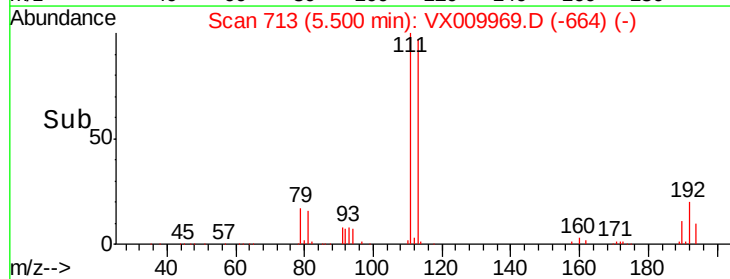
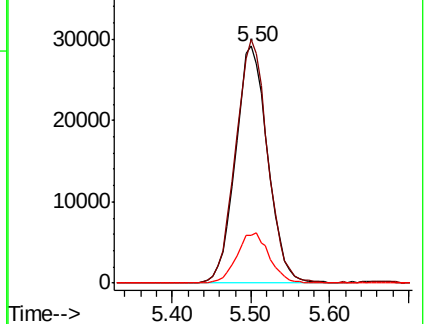
192 21.3 17.1 25.7

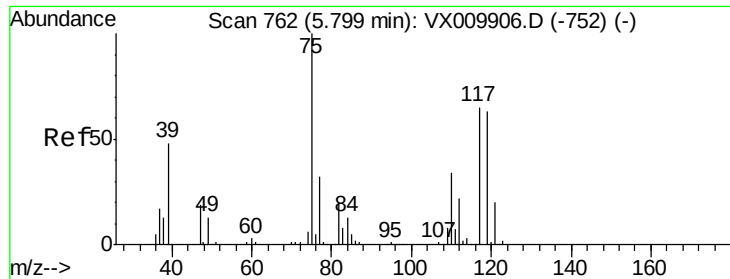


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

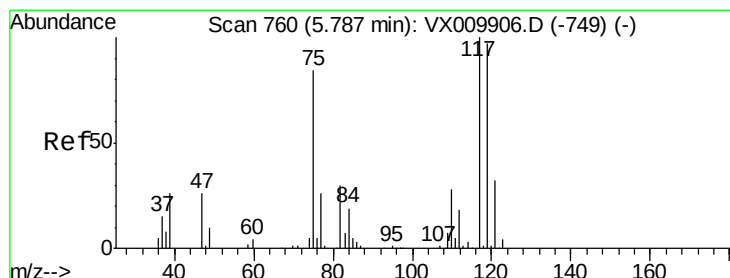
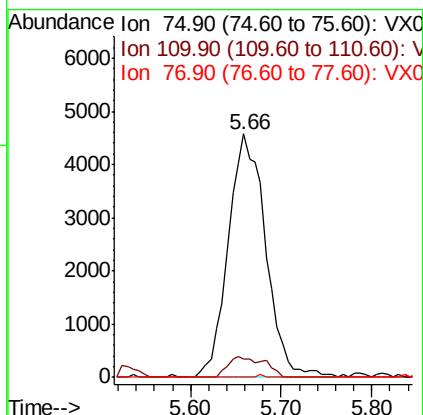
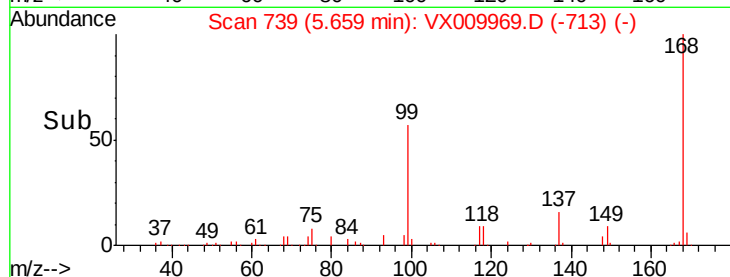
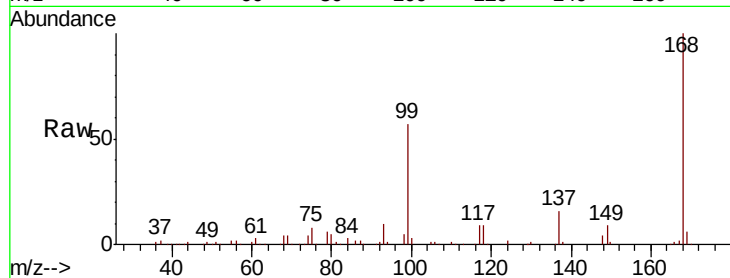




#36
 1,1-Dichloropropene
 Concen: 4.881 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009969.D
 Acq: 30 May 2019 18:35

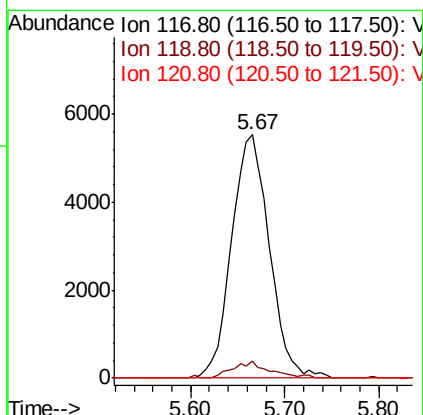
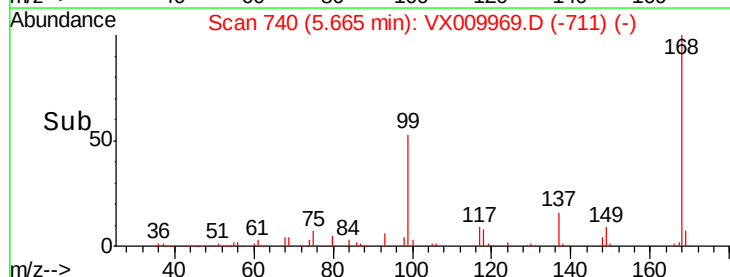
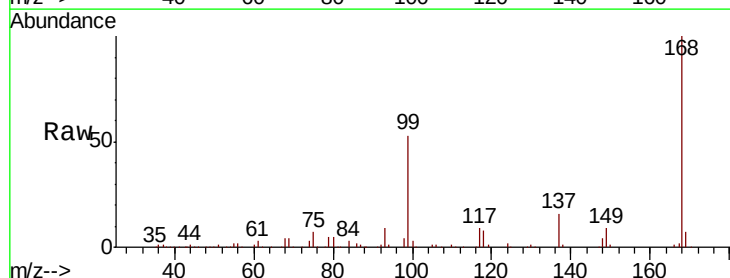
Instrument :
 MSVOA_X
 ClientSampleId :
 SUMP

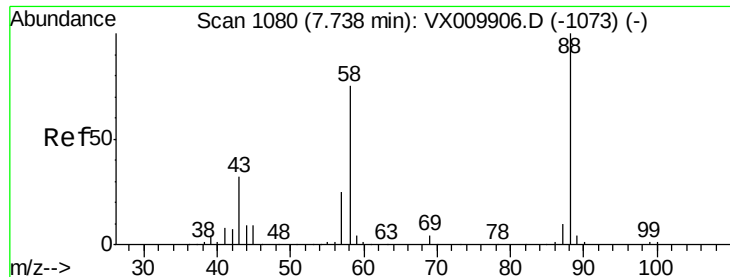
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.3	16.7	50.1#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.645 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX009969.D
 Acq: 30 May 2019 18:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.8	77.3	115.9#
121	0.0	25.4	38.0#





#49

1,4-Dioxane

Concen: 0.397 ug/l

RT: 7.65 min Scan# 1065

Delta R.T. -0.09 min

Lab File: VX009969.D

Acq: 30 May 2019 18:35

Instrument :

MSVOA_X

ClientSampled :

SUMP

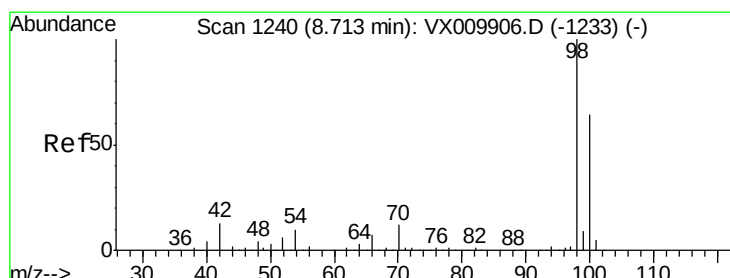
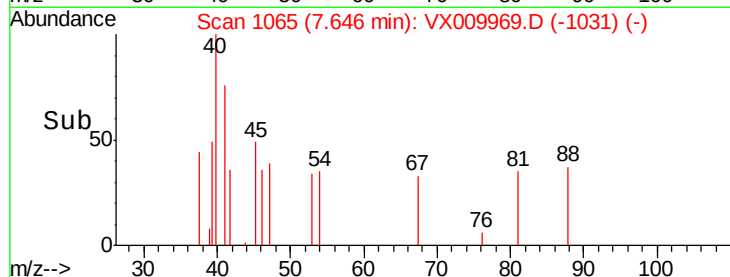
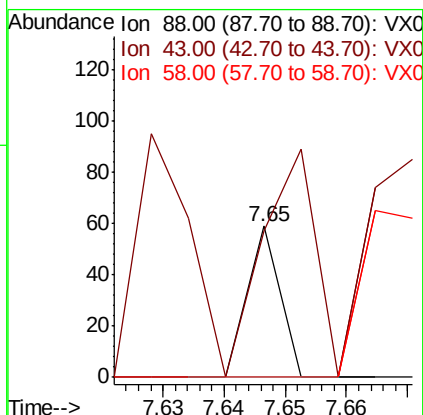
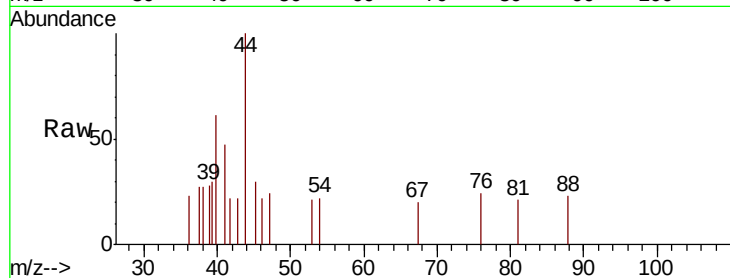
Tot Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 0.0 30.2 45.4#

58 0.0 64.0 96.0#



#50

Toluene-d8

Concen: 49.683 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009969.D

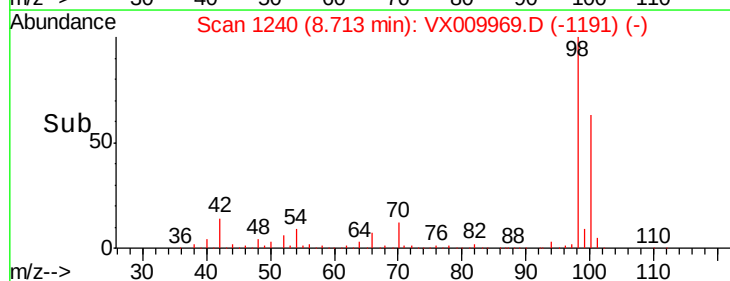
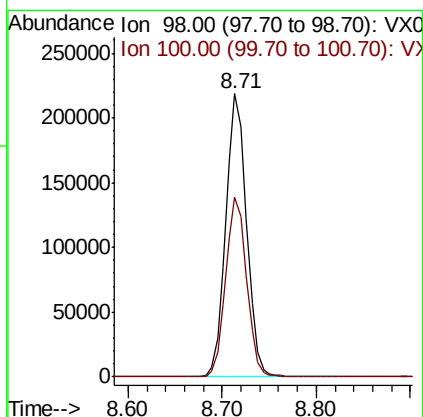
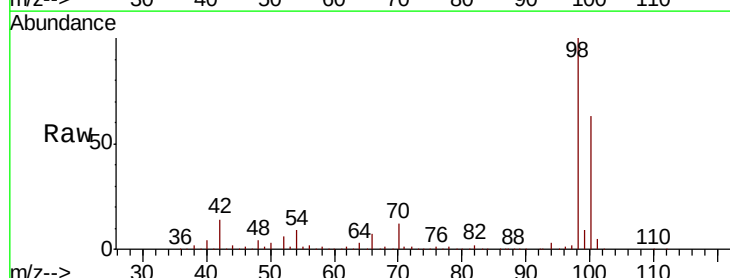
Acq: 30 May 2019 18:35

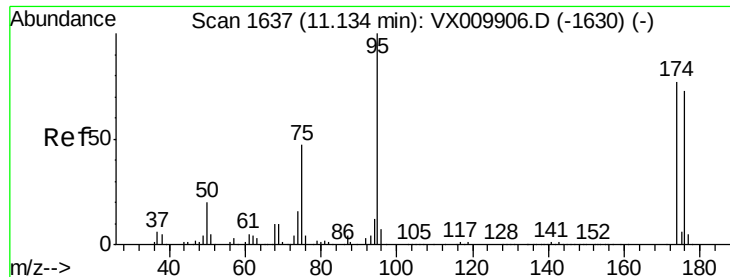
Tgt Ion: 98 Resp: 335025

Ion Ratio Lower Upper

98 100

100 64.1 51.5 77.3





#62

4-Bromofluorobenzene

Concen: 46.643 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009969.D

Acq: 30 May 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

SUMP

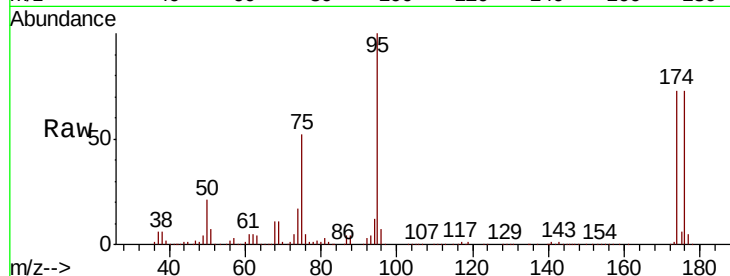
Tot Ion: 95 Resp: 112972

Ion Ratio Lower Upper

95 100

174 79.8 0.0 160.4

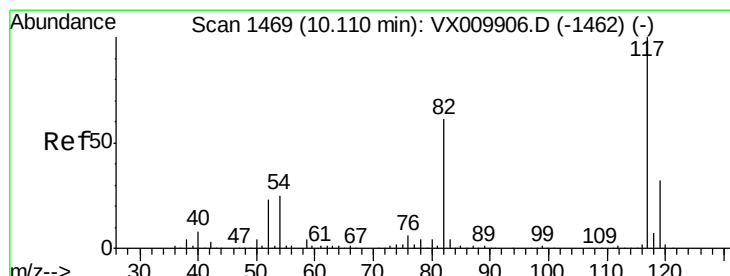
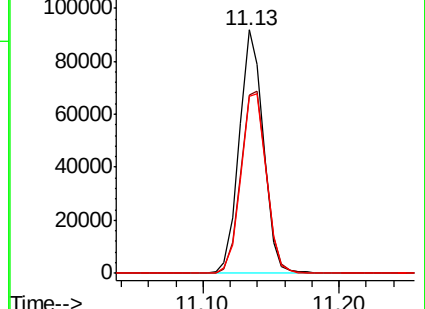
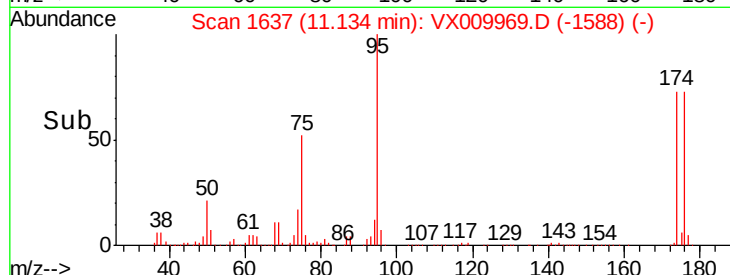
176 78.3 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX009969.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009969.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009969.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009969.D

Acq: 30 May 2019 18:35

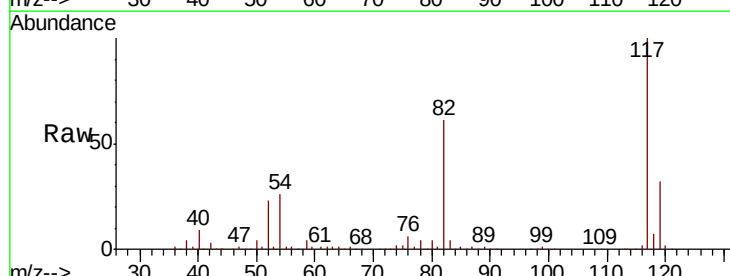
Tgt Ion: 117 Resp: 238550

Ion Ratio Lower Upper

117 100

82 61.2 49.2 73.8

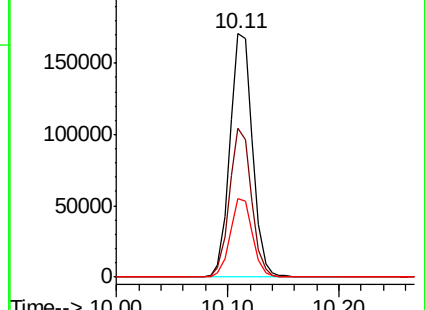
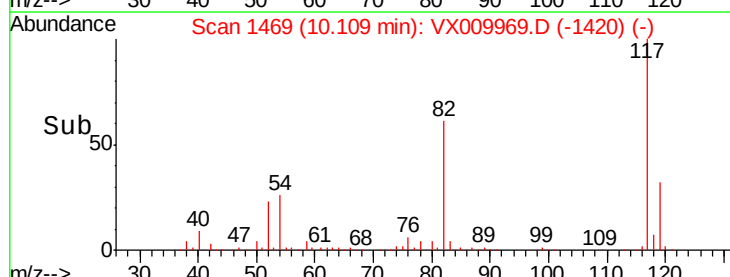
119 32.3 25.2 37.8

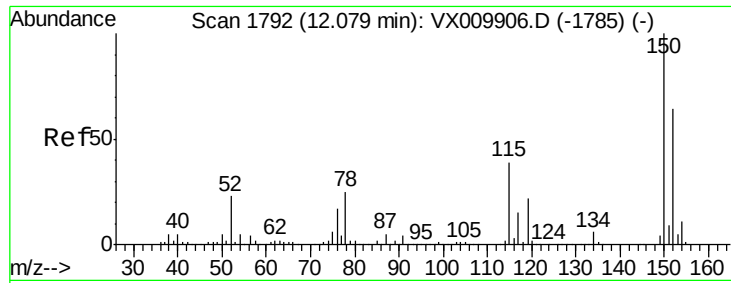


Abundance Ion 116.90 (116.60 to 117.60): VX009969.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009969.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009969.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009969.D

Acq: 30 May 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

SUMP

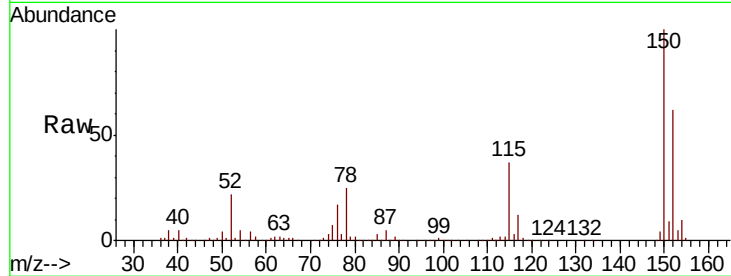
Tot Ion:152 Resp: 100791

Ion Ratio Lower Upper

152 100

115 60.0 41.4 124.2

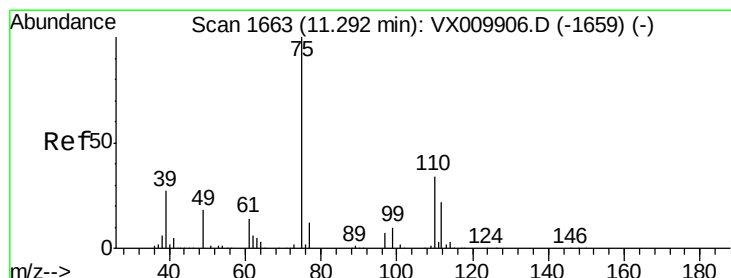
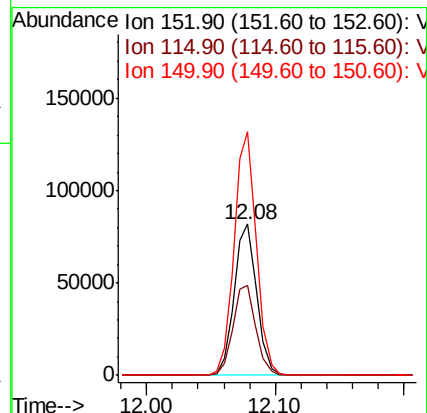
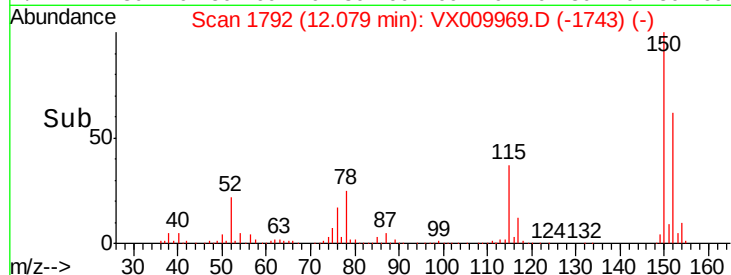
150 158.5 0.0 345.2



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: 24.475 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009969.D

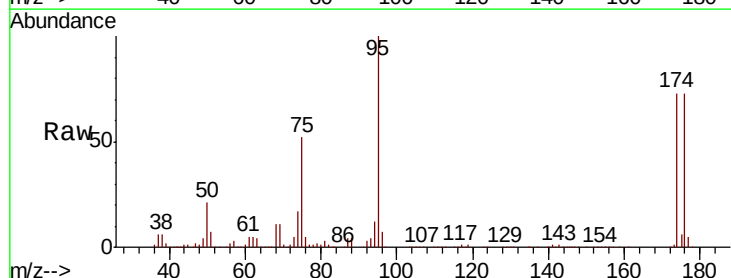
Acq: 30 May 2019 18:35

Tgt Ion: 75 Resp: 58991

Ion Ratio Lower Upper

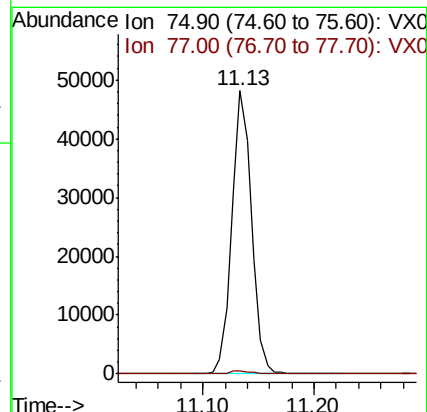
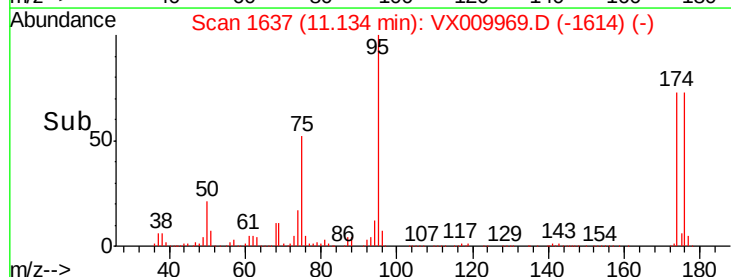
75 100

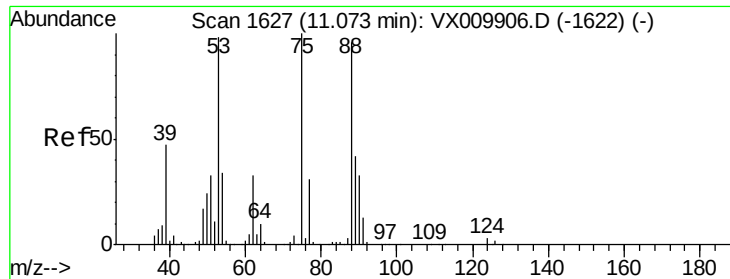
77 1.3 22.1 66.1#



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: 60.556 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009969.D

Acq: 30 May 2019 18:35

Instrument :

MSVOA_X

ClientSampleId :

SUMP

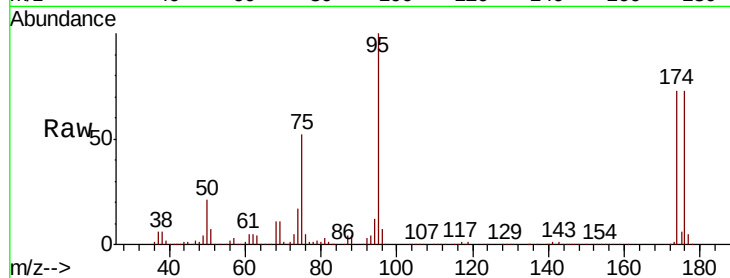
Tot Ion: 75 Resp: 58991

Ion Ratio Lower Upper

75 100

53 0.3 79.8 119.6#

89 0.0 34.2 51.4#



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

