

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX053119\
 Data File : VX009994.D
 Acq On : 31 May 2019 18:44
 Operator : JC/SP
 Sample : K3129-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW026-190528

Quant Time: Jun 01 04:45:09 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	5.66	168	179074	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	291495	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	263977	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	118311	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	122087	48.26	ug/l	0.00
Spiked Amount			Recovery	=	96.52%	
35) Dibromofluoromethane	5.50	113	90305	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	
50) Toluene-d8	8.71	98	368972	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
62) 4-Bromofluorobenzene	11.13	95	127121	47.56	ug/l	0.00
Spiked Amount			Recovery	=	95.12%	

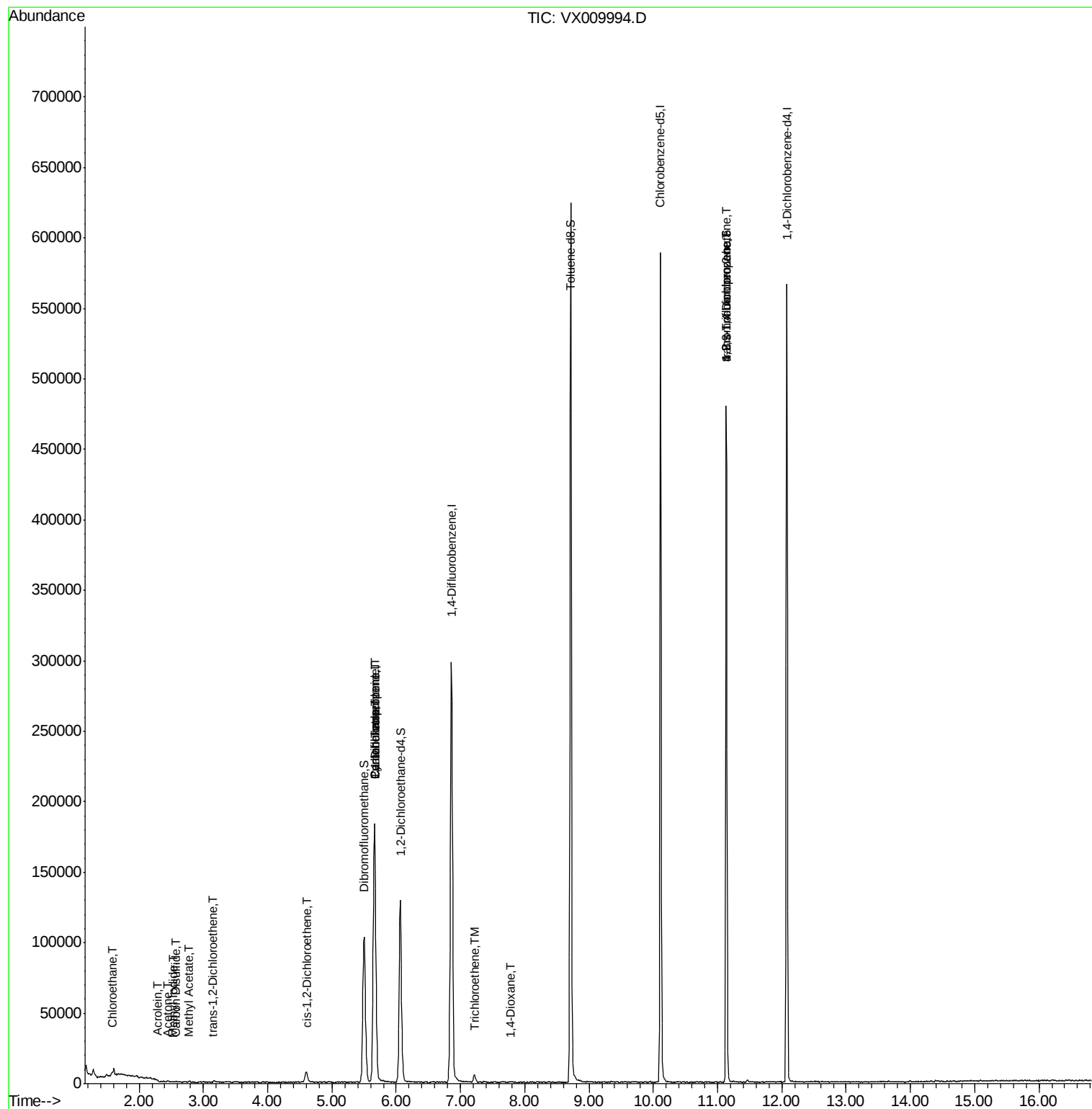
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.58	64	4794	2.937	ug/l #	57
10) Methyl Iodide	2.53	142	19	4.665	ug/l #	42
13) Acrolein	2.29	56	45	21.190	ug/l #	1
16) Acetone	2.45	43	690	0.472	ug/l #	72
17) Carbon Disulfide	2.57	76	462	0.468	ug/l #	76
18) Methyl Acetate	2.78	43	1066	0.313	ug/l #	70
21) trans-1,2-Dichloroethene	3.16	96	436	0.216	ug/l #	53
27) cis-1,2-Dichloroethene	4.60	96	4596	1.973	ug/l	86
31) Cyclohexane	5.66	56	4308	1.119	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14407	4.871	ug/l #	49
38) Carbon Tetrachloride	5.66	117	16935	6.626	ug/l #	16
44) Trichloroethene	7.21	130	1839	0.863	ug/l	93
49) 1,4-Dioxane	7.77	88	20	0.327	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	64575	22.825	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	64575	56.472	ug/l #	10

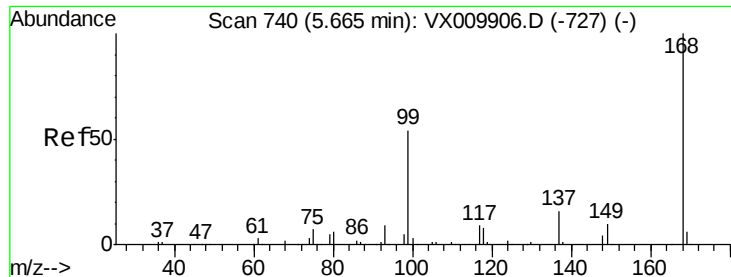
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
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: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009994.D

Acq: 31 May 2019 18:44

Instrument :

MSVOA_X

ClientSampleId :

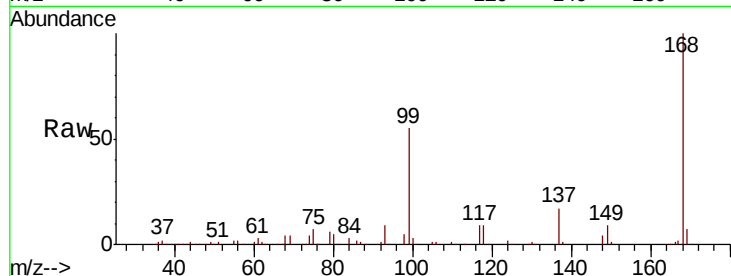
LF012MW026-190528

Tot Ion:168 Resp: 179074

Ion Ratio Lower Upper

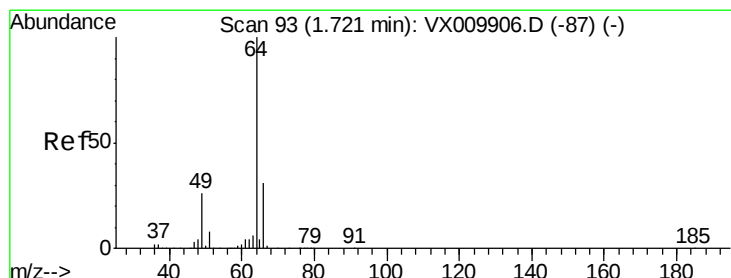
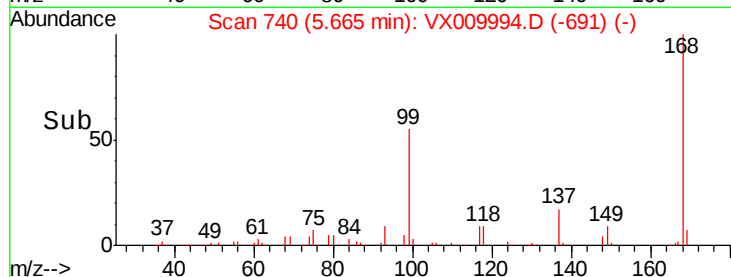
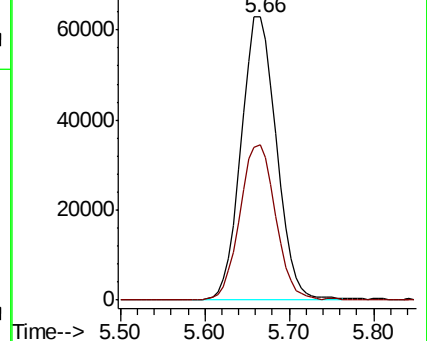
168 100

99 55.1 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 2.937 ug/l

RT: 1.58 min Scan# 70

Delta R.T. -0.14 min

Lab File: VX009994.D

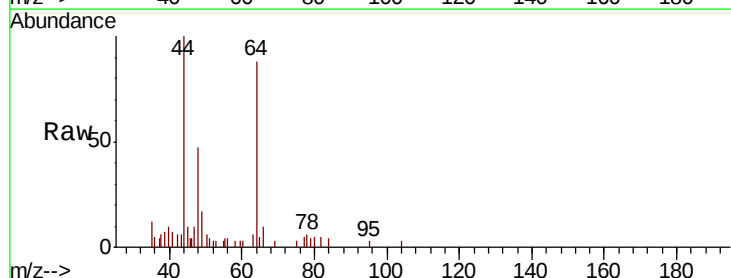
Acq: 31 May 2019 18:44

Tgt Ion: 64 Resp: 4794

Ion Ratio Lower Upper

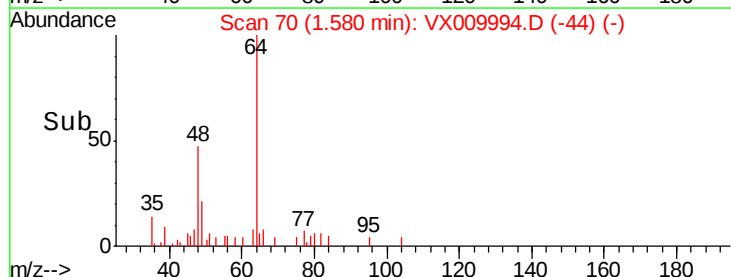
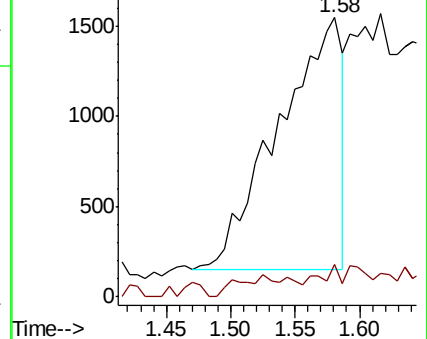
64 100

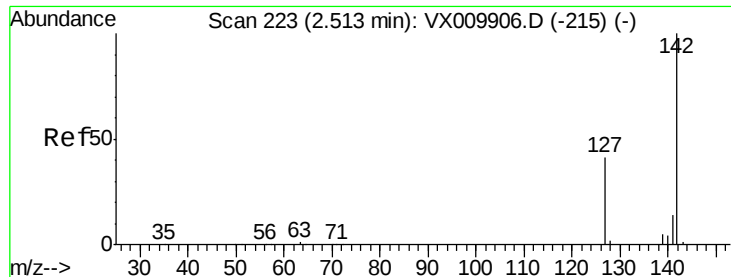
66 7.7 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

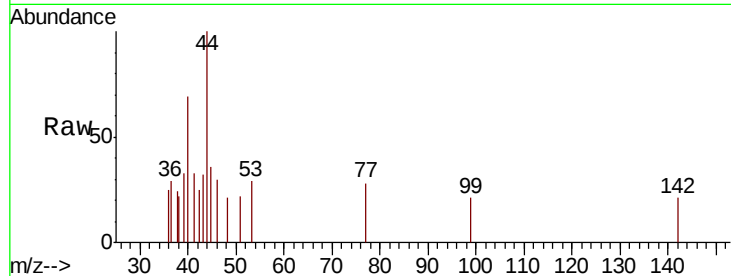




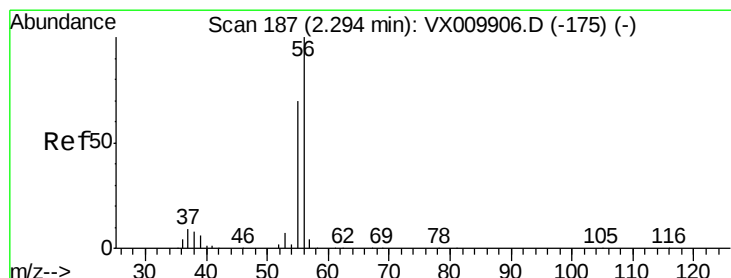
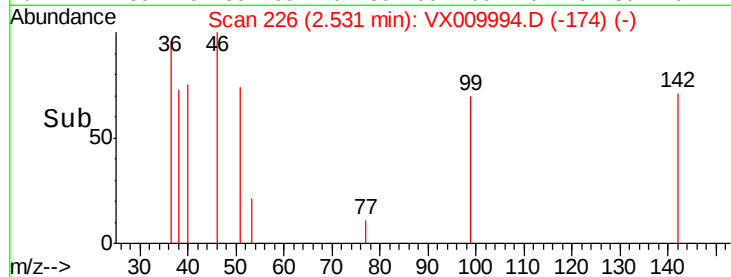
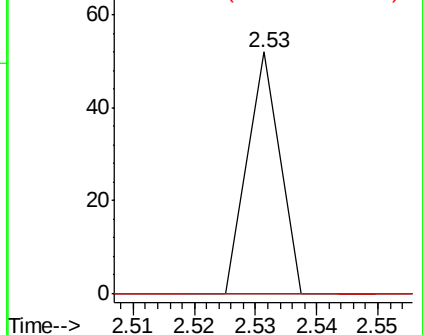
#10
Methyl Iodide
Concen: 4.665 ug/l
RT: 2.53 min Scan# 226
Delta R.T. 0.02 min
Lab File: VX009994.D
Acq: 31 May 2019 18:44

Instrument :
MSVOA_X
ClientSampleId :
LF012MW026-190528

Tot Ion:142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 33.0 49.4#
141 0.0 11.4 17.0#

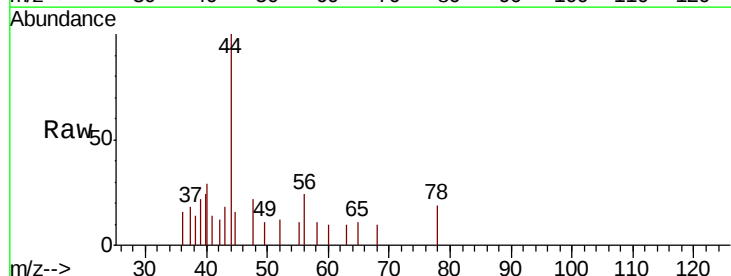


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

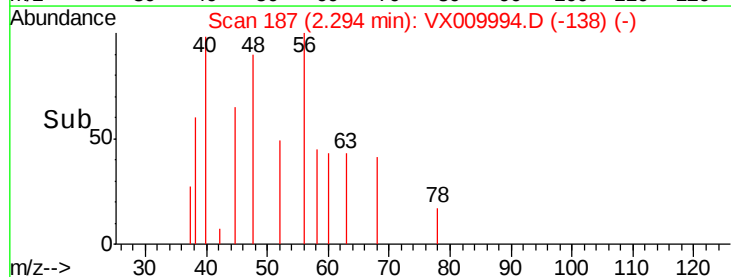
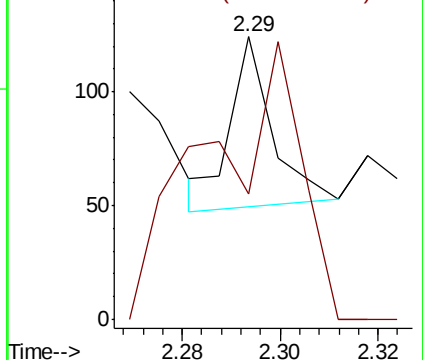


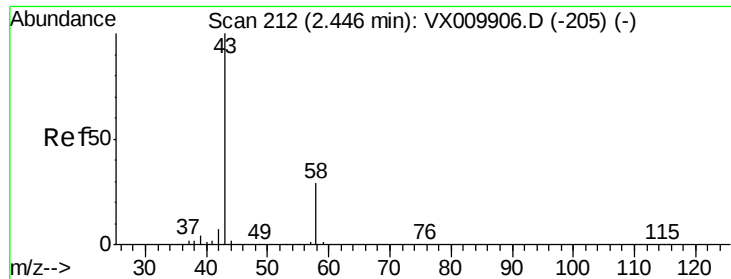
#13
Acrolein
Concen: 21.190 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009994.D
Acq: 31 May 2019 18:44

Tgt Ion: 56 Resp: 45
Ion Ratio Lower Upper
56 100
55 360.0 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 0.472 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009994.D

Acq: 31 May 2019 18:44

Instrument :

MSVOA_X

ClientSampleId :

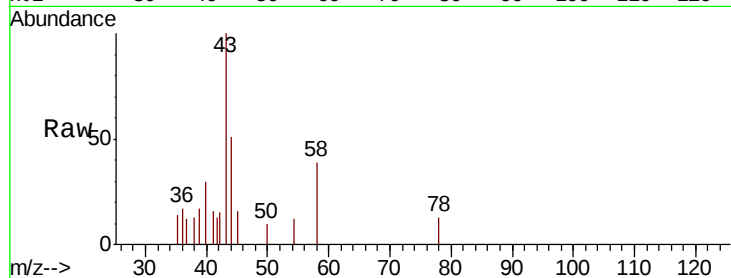
LF012MW026-190528

Tot Ion: 43 Resp: 690

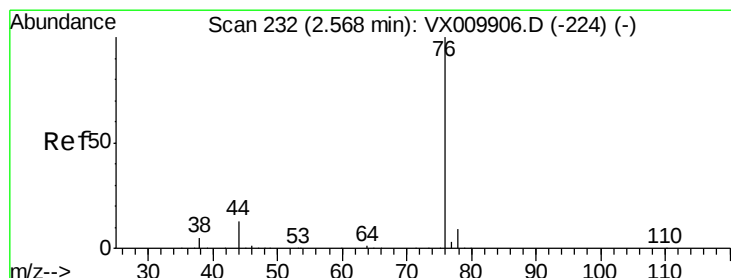
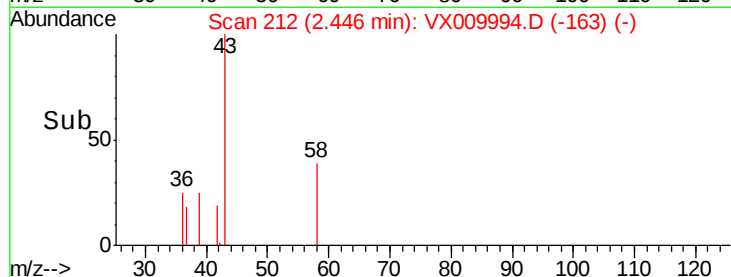
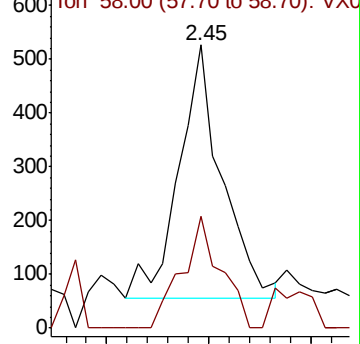
Ion Ratio Lower Upper

43 100

58 43.9 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0



#17

Carbon Disulfide

Concen: 0.468 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009994.D

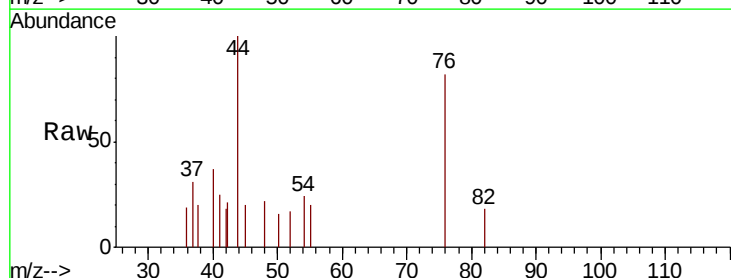
Acq: 31 May 2019 18:44

Tgt Ion: 76 Resp: 462

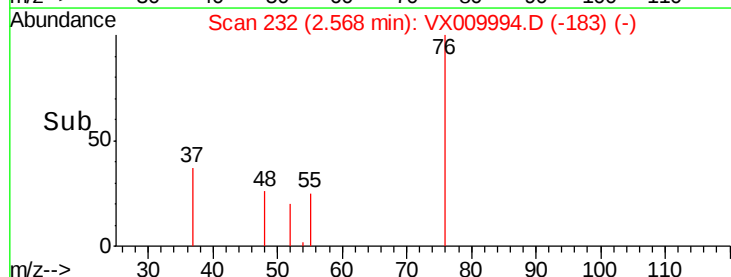
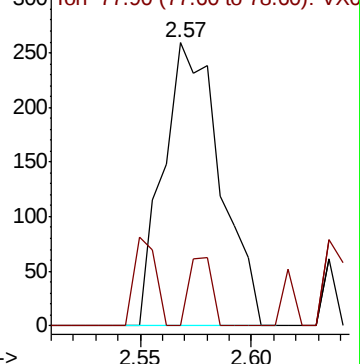
Ion Ratio Lower Upper

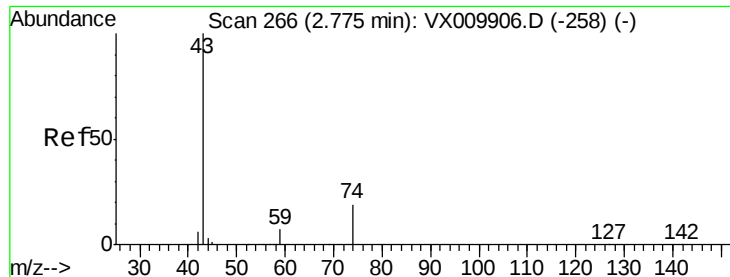
76 100

78 0.0 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

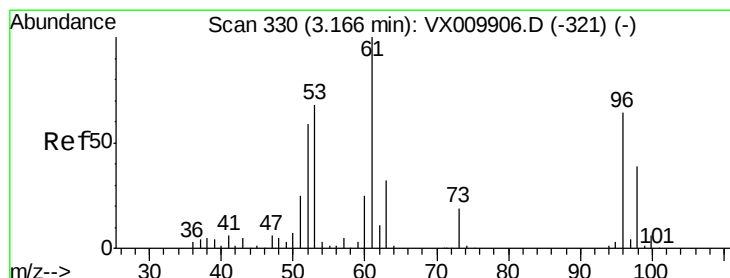
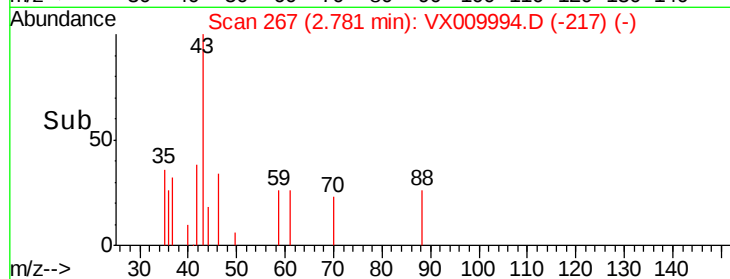
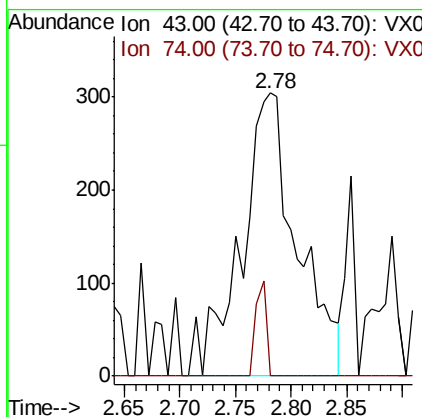
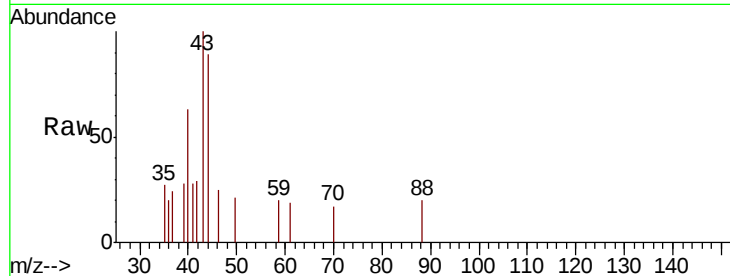




#18
Methvl Acetate
Concen: 0.313 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX009994.D
Acq: 31 May 2019 18:44

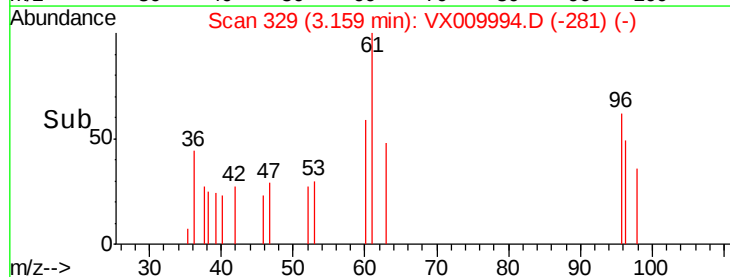
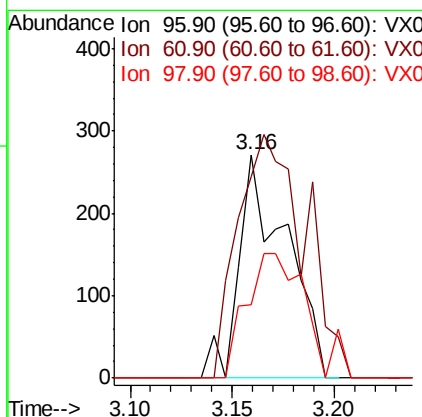
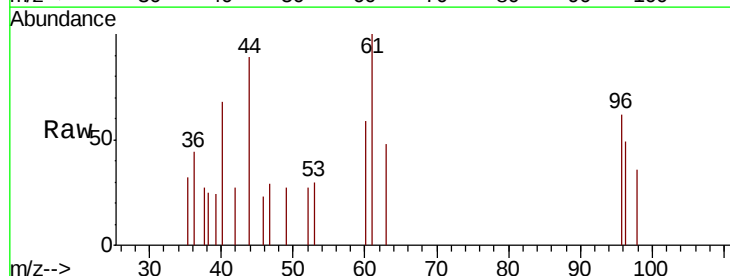
Instrument :
MSVOA_X
ClientSampleId :
LF012MW026-190528

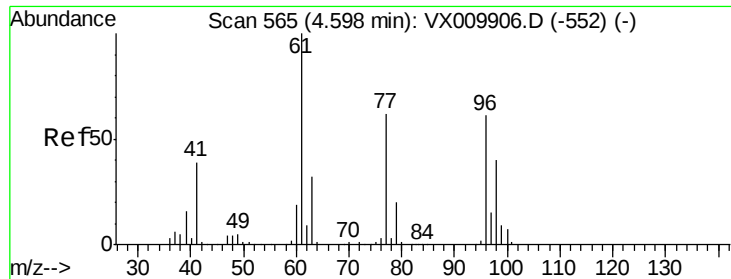
Tot Ion: 43 Resp: 1066
Ion Ratio Lower Upper
43 100
74 6.1 15.8 23.6#



#21
trans-1,2-Dichloroethene
Concen: 0.216 ug/l
RT: 3.16 min Scan# 329
Delta R.T. -0.01 min
Lab File: VX009994.D
Acq: 31 May 2019 18:44

Tgt Ion: 96 Resp: 436
Ion Ratio Lower Upper
96 100
61 90.0 125.7 188.5#
98 32.8 49.0 73.6#



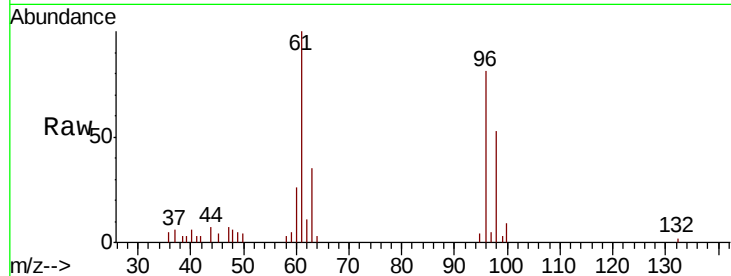


#27

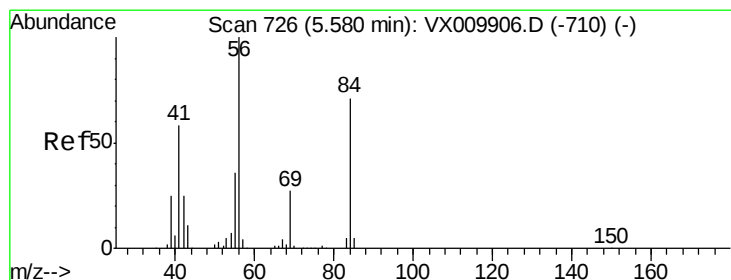
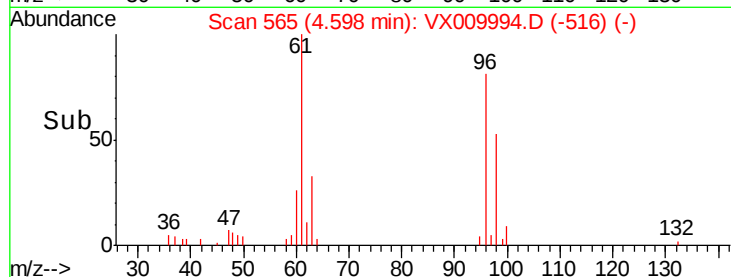
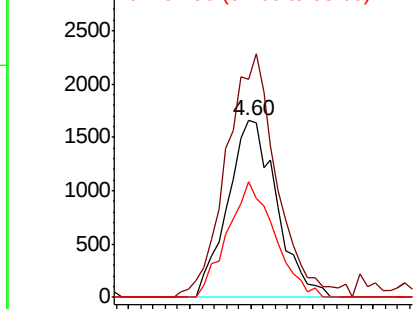
cis-1,2-Dichloroethene
 Concen: 1.973 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX009994.D
 Acq: 31 May 2019 18:44

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW026-190528

Tot Ion: 96 Resp: 4596
 Ion Ratio Lower Upper
 96 100
 61 141.8 0.0 334.0
 98 63.0 0.0 131.6



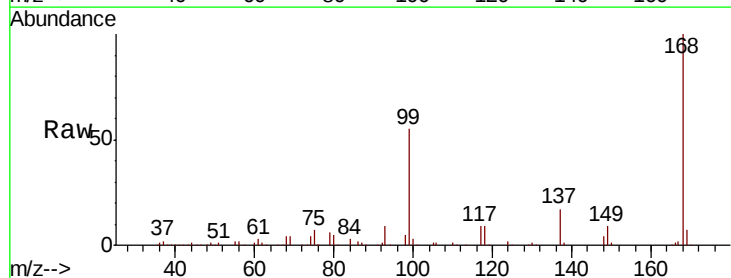
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



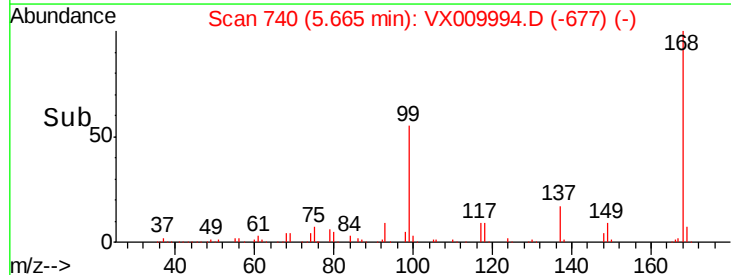
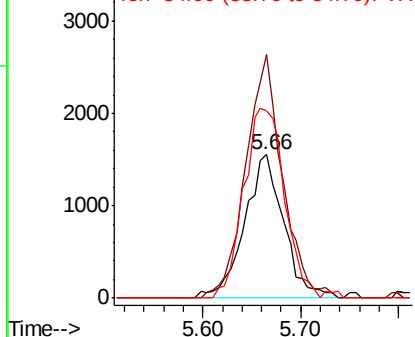
#31

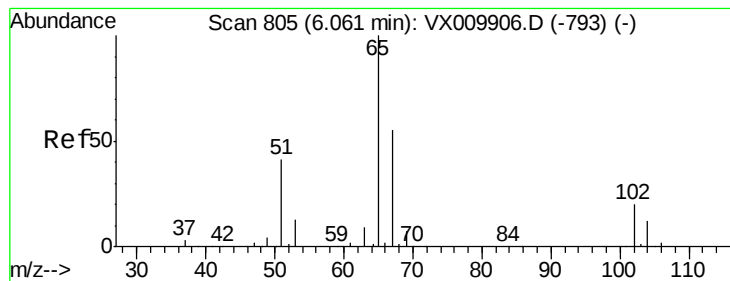
Cyclohexane
 Concen: 1.119 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. 0.09 min
 Lab File: VX009994.D
 Acq: 31 May 2019 18:44

Tgt Ion: 56 Resp: 4308
 Ion Ratio Lower Upper
 56 100
 69 169.6 21.6 32.4#
 84 130.8 56.8 85.2#



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: 48.264 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009994.D

Acq: 31 May 2019 18:44

Instrument :

MSVOA_X

ClientSampleId :

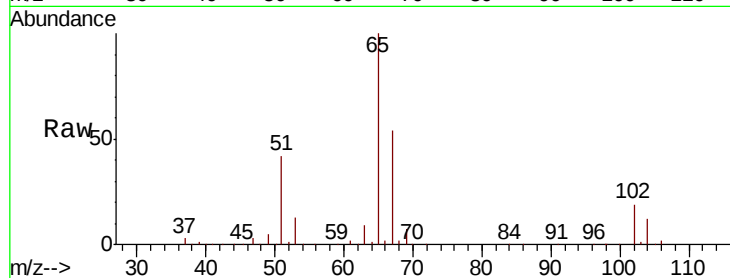
LF012MW026-190528

Tot Ion: 65 Resp: 122087

Ion Ratio Lower Upper

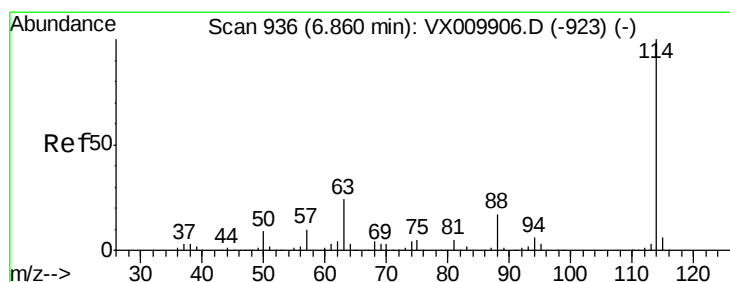
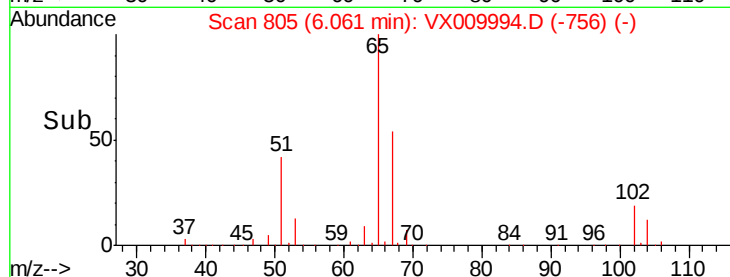
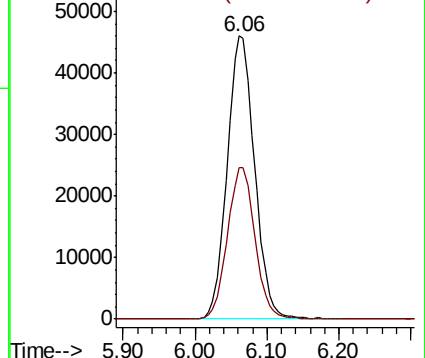
65 100

67 53.8 0.0 108.4



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: VX009994.D

Acq: 31 May 2019 18:44

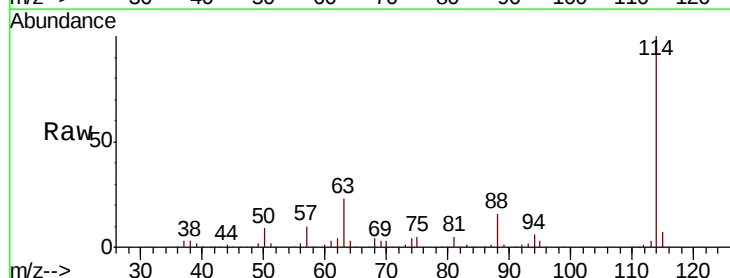
Tgt Ion: 114 Resp: 291495

Ion Ratio Lower Upper

114 100

63 22.9 0.0 47.4

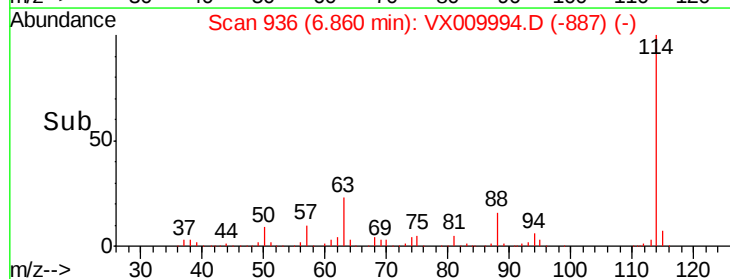
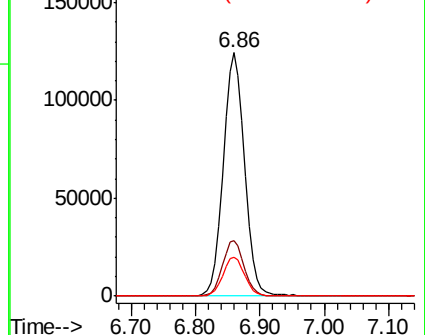
88 16.2 0.0 33.0

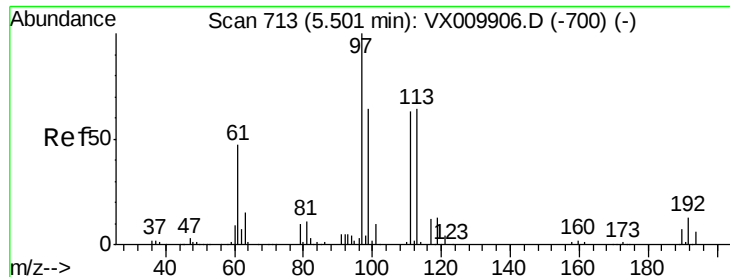


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.276 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009994.D

Acq: 31 May 2019 18:44

Instrument :

MSVOA_X

ClientSampleId :

LF012MW026-190528

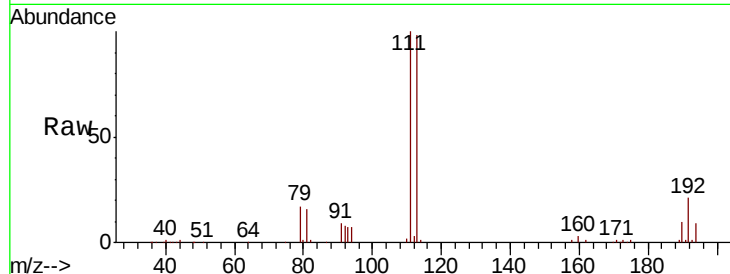
Tot Ion:113 Resp: 90305

Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.2

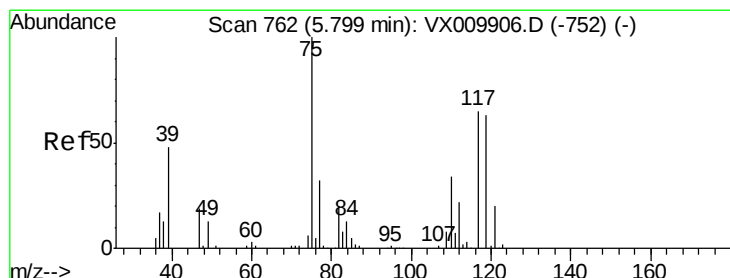
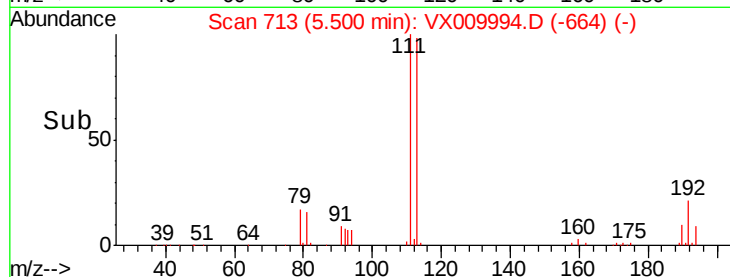
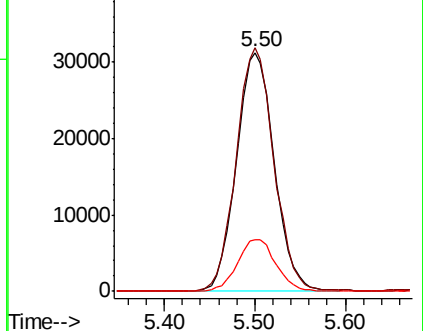
192 22.0 17.1 25.7



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: 4.871 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009994.D

Acq: 31 May 2019 18:44

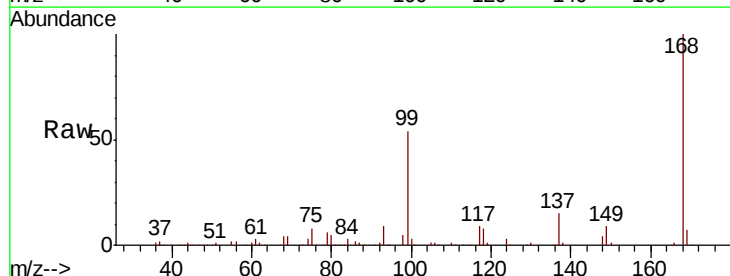
Tgt Ion: 75 Resp: 14407

Ion Ratio Lower Upper

75 100

110 7.9 16.7 50.1#

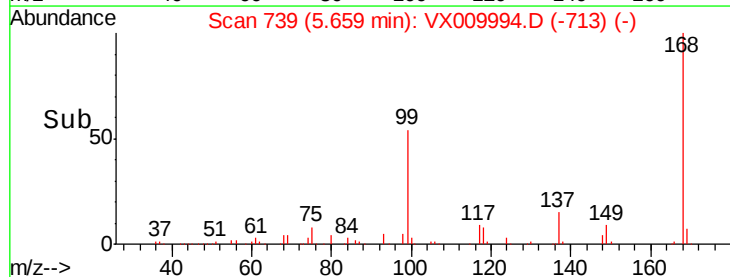
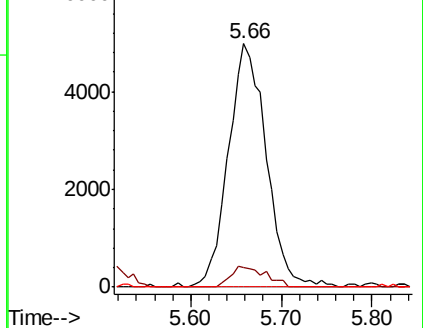
77 0.0 25.0 37.4#

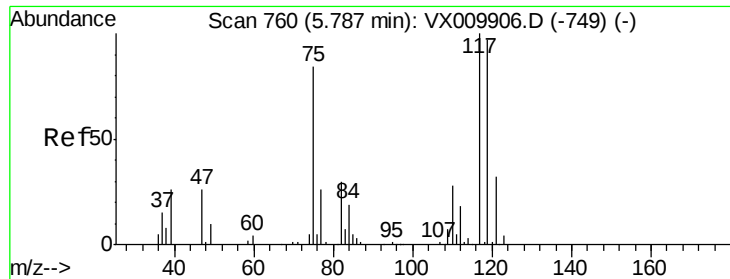


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.626 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009994.D

Acq: 31 May 2019 18:44

Instrument :

MSVOA_X

ClientSampleId :

LF012MW026-190528

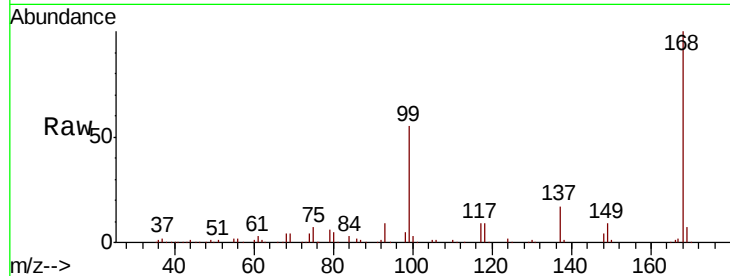
Tot Ion:117 Resp: 16935

Ion Ratio Lower Upper

117 100

119 5.1 77.3 115.9#

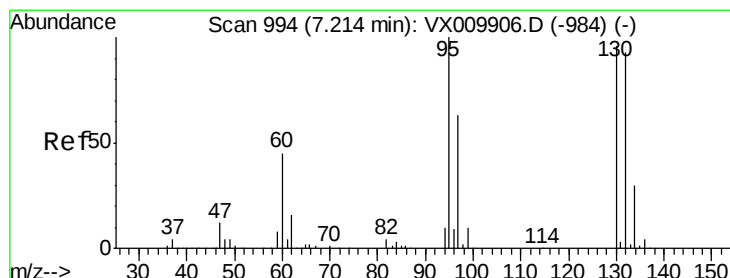
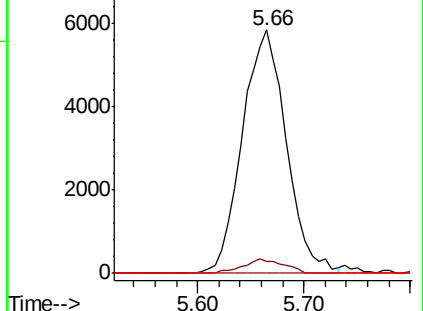
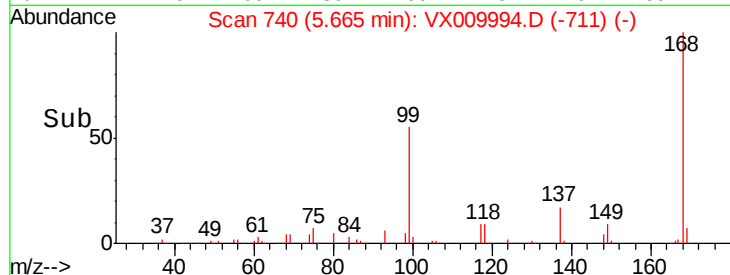
121 0.0 25.4 38.0#



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



#44

Trichloroethene

Concen: 0.863 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX009994.D

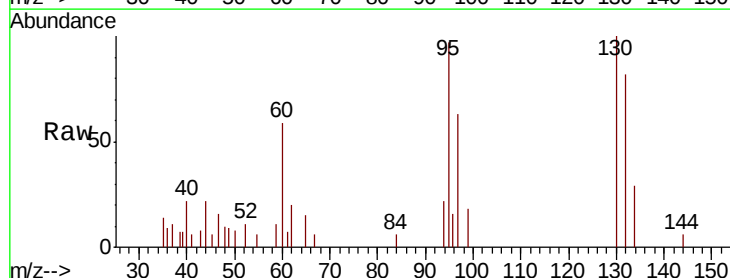
Acq: 31 May 2019 18:44

Tgt Ion:130 Resp: 1839

Ion Ratio Lower Upper

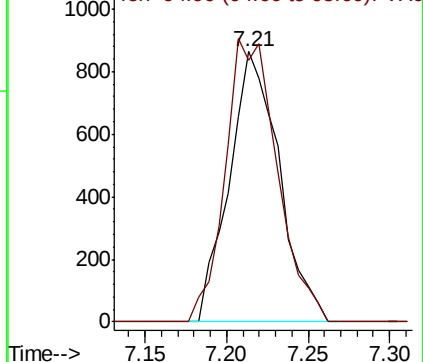
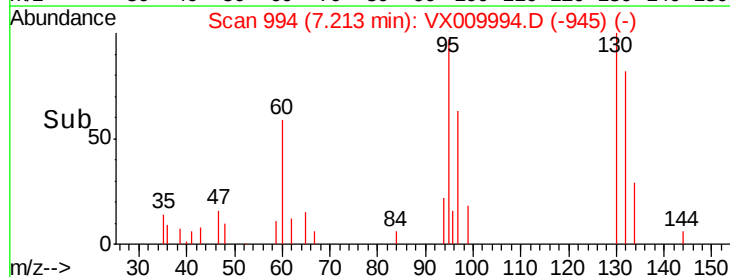
130 100

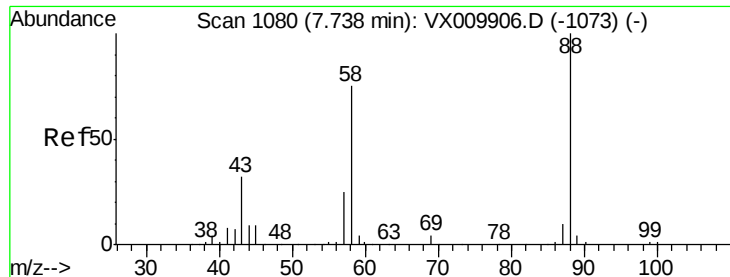
95 96.8 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 0.327 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.03 min

Lab File: VX009994.D

Acq: 31 May 2019 18:44

Instrument :

MSVOA_X

ClientSampleId :

LF012MW026-190528

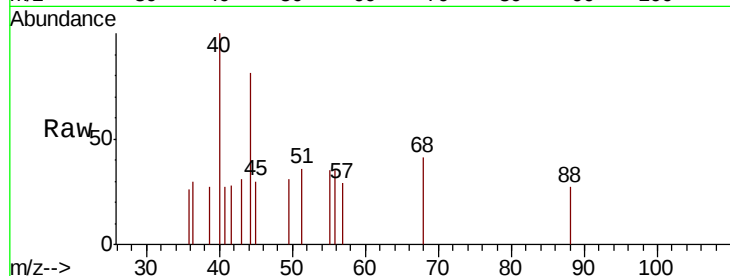
Tot Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 540.0 30.2 45.4#

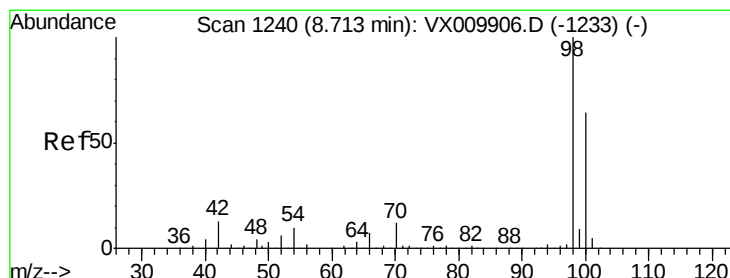
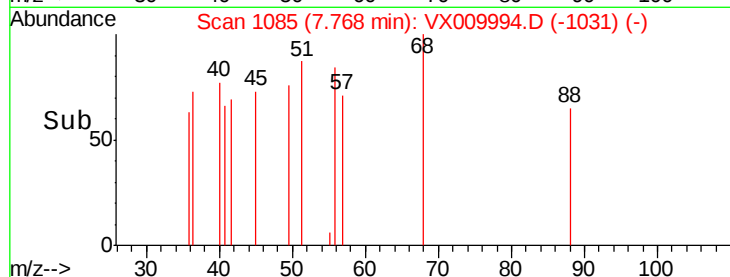
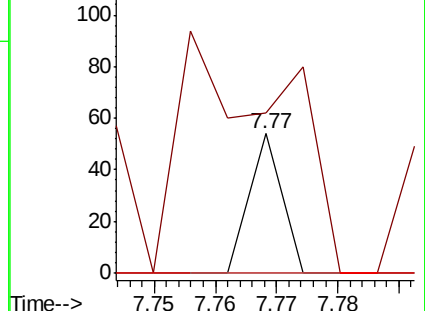
58 0.0 64.0 96.0#



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: 49.580 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009994.D

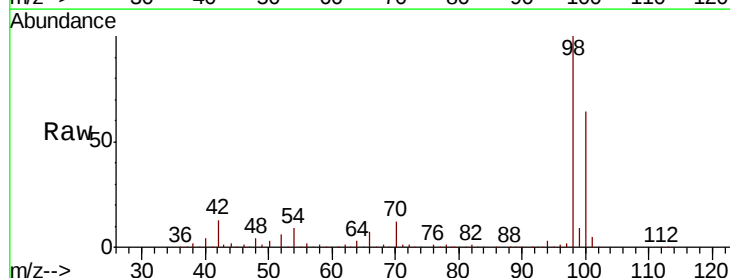
Acq: 31 May 2019 18:44

Tgt Ion: 98 Resp: 368972

Ion Ratio Lower Upper

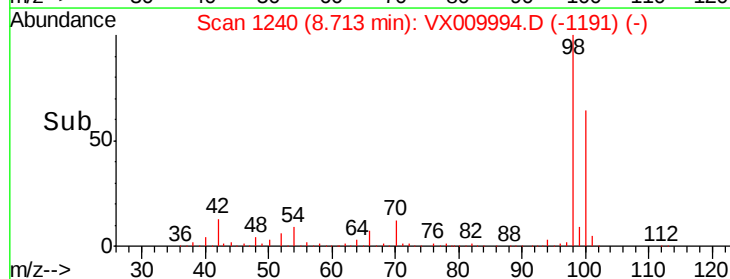
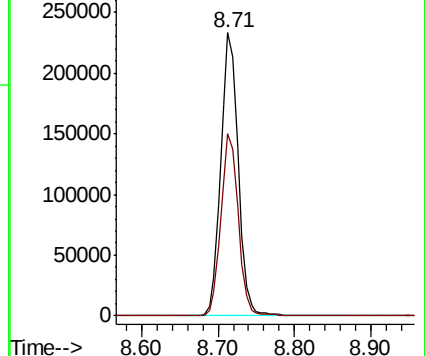
98 100

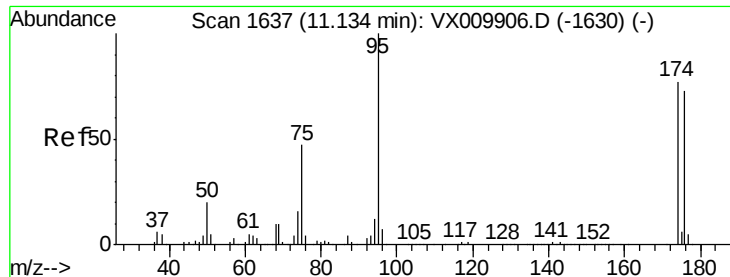
100 64.3 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 47.557 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009994.D

Acq: 31 May 2019 18:44

Instrument :

MSVOA_X

ClientSampleId :

LF012MW026-190528

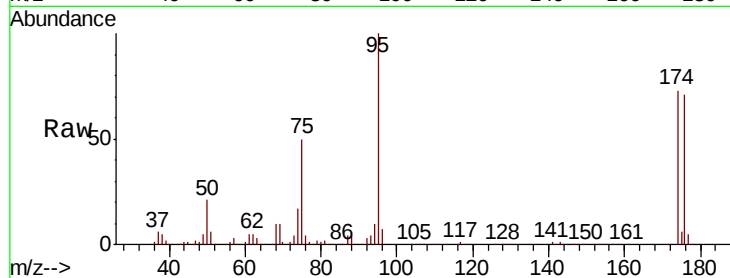
Tot Ion: 95 Resp: 127121

Ion Ratio Lower Upper

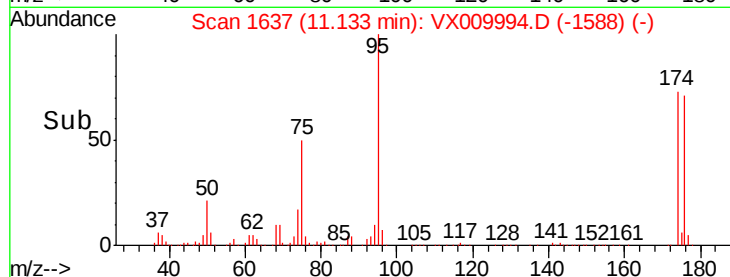
95 100

174 81.5 0.0 160.4

176 78.7 0.0 154.6

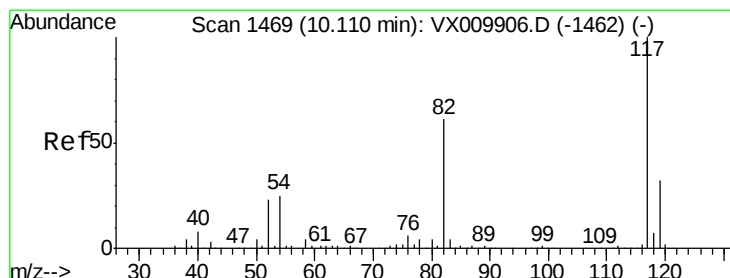
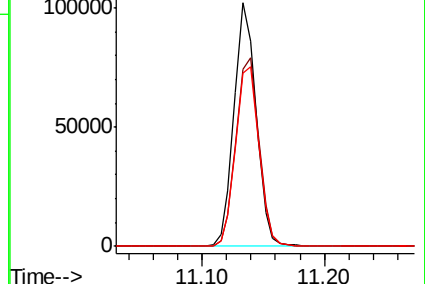


Abundance Ion 94.90 (94.60 to 95.60): VX009994.D (-1588) (-)



Ion 173.80 (173.50 to 174.50): VX009994.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009994.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009994.D

Acq: 31 May 2019 18:44

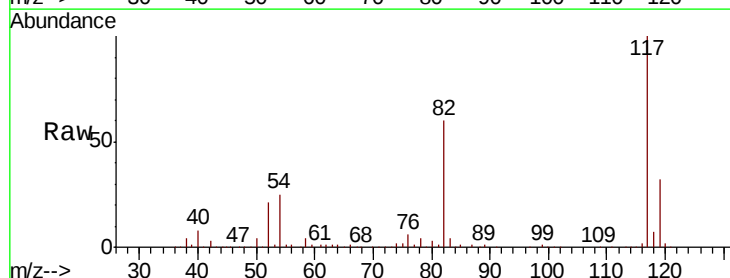
Tgt Ion: 117 Resp: 263977

Ion Ratio Lower Upper

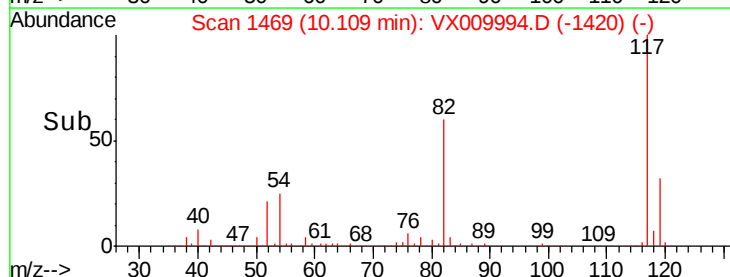
117 100

82 59.6 49.2 73.8

119 31.8 25.2 37.8

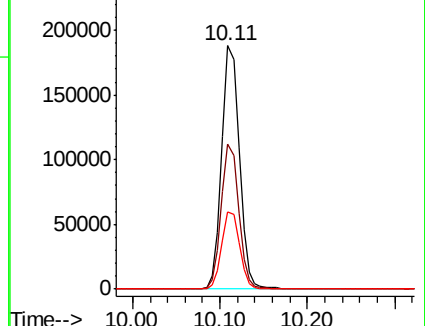


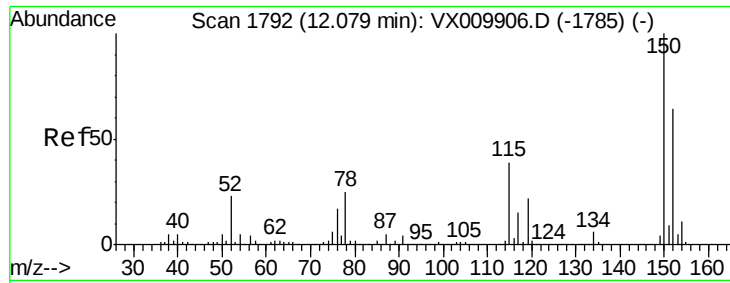
Abundance Ion 116.90 (116.60 to 117.60): VX009994.D (-1420) (-)



Ion 82.00 (81.70 to 82.70): VX009994.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009994.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: VX009994.D

Acq: 31 May 2019 18:44

Instrument :

MSVOA_X

ClientSampleId :

LF012MW026-190528

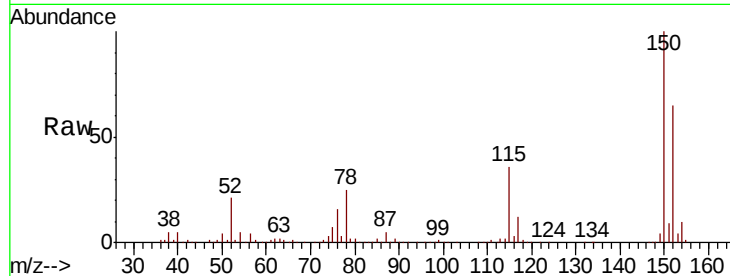
Tot Ion:152 Resp: 118311

Ion Ratio Lower Upper

152 100

115 58.2 41.4 124.2

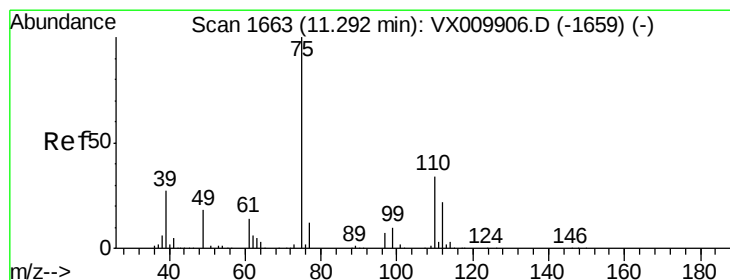
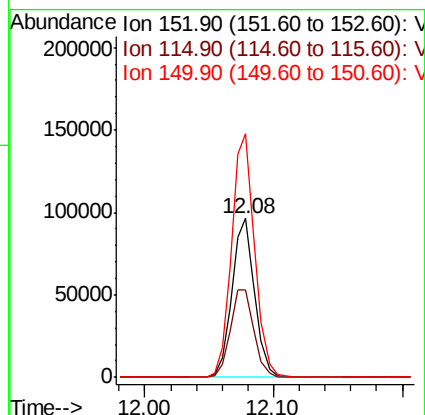
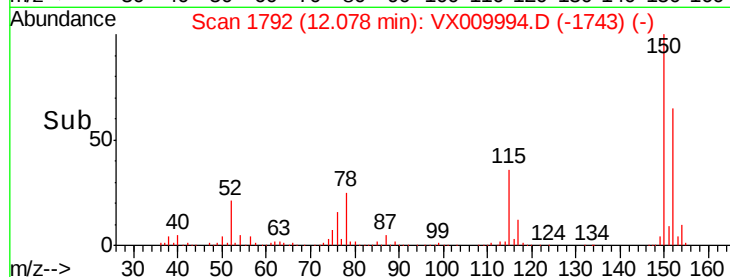
150 156.1 0.0 345.2



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: 22.825 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009994.D

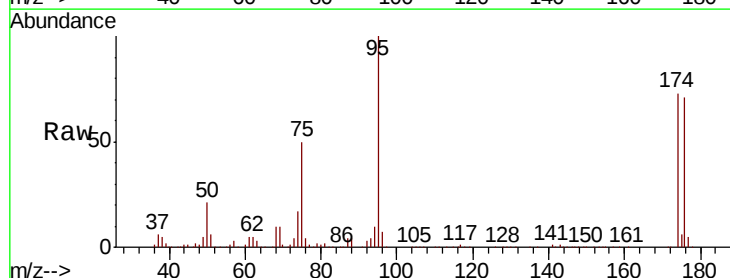
Acq: 31 May 2019 18:44

Tgt Ion: 75 Resp: 64575

Ion Ratio Lower Upper

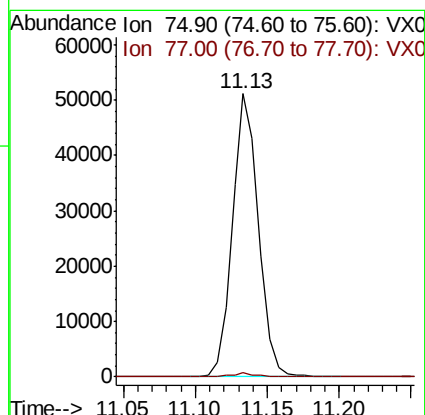
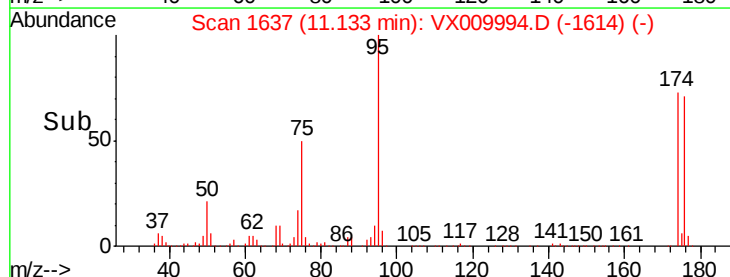
75 100

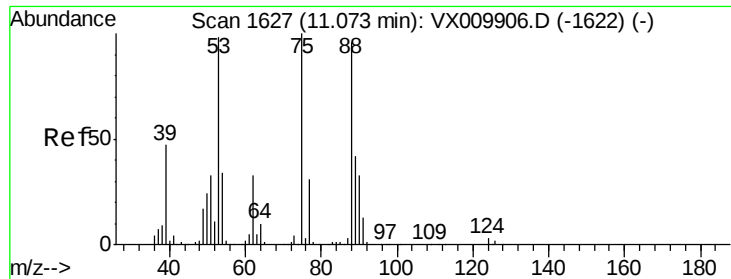
77 1.3 22.1 66.1#



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: 56.472 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009994.D

Acq: 31 May 2019 18:44

Instrument :

MSVOA_X

ClientSampleId :

LF012MW026-190528

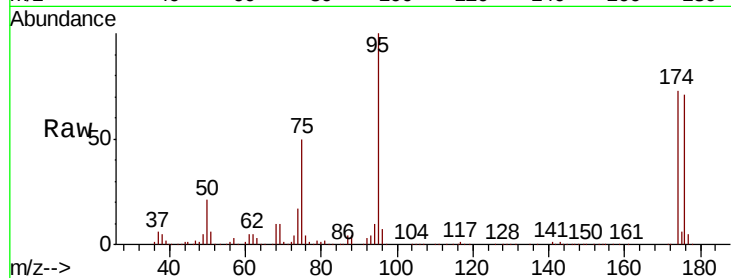
Tot Ion: 75 Resp: 64575

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

