

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050919\
 Data File : VX009461.D
 Acq On : 10 May 2019 04:59
 Operator : JC/SP
 Sample : K2782-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 10 07:13:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	188913	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	302967	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	265290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	112641	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	123909	48.05	ug/l	0.00
Spiked Amount			Recovery	=	96.10%	
35) Dibromofluoromethane	5.50	113	91935	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
50) Toluene-d8	8.71	98	376963	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	
62) 4-Bromofluorobenzene	11.13	95	123890	44.34	ug/l	0.00
Spiked Amount			Recovery	=	88.68%	

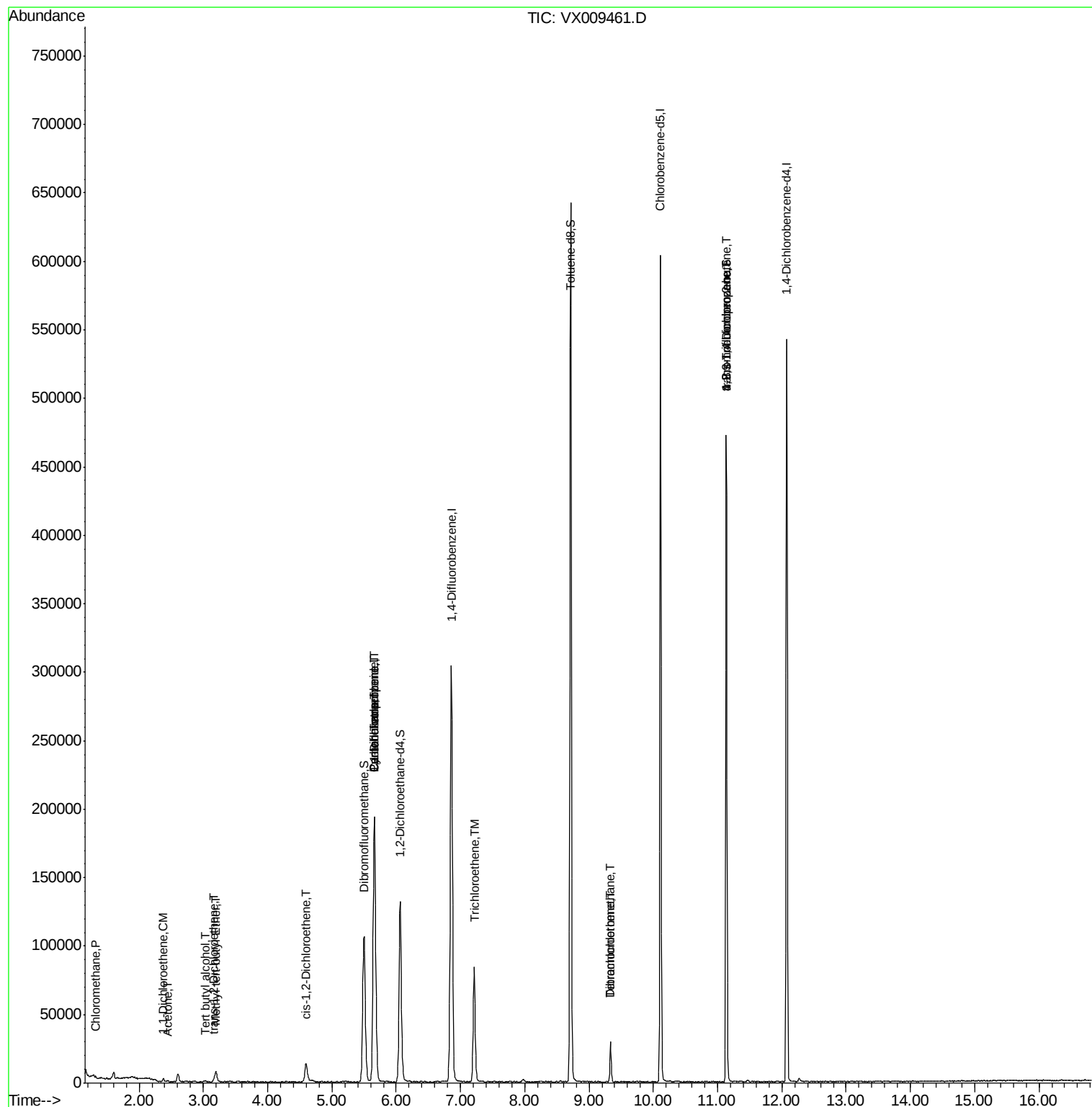
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	939	0.395	ug/l	92
11) Tert butyl alcohol	3.03	59	779	1.305	ug/l #	73
12) 1,1-Dichloroethene	2.38	96	825	0.465	ug/l	90
16) Acetone	2.44	43	1113	0.804	ug/l	92
19) Methyl tert-butyl Ether	3.20	73	7933	1.153	ug/l	92
21) trans-1,2-Dichloroethene	3.16	96	395	0.205	ug/l #	65
27) cis-1,2-Dichloroethene	4.59	96	8288	3.612	ug/l	88
28) Bromochloromethane	4.99	49	22	Below Cal	#	20
31) Cyclohexane	5.67	56	4016	1.053	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14653	5.204	ug/l #	51
38) Carbon Tetrachloride	5.66	117	17607	6.883	ug/l #	16
44) Trichloroethene	7.21	130	31957	15.171	ug/l	99
60) Dibromochloromethane	9.34	129	5420	2.568	ug/l #	11
64) Tetrachloroethene	9.34	164	5706	3.136	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	62657	23.980	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	62657	61.357	ug/l #	10

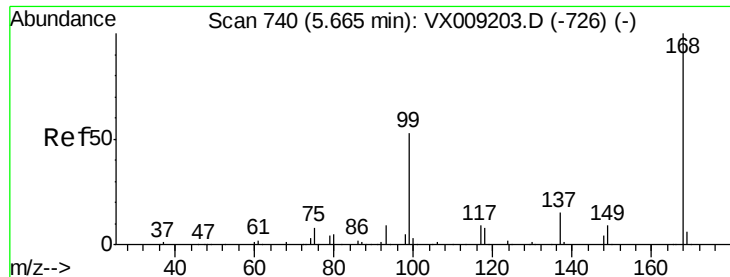
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 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: VX009461.D

Acq: 10 May 2019 04:59

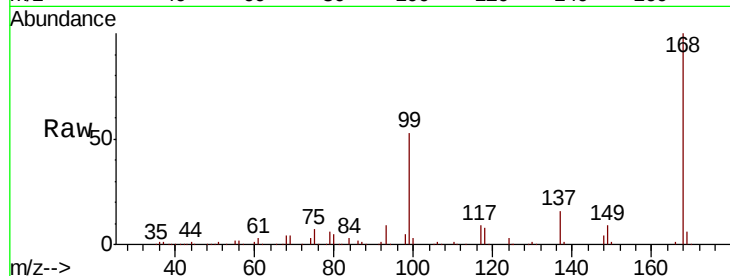
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 188913

Ion Ratio Lower Upper

168 100

99 53.2 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

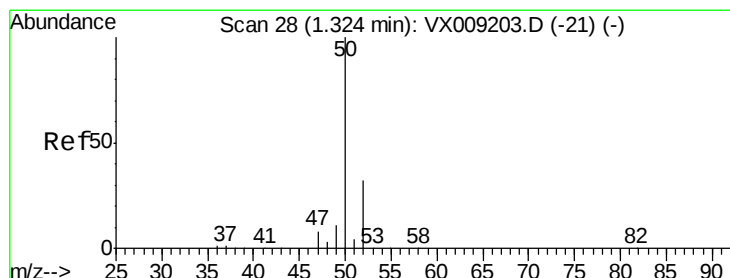
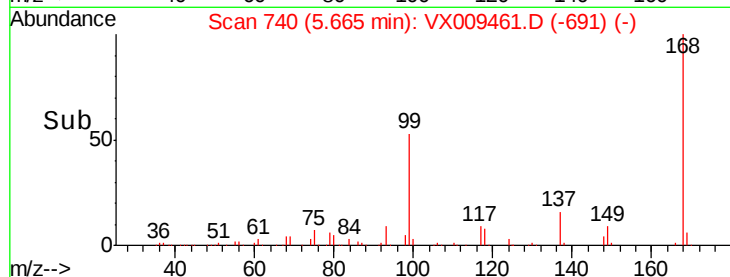
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.395 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009461.D

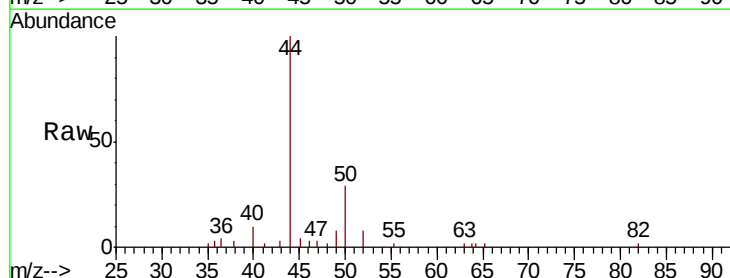
Acq: 10 May 2019 04:59

Tgt Ion: 50 Resp: 939

Ion Ratio Lower Upper

50 100

52 27.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

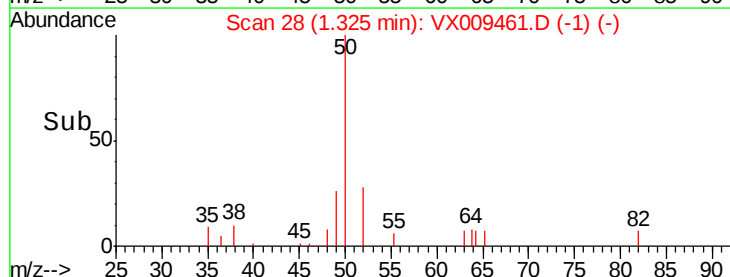
600

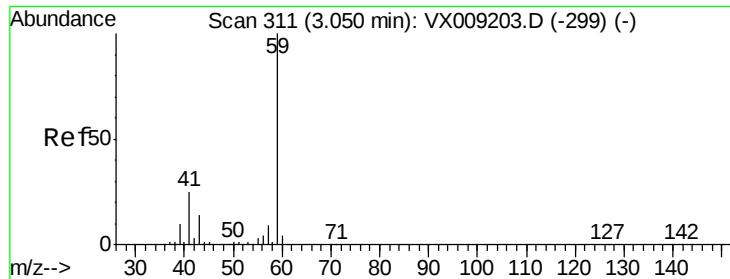
400

200

0

Time--> 1.30 1.35

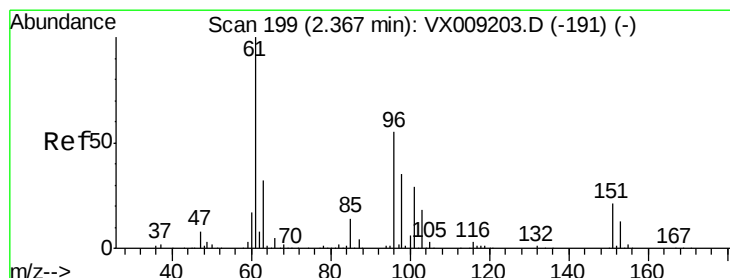
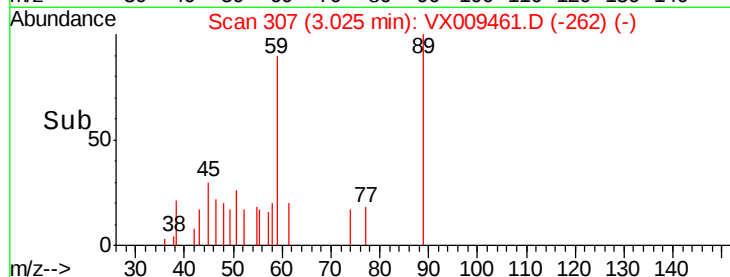
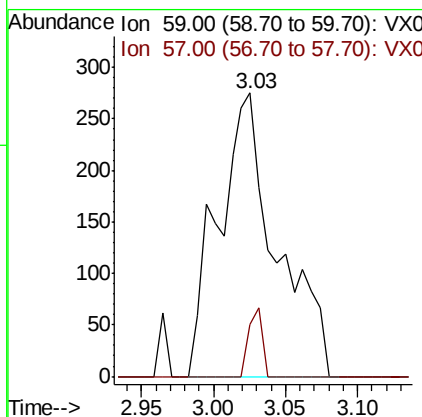
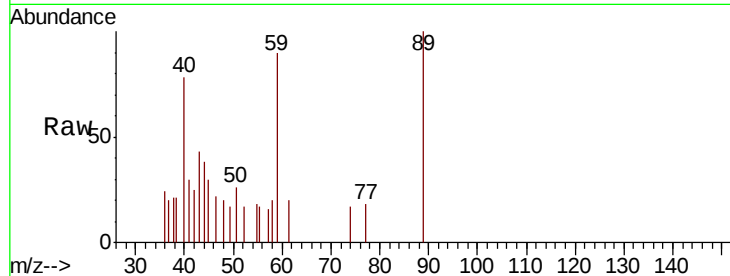




#11
Tert butvl alcohol
Concen: 1.305 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX009461.D
Acq: 10 May 2019 04:59

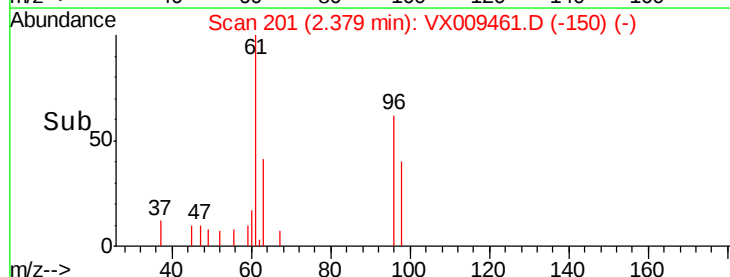
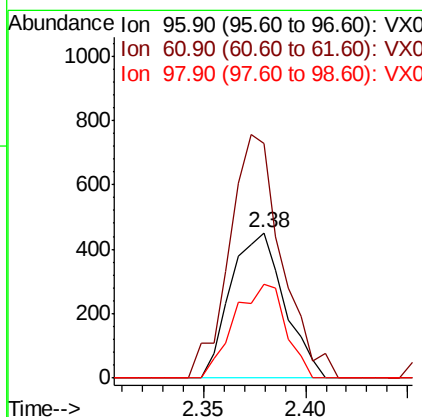
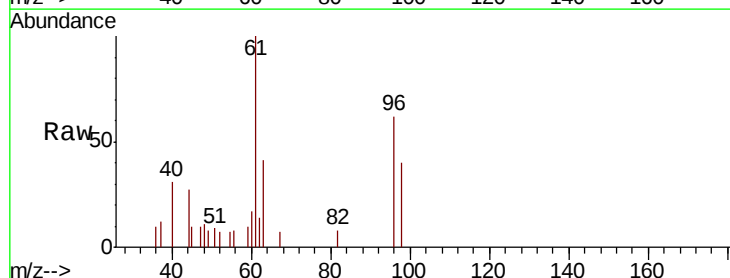
Instrument :
MSVOA_X
ClientSampleId :

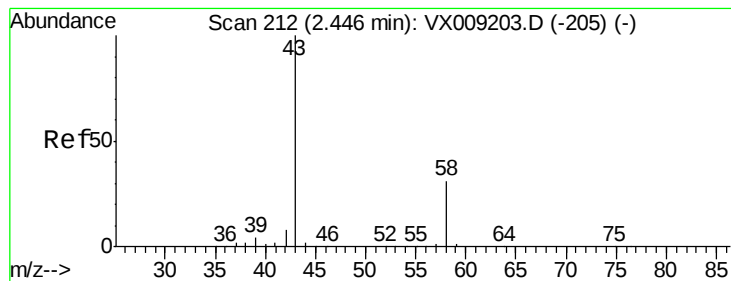
Tot Ion: 59 Resp: 779
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 0.465 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX009461.D
Acq: 10 May 2019 04:59

Tgt Ion: 96 Resp: 825
Ion Ratio Lower Upper
96 100
61 162.0 144.3 216.5
98 64.9 50.3 75.5





#16

Acetone

Concen: 0.804 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009461.D

Acq: 10 May 2019 04:59

Instrument :

MSVOA_X

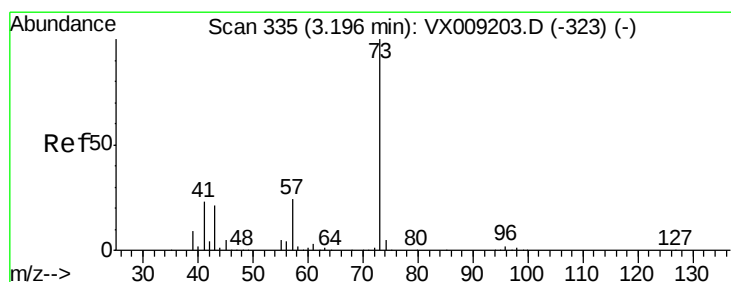
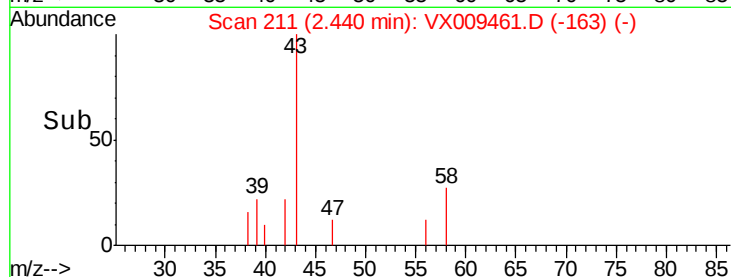
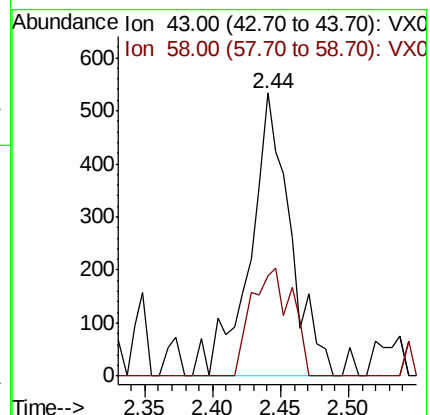
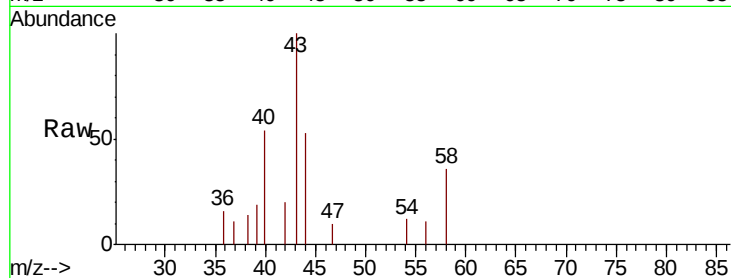
ClientSampleId :

Tot Ion: 43 Resp: 1113

Ion Ratio Lower Upper

43 100

58 35.6 24.9 37.3



#19

Methyl tert-butyl Ether

Concen: 1.153 ug/l

RT: 3.20 min Scan# 335

Delta R.T. 0.00 min

Lab File: VX009461.D

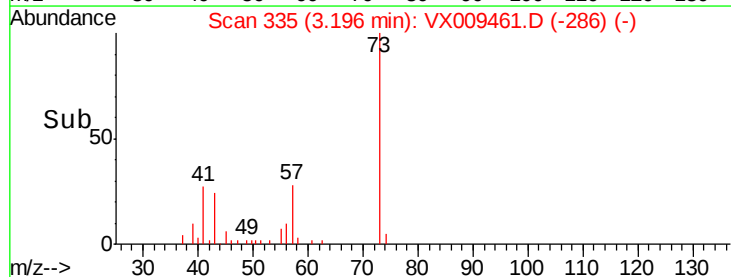
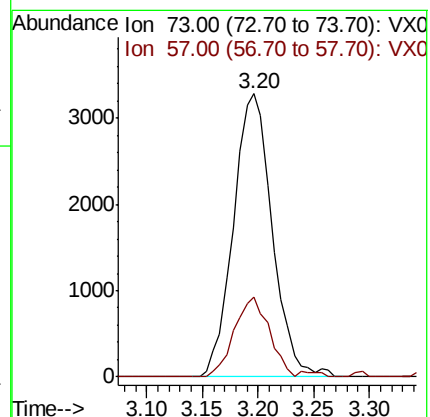
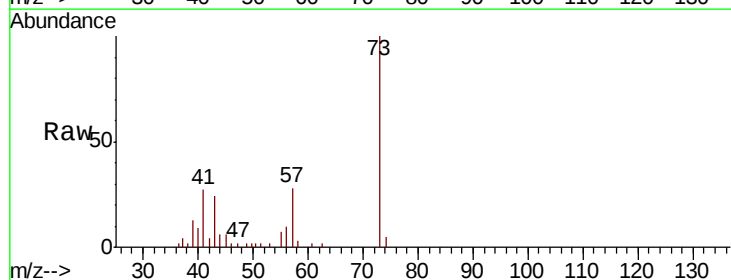
Acq: 10 May 2019 04:59

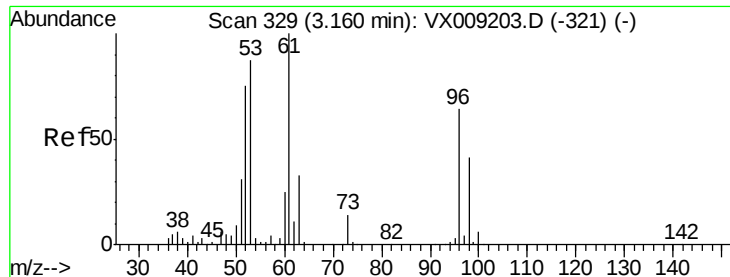
Tgt Ion: 73 Resp: 7933

Ion Ratio Lower Upper

73 100

57 28.1 19.3 28.9





#21

trans-1,2-Dichloroethene

Concen: 0.205 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX009461.D

Acq: 10 May 2019 04:59

Instrument :

MSVOA_X

ClientSampleId :

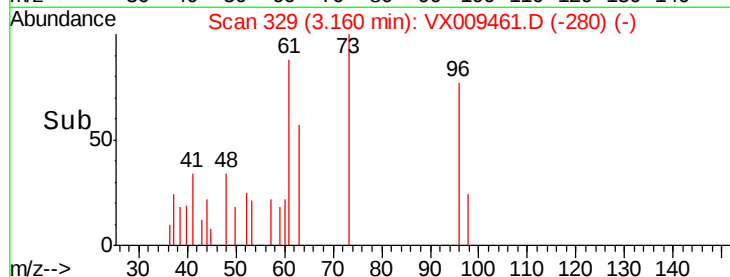
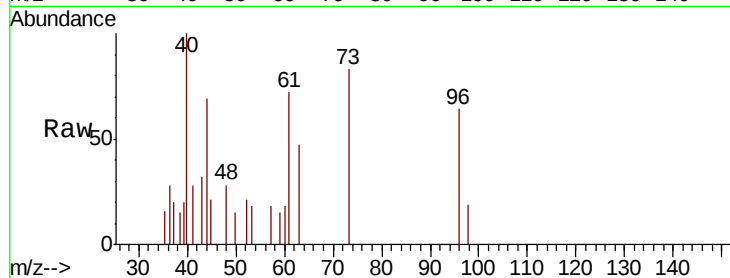
Tot Ion: 96 Resp: 395

Ion Ratio Lower Upper

96 100

61 113.5 124.5 186.7#

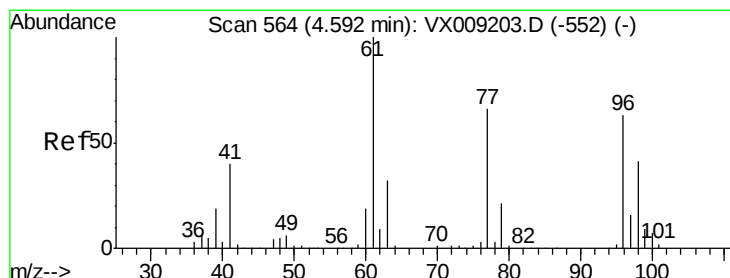
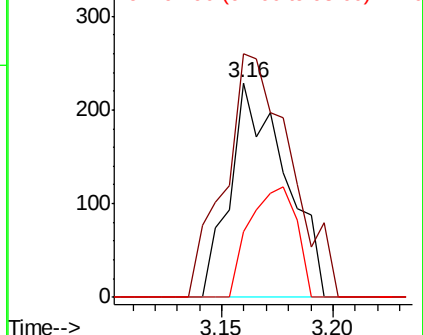
98 30.6 50.4 75.6#



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



#27

cis-1,2-Dichloroethene

Concen: 3.612 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VX009461.D

Acq: 10 May 2019 04:59

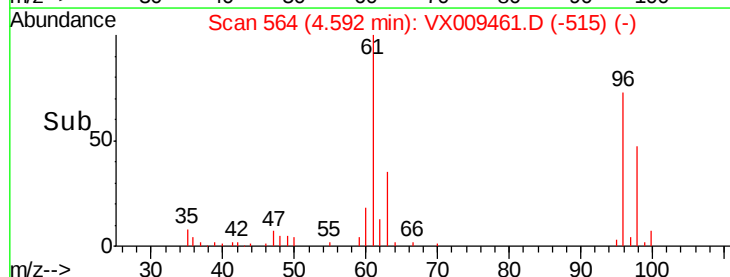
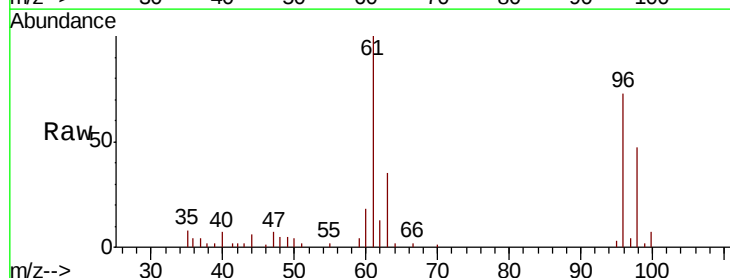
Tgt Ion: 96 Resp: 8288

Ion Ratio Lower Upper

96 100

61 142.4 0.0 324.0

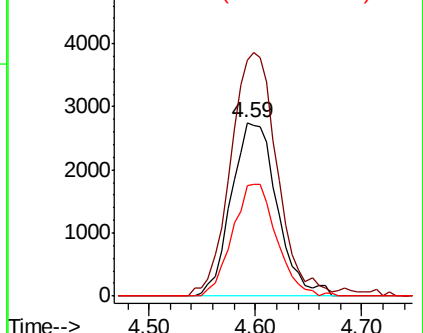
98 62.1 0.0 130.4

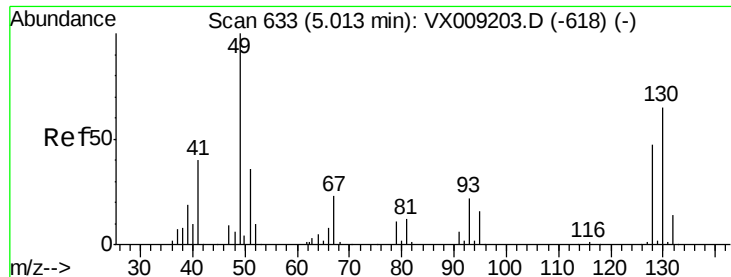


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 4.99 min Scan# 630

Delta R.T. -0.02 min

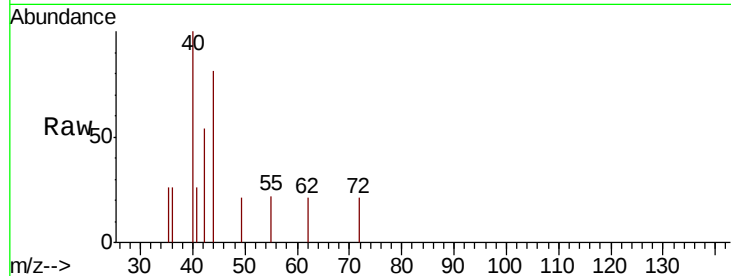
Lab File: VX009461.D

Acq: 10 May 2019 04:59

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 49 Resp: 22

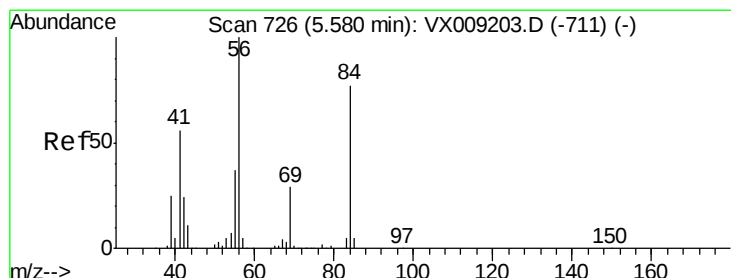
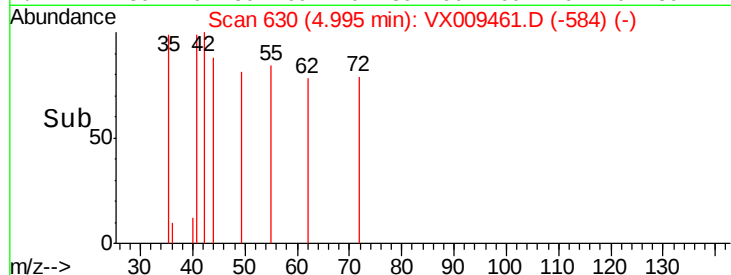
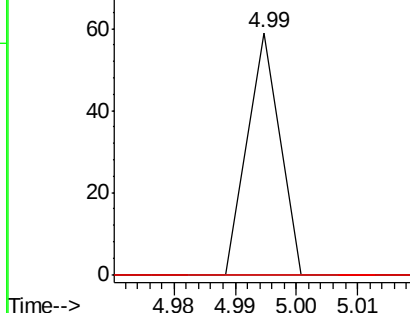
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	0.0	51.2	76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 1.053 ug/l

RT: 5.67 min Scan# 740

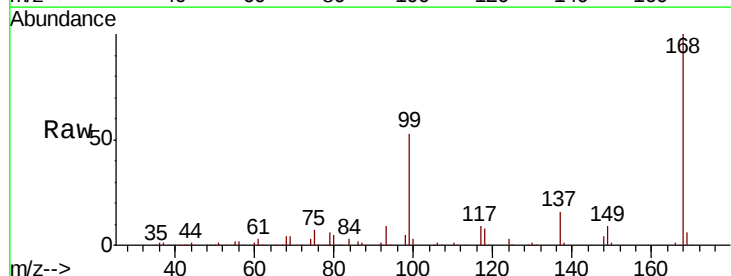
Delta R.T. 0.09 min

Lab File: VX009461.D

Acq: 10 May 2019 04:59

Tgt Ion: 56 Resp: 4016

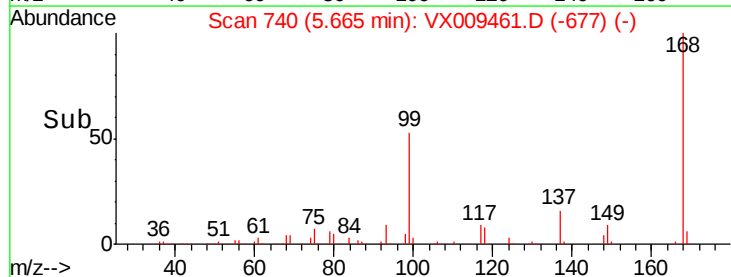
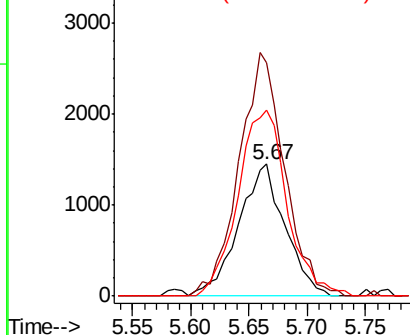
Ion	Ratio	Lower	Upper
56	100		
69	176.4	23.4	35.0#
84	141.1	61.9	92.9#



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: 48.047 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009461.D

Acq: 10 May 2019 04:59

Instrument :

MSVOA_X

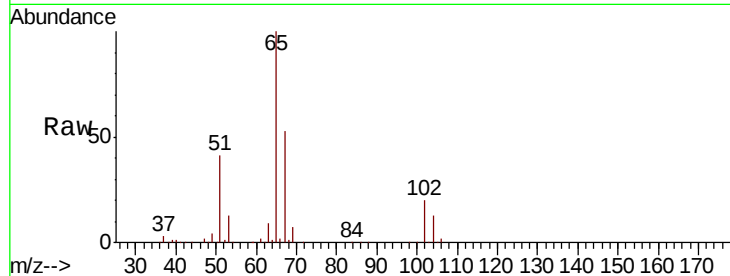
ClientSampleId :

Tot Ion: 65 Resp: 123909

Ion Ratio Lower Upper

65 100

67 53.8 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

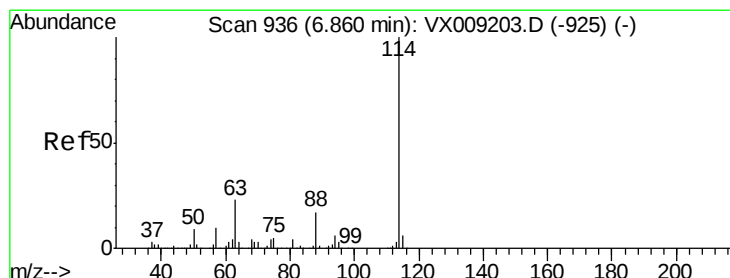
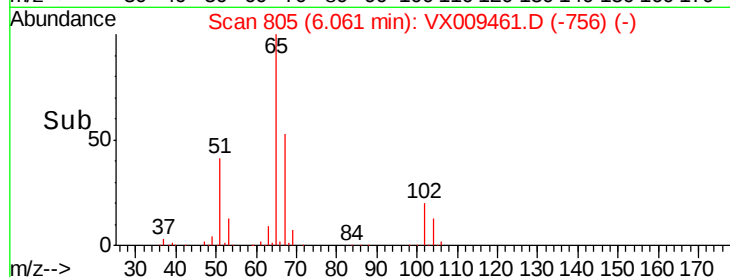
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009461.D

Acq: 10 May 2019 04:59

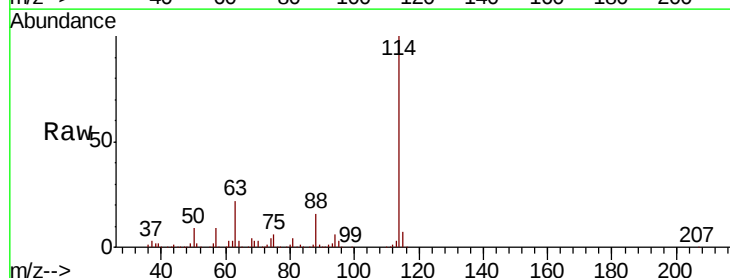
Tgt Ion: 114 Resp: 302967

Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.6

88 16.1 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

6.86

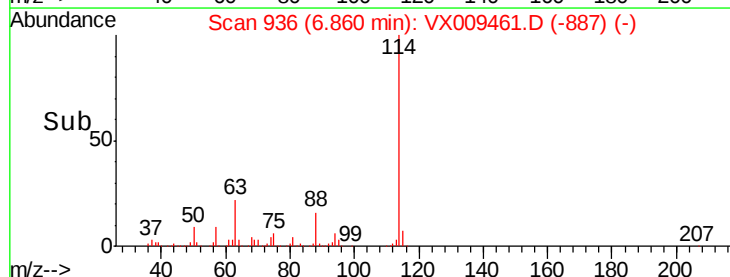
150000

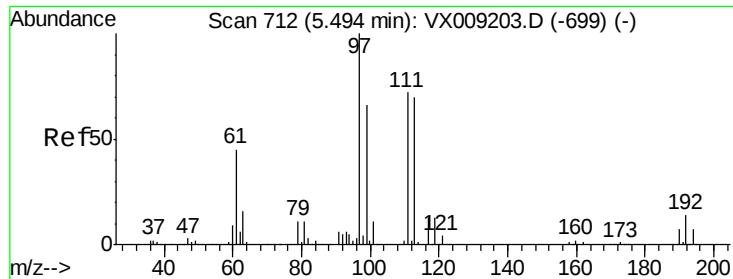
100000

50000

0

Time--> 6.70 6.80 6.90 7.00

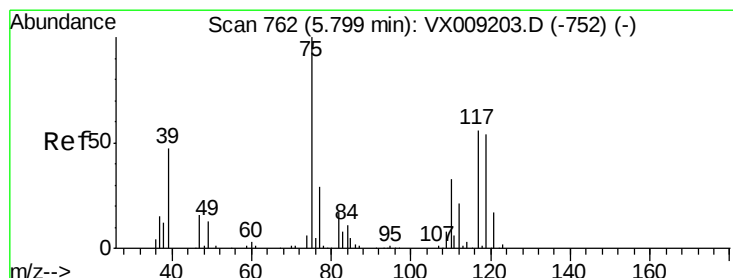
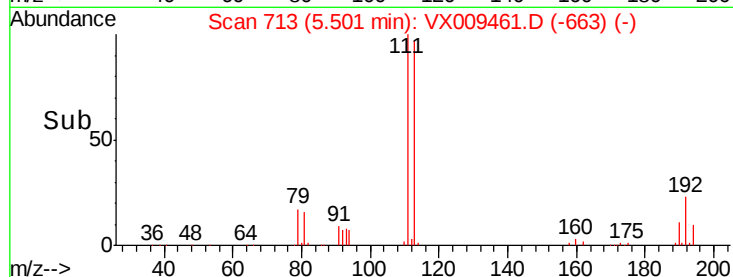
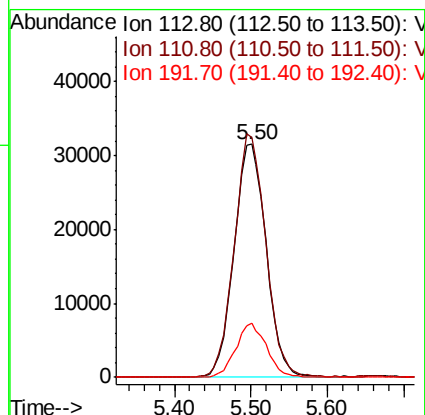
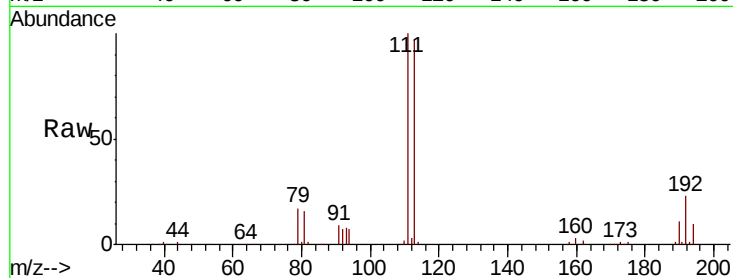




#35
 Dibromofluoromethane
 Concen: 48.271 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009461.D
 Acq: 10 May 2019 04:59

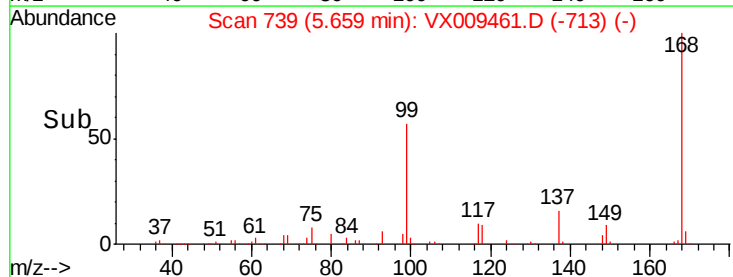
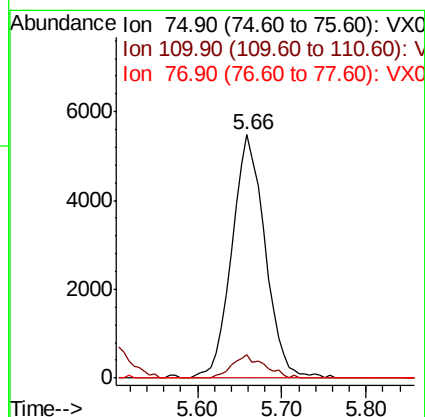
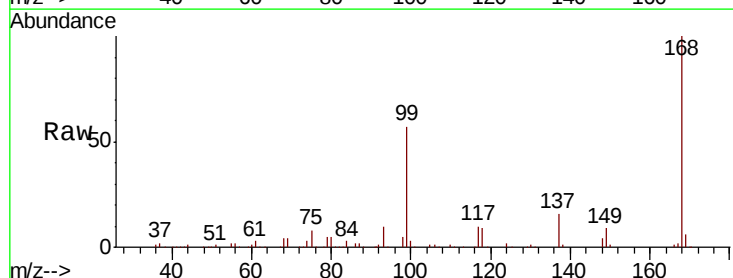
Instrument :
 MSVOA_X
 ClientSampleId :

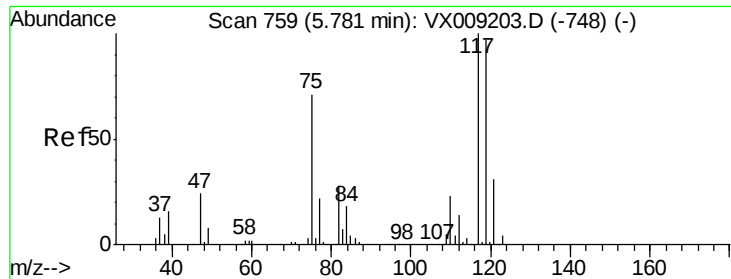
Tot Ion:113 Resp: 91935
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.8 124.2
 192 22.2 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.204 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009461.D
 Acq: 10 May 2019 04:59

Tgt Ion: 75 Resp: 14653
 Ion Ratio Lower Upper
 75 100
 110 9.4 16.9 50.6#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.883 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009461.D

Acq: 10 May 2019 04:59

Instrument :

MSVOA_X

ClientSampleId :

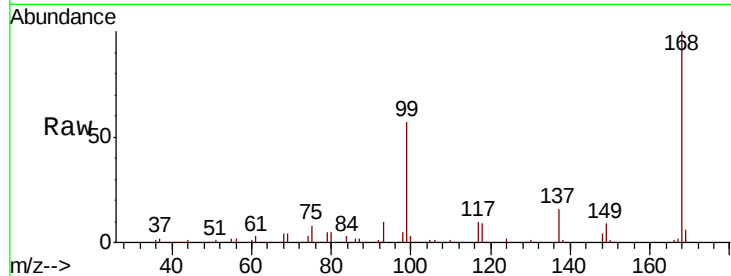
Tot Ion:117 Resp: 17607

Ion Ratio Lower Upper

117 100

119 5.1 77.5 116.3#

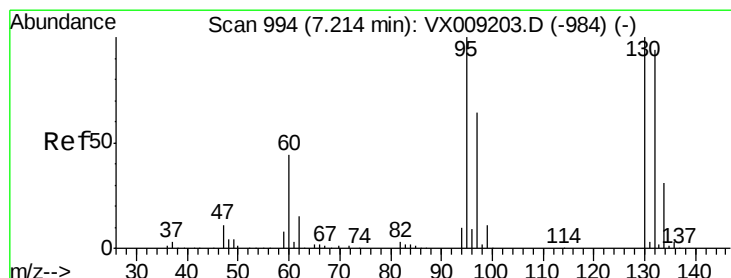
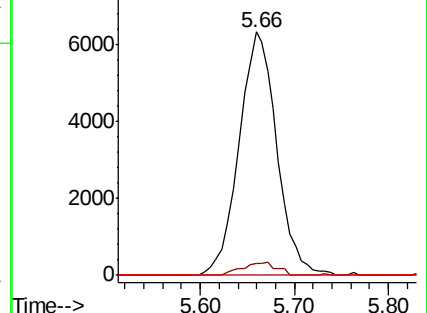
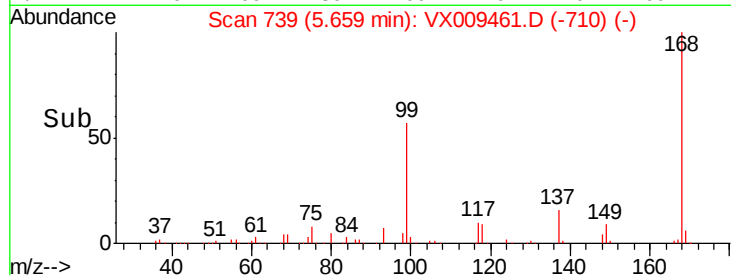
121 0.0 24.7 37.1#



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: 15.171 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX009461.D

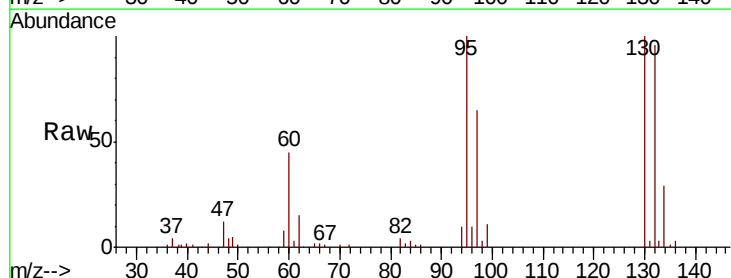
Acq: 10 May 2019 04:59

Tgt Ion:130 Resp: 31957

Ion Ratio Lower Upper

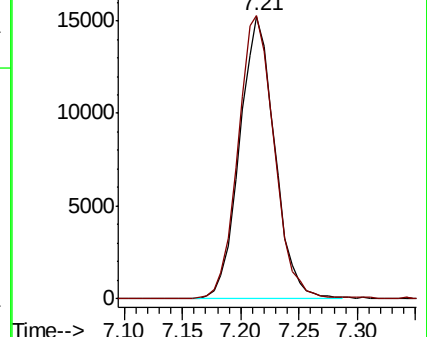
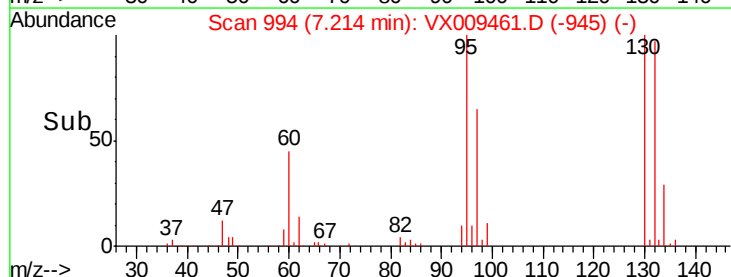
130 100

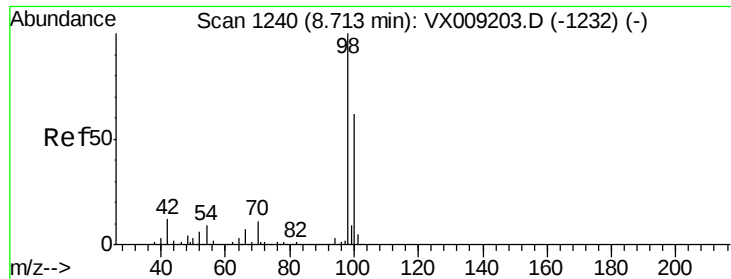
95 100.2 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 49.025 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009461.D

Acq: 10 May 2019 04:59

Instrument :

MSVOA_X

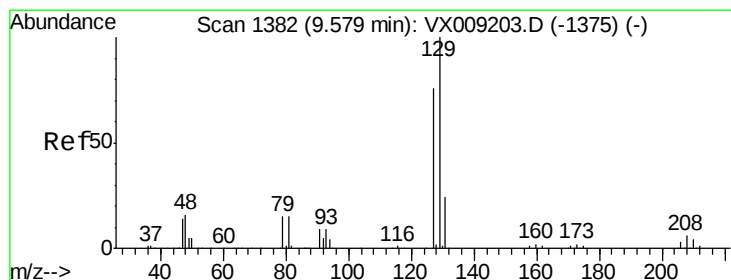
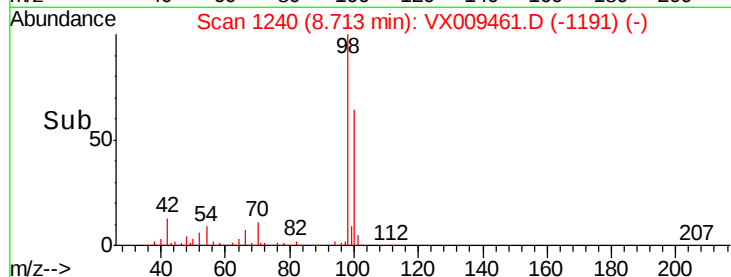
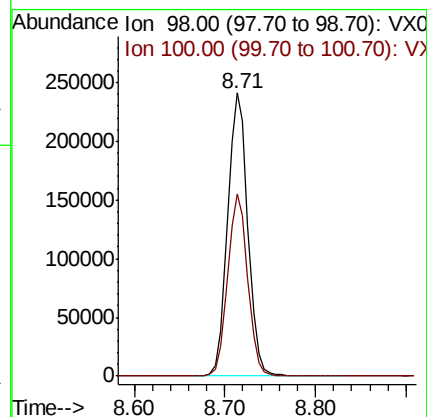
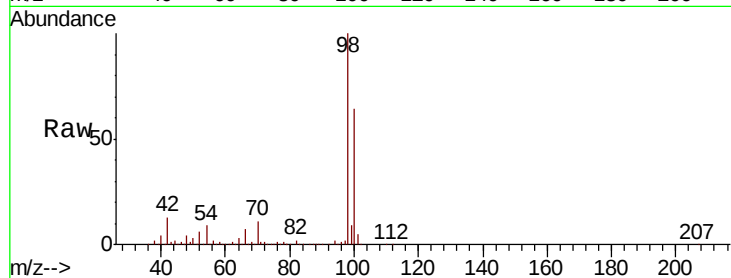
ClientSampleId :

Tot Ion: 98 Resp: 376963

Ion Ratio Lower Upper

98 100

100 63.9 51.2 76.8



#60

Dibromochloromethane

Concen: 2.568 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX009461.D

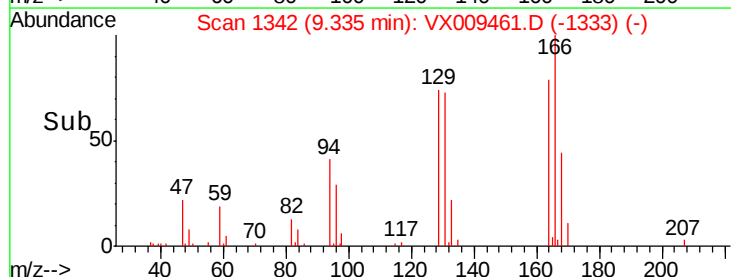
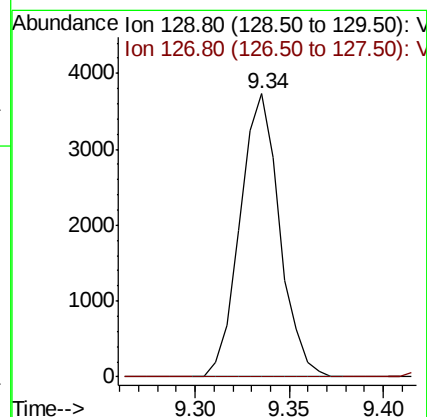
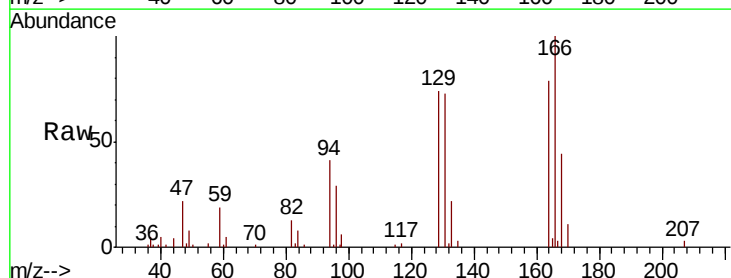
Acq: 10 May 2019 04:59

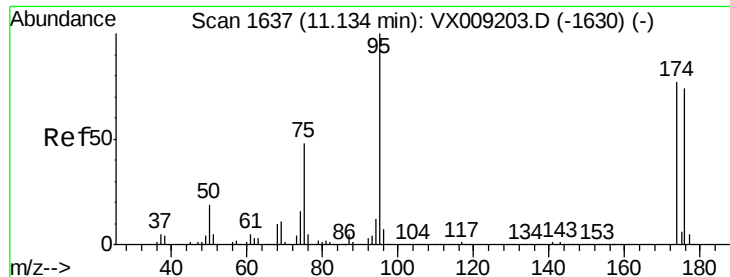
Tgt Ion: 129 Resp: 5420

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.1#

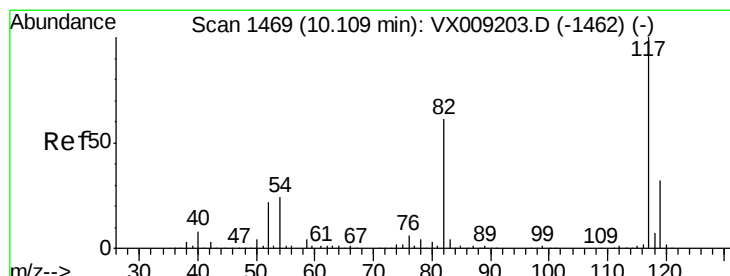
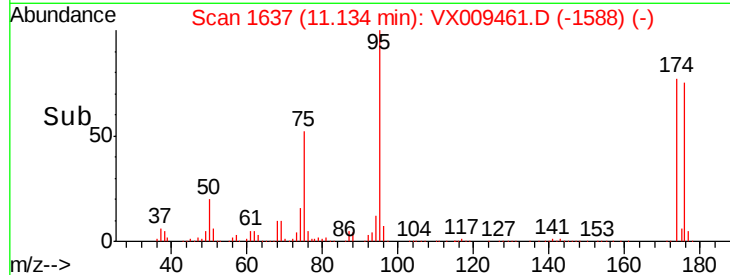
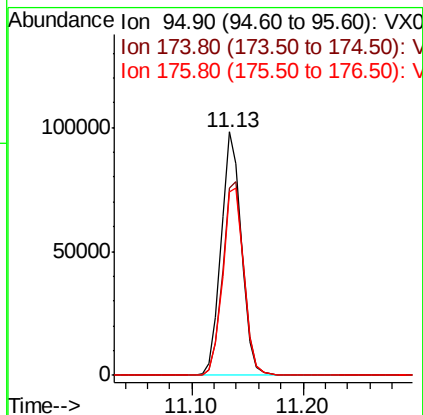
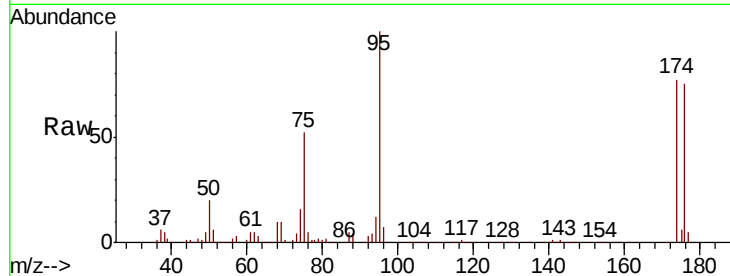




#62
4-Bromofluorobenzene
Concen: 44.342 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009461.D
Acq: 10 May 2019 04:59

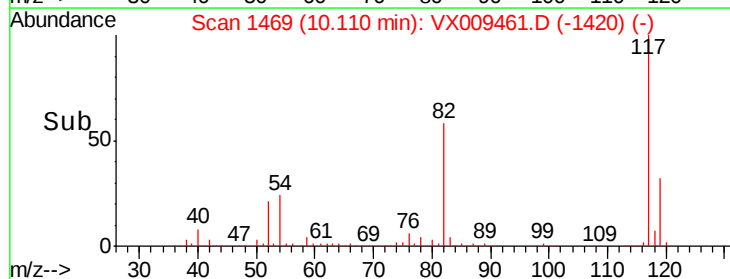
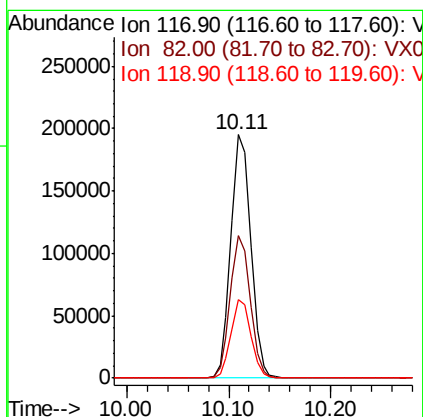
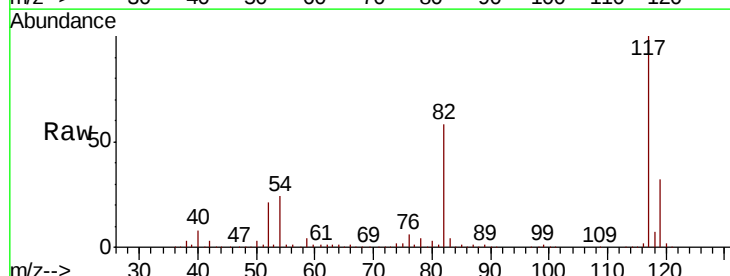
Instrument :
MSVOA_X
ClientSampled :

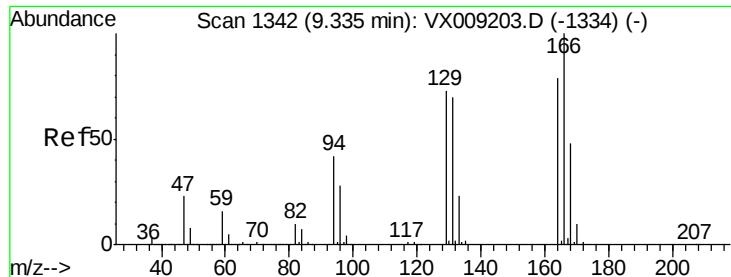
Tot Ion: 95 Resp: 123890
Ion Ratio Lower Upper
95 100
174 82.3 0.0 161.6
176 79.7 0.0 159.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009461.D
Acq: 10 May 2019 04:59

Tgt Ion: 117 Resp: 265290
Ion Ratio Lower Upper
117 100
82 58.3 48.8 73.2
119 32.0 25.8 38.6





#64

Tetrachloroethene

Concen: 3.136 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX009461.D

Acq: 10 May 2019 04:59

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 5706

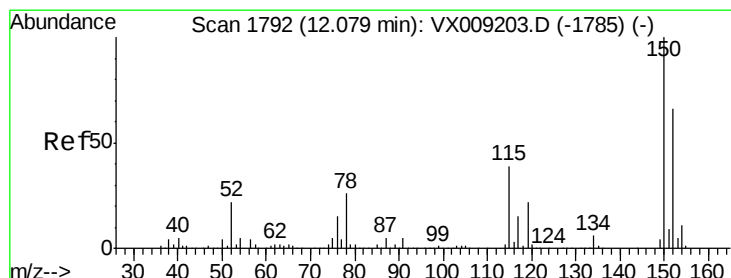
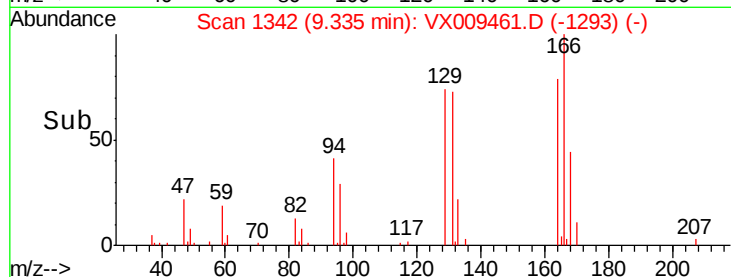
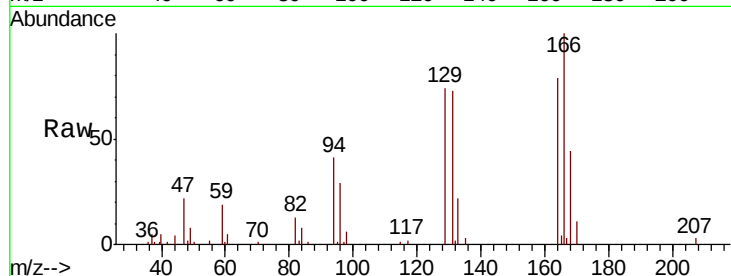
Ion Ratio Lower Upper

164 100

166 125.8 101.2 151.8

129 93.4 74.3 111.5

131 91.4 71.0 106.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009461.D

Acq: 10 May 2019 04:59

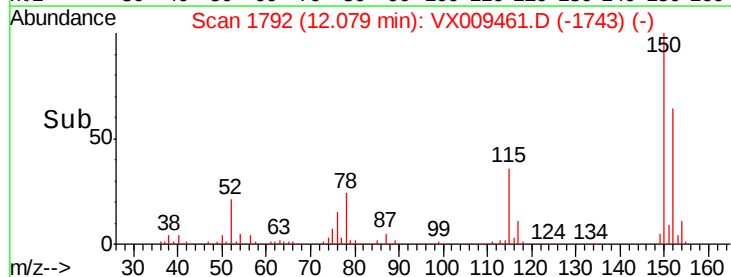
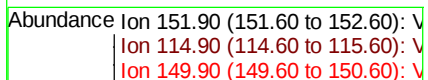
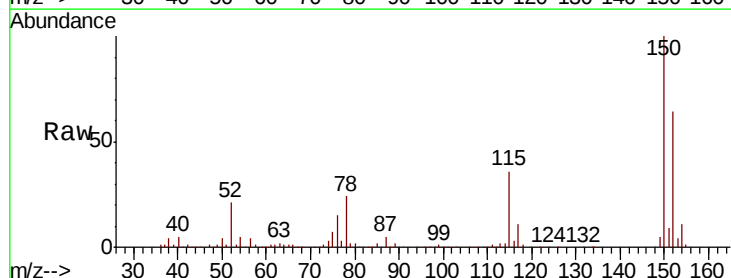
Tgt Ion:152 Resp: 112641

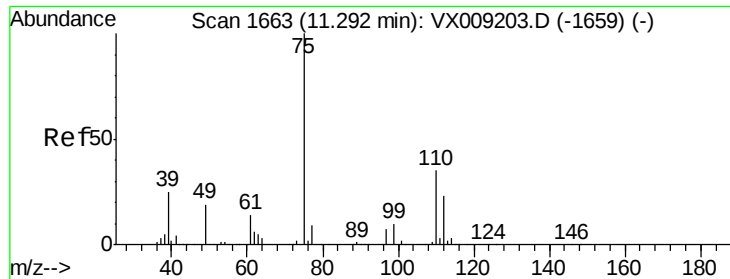
Ion Ratio Lower Upper

152 100

115 58.9 41.2 123.6

150 156.9 0.0 346.4



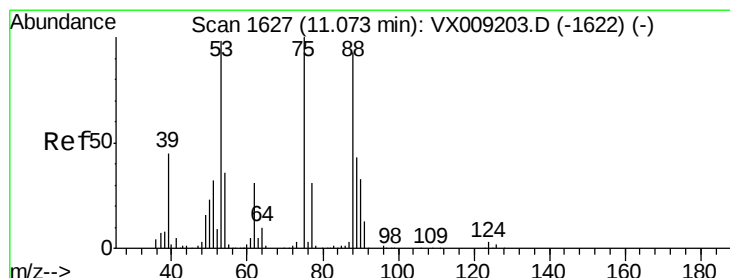
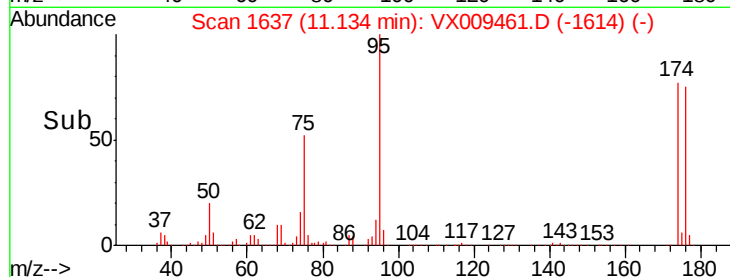
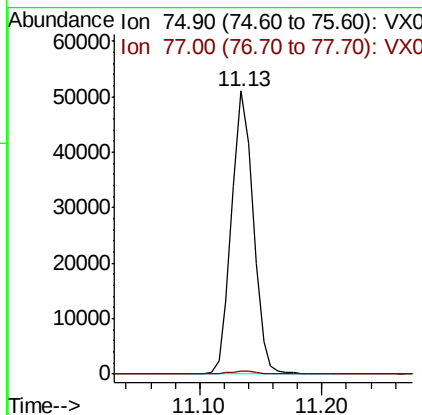
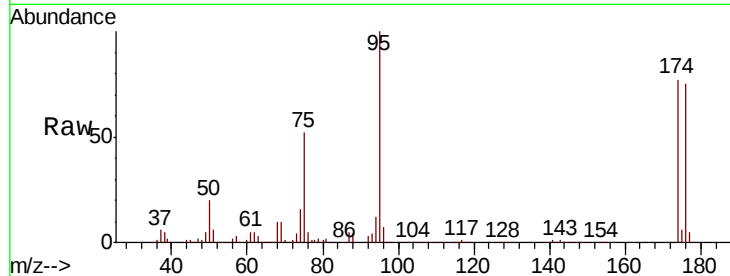


#76

1,2,3-Trichloropropane
Concen: 23.980 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX009461.D
Acq: 10 May 2019 04:59

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 75 Resp: 62657
Ion Ratio Lower Upper
75 100
77 1.4 22.1 66.1#



#81

trans-1,4-Dichloro-2-butene
Concen: 61.357 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX009461.D
Acq: 10 May 2019 04:59

Tgt Ion: 75 Resp: 62657
Ion Ratio Lower Upper
75 100
53 0.1 79.0 118.6#
89 0.0 34.7 52.1#

