

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\
 Data File : VX009455.D
 Acq On : 10 May 2019 02:40
 Operator : JC/SP
 Sample : K2782-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 10 07:12:34 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	5.66	168	191983	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	310081	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	272619	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	121356	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	125429	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
35) Dibromofluoromethane	5.50	113	94180	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
50) Toluene-d8	8.71	98	385191	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
62) 4-Bromofluorobenzene	11.13	95	130068	45.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.98%	

Target Compounds

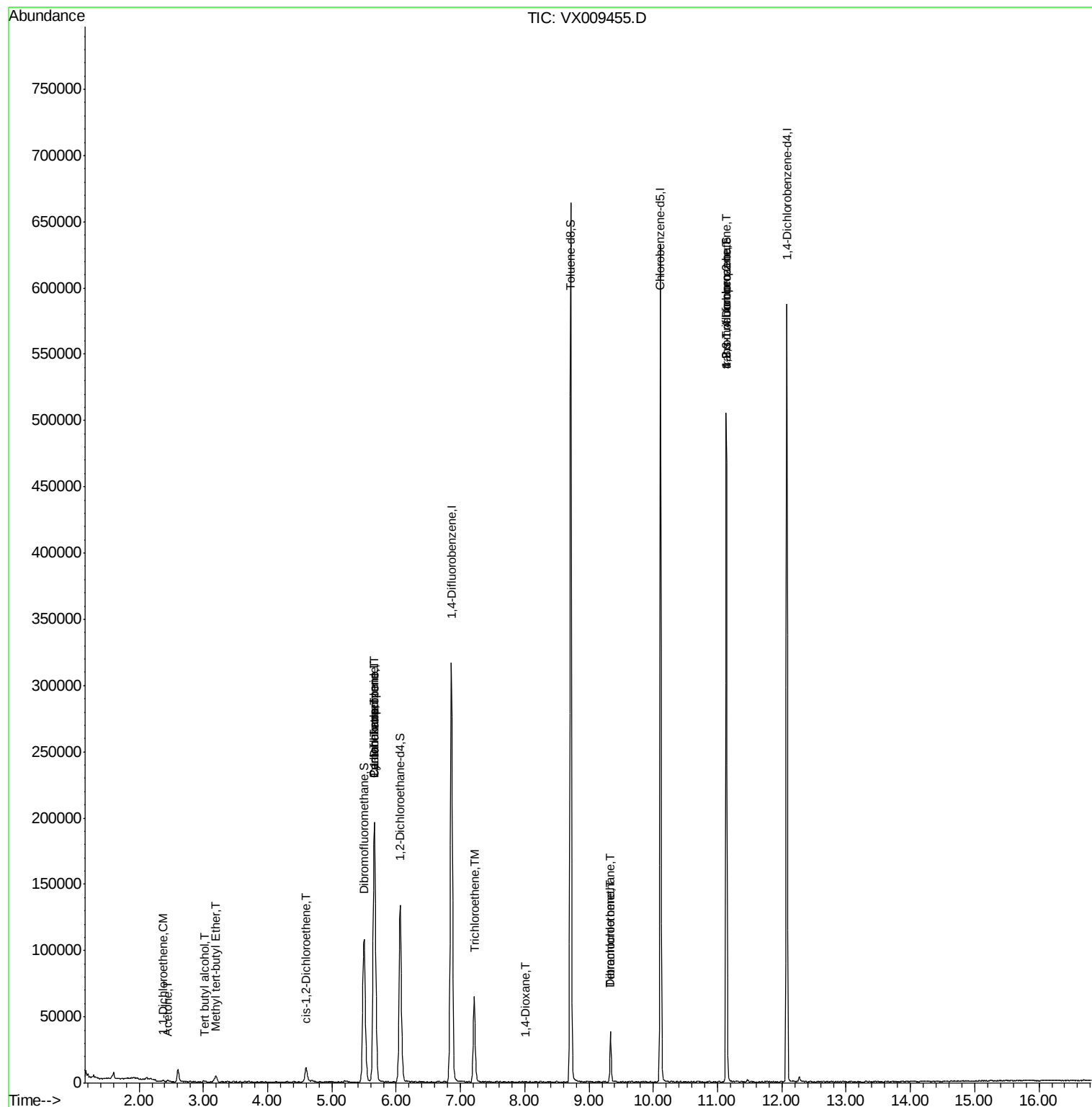
						Qvalue
11) Tert butyl alcohol	3.01	59	587	0.968	ug/l #	73
12) 1,1-Dichloroethene	2.37	96	521	0.289	ug/l #	37
16) Acetone	2.44	43	843	0.599	ug/l	90
19) Methyl tert-butyl Ether	3.19	73	4502	0.644	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	6509	2.791	ug/l	89
28) Bromochloromethane	5.02	49	21	Below Cal	#	20
31) Cyclohexane	5.65	56	4268	1.102	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14552	5.050	ug/l #	51
38) Carbon Tetrachloride	5.66	117	17692	6.757	ug/l #	15
44) Trichloroethene	7.21	130	24666	11.441	ug/l	97
49) 1,4-Dioxane	8.01	88	22	0.340	ug/l #	20
60) Dibromochloromethane	9.34	129	6747	3.123	ug/l #	11
64) Tetrachloroethene	9.34	164	7400	3.957	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	66175	23.508	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	66175	60.148	ug/l #	10

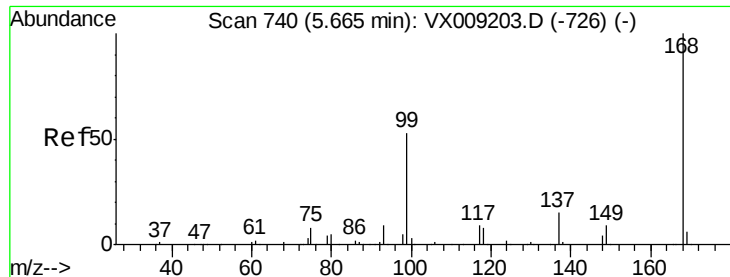
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
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: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009455.D

Acq: 10 May 2019 02:40

Instrument :

MSVOA_X

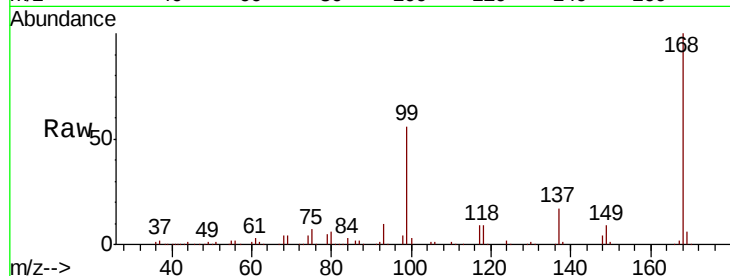
ClientSampled :

Tot Ion:168 Resp: 191983

Ion Ratio Lower Upper

168 100

99 56.3 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

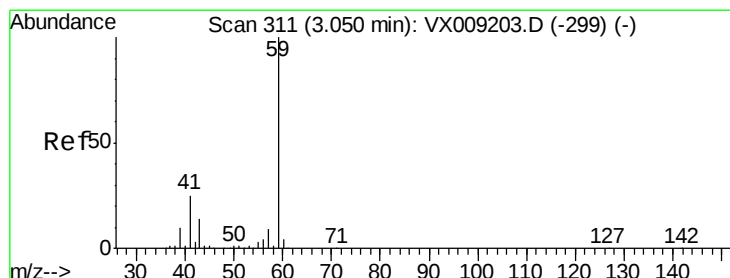
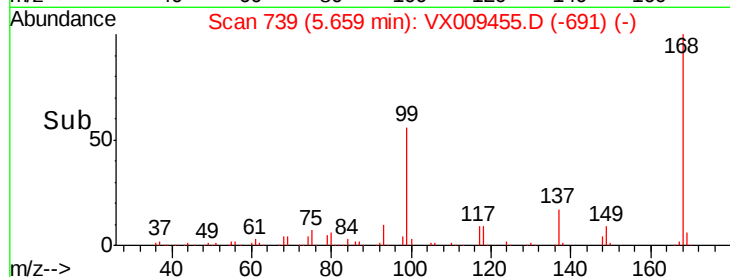
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#11

Tert butyl alcohol

Concen: 0.968 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.04 min

Lab File: VX009455.D

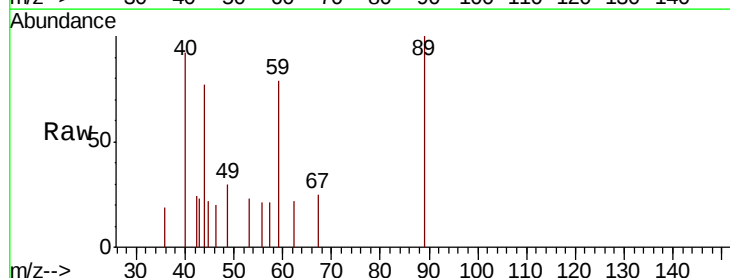
Acq: 10 May 2019 02:40

Tgt Ion: 59 Resp: 587

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

250

200

150

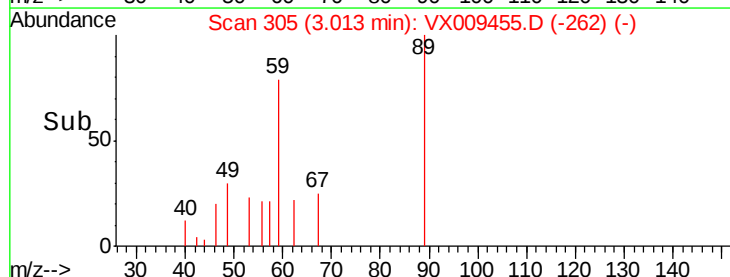
100

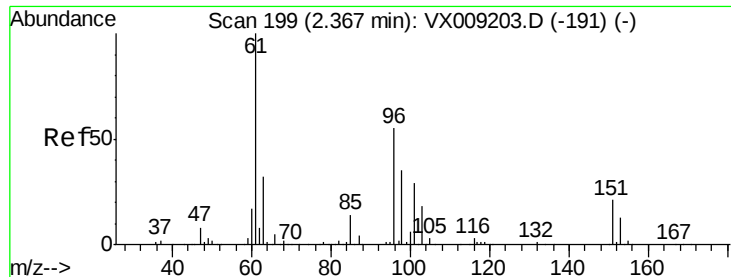
50

0

Time-->

2.95 3.00 3.05 3.10





#12

1,1-Dichloroethene

Concen: 0.289 ug/l

RT: 2.37 min Scan# 199

Delta R.T. -0.00 min

Lab File: VX009455.D

Acq: 10 May 2019 02:40

Instrument :

MSVOA_X

ClientSampled :

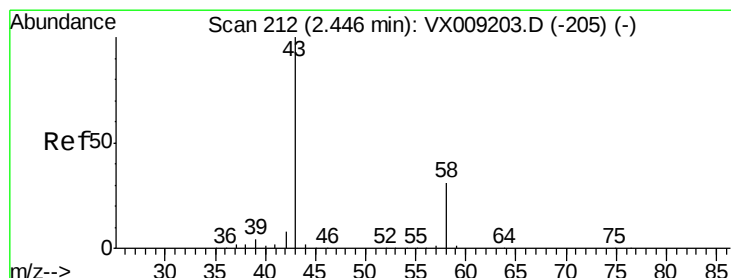
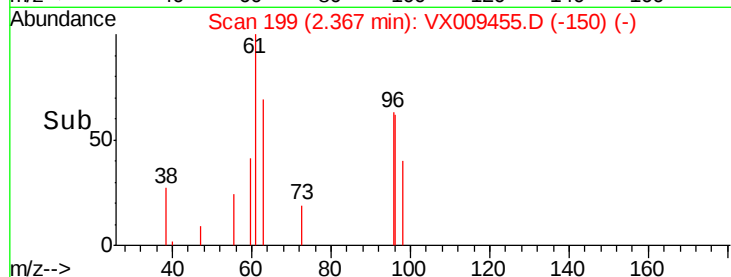
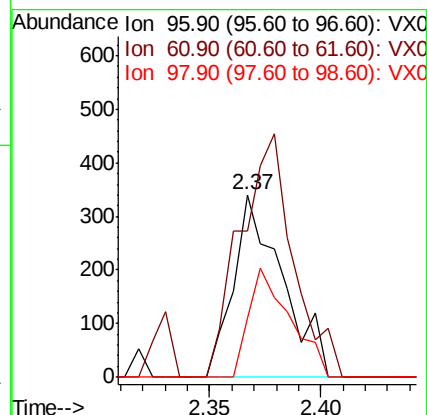
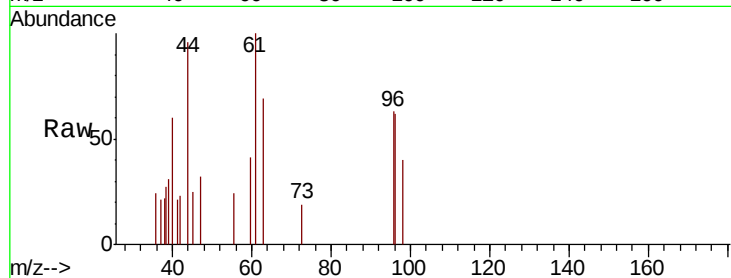
Tot Ion: 96 Resp: 521

Ion Ratio Lower Upper

96 100

61 80.0 144.3 216.5#

98 32.4 50.3 75.5#



#16

Acetone

Concen: 0.599 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009455.D

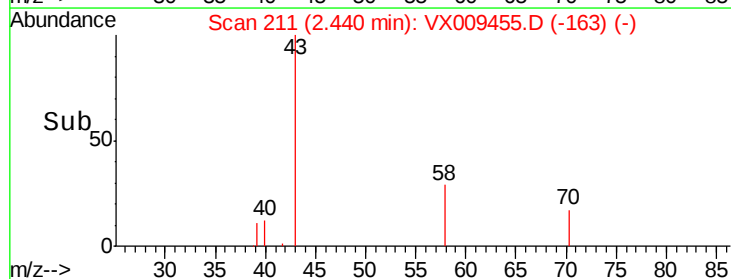
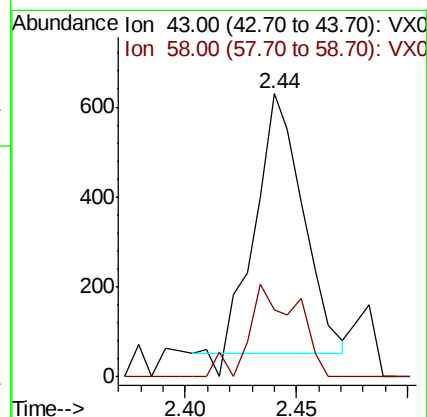
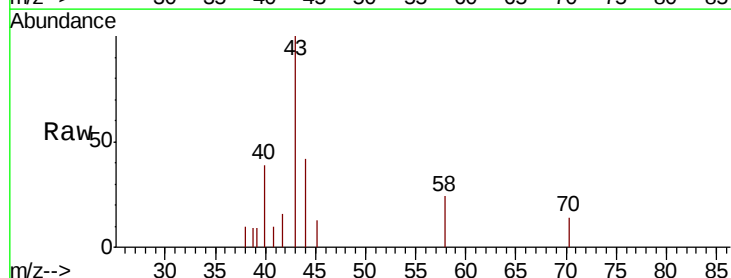
Acq: 10 May 2019 02:40

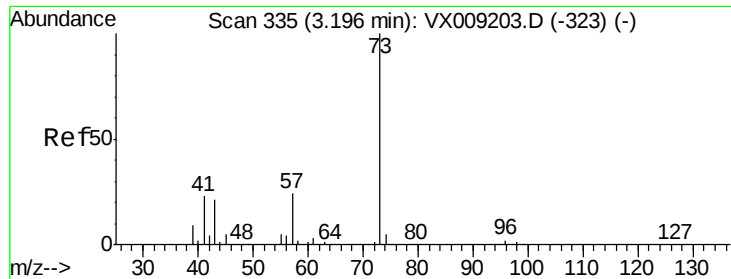
Tgt Ion: 43 Resp: 843

Ion Ratio Lower Upper

43 100

58 25.8 24.9 37.3



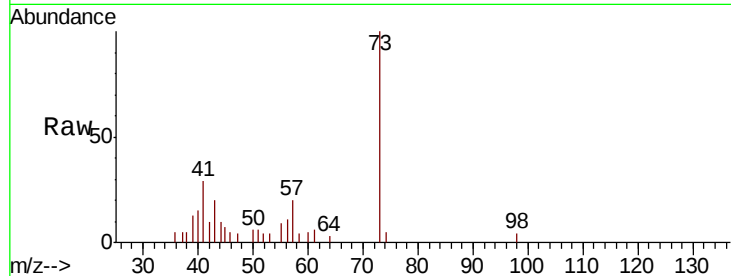


#19

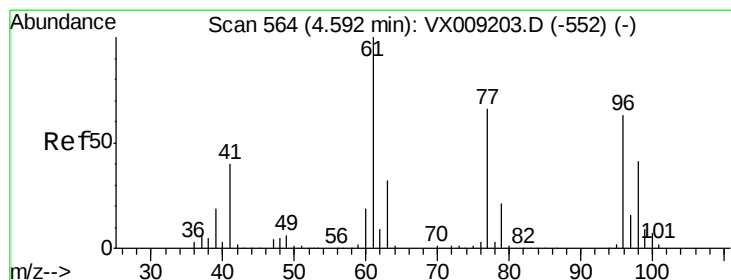
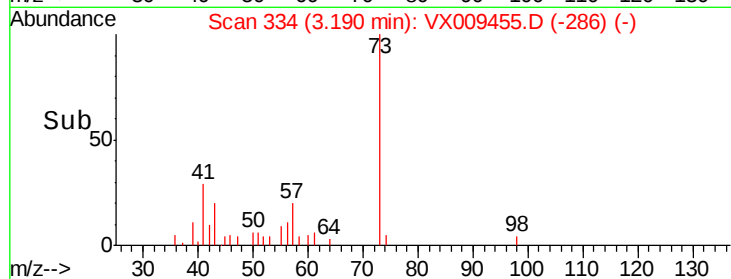
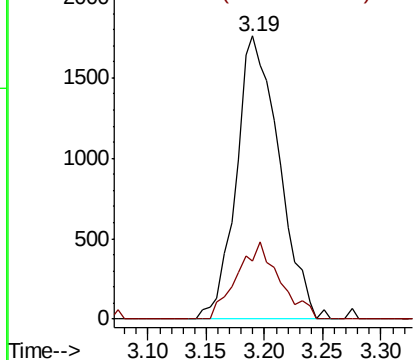
Methyl tert-butyl Ether
 Concen: 0.644 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX009455.D
 Acq: 10 May 2019 02:40

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 73 Resp: 4502
 Ion Ratio Lower Upper
 73 100
 57 20.4 19.3 28.9



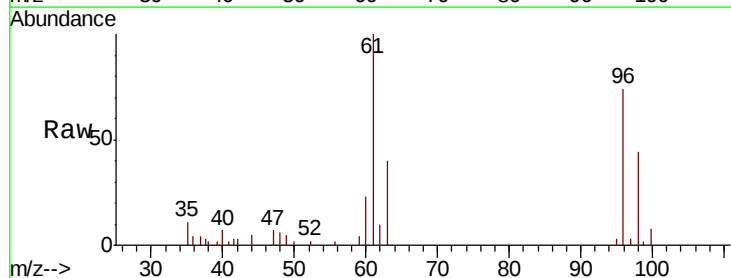
Abundance Ion 73.00 (72.70 to 73.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



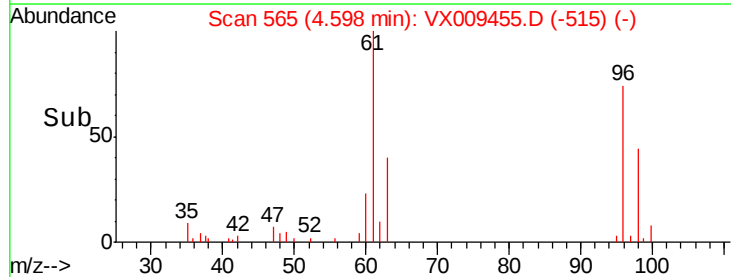
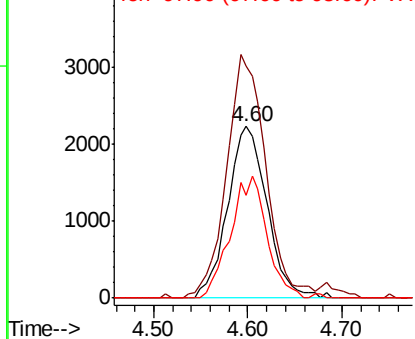
#27

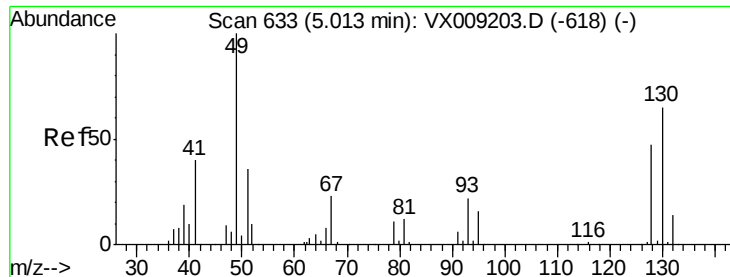
cis-1,2-Dichloroethene
 Concen: 2.791 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX009455.D
 Acq: 10 May 2019 02:40

Tgt Ion: 96 Resp: 6509
 Ion Ratio Lower Upper
 96 100
 61 140.8 0.0 324.0
 98 65.4 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: 5.02 min Scan# 635

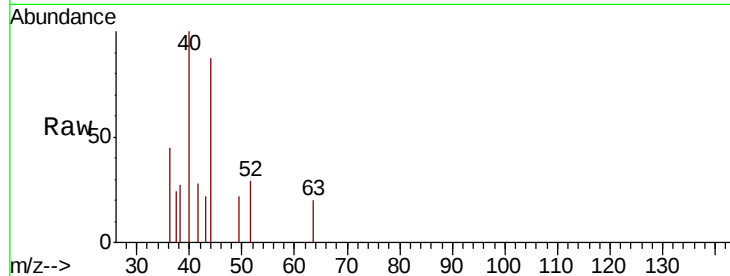
Delta R.T. 0.01 min

Lab File: VX009455.D

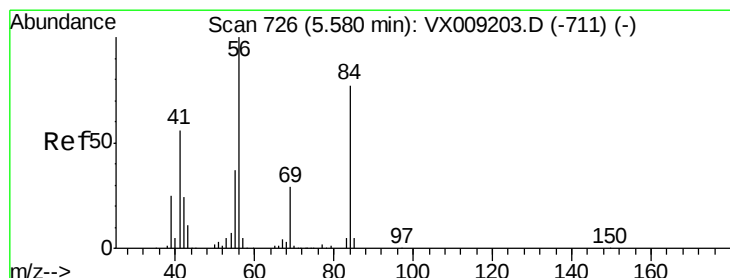
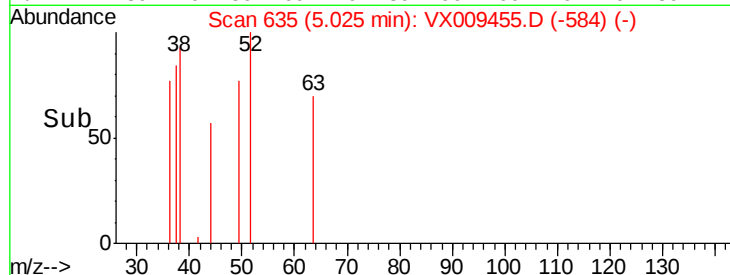
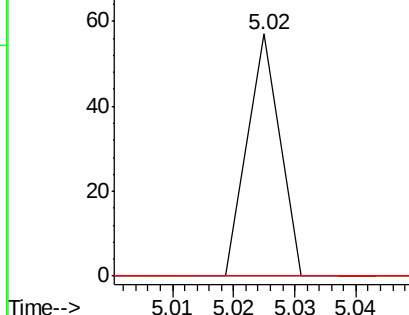
Acq: 10 May 2019 02:40

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 49 Resp: 21
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: 1.102 ug/l

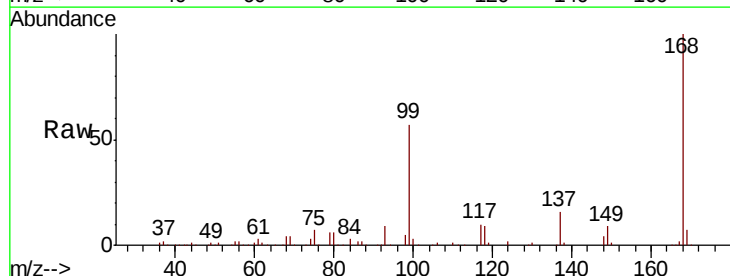
RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

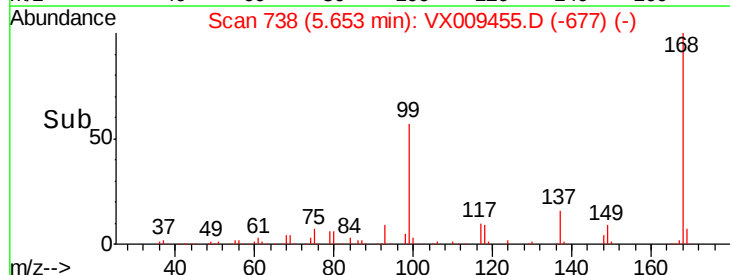
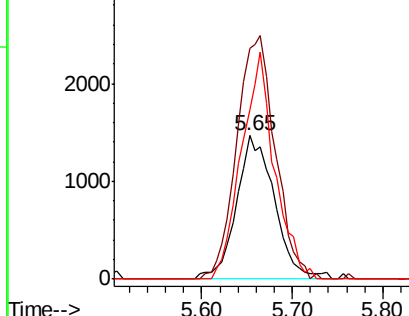
Lab File: VX009455.D

Acq: 10 May 2019 02:40

Tgt Ion: 56 Resp: 4268
Ion Ratio Lower Upper
56 100
69 161.1 23.4 35.0#
84 118.6 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

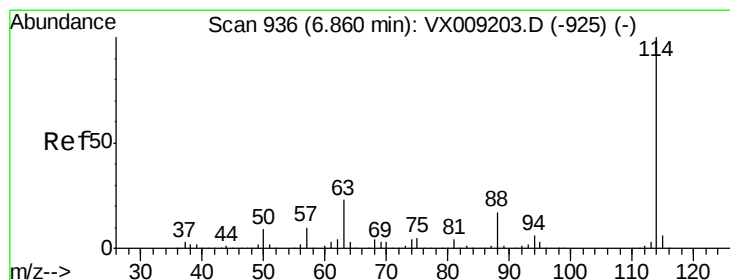
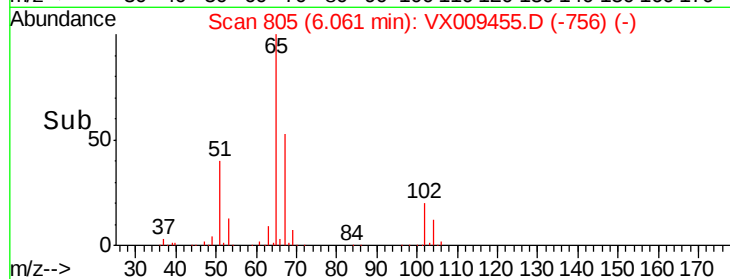
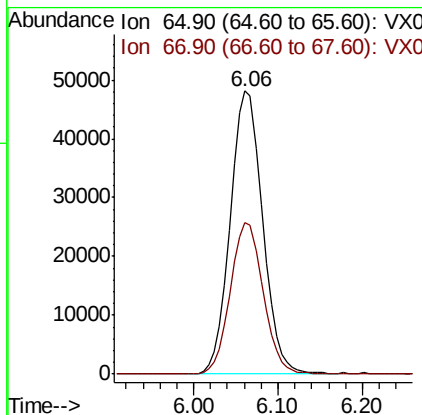
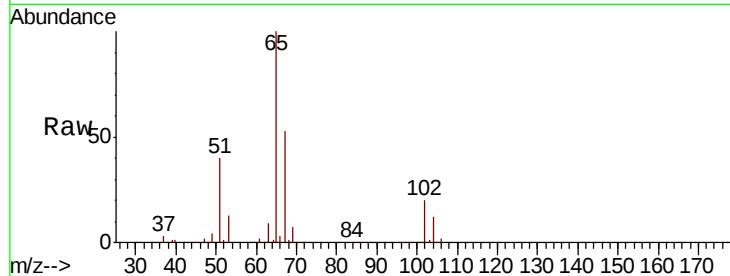




#33
 1,2-Dichloroethane-d4
 Concen: 47.859 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009455.D
 Acq: 10 May 2019 02:40

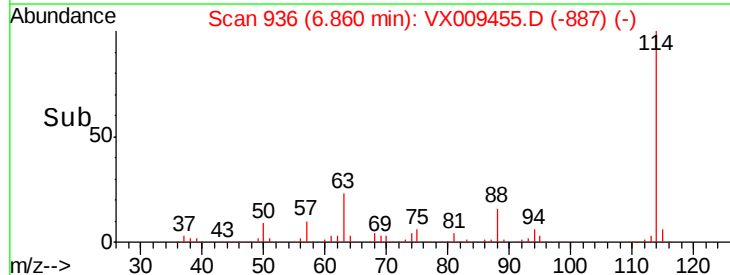
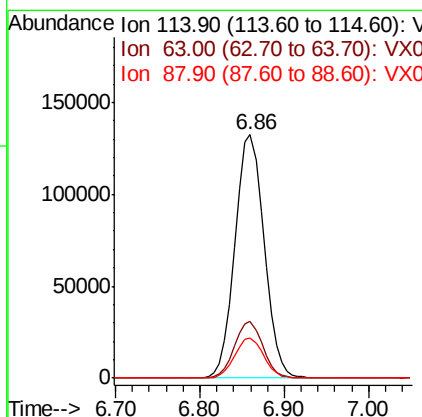
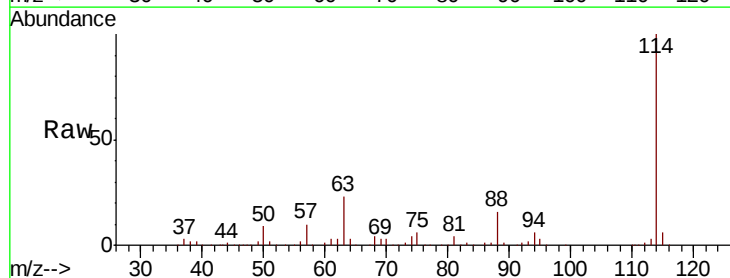
Instrument :
 MSVOA_X
 ClientSampled :

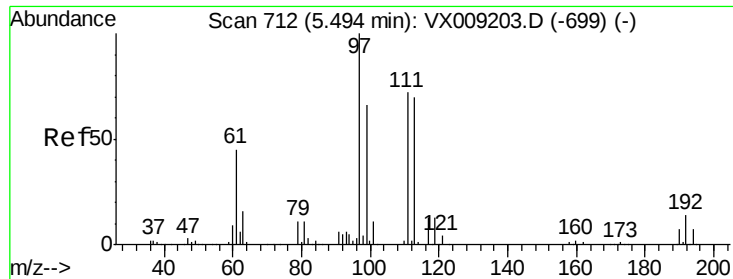
Tot Ion: 65 Resp: 125429
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009455.D
 Acq: 10 May 2019 02:40

Tgt Ion: 114 Resp: 310081
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 45.6
 88 16.3 0.0 33.2

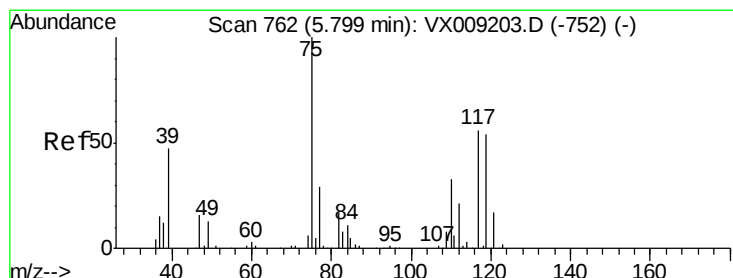
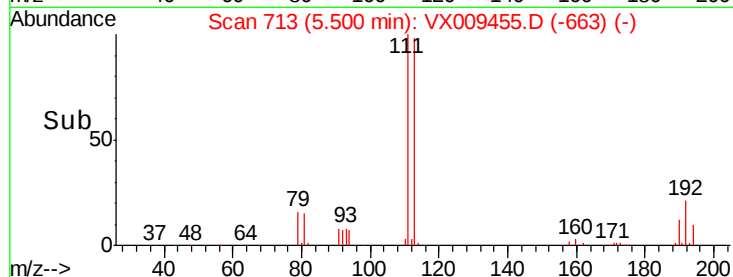
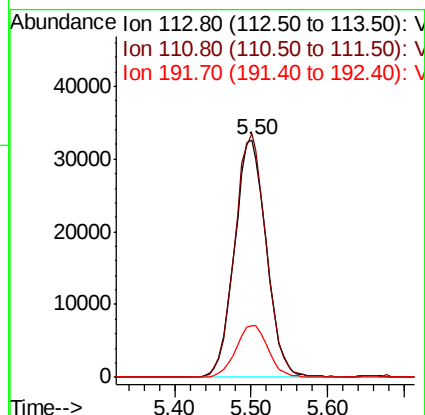
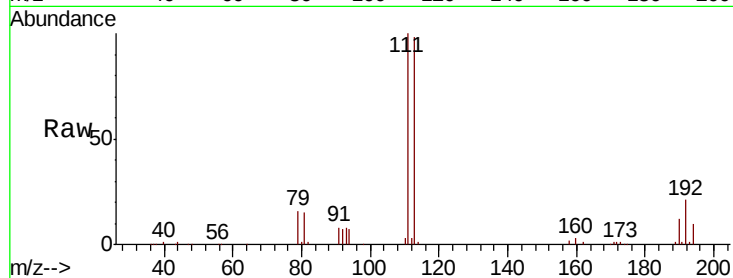




#35
 Dibromofluoromethane
 Concen: 48.315 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009455.D
 Acq: 10 May 2019 02:40

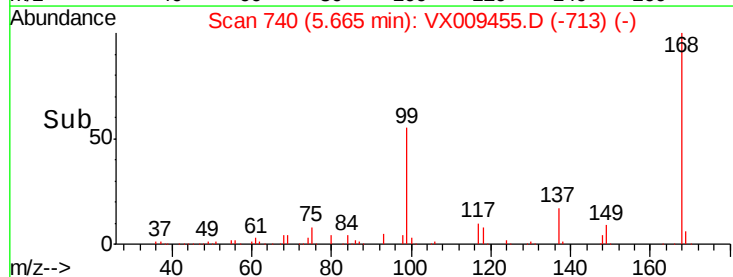
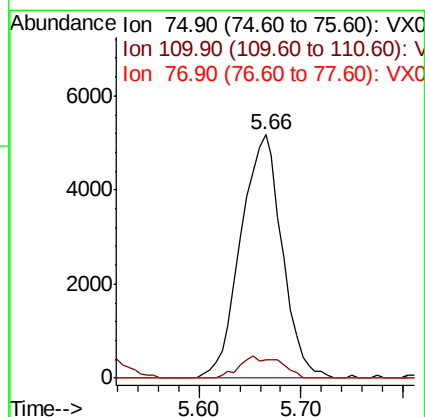
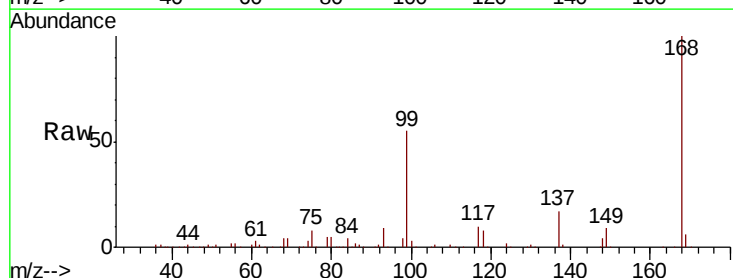
Instrument :
 MSVOA_X
 ClientSampleId :

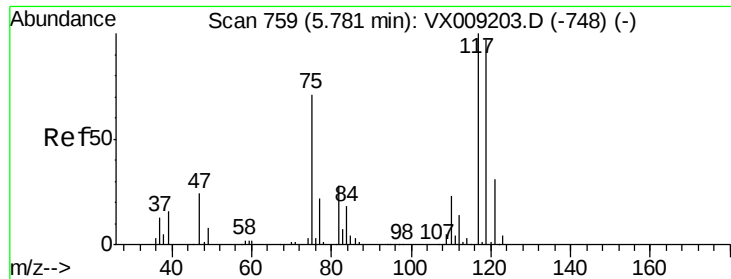
Tot Ion:113 Resp: 94180
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.8 124.2
 192 22.1 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.050 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009455.D
 Acq: 10 May 2019 02:40

Tgt Ion: 75 Resp: 14552
 Ion Ratio Lower Upper
 75 100
 110 9.1 16.9 50.6#
 77 0.0 24.8 37.2#

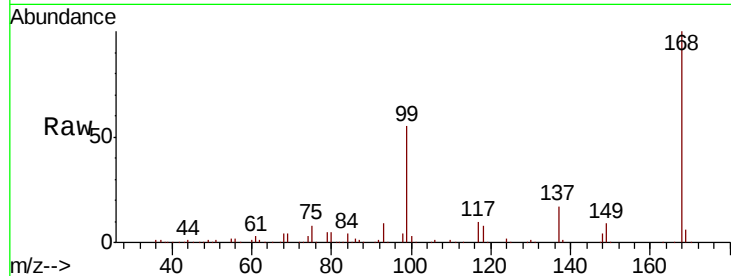




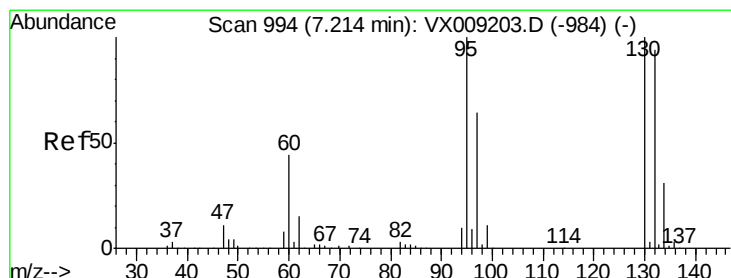
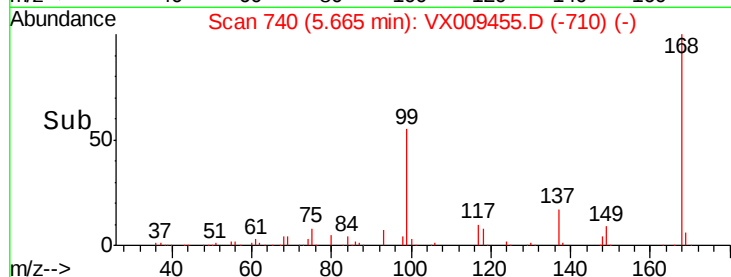
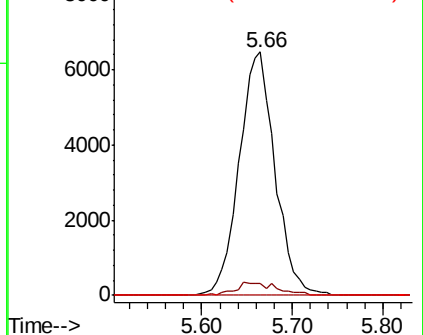
#38
Carbon Tetrachloride
Concen: 6.757 ug/l
RT: 5.66 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX009455.D
Acq: 10 May 2019 02:40

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 17692
Ion Ratio Lower Upper
117 100
119 4.9 77.5 116.3#
121 0.0 24.7 37.1#

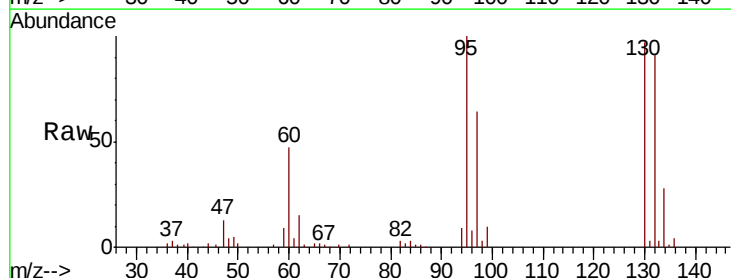


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

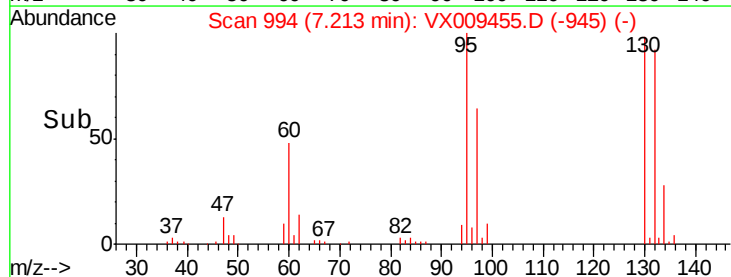
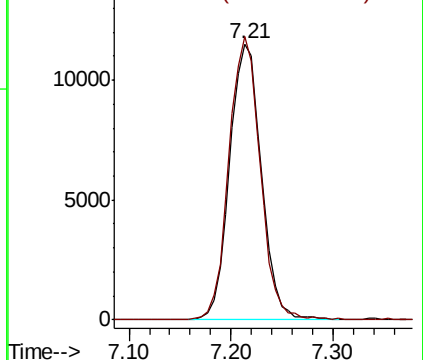


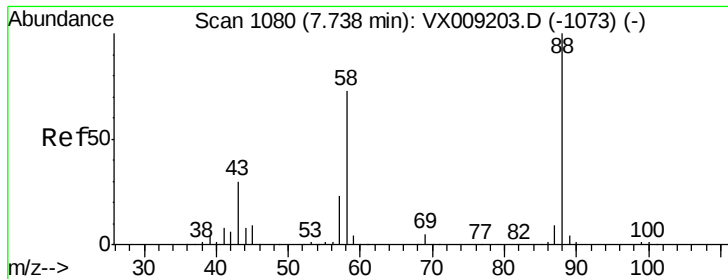
#44
Trichloroethene
Concen: 11.441 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX009455.D
Acq: 10 May 2019 02:40

Tgt Ion:130 Resp: 24666
Ion Ratio Lower Upper
130 100
95 102.7 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V





#49

1,4-Dioxane

Concen: 0.340 ug/l

RT: 8.01 min Scan# 1124

Delta R.T. 0.27 min

Lab File: VX009455.D

Acq: 10 May 2019 02:40

Instrument :

MSVOA_X

ClientSampleId :

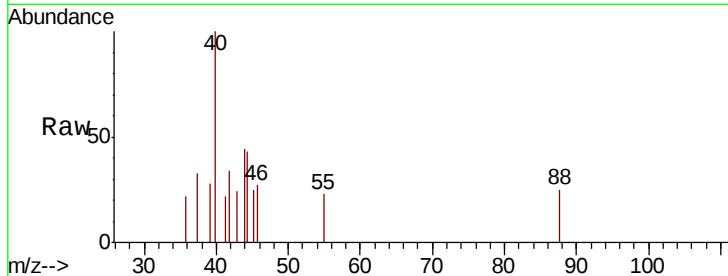
Tot Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 0.0 28.6 42.8#

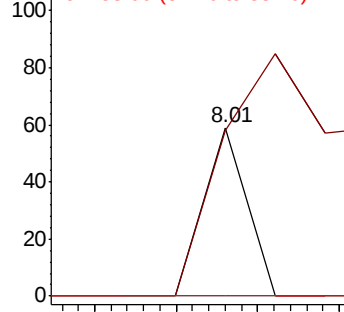
58 0.0 61.7 92.5#



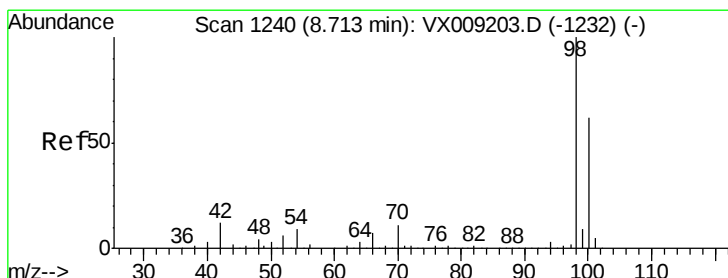
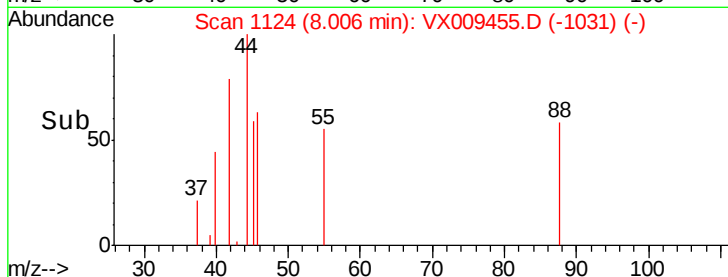
Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#50

Toluene-d8

Concen: 48.946 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009455.D

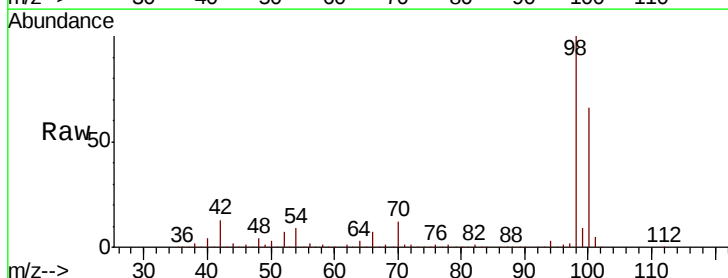
Acq: 10 May 2019 02:40

Tgt Ion: 98 Resp: 385191

Ion Ratio Lower Upper

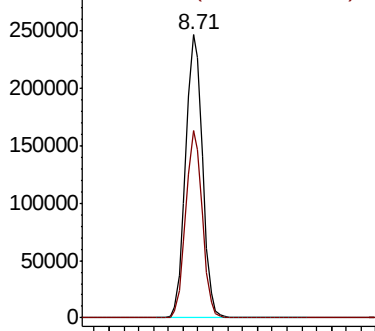
98 100

100 64.8 51.2 76.8

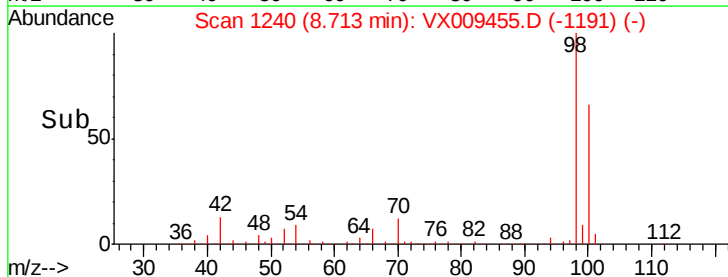


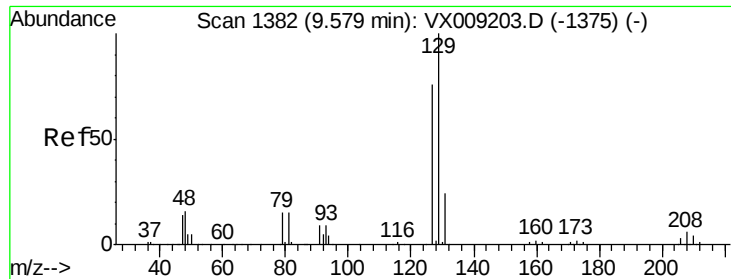
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



Time-->





#60

Dibromochloromethane

Concen: 3.123 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX009455.D

Acq: 10 May 2019 02:40

Instrument :

MSVOA_X

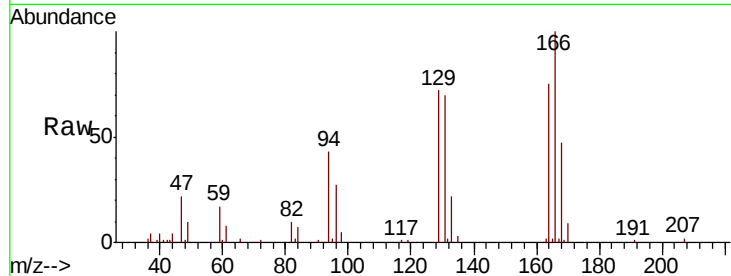
ClientSampleId :

Tot Ion:129 Resp: 6747

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.34

5000

4000

3000

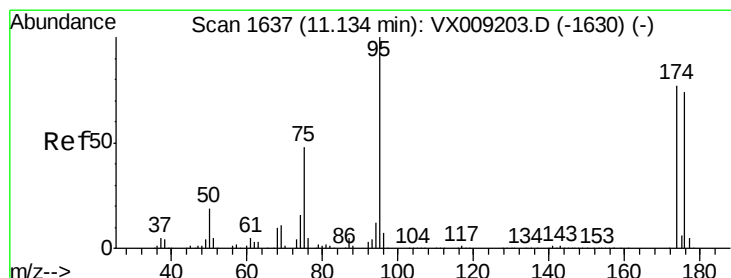
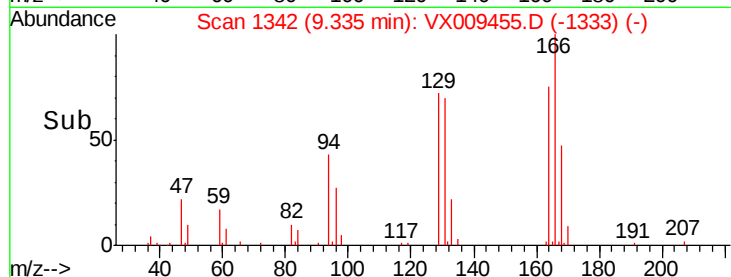
2000

1000

0

9.30 9.35 9.40

Time-->



#62

4-Bromofluorobenzene

Concen: 45.485 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009455.D

Acq: 10 May 2019 02:40

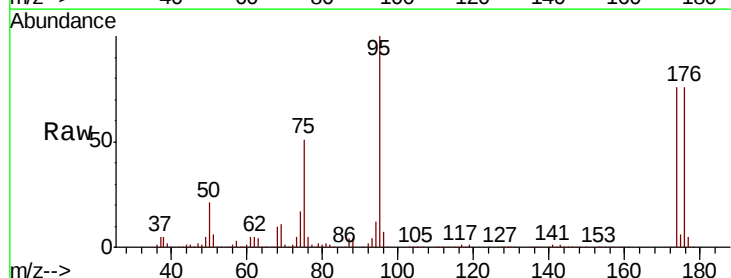
Tgt Ion: 95 Resp: 130068

Ion Ratio Lower Upper

95 100

174 82.5 0.0 161.6

176 80.9 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

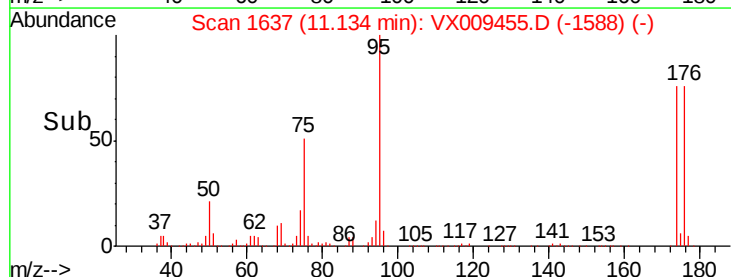
100000

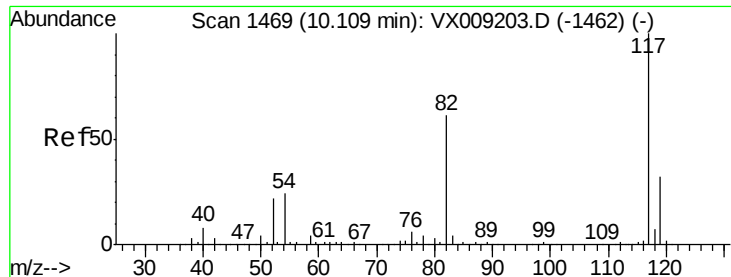
50000

0

11.10 11.20 11.30

Time-->

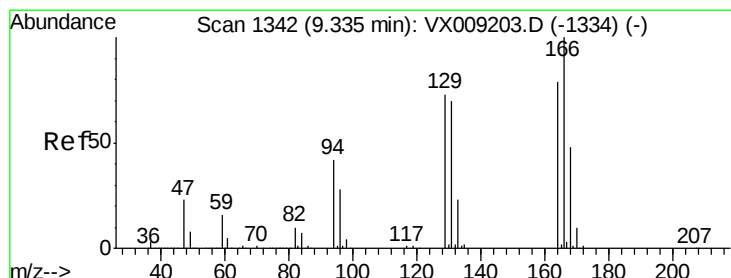
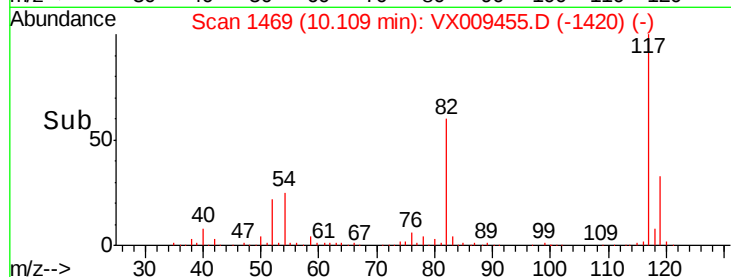
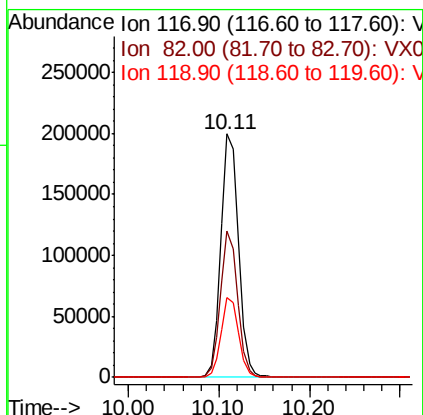
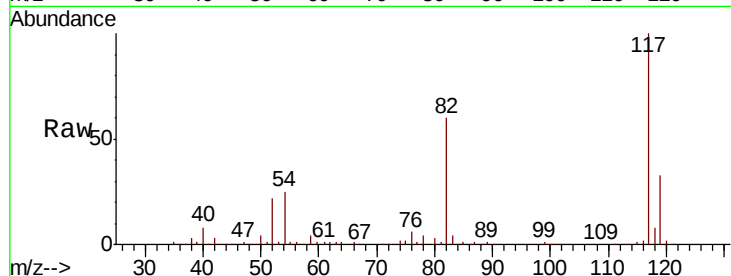




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009455.D
Acq: 10 May 2019 02:40

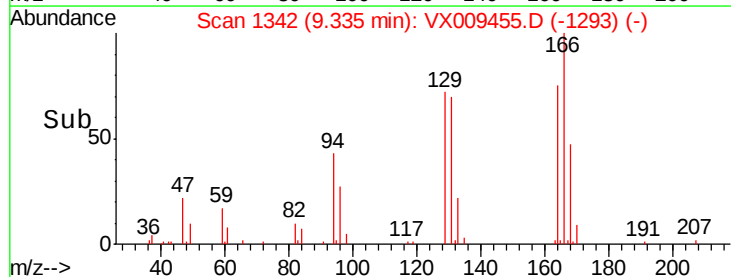
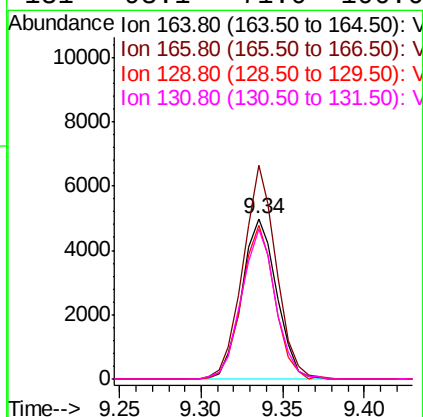
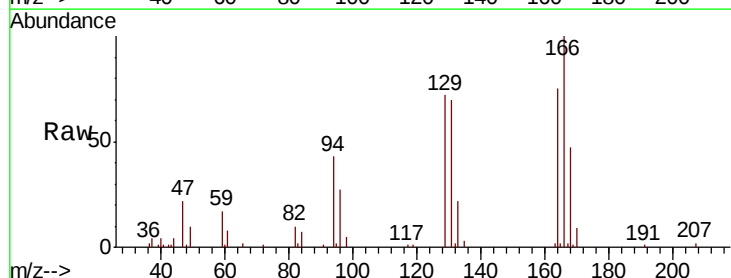
Instrument :
MSVOA_X
ClientSampled :

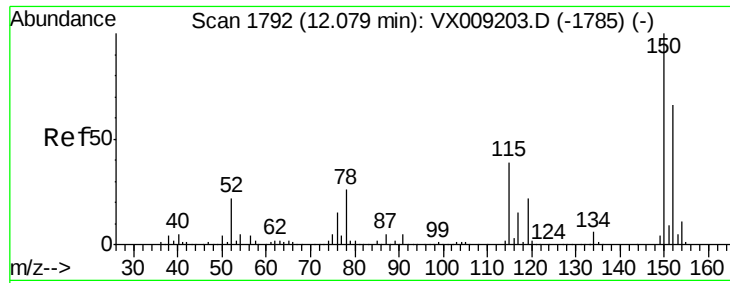
Tot Ion:117 Resp: 272619
Ion Ratio Lower Upper
117 100
82 60.3 48.8 73.2
119 32.5 25.8 38.6



#64
Tetrachloroethene
Concen: 3.957 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009455.D
Acq: 10 May 2019 02:40

Tgt Ion:164 Resp: 7400
Ion Ratio Lower Upper
164 100
166 133.0 101.2 151.8
129 95.9 74.3 111.5
131 93.1 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: VX009455.D

Acq: 10 May 2019 02:40

Instrument :

MSVOA_X

ClientSampleId :

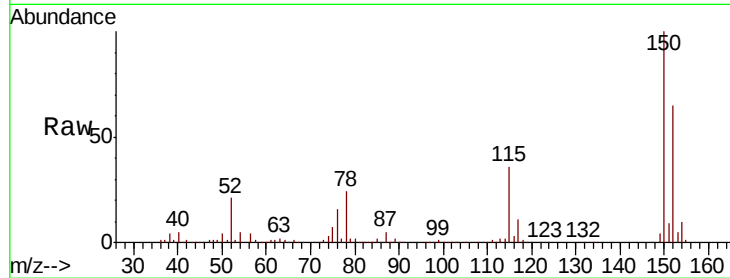
Tot Ion:152 Resp: 121356

Ion Ratio Lower Upper

152 100

115 57.3 41.2 123.6

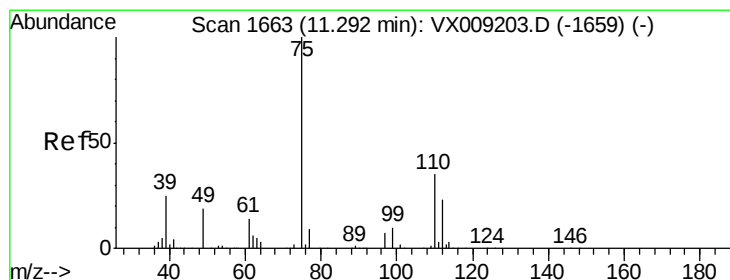
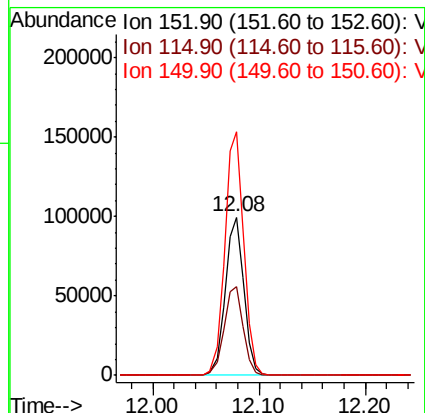
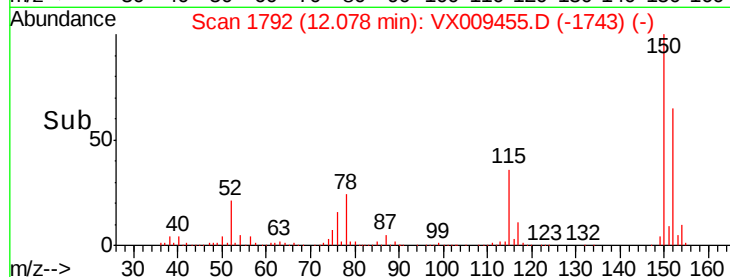
150 156.5 0.0 346.4



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: 23.508 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009455.D

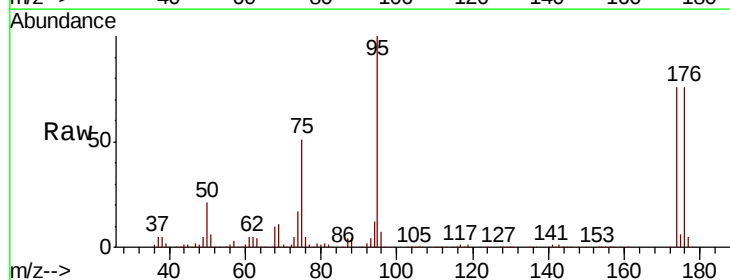
Acq: 10 May 2019 02:40

Tgt Ion: 75 Resp: 66175

Ion Ratio Lower Upper

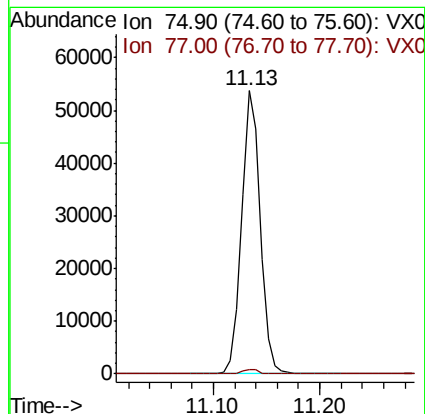
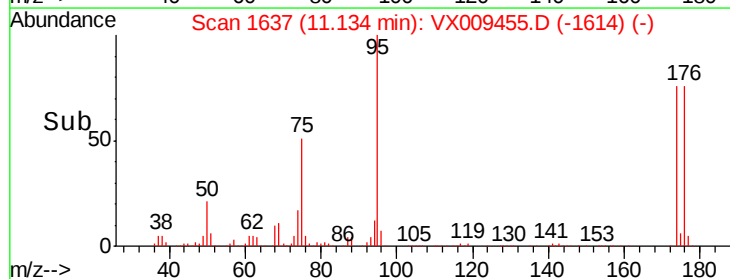
75 100

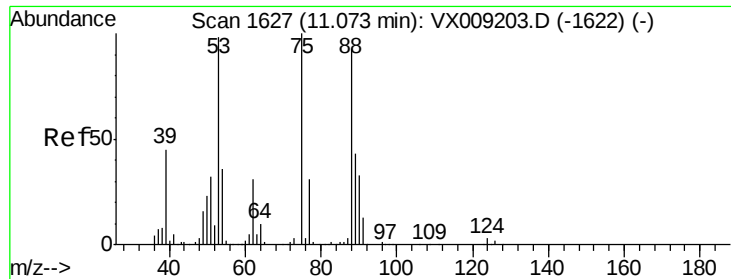
77 1.4 22.1 66.1#



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: 60.148 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009455.D

Acq: 10 May 2019 02:40

Instrument :

MSVOA_X

ClientSampleId :

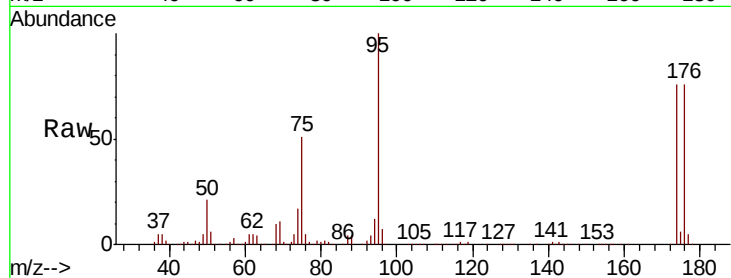
Tot Ion: 75 Resp: 66175

Ion Ratio Lower Upper

75 100

53 0.0 79.0 118.6#

89 0.0 34.7 52.1#



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

