

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100919\
 Data File : VX012942.D
 Acq On : 09 Oct 2019 14:59
 Operator : JC/SP
 Sample : K5234-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW0127

Quant Time: Oct 10 01:37:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	174476	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	291521	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	244256	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	90738	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	113812	52.19	ug/l	0.00
Spiked Amount			Recovery	=	104.38%	
35) Dibromofluoromethane	5.49	113	87585	52.35	ug/l	0.00
Spiked Amount			Recovery	=	104.70%	
50) Toluene-d8	8.71	98	340092	52.12	ug/l	0.00
Spiked Amount			Recovery	=	104.24%	
62) 4-Bromofluorobenzene	11.14	95	113613	44.81	ug/l	0.00
Spiked Amount			Recovery	=	89.62%	

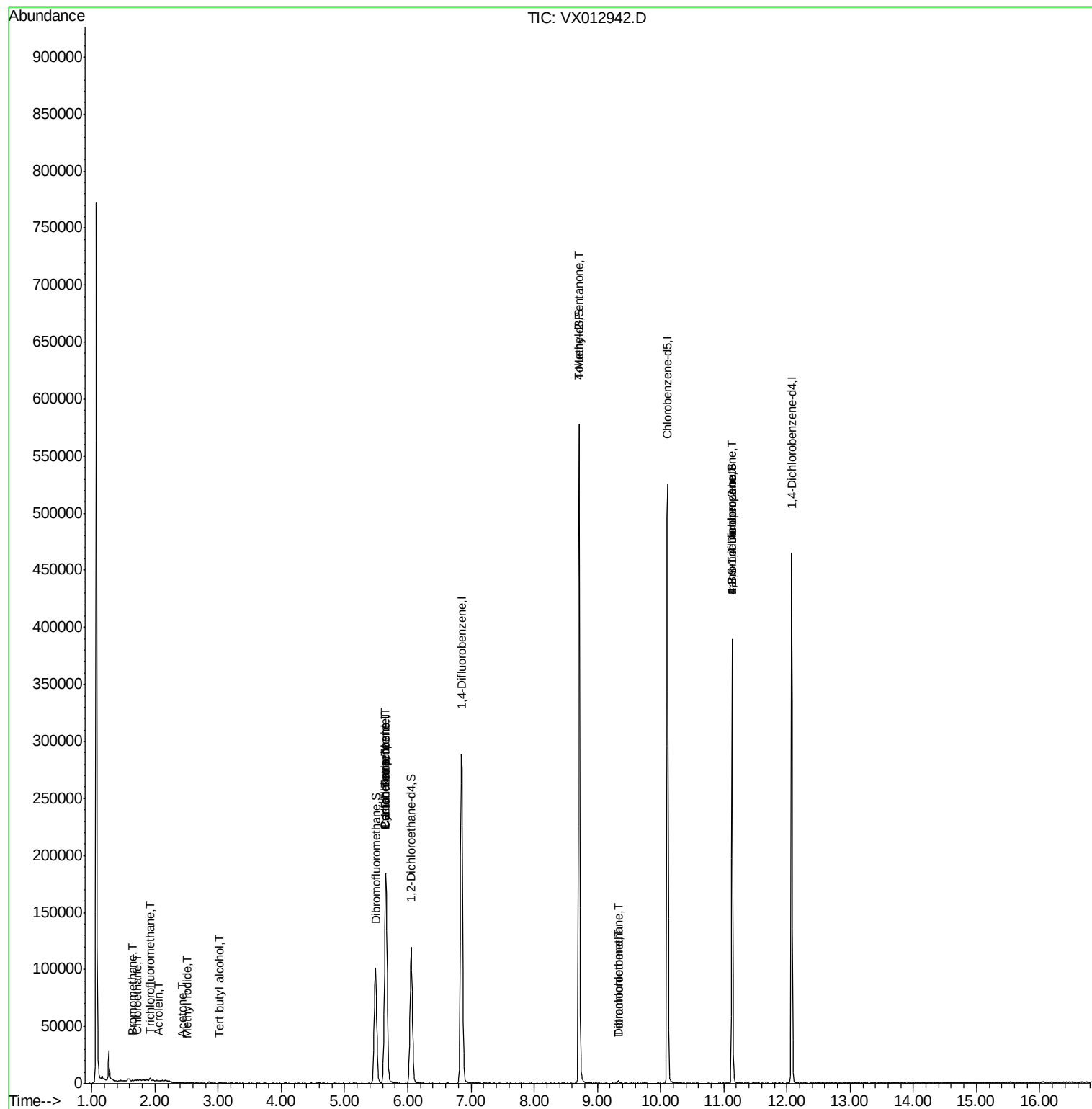
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	172	0.207	ug/l #	3
6) Chloroethane	1.72	64	520	0.791	ug/l #	43
7) Trichlorofluoromethane	1.92	101	1220	0.452	ug/l	95
10) Methyl Iodide	2.50	142	46	5.103	ug/l #	40
11) Tert butyl alcohol	3.03	59	780	1.349	ug/l #	90
13) Acrolein	2.05	56	87	0.212	ug/l #	56
16) Acetone	2.44	43	577	0.502	ug/l #	43
31) Cyclohexane	5.65	56	3763	1.189	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	14098	5.500	ug/l #	42
38) Carbon Tetrachloride	5.65	117	17837	7.150	ug/l #	17
51) 4-Methyl-2-Pentanone	8.71	43	1410	0.492	ug/l #	1
60) Dibromochloromethane	9.33	129	343	2.012	ug/l #	10
64) Tetrachloroethene	9.33	164	395	0.233	ug/l #	58
76) 1,2,3-Trichloropropane	11.14	75	56460	28.054	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	56460	70.331	ug/l #	10

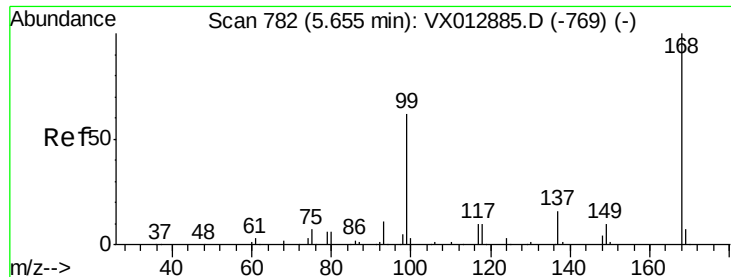
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 09 01:51:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX012942.D

Acq: 09 Oct 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

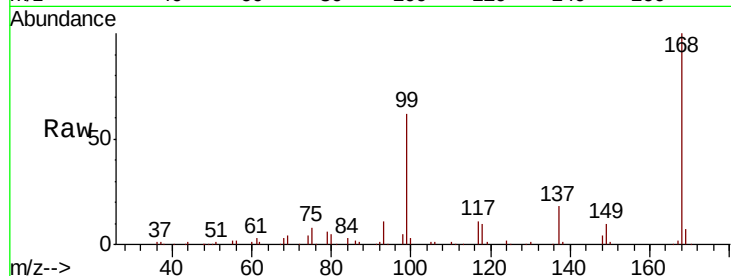
FA19-MMW0127

Tot Ion:168 Resp: 174476

Ion Ratio Lower Upper

168 100

99 61.8 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

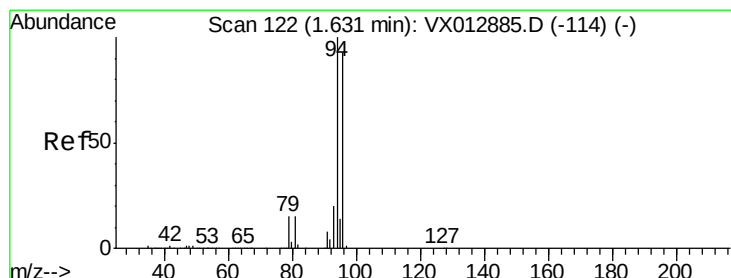
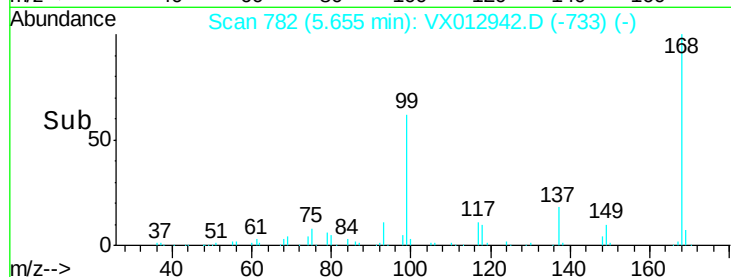
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.207 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX012942.D

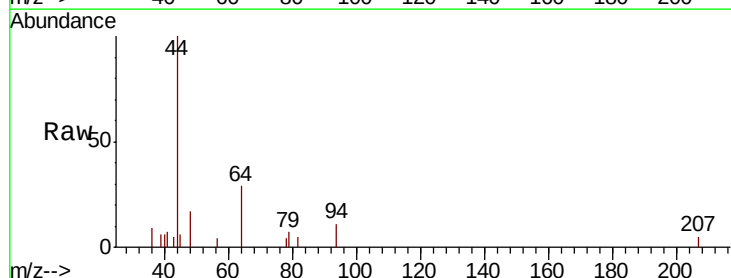
Acq: 09 Oct 2019 14:59

Tgt Ion: 94 Resp: 172

Ion Ratio Lower Upper

94 100

96 0.0 74.7 112.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

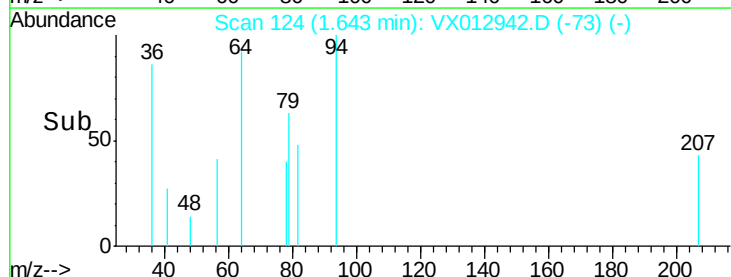
150

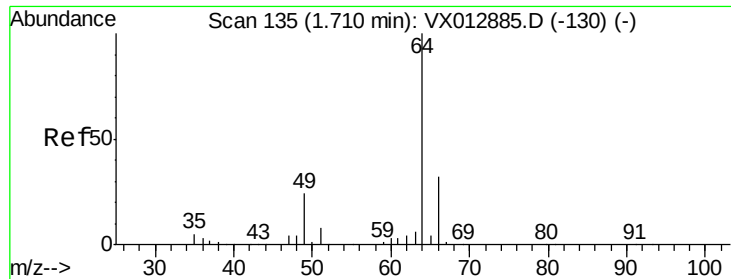
100

50

0

Time--> 1.62 1.64 1.66 1.68





#6

Chloroethane

Concen: 0.791 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX012942.D

Acq: 09 Oct 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

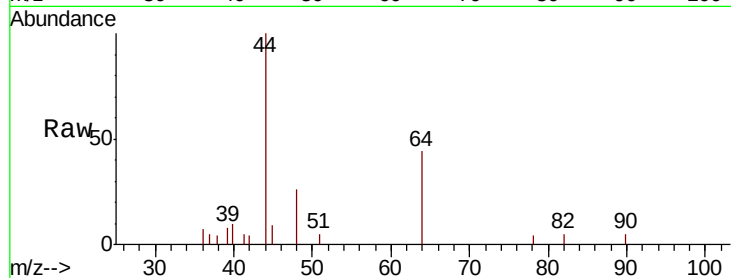
FA19-MMW0127

Tot Ion: 64 Resp: 520

Ion Ratio Lower Upper

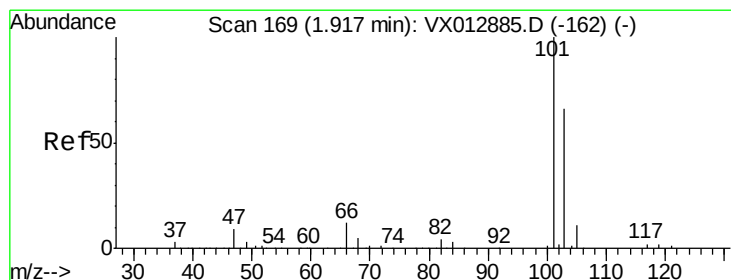
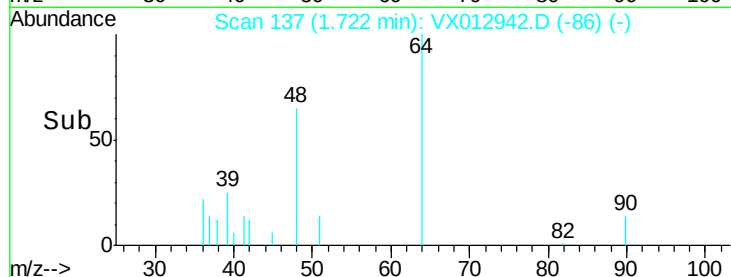
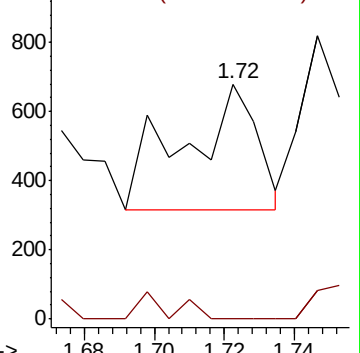
64 100

66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#7

Trichlorofluoromethane

Concen: 0.452 ug/l

RT: 1.92 min Scan# 170

Delta R.T. 0.01 min

Lab File: VX012942.D

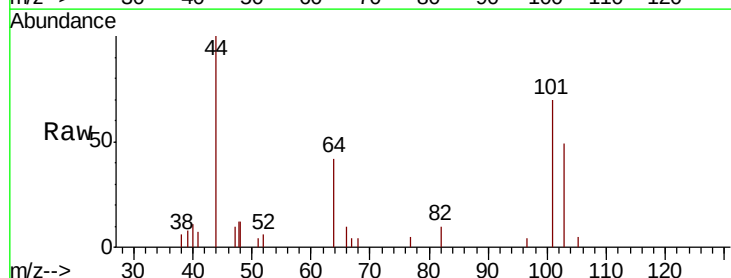
Acq: 09 Oct 2019 14:59

Tgt Ion: 101 Resp: 1220

Ion Ratio Lower Upper

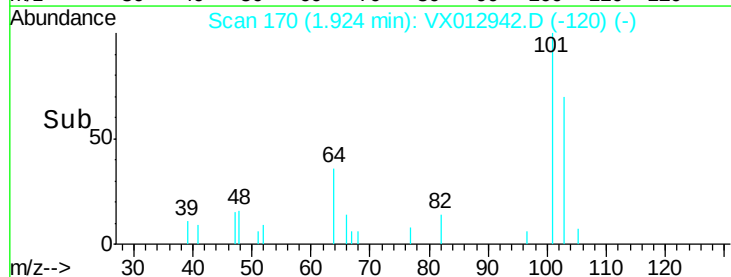
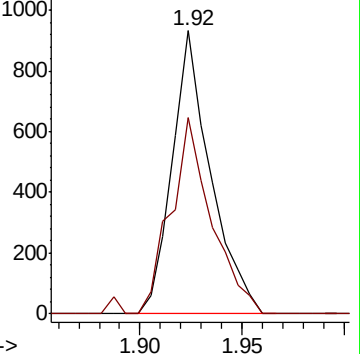
101 100

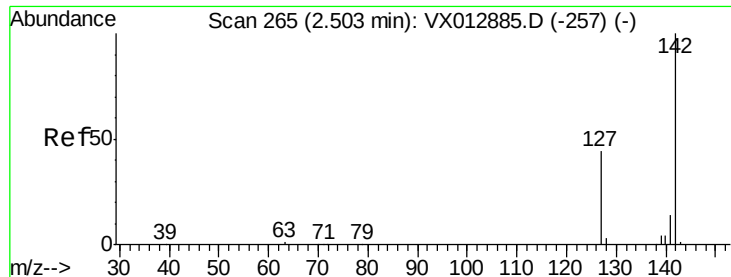
103 69.5 52.5 78.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

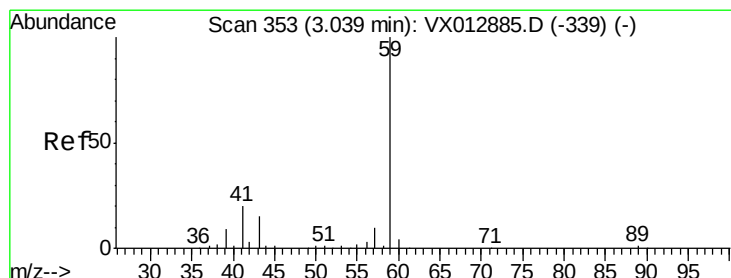
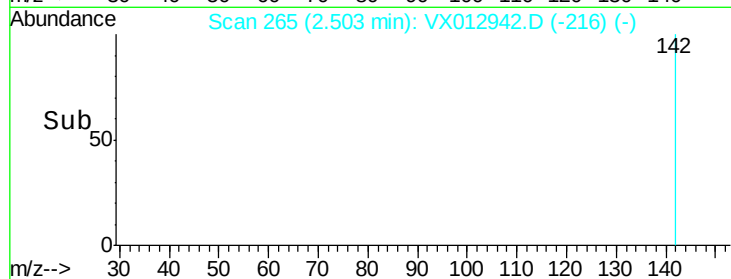
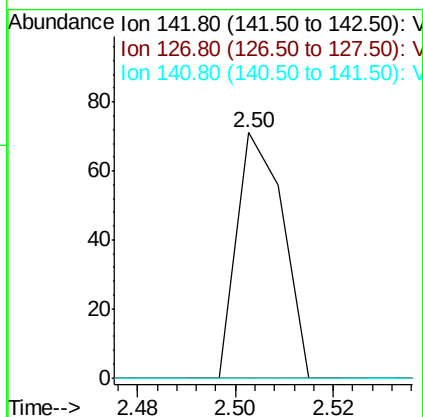
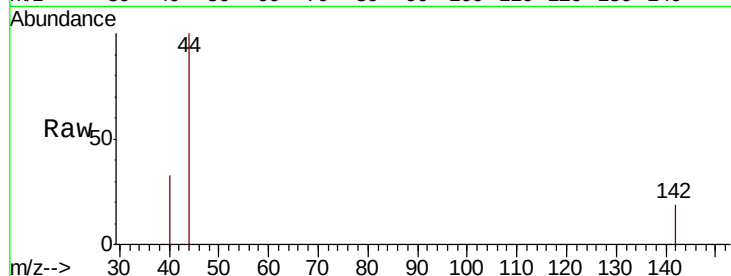




#10
Methyl Iodide
Concen: 5.103 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX012942.D
Acq: 09 Oct 2019 14:59

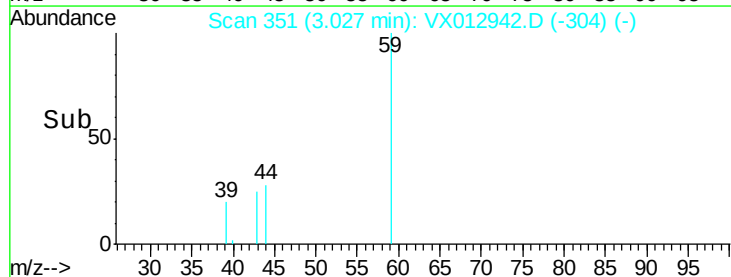
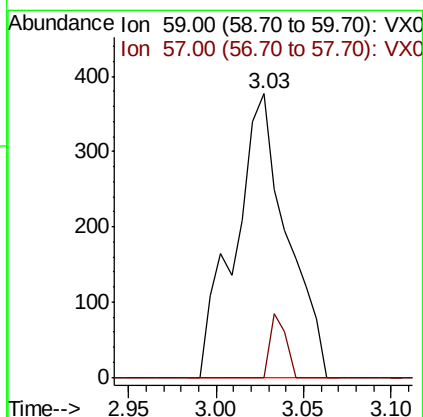
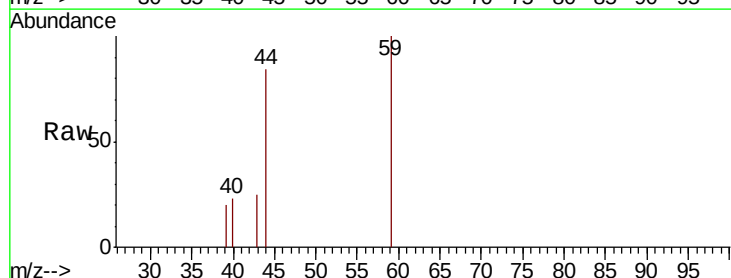
Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW0127

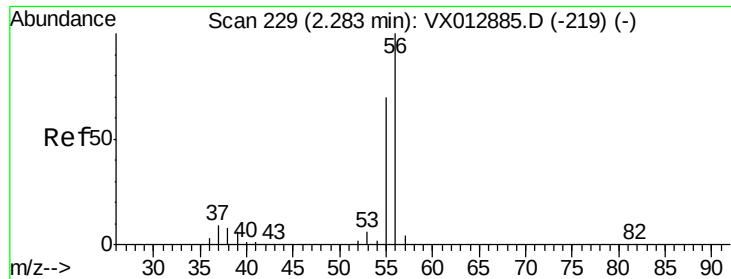
Tot Ion	Ratio	Lower	Upper
142	100		
127	0.0	34.9	52.3#
141	0.0	11.6	17.4#



#11
Tert butyl alcohol
Concen: 1.349 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012942.D
Acq: 09 Oct 2019 14:59

Tgt Ion	Ratio	Lower	Upper
59	100		
57	6.8	8.3	12.5#





#13

Acrolein

Concen: 0.212 ug/l

RT: 2.05 min Scan# 191

Delta R.T. -0.23 min

Lab File: VX012942.D

Acq: 09 Oct 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

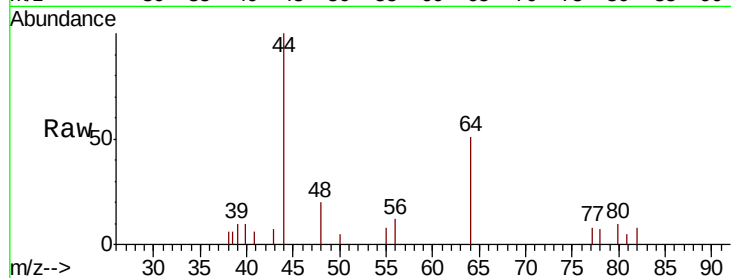
FA19-MMW0127

Tot Ion: 56 Resp: 87

Ion Ratio Lower Upper

56 100

55 34.5 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

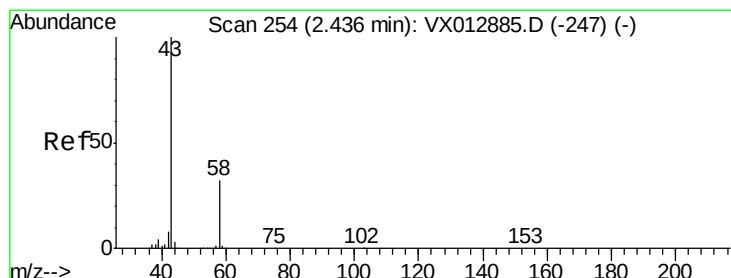
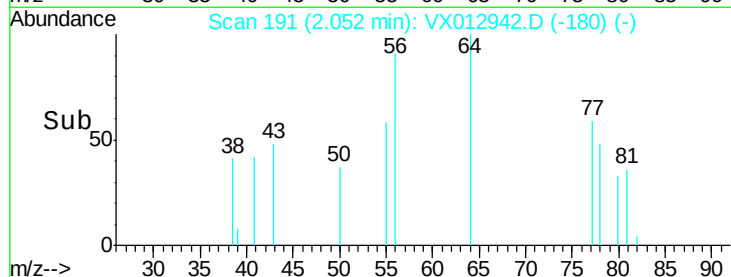
150

100

50

0

Time-->



#16

Acetone

Concen: 0.502 ug/l

RT: 2.44 min Scan# 254

Delta R.T. -0.00 min

Lab File: VX012942.D

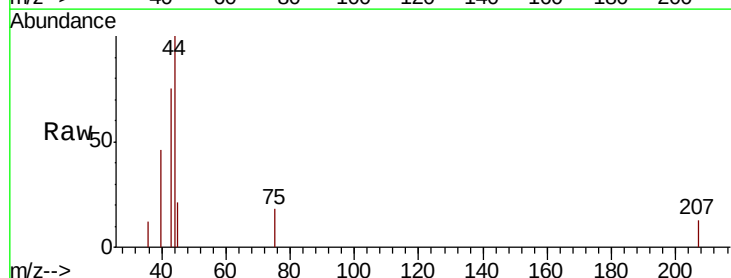
Acq: 09 Oct 2019 14:59

Tgt Ion: 43 Resp: 577

Ion Ratio Lower Upper

43 100

58 0.0 25.4 38.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

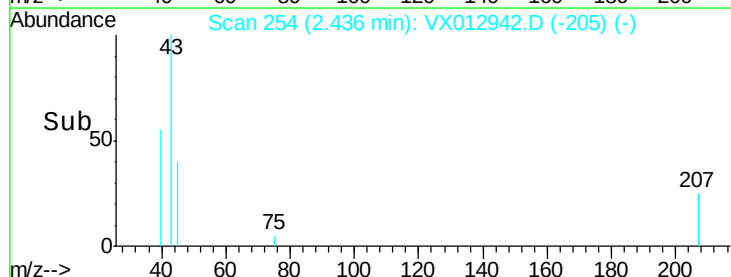
300

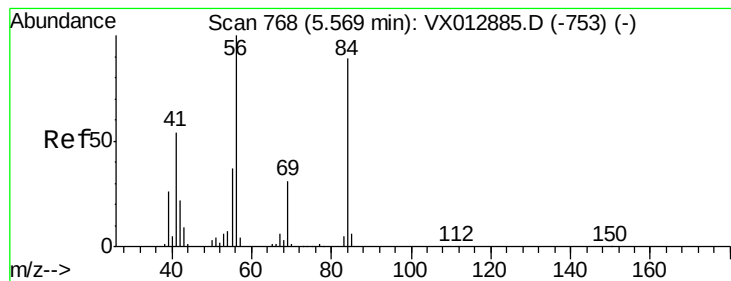
200

100

0

Time-->





#31

Cyclohexane

Concen: 1.189 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012942.D

Acq: 09 Oct 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0127

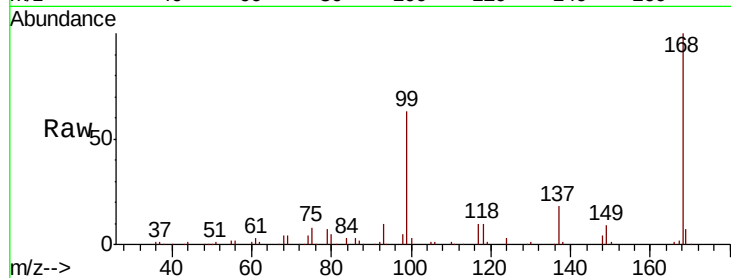
Tot Ion: 56 Resp: 3763

Ion Ratio Lower Upper

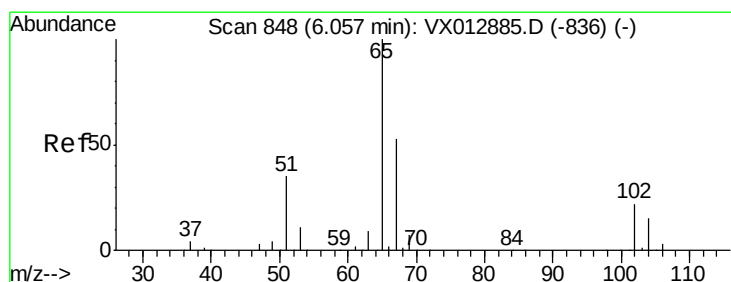
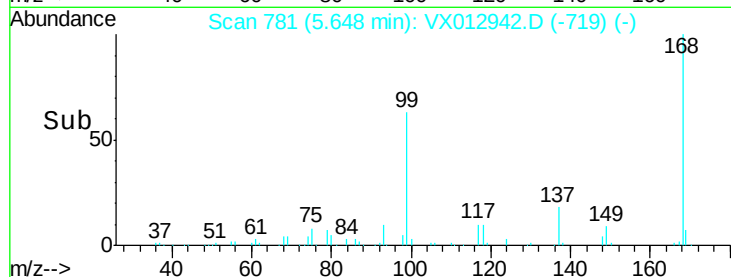
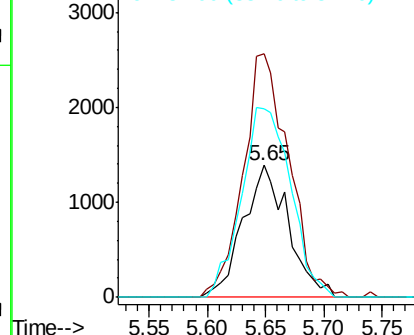
56 100

69 184.7 25.2 37.8#

84 143.2 71.3 106.9#



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: 52.190 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX012942.D

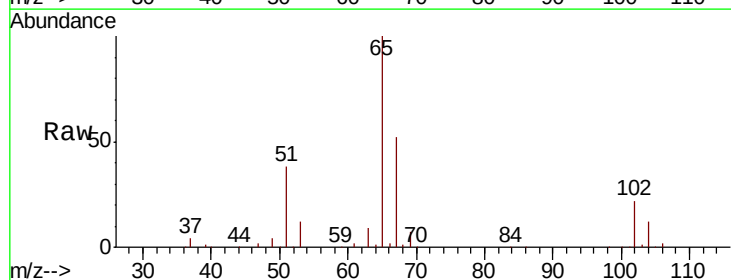
Acq: 09 Oct 2019 14:59

Tgt Ion: 65 Resp: 113812

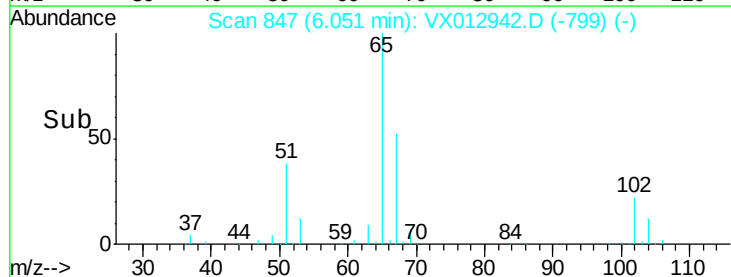
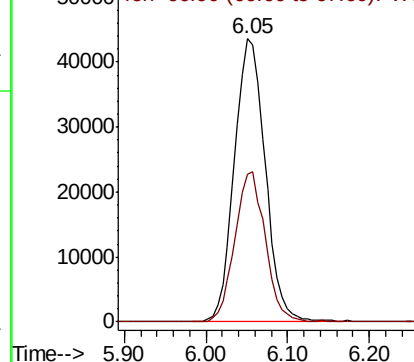
Ion Ratio Lower Upper

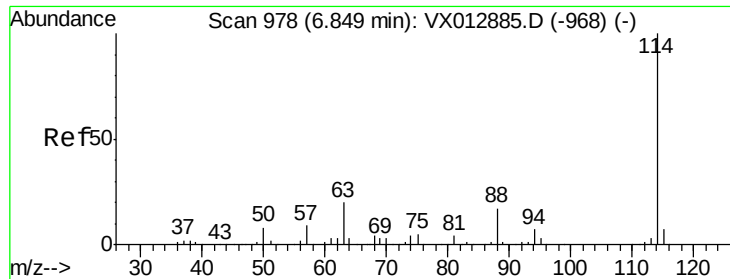
65 100

67 52.2 0.0 104.4



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

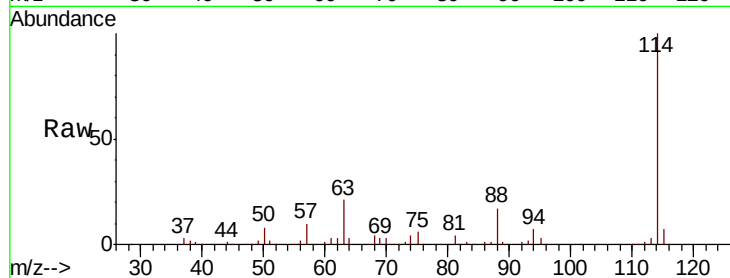




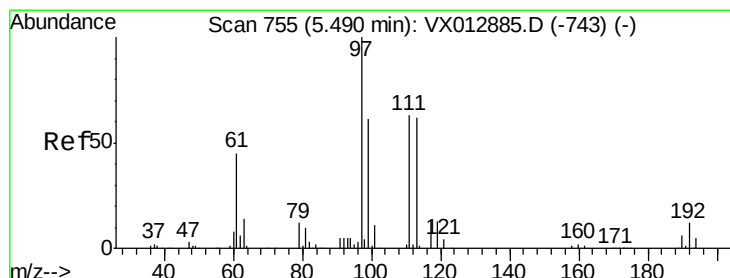
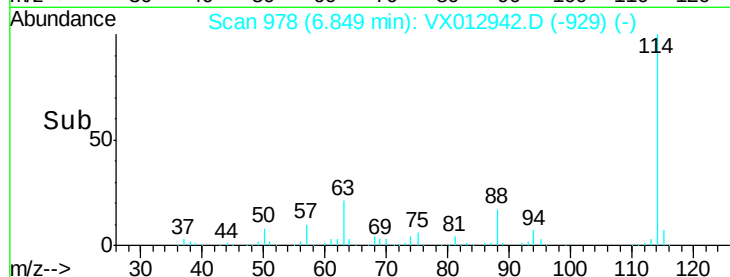
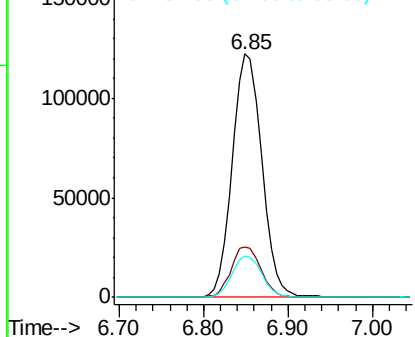
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012942.D
 Acq: 09 Oct 2019 14:59

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW0127

Tot Ion:114 Resp: 291521
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.8
 88 17.2 0.0 33.8

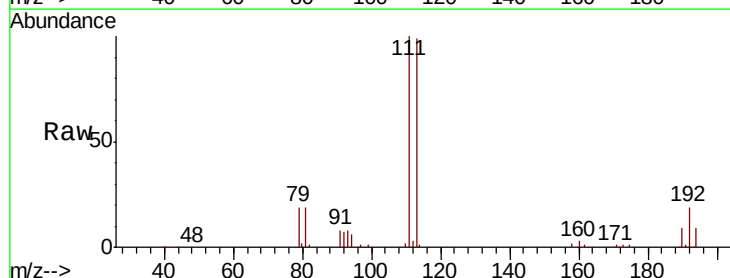


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

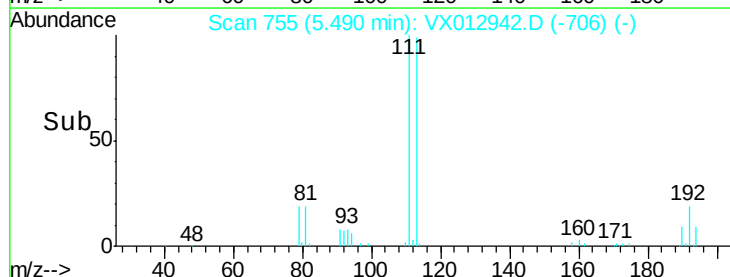
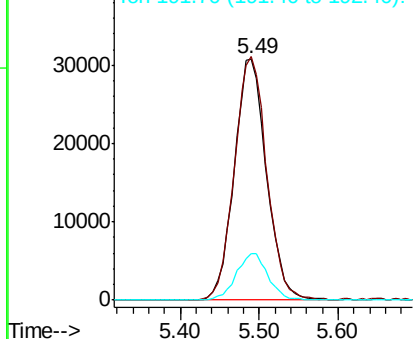


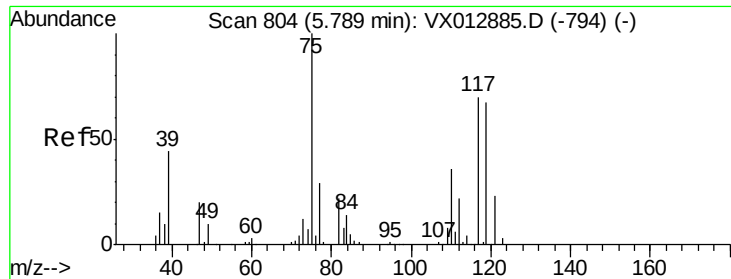
#35
 Dibromofluoromethane
 Concen: 52.347 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX012942.D
 Acq: 09 Oct 2019 14:59

Tgt Ion:113 Resp: 87585
 Ion Ratio Lower Upper
 113 100
 111 101.3 83.2 124.8
 192 18.9 15.4 23.2



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

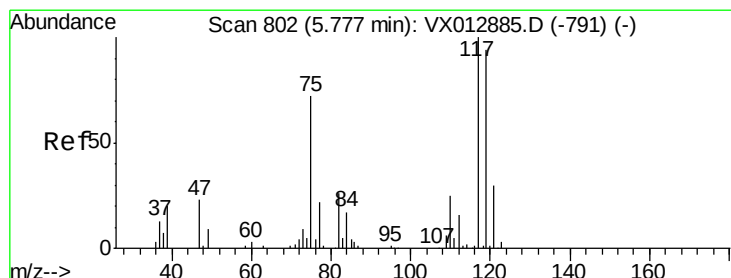
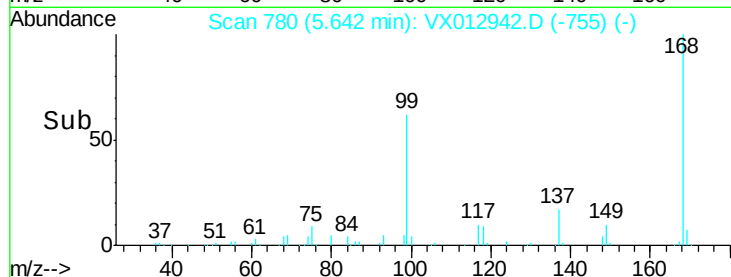
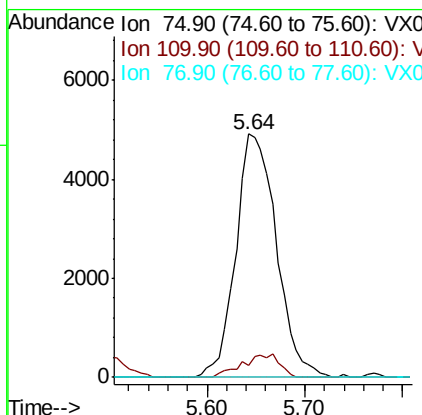
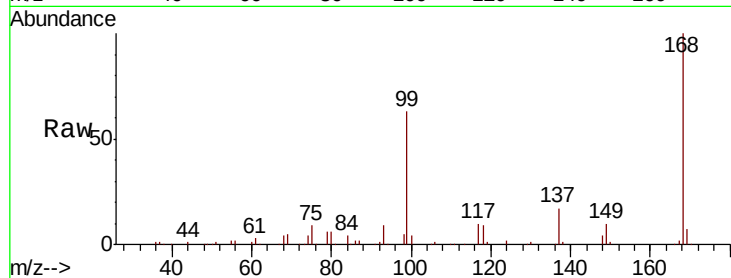




#36
 1,1-Dichloropropene
 Concen: 5.500 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012942.D
 Acq: 09 Oct 2019 14:59

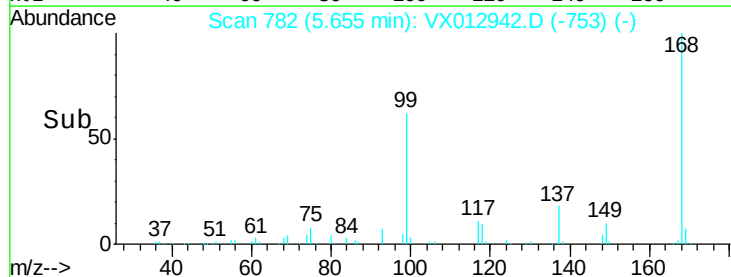
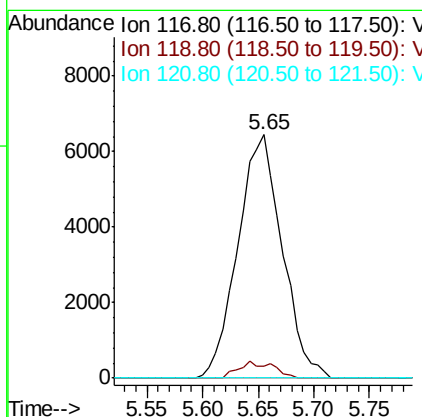
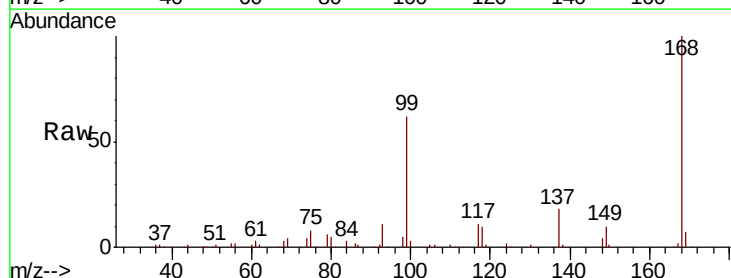
Instrument :
 MSVOA_X
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 FA19-MMW0127

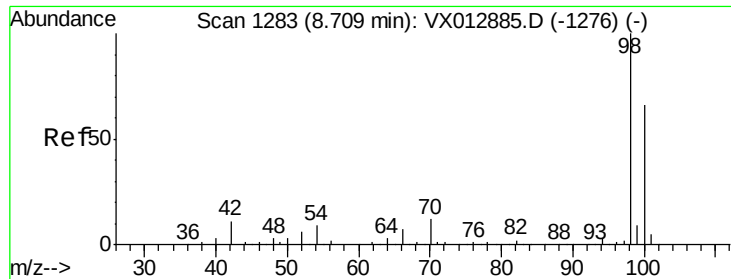
Tot Ion: 75 Resp: 14098
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.6 52.9#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 7.150 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX012942.D
 Acq: 09 Oct 2019 14:59

Tgt Ion: 117 Resp: 17837
 Ion Ratio Lower Upper
 117 100
 119 4.9 74.5 111.7#
 121 0.0 24.2 36.4#

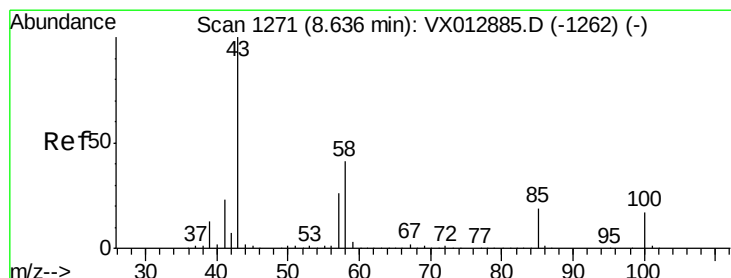
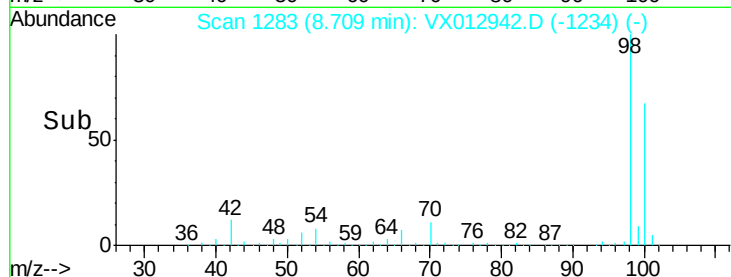
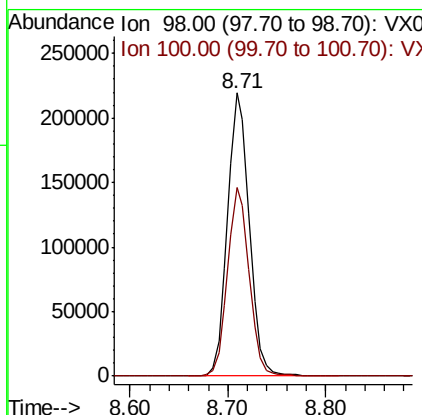
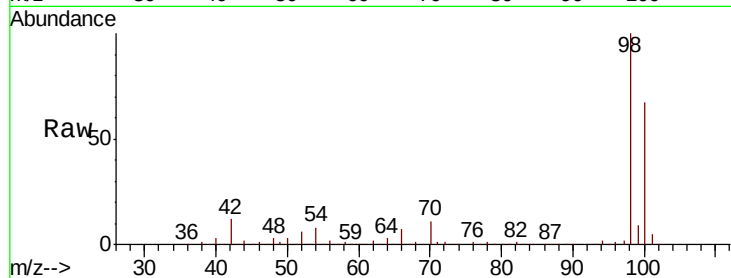




#50
Toluene-d8
Concen: 52.115 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012942.D
Acq: 09 Oct 2019 14:59

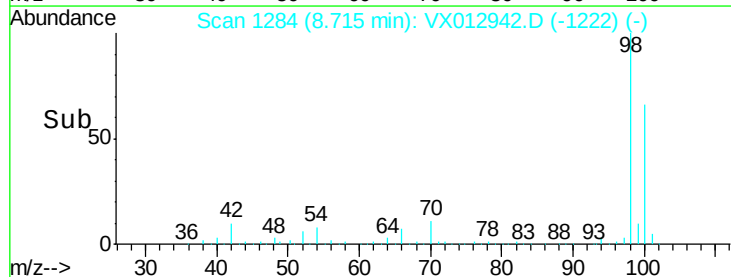
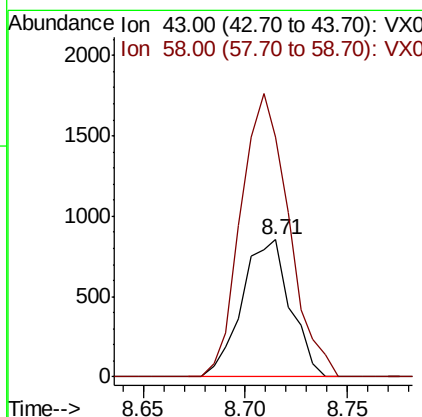
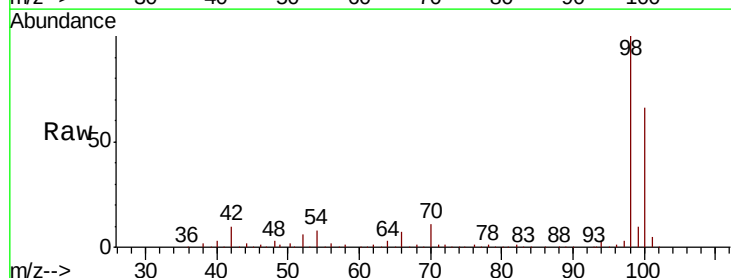
Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW0127

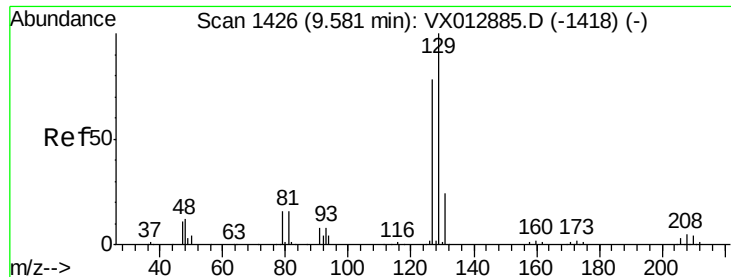
Tot Ion: 98 Resp: 340092
Ion Ratio Lower Upper
98 100
100 66.0 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.492 ug/l
RT: 8.71 min Scan# 1284
Delta R.T. 0.08 min
Lab File: VX012942.D
Acq: 09 Oct 2019 14:59

Tgt Ion: 43 Resp: 1410
Ion Ratio Lower Upper
43 100
58 203.9 32.4 48.6#





#60

Dibromochloromethane

Concen: 2.012 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.25 min

Lab File: VX012942.D

Acq: 09 Oct 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

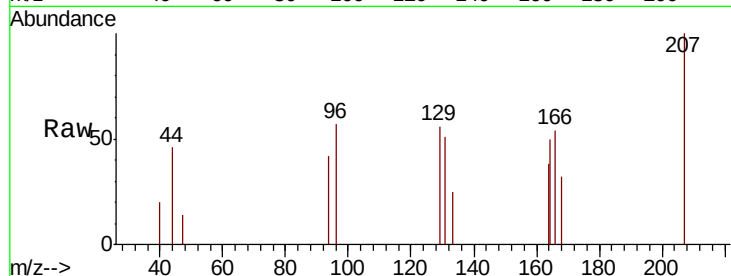
FA19-MMW0127

Tot Ion:129 Resp: 343

Ion Ratio Lower Upper

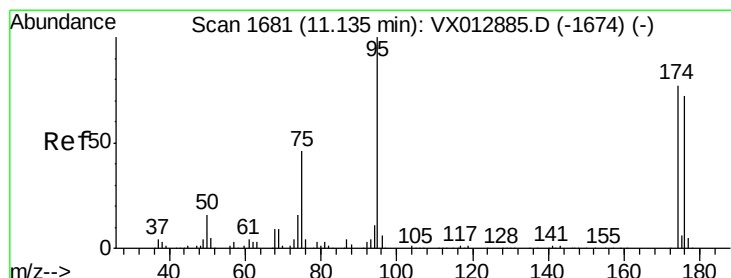
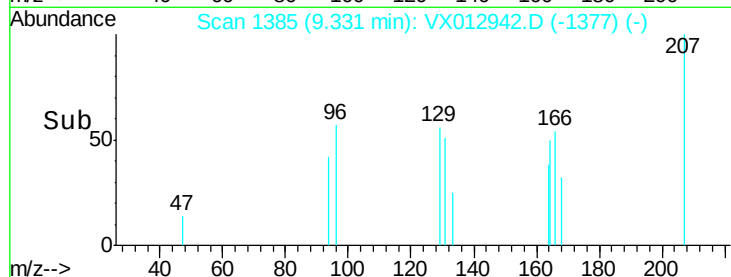
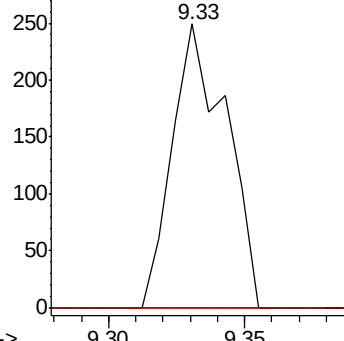
129 100

127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 44.806 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012942.D

Acq: 09 Oct 2019 14:59

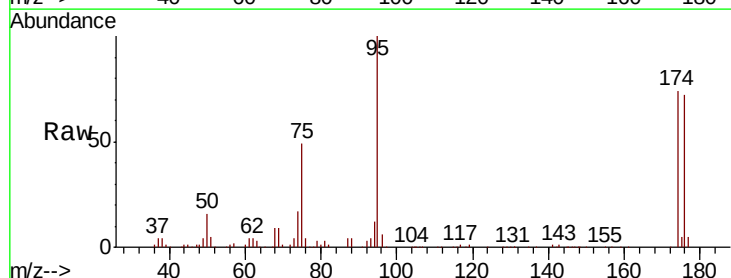
Tgt Ion: 95 Resp: 113613

Ion Ratio Lower Upper

95 100

174 69.3 0.0 143.4

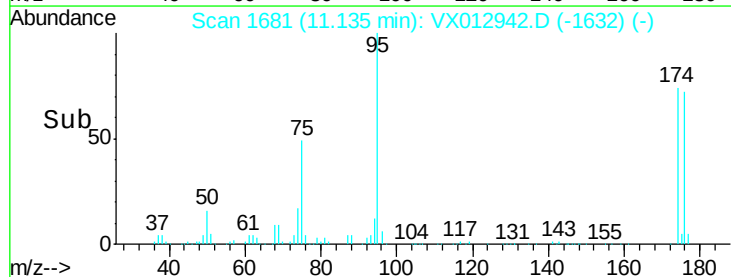
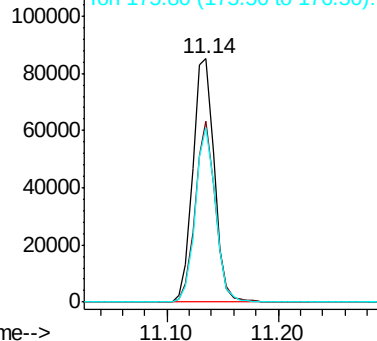
176 67.4 0.0 136.0

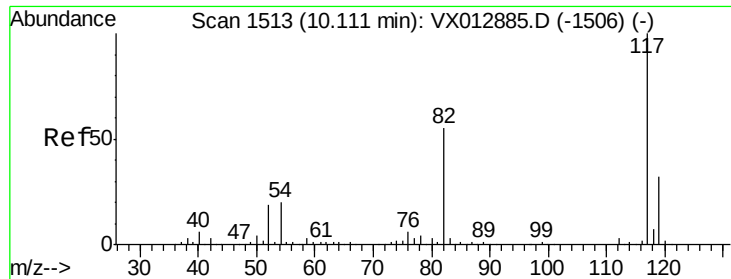


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

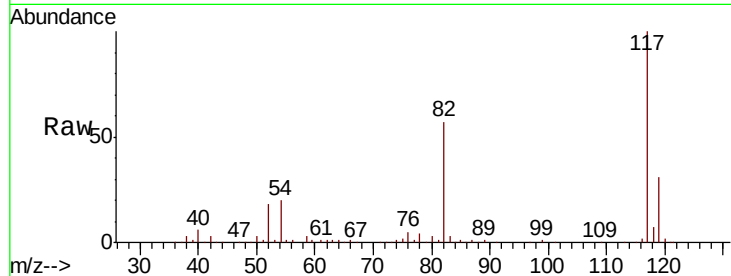




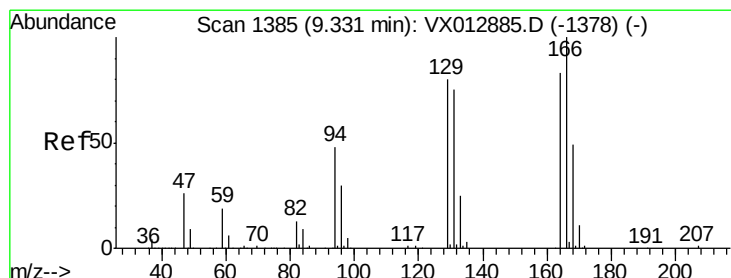
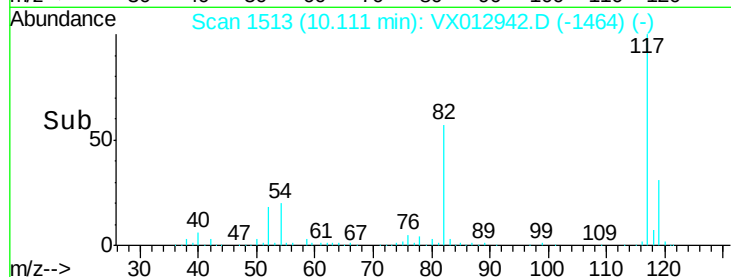
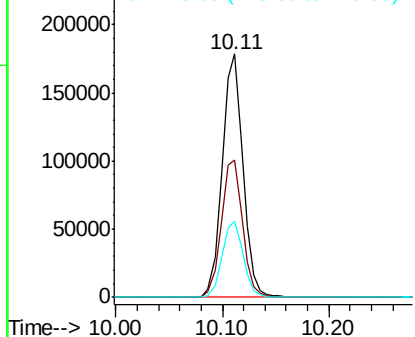
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012942.D
Acq: 09 Oct 2019 14:59

Instrument :
MSVOA_X
ClientSampleId :
FA19-MMW0127

Tot Ion:117 Resp: 244256
Ion Ratio Lower Upper
117 100
82 56.6 44.1 66.1
119 31.4 25.8 38.8

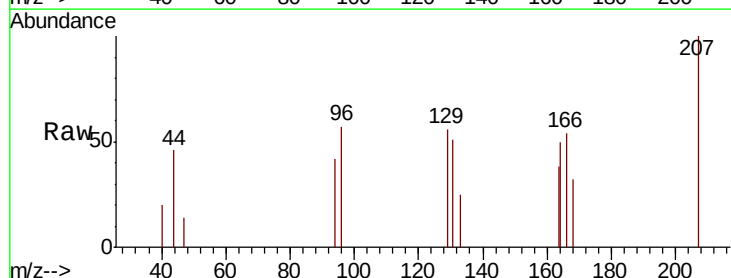


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

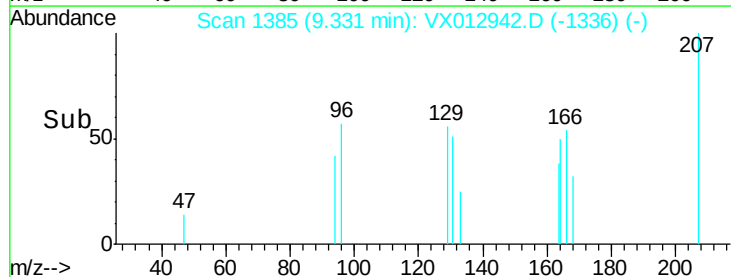
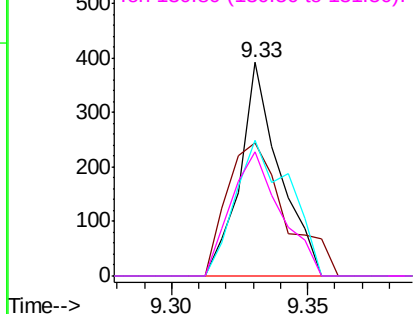


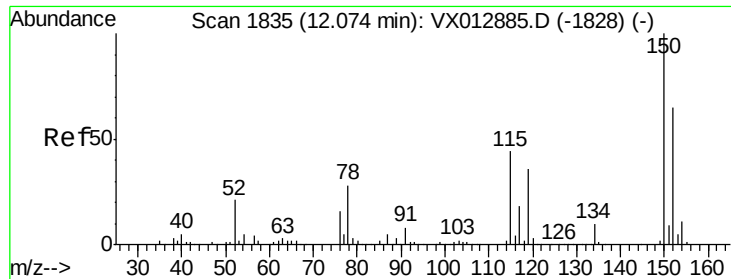
#64
Tetrachloroethene
Concen: 0.233 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012942.D
Acq: 09 Oct 2019 14:59

Tgt Ion:164 Resp: 395
Ion Ratio Lower Upper
164 100
166 62.2 96.9 145.3#
129 63.5 77.9 116.9#
131 58.2 72.7 109.1#



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012942.D

Acq: 09 Oct 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0127

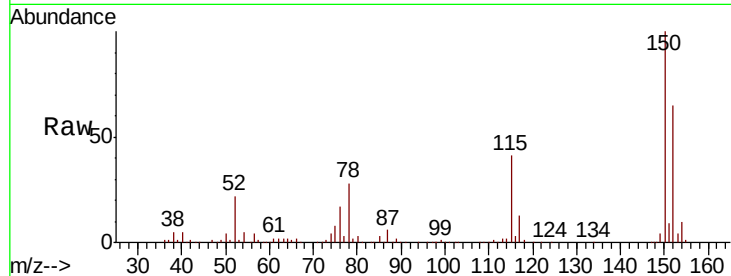
Tot Ion:152 Resp: 90738

Ion Ratio Lower Upper

152 100

115 64.0 44.5 133.5

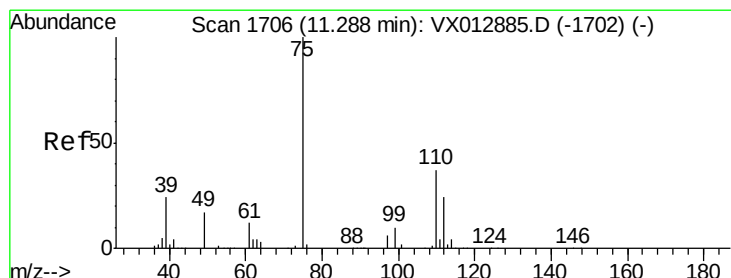
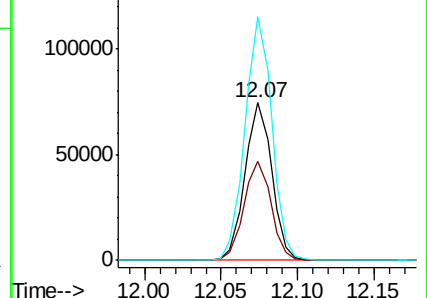
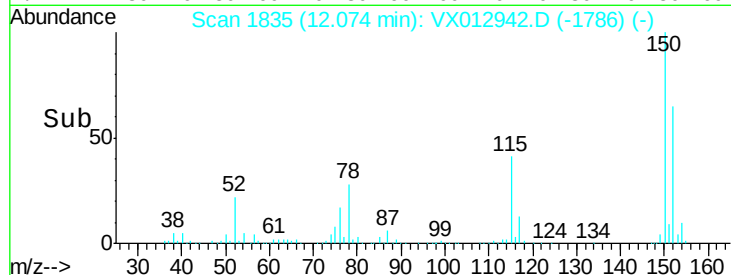
150 155.7 0.0 353.4



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: 28.054 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX012942.D

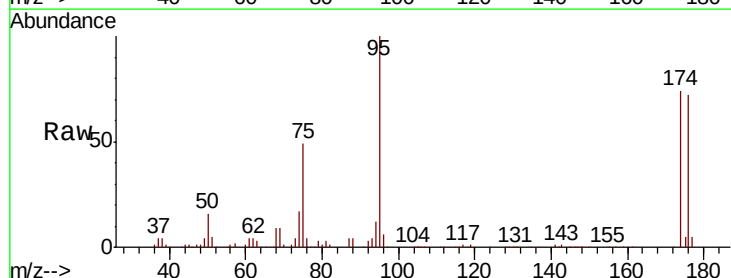
Acq: 09 Oct 2019 14:59

Tgt Ion: 75 Resp: 56460

Ion Ratio Lower Upper

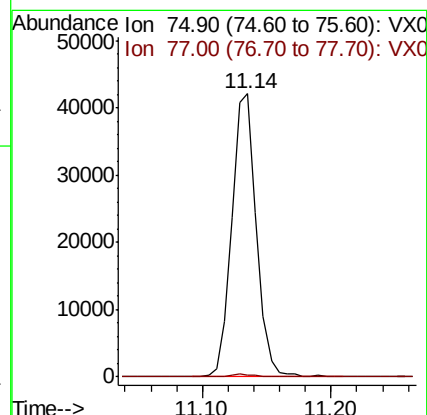
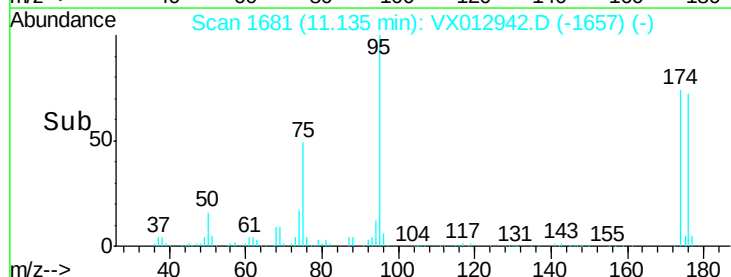
75 100

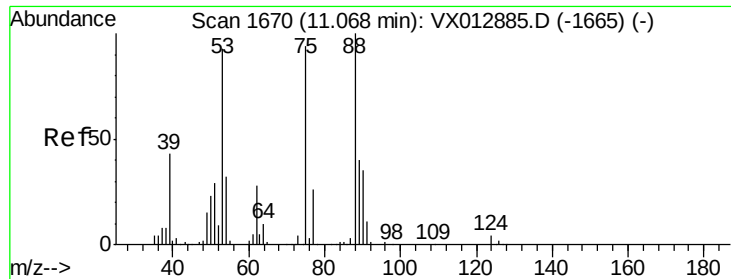
77 1.1 22.9 68.8#



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: 70.331 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012942.D

Acq: 09 Oct 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

FA19-MMW0127

Tot Ion: 75 Resp: 56460

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#

