

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092019\
 Data File : VX012569.D
 Acq On : 20 Sep 2019 19:52
 Operator : JC/SP
 Sample : IBLK2
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK2

Quant Time: Sep 21 01:38:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	182350	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	289570	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	243097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	100828	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	122750	46.97	ug/l	0.00
Spiked Amount			Recovery	=	93.94%	
35) Dibromofluoromethane	5.48	113	86986	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
50) Toluene-d8	8.71	98	333034	51.34	ug/l	0.00
Spiked Amount			Recovery	=	102.68%	
62) 4-Bromofluorobenzene	11.14	95	118216	43.89	ug/l	0.00
Spiked Amount			Recovery	=	87.78%	

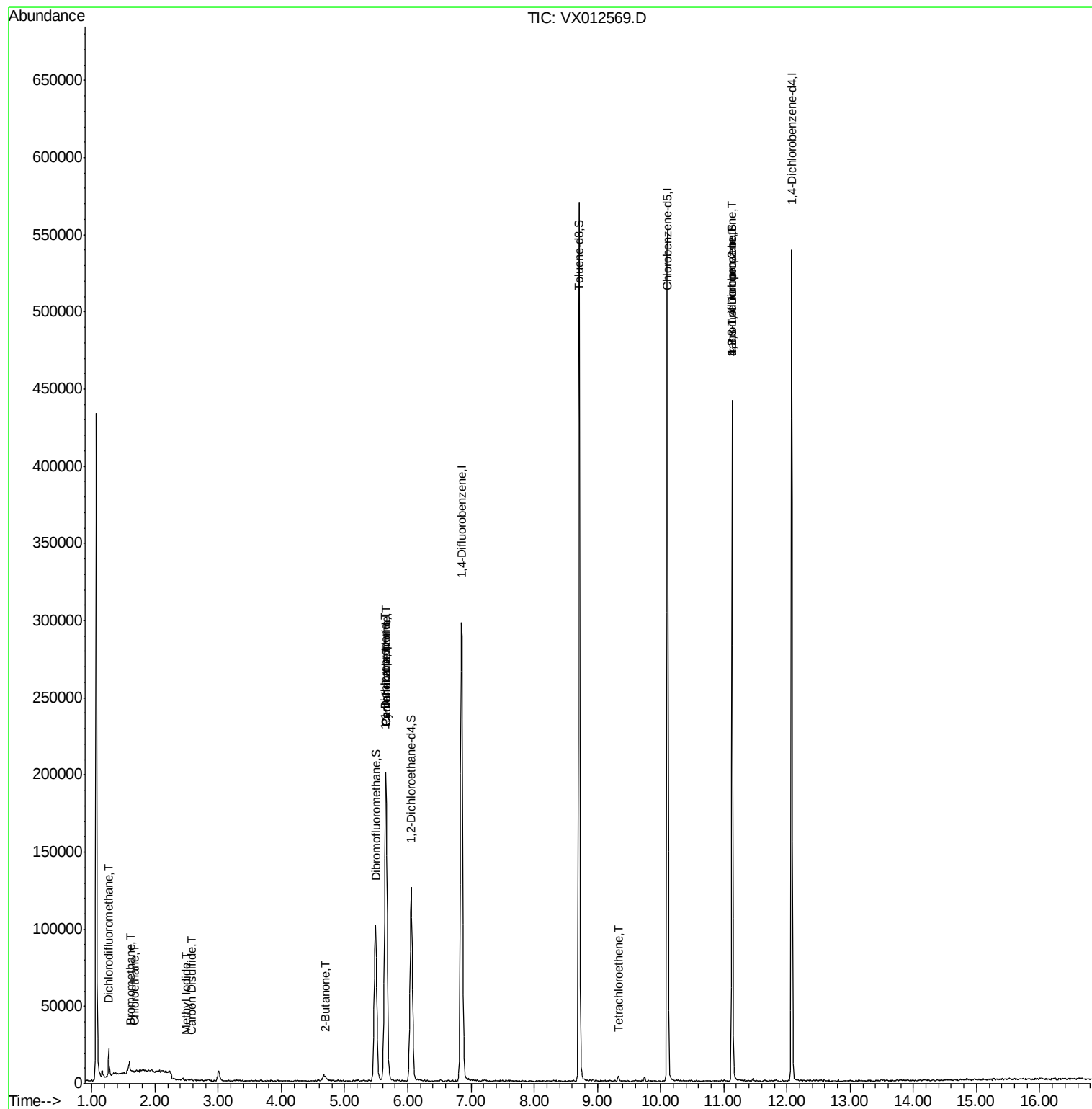
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.26	85	51	0.433	ug/l #	43
5) Bromomethane	1.62	94	102	0.240	ug/l #	26
6) Chloroethane	1.68	64	1741	2.053	ug/l #	52
10) Methyl Iodide	2.49	142	20	4.457	ug/l #	35
11) Tert butyl alcohol	3.01	59	3574	Below Cal	#	78
13) Acrolein	2.28	56	67	Below Cal	#	15
16) Acetone	2.44	43	705	Below Cal	#	80
17) Carbon Disulfide	2.57	76	220	1.937	ug/l #	1
25) 2-Butanone	4.70	43	530	0.292	ug/l #	51
31) Cyclohexane	5.65	56	4533	2.511	ug/l #	14
36) 1,1-Dichloropropene	5.64	75	15275	8.680	ug/l #	48
38) Carbon Tetrachloride	5.65	117	19768	9.031	ug/l #	16
64) Tetrachloroethene	9.32	164	541	0.486	ug/l #	54
76) 1,2,3-Trichloropropane	11.13	75	60594	26.162	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	60594	70.473	ug/l #	8

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

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Quant Title : SW846 8260
QLast Update : Tue Sep 17 15:27:10 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012569.D

Acq: 20 Sep 2019 19:52

Instrument :

MSVOA_X

ClientSampled :

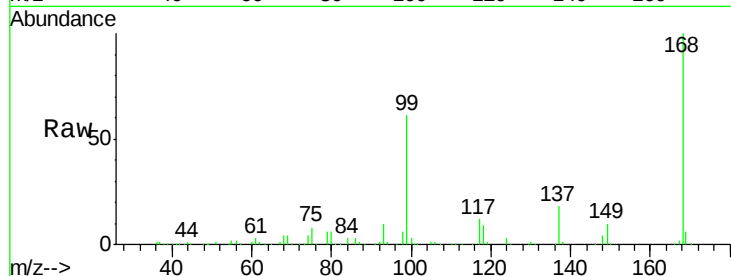
IBLK2

Tot Ion:168 Resp: 182350

Ion Ratio Lower Upper

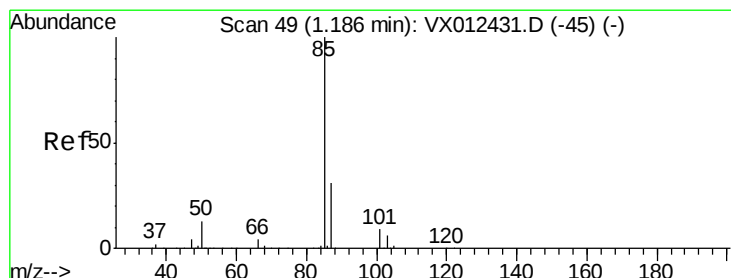
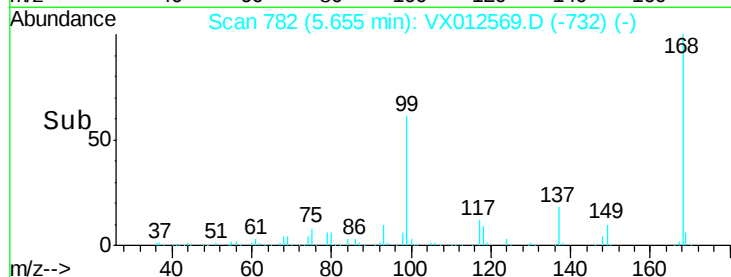
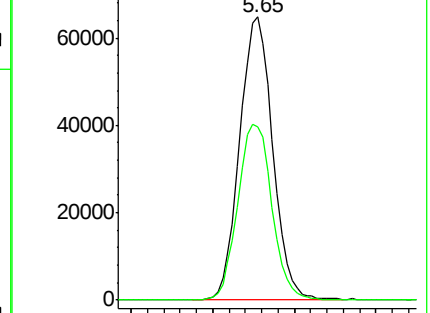
168 100

99 61.4 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.433 ug/l

RT: 1.26 min Scan# 61

Delta R.T. 0.07 min

Lab File: VX012569.D

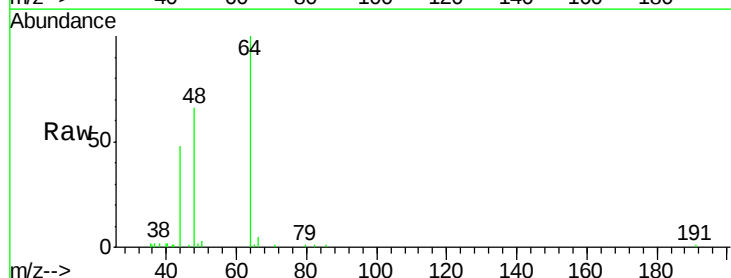
Acq: 20 Sep 2019 19:52

Tgt Ion: 85 Resp: 51

Ion Ratio Lower Upper

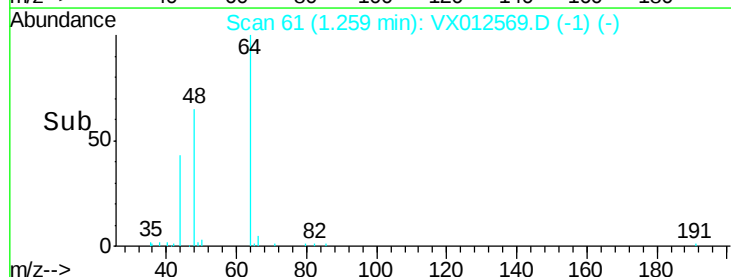
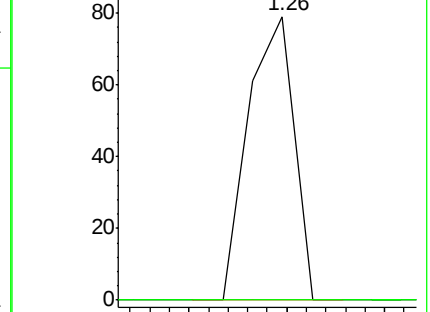
85 100

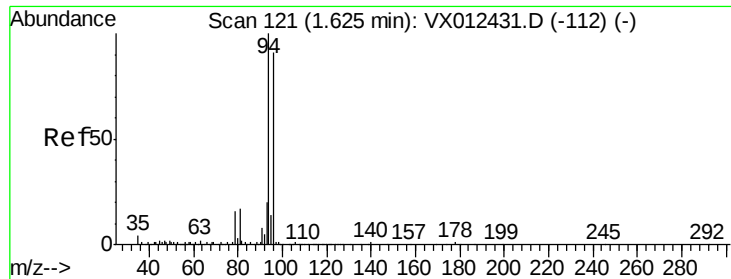
87 0.0 15.6 46.8#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#5

Bromomethane

Concen: 0.240 ug/l

RT: 1.62 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX012569.D

Acq: 20 Sep 2019 19:52

Instrument :

MSVOA_X

ClientSampled :

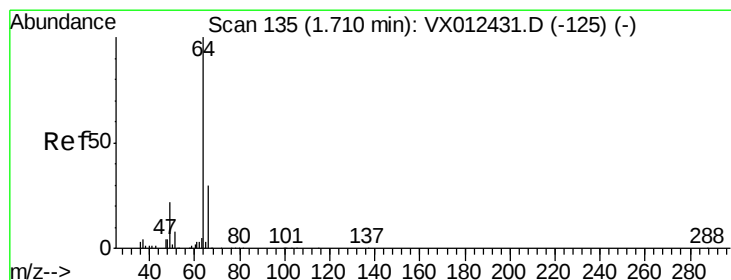
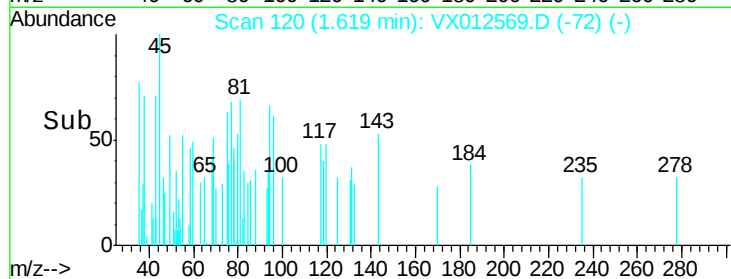
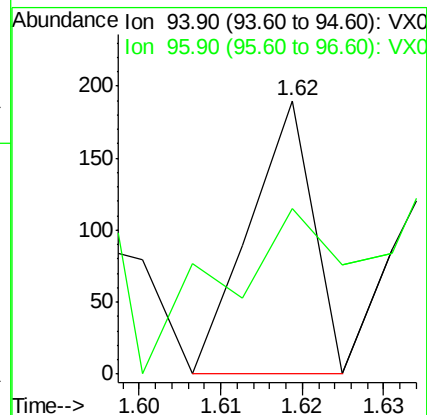
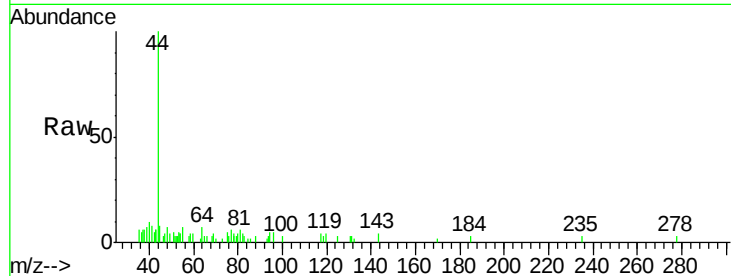
IBLK2

Tot Ion: 94 Resp: 102

Ion Ratio Lower Upper

94 100

96 20.5 72.8 109.2#



#6

Chloroethane

Concen: 2.053 ug/l

RT: 1.68 min Scan# 130

Delta R.T. -0.03 min

Lab File: VX012569.D

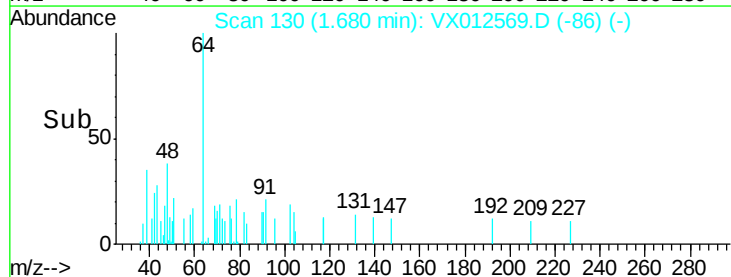
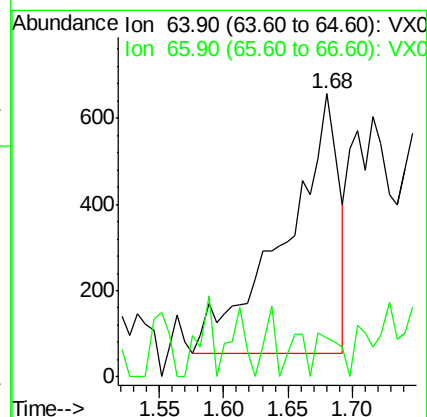
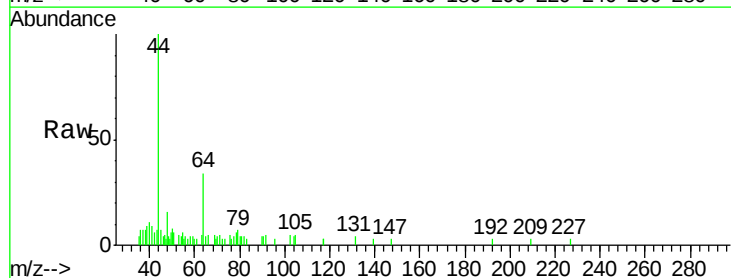
Acq: 20 Sep 2019 19:52

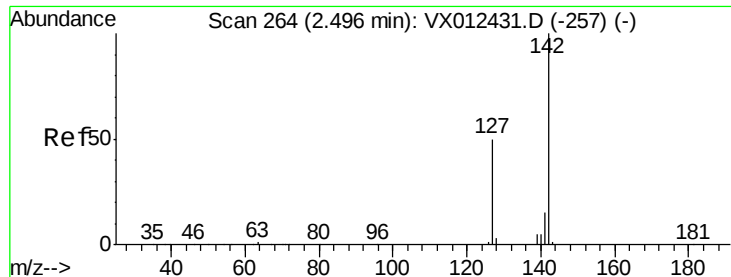
Tgt Ion: 64 Resp: 1741

Ion Ratio Lower Upper

64 100

66 3.8 24.0 36.0#

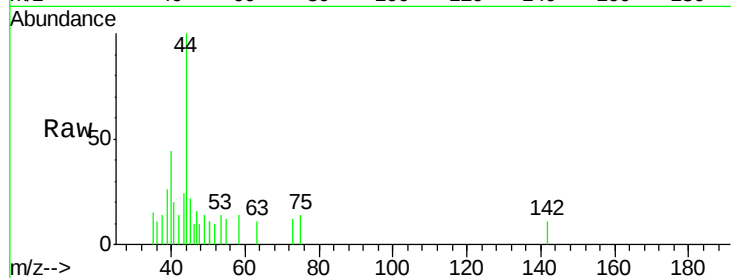




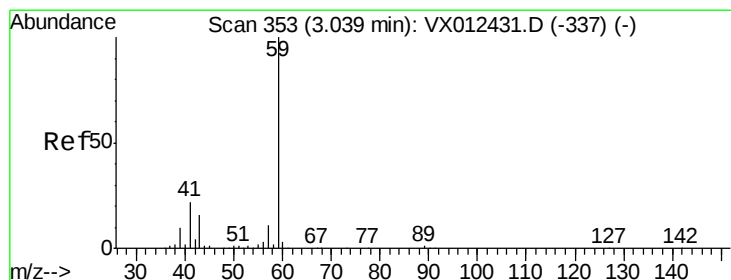
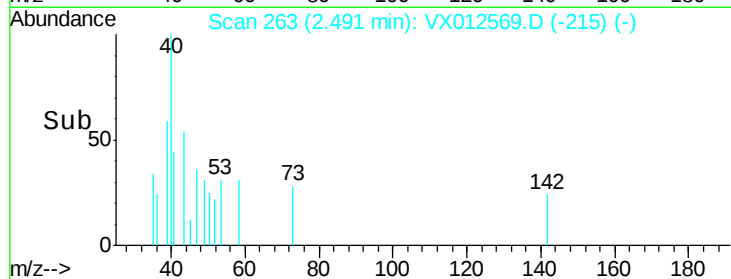
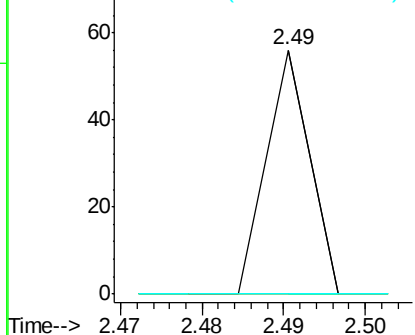
#10
Methvl Iodide
Concen: 4.457 ug/l
RT: 2.49 min Scan# 263
Delta R.T. -0.01 min
Lab File: VX012569.D
Acq: 20 Sep 2019 19:52

Instrument :
MSVOA_X
ClientSampleId :
IBLK2

Tot Ion	Ratio	Lower	Upper
142	100		
127	0.0	40.8	61.2#
141	0.0	12.1	18.1#

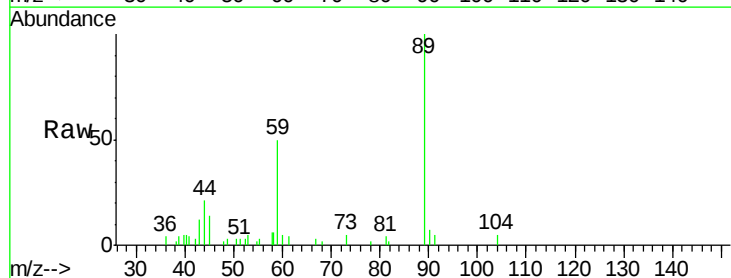


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

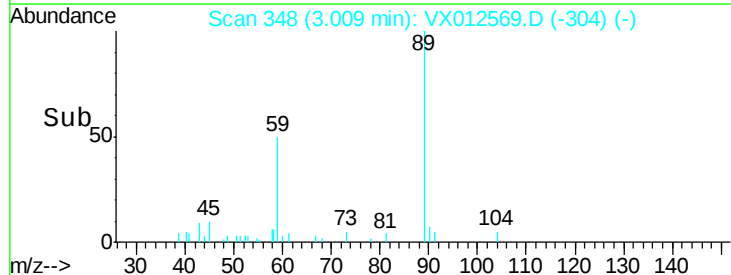
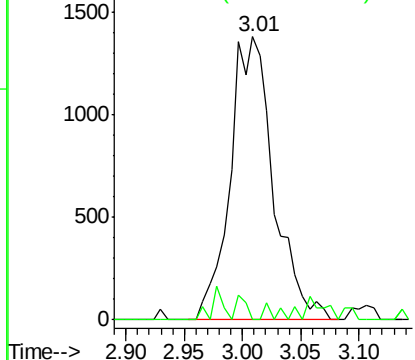


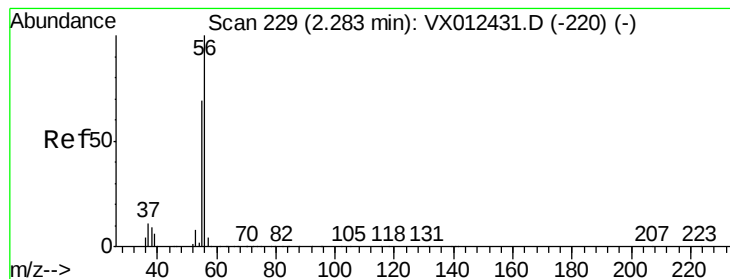
#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX012569.D
Acq: 20 Sep 2019 19:52

Tgt Ion	Ratio	Lower	Upper
59	100		
57	2.1	8.3	12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: Below Cal

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012569.D

Acq: 20 Sep 2019 19:52

Instrument :

MSVOA_X

ClientSampled :

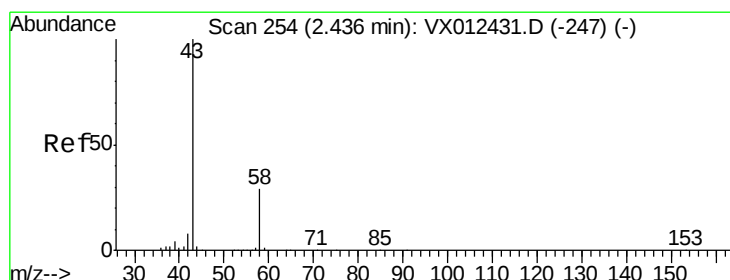
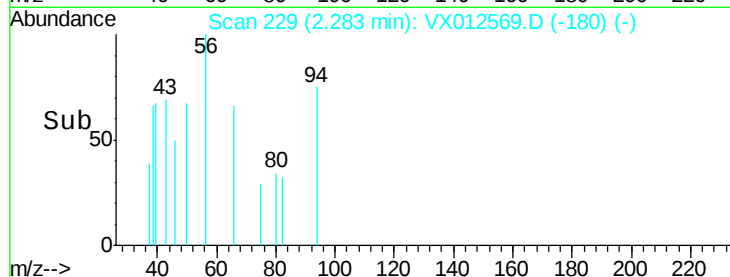
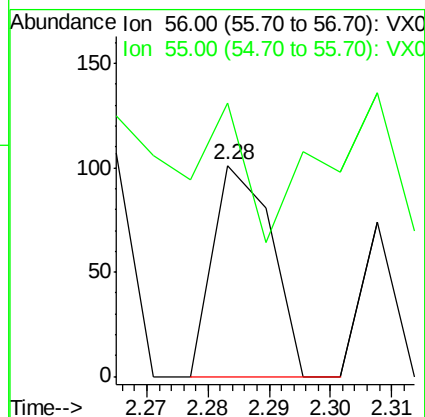
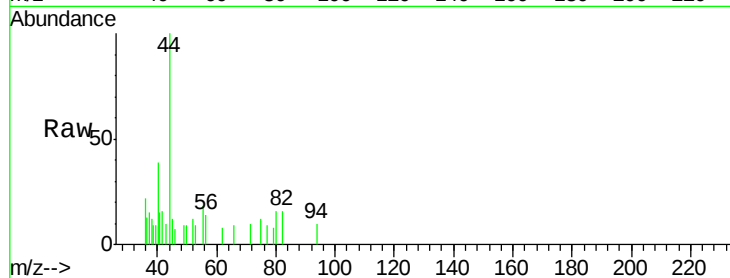
IBLK2

Tot Ion: 56 Resp: 67

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#



#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 255

Delta R.T. 0.01 min

Lab File: VX012569.D

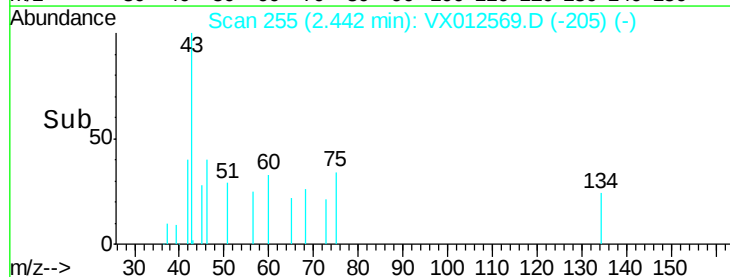
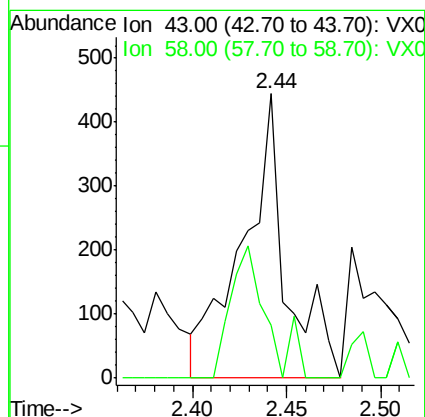
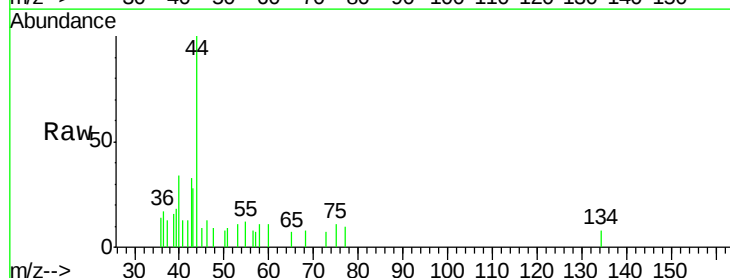
Acq: 20 Sep 2019 19:52

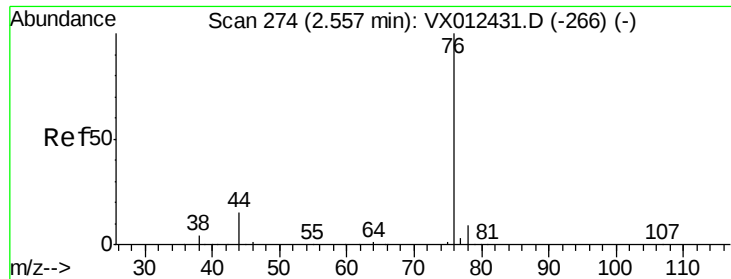
Tgt Ion: 43 Resp: 705

Ion Ratio Lower Upper

43 100

58 18.5 23.3 34.9#





#17

Carbon Disulfide

Concen: 1.937 ug/l

RT: 2.57 min Scan# 276

Delta R.T. 0.01 min

Lab File: VX012569.D

Acq: 20 Sep 2019 19:52

Instrument :

MSVOA_X

ClientSampled :

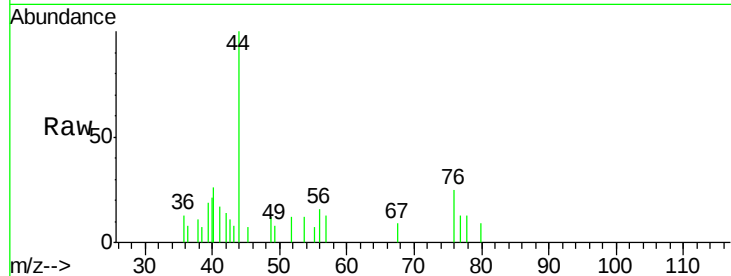
IBLK2

Tot Ion: 76 Resp: 220

Ion Ratio Lower Upper

76 100

78 50.8 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

150

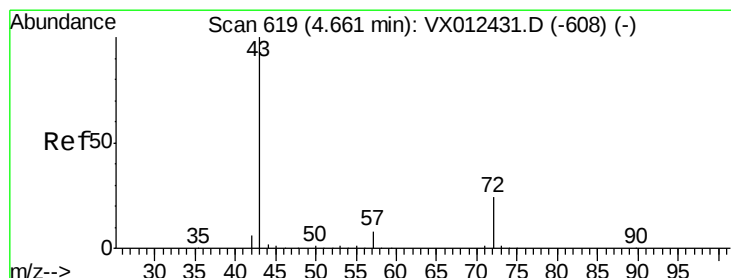
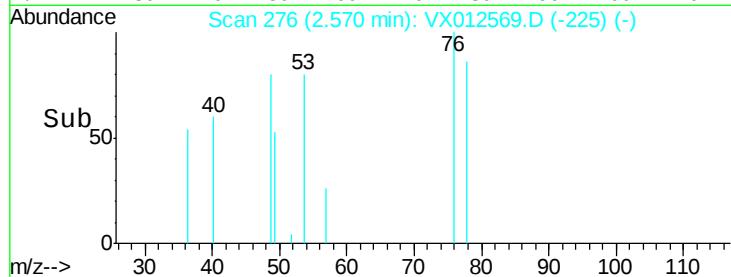
100

50

0

2.54 2.56 2.58 2.60

Time-->



#25

2-Butanone

Concen: 0.292 ug/l

RT: 4.70 min Scan# 626

Delta R.T. 0.04 min

Lab File: VX012569.D

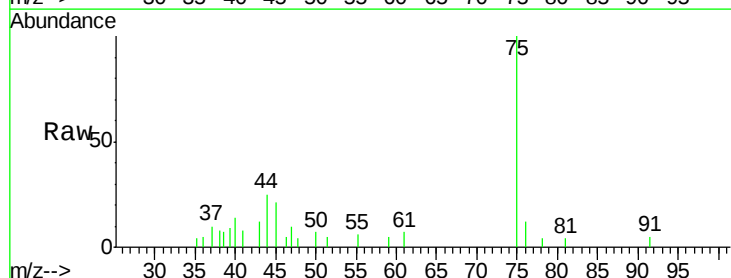
Acq: 20 Sep 2019 19:52

Tgt Ion: 43 Resp: 530

Ion Ratio Lower Upper

43 100

72 0.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.70

200

150

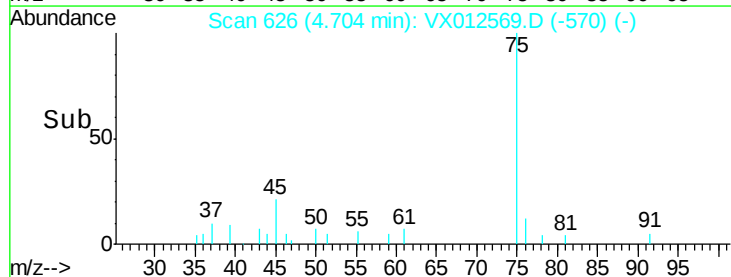
100

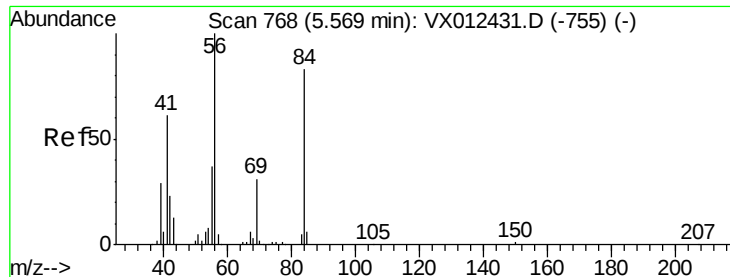
50

0

4.60 4.65 4.70 4.75

Time-->

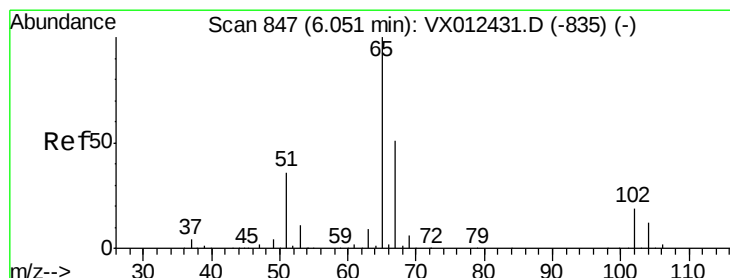
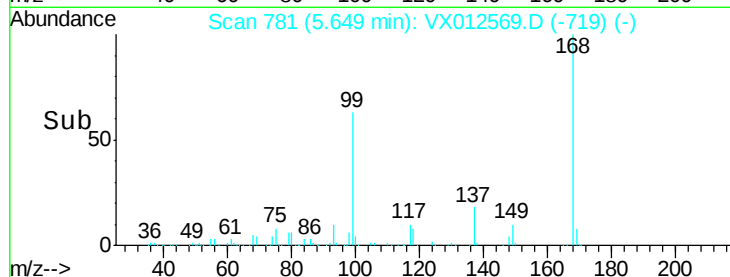
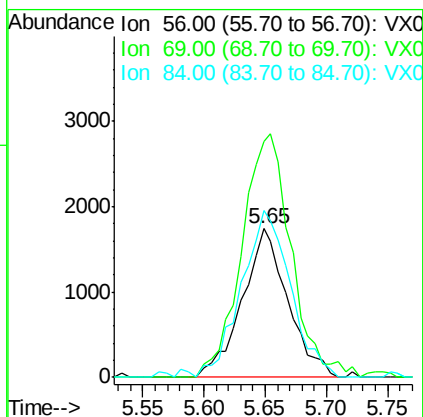
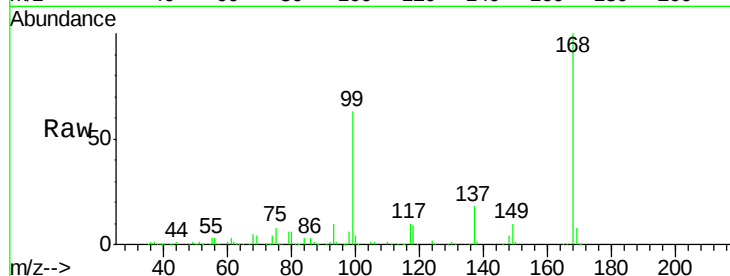




#31
Cyclohexane
Concen: 2.511 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012569.D
Acq: 20 Sep 2019 19:52

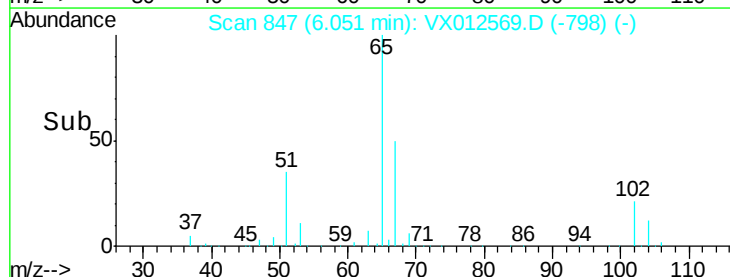
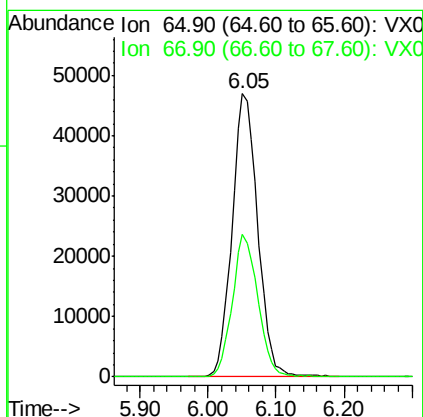
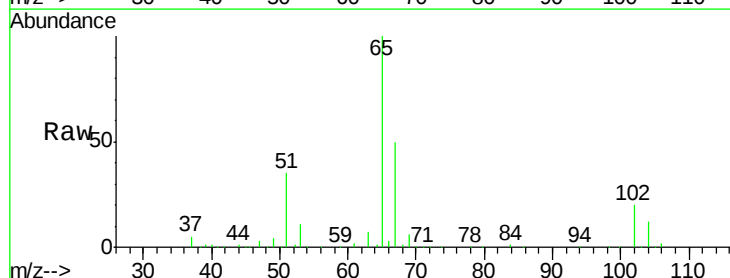
Instrument :
MSVOA_X
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IBLK2

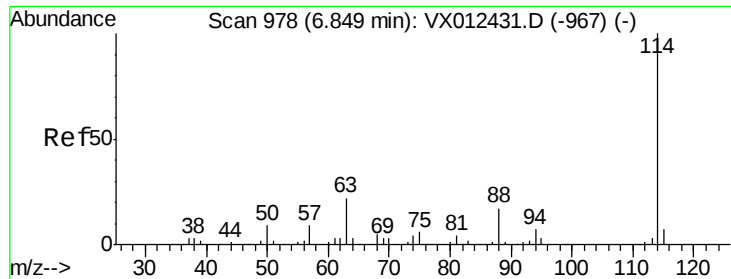
Tot Ion: 56 Resp: 4533
Ion Ratio Lower Upper
56 100
69 158.7 25.0 37.6#
84 111.8 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 46.969 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX012569.D
Acq: 20 Sep 2019 19:52

Tgt Ion: 65 Resp: 122750
Ion Ratio Lower Upper
65 100
67 50.0 0.0 101.2

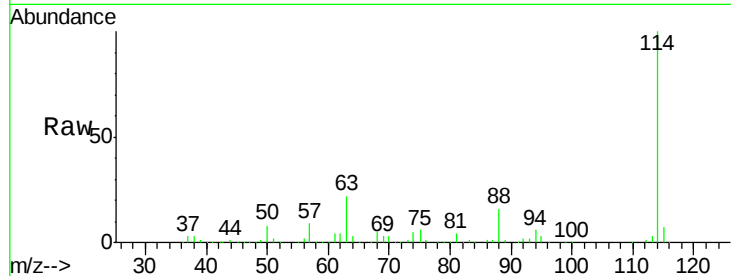




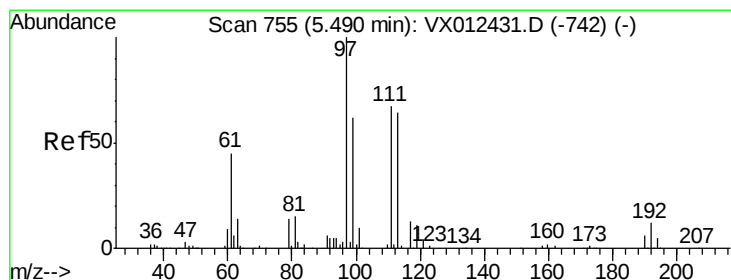
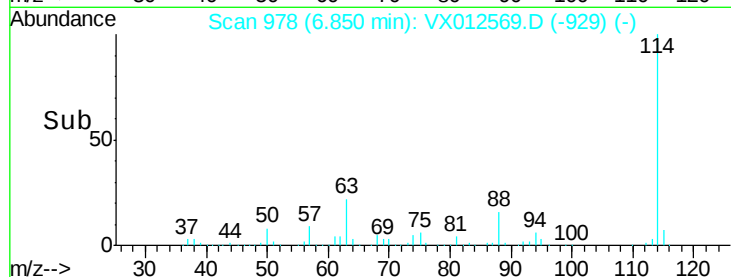
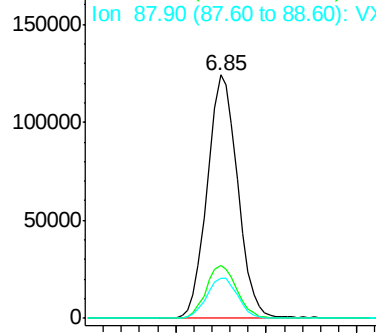
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012569.D
 Acq: 20 Sep 2019 19:52

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK2

Tot Ion:114 Resp: 289570
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.2
 88 16.4 0.0 33.2

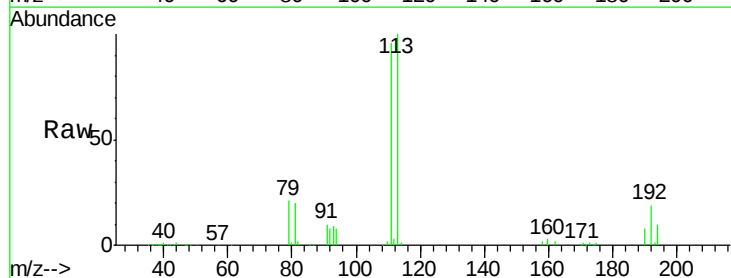


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

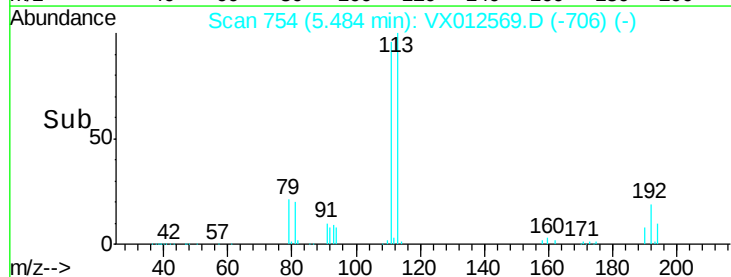
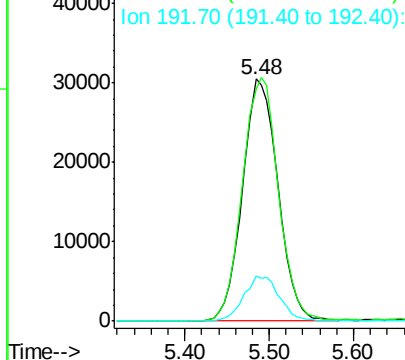


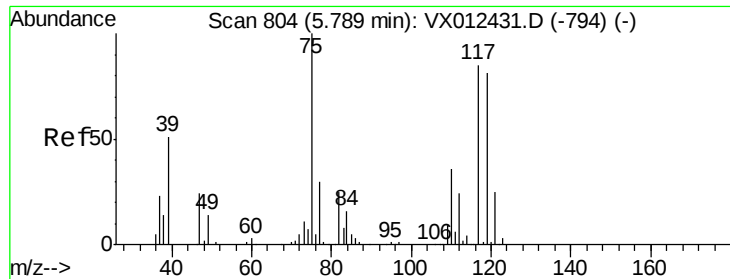
#35
 Dibromofluoromethane
 Concen: 49.631 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX012569.D
 Acq: 20 Sep 2019 19:52

Tgt Ion:113 Resp: 86986
 Ion Ratio Lower Upper
 113 100
 111 102.5 83.4 125.2
 192 18.6 14.4 21.6



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

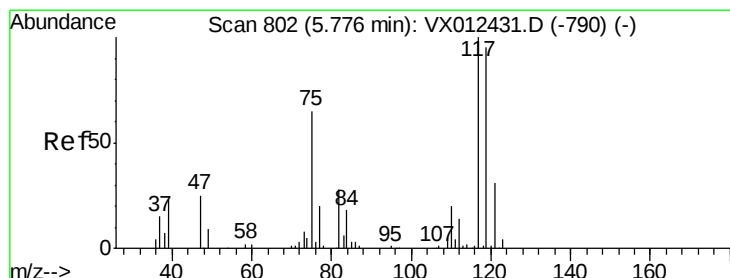
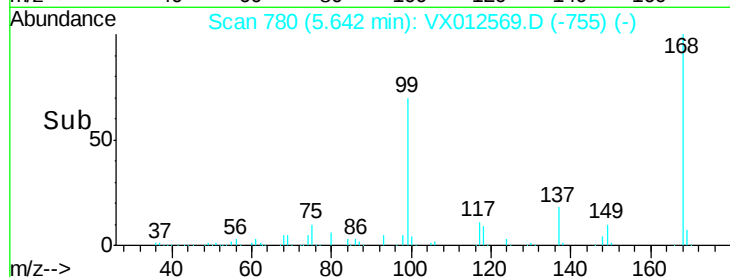
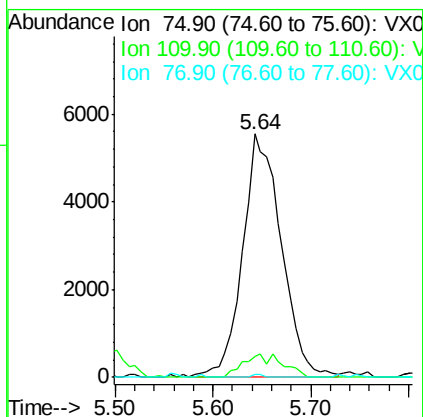
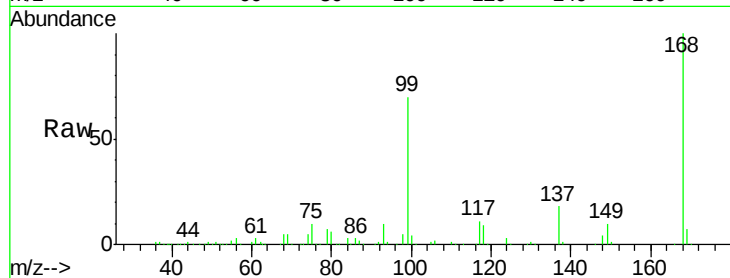




#36
 1,1-Dichloropropene
 Concen: 8.680 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012569.D
 Acq: 20 Sep 2019 19:52

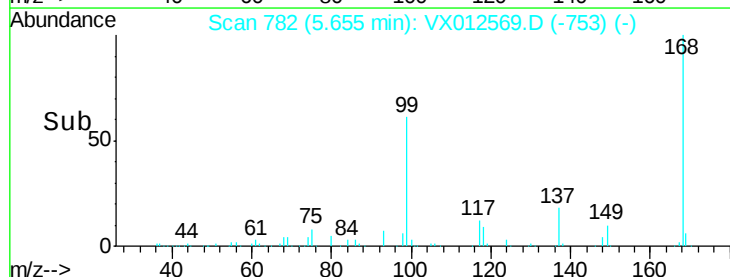
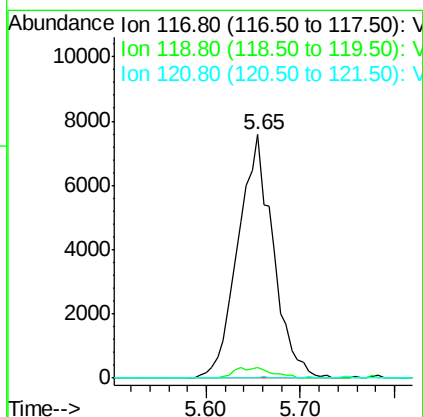
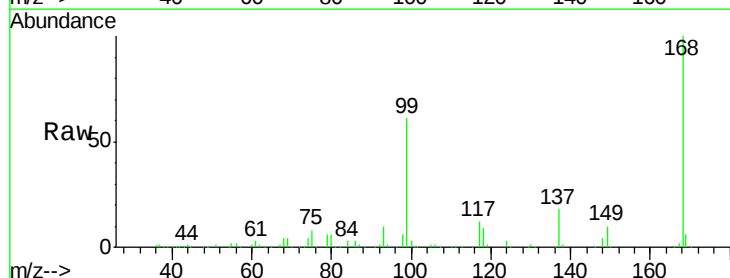
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK2

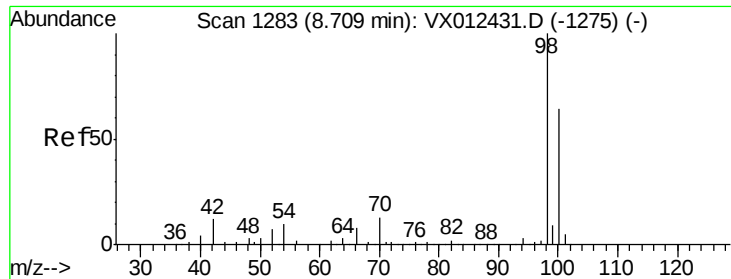
Tot Ion: 75 Resp: 15275
 Ion Ratio Lower Upper
 75 100
 110 5.7 16.7 50.0#
 77 0.3 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 9.031 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX012569.D
 Acq: 20 Sep 2019 19:52

Tgt Ion: 117 Resp: 19768
 Ion Ratio Lower Upper
 117 100
 119 4.4 75.7 113.5#
 121 0.0 24.2 36.4#

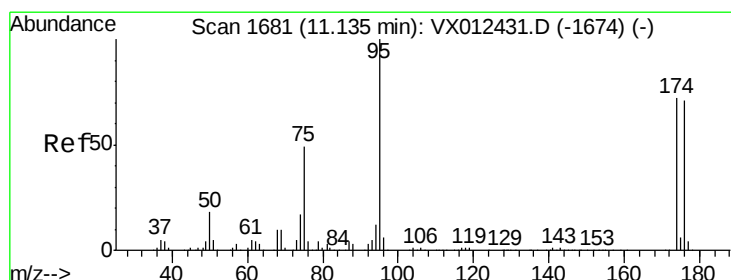
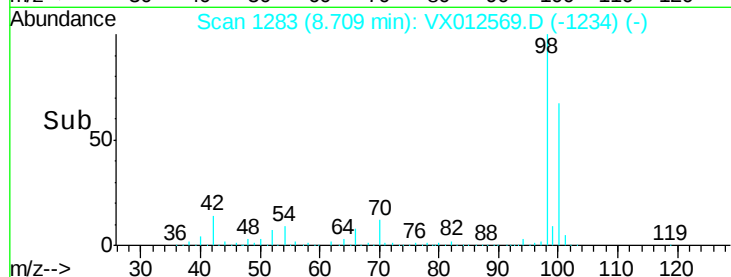
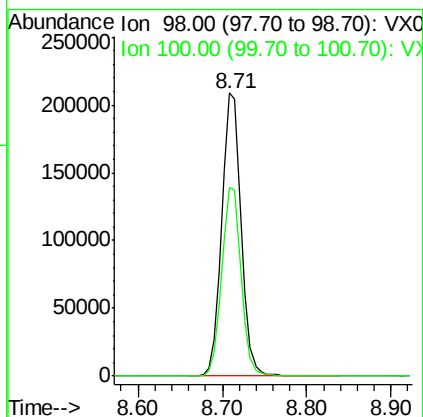
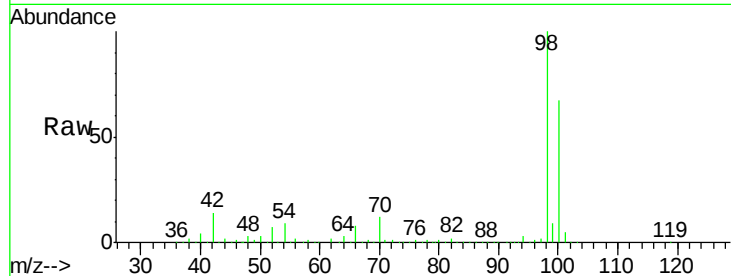




#50
Toluene-d8
Concen: 51.336 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012569.D
Acq: 20 Sep 2019 19:52

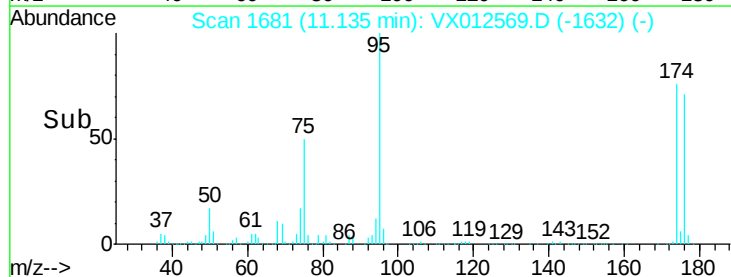
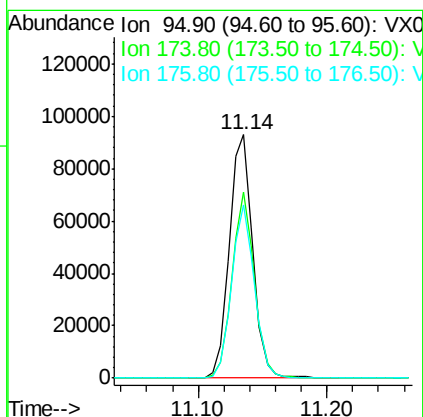
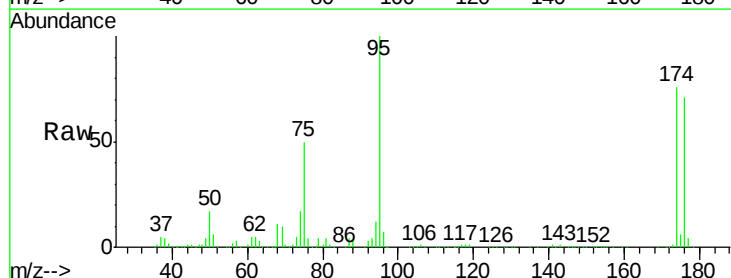
Instrument :
MSVOA_X
ClientSampleId :
IBLK2

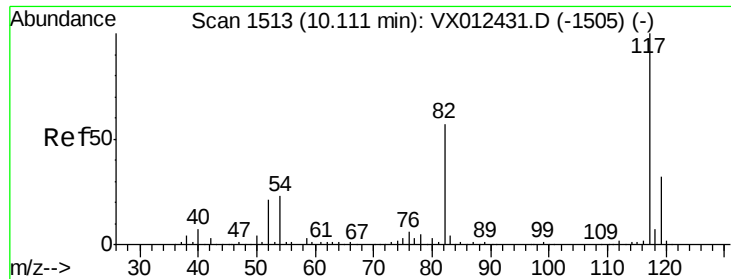
Tot Ion: 98 Resp: 333034
Ion Ratio Lower Upper
98 100
100 66.8 53.4 80.2



#62
4-Bromofluorobenzene
Concen: 43.888 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012569.D
Acq: 20 Sep 2019 19:52

Tgt Ion: 95 Resp: 118216
Ion Ratio Lower Upper
95 100
174 73.3 0.0 140.0
176 69.8 0.0 135.4

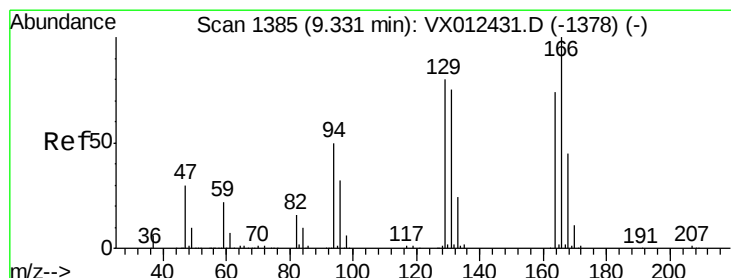
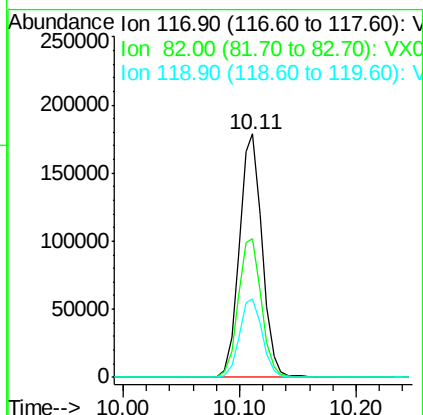
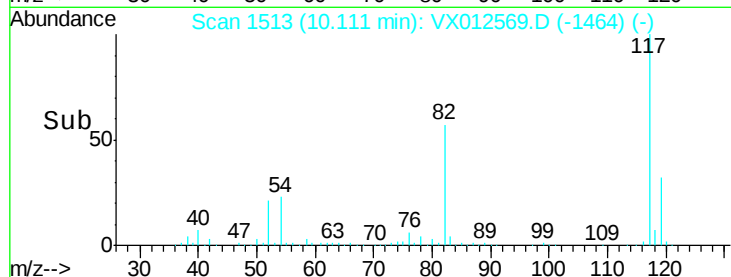
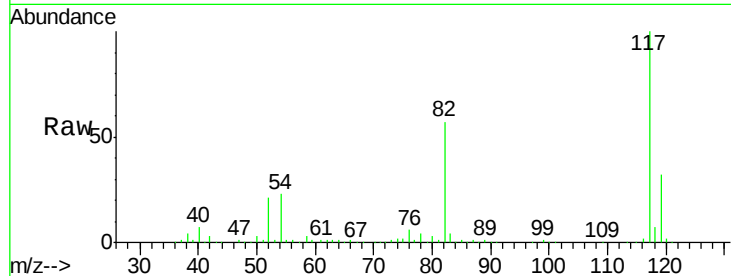




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012569.D
Acq: 20 Sep 2019 19:52

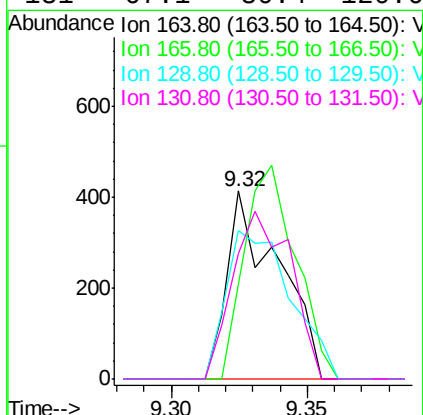
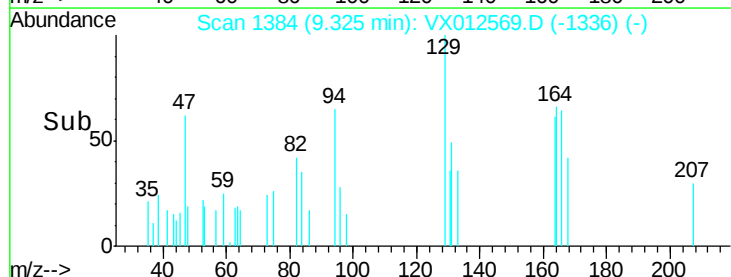
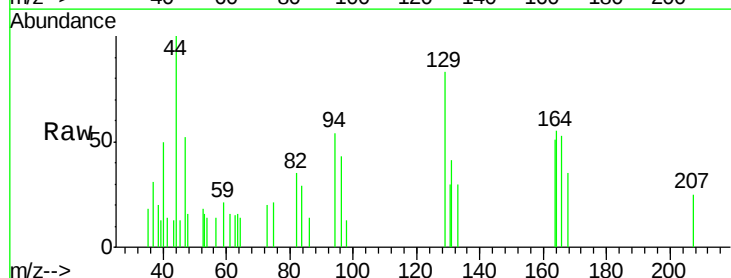
Instrument :
MSVOA_X
ClientSampled :
IBLK2

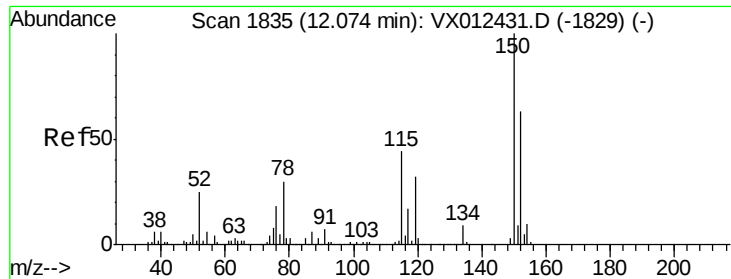
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.0	45.9	68.9
119	32.0	25.3	37.9



#64
Tetrachloroethene
Concen: 0.486 ug/l
RT: 9.32 min Scan# 1384
Delta R.T. -0.01 min
Lab File: VX012569.D
Acq: 20 Sep 2019 19:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	50.6	107.8	161.6#
129	78.9	86.2	129.2#
131	67.1	80.4	120.6#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012569.D

Acq: 20 Sep 2019 19:52

Instrument :

MSVOA_X

ClientSampleId :

IBLK2

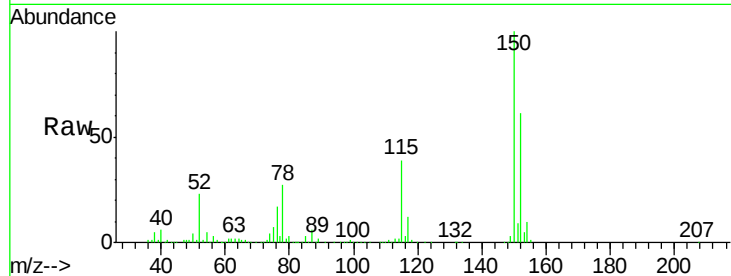
Tot Ion:152 Resp: 100828

Ion Ratio Lower Upper

152 100

115 62.8 44.1 132.3

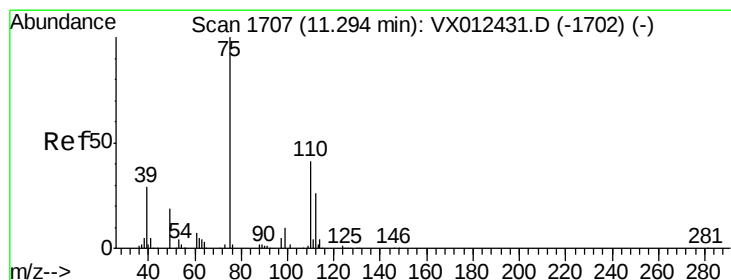
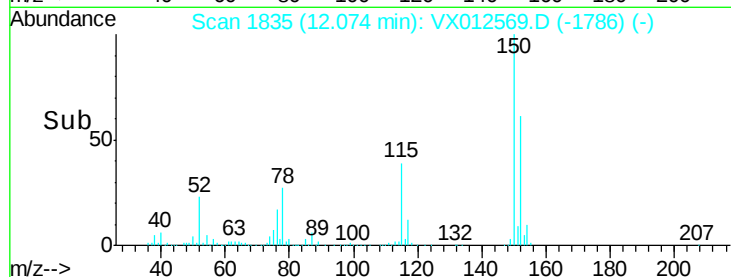
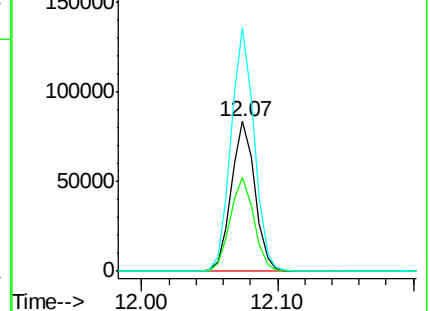
150 158.8 0.0 343.8



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: 26.162 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012569.D

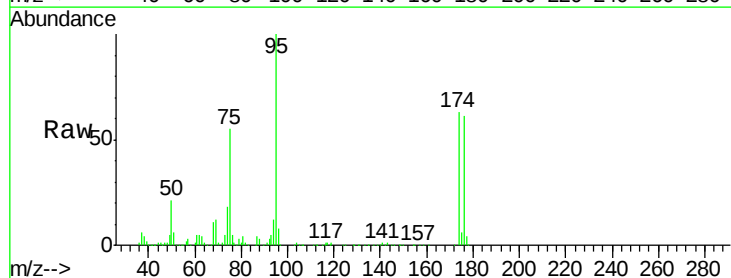
Acq: 20 Sep 2019 19:52

Tgt Ion: 75 Resp: 60594

Ion Ratio Lower Upper

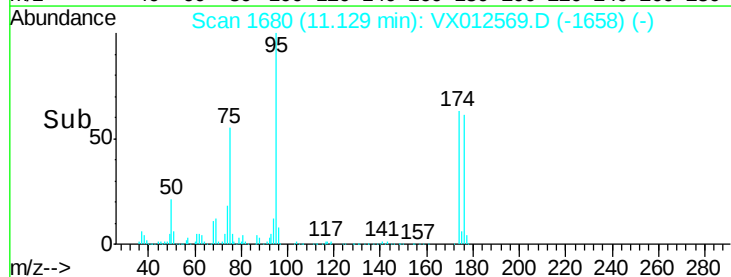
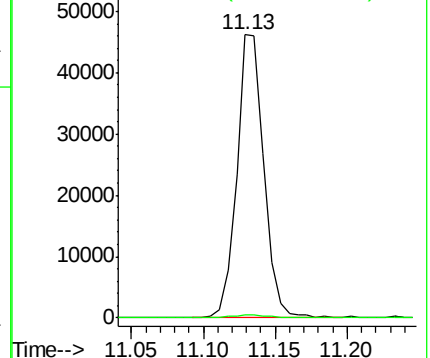
75 100

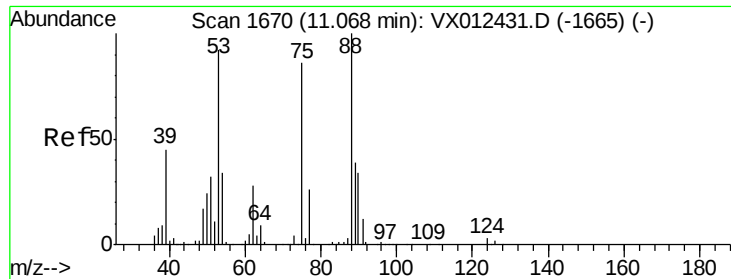
77 1.3 19.7 59.0#



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: 70.473 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012569.D

Acq: 20 Sep 2019 19:52

Instrument :

MSVOA_X

ClientSampleId :

IBLK2

Tot Ion: 75 Resp: 60594

Ion Ratio Lower Upper

75 100

53 0.2 83.6 125.4#

89 0.0 36.3 54.5#

