

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122619\
 Data File : VX014270.D
 Acq On : 26 Dec 2019 15:34
 Operator : JC/SP
 Sample : K6396-10
 Misc : 7.73g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-5-(0-2)

Quant Time: Dec 27 06:01:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	516007	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	799110	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	709454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	331984	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	284991	48.73	ug/l	0.00
Spiked Amount			Recovery	=	97.46%	
35) Dibromofluoromethane	5.49	113	226411	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	
50) Toluene-d8	8.71	98	951151	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
62) 4-Bromofluorobenzene	11.14	95	328387	47.50	ug/l	0.00
Spiked Amount			Recovery	=	95.00%	

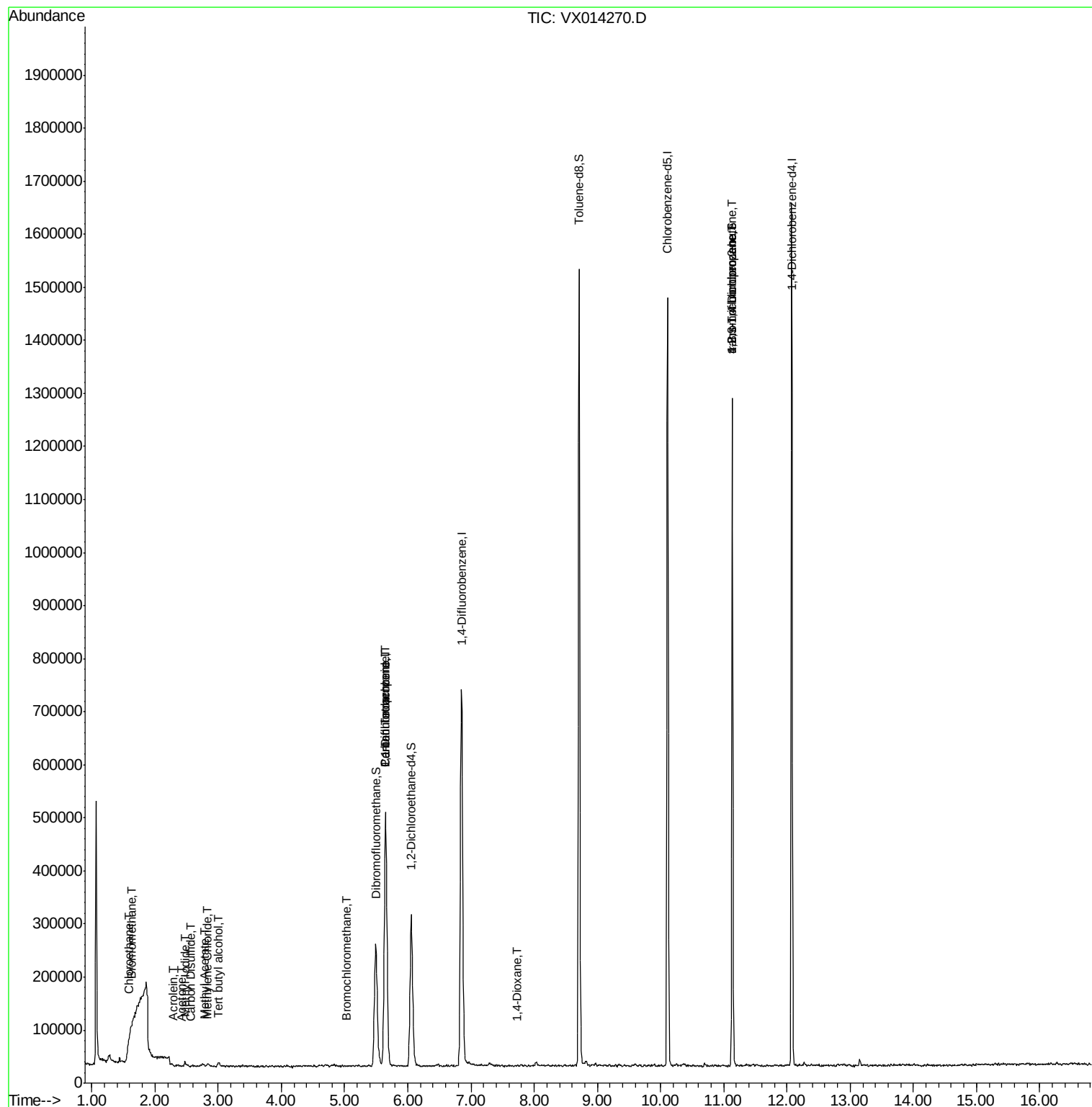
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	2246	0.484	ug/l #	61
6) Chloroethane	1.58	64	6794	1.684	ug/l #	45
10) Methyl Iodide	2.47	142	903	2.754	ug/l #	80
11) Tert butyl alcohol	3.00	59	6794	5.376	ug/l #	72
13) Acrolein	2.30	56	215	0.297	ug/l #	47
16) Acetone	2.42	43	763	0.201	ug/l #	44
17) Carbon Disulfide	2.57	76	364	0.776	ug/l #	1
18) Methyl Acetate	2.78	43	1695	0.225	ug/l #	60
20) Methylene Chloride	2.84	84	4899	0.819	ug/l #	86
28) Bromochloromethane	5.02	49	529	0.592	ug/l #	45
36) 1,1-Dichloropropene	5.65	75	35744	4.875	ug/l #	49
38) Carbon Tetrachloride	5.65	117	46035	6.892	ug/l #	16
49) 1,4-Dioxane	7.72	88	168	1.258	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	163164	22.639	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	163164	63.898	ug/l #	11

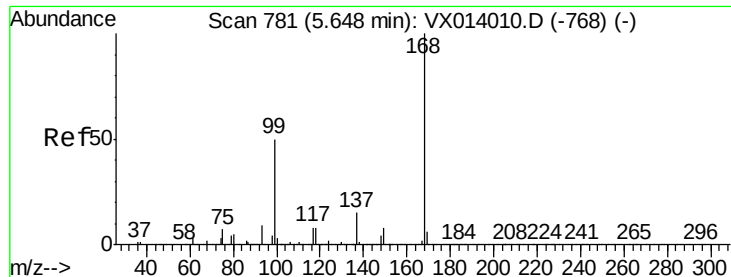
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX014270.D

Acq: 26 Dec 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

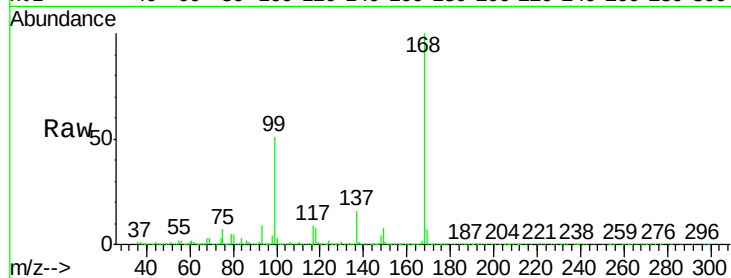
SB-5-(0-2)

Tgt Ion: 168 Resp: 516007

Ion Ratio Lower Upper

168 100

99 50.9 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

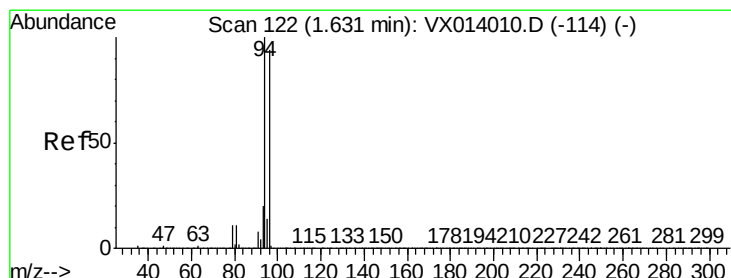
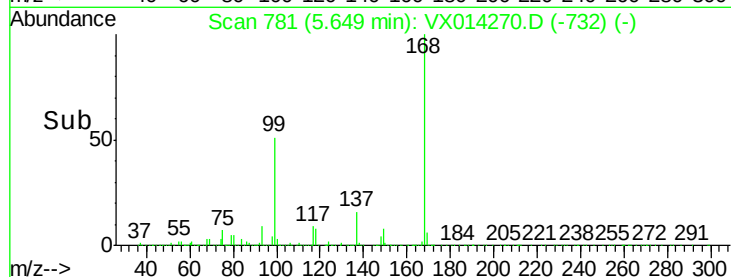
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.484 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX014270.D

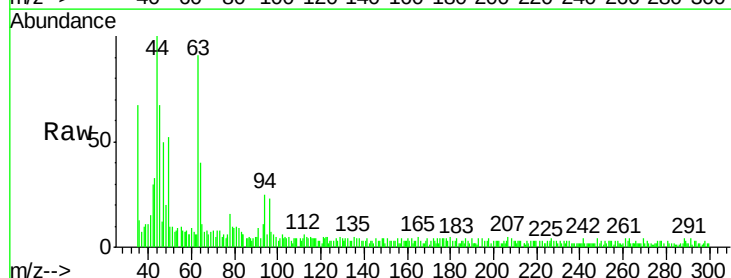
Acq: 26 Dec 2019 15:34

Tgt Ion: 94 Resp: 2246

Ion Ratio Lower Upper

94 100

96 56.7 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

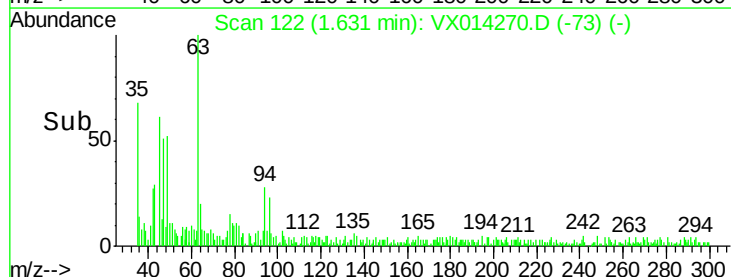
1500

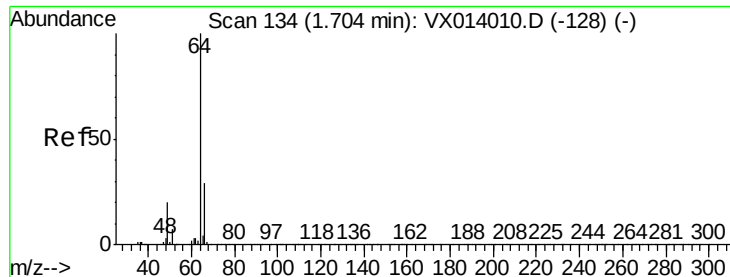
1000

500

0

Time-->





#6

Chloroethane

Concen: 1.684 ug/l

RT: 1.58 min Scan# 114

Delta R.T. -0.12 min

Lab File: VX014270.D

Acq: 26 Dec 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

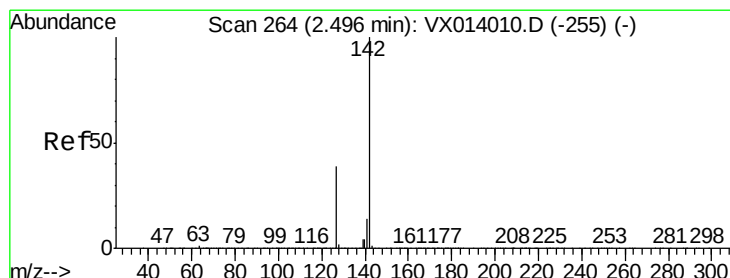
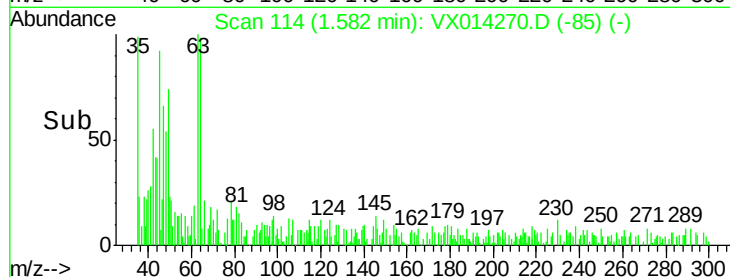
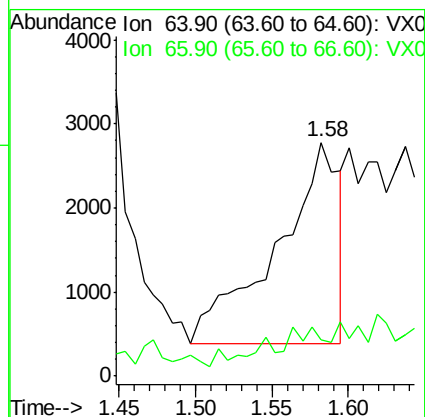
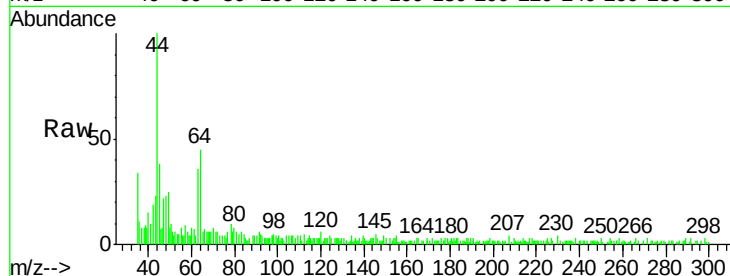
SB-5-(0-2)

Tgt Ion: 64 Resp: 6794

Ion Ratio Lower Upper

64 100

66 0.0 23.4 35.2#



#10

Methyl Iodide

Concen: 2.754 ug/l

RT: 2.47 min Scan# 260

Delta R.T. -0.02 min

Lab File: VX014270.D

Acq: 26 Dec 2019 15:34

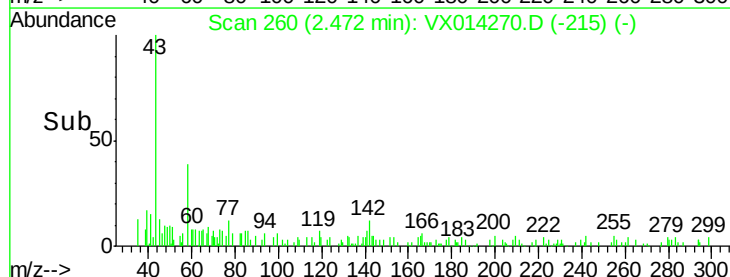
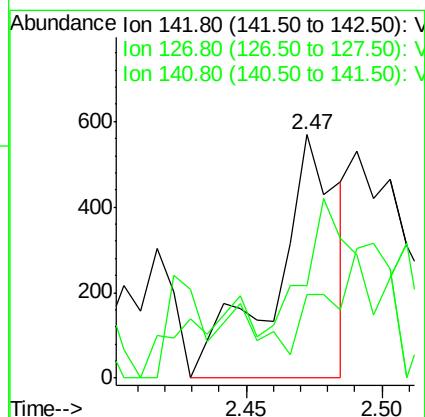
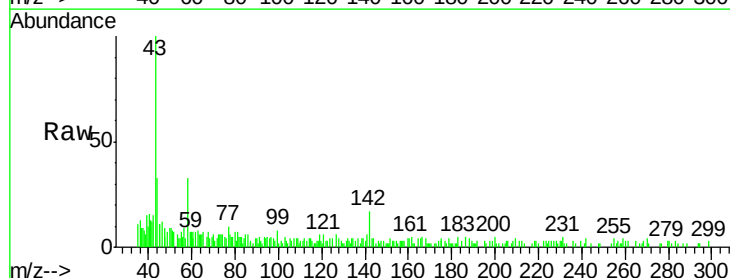
Tgt Ion: 142 Resp: 903

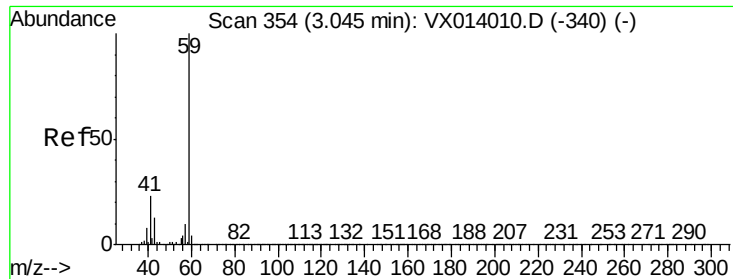
Ion Ratio Lower Upper

142 100

127 48.6 31.6 47.4#

141 0.0 11.6 17.4#



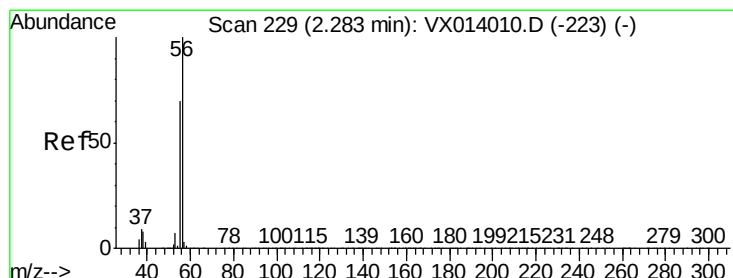
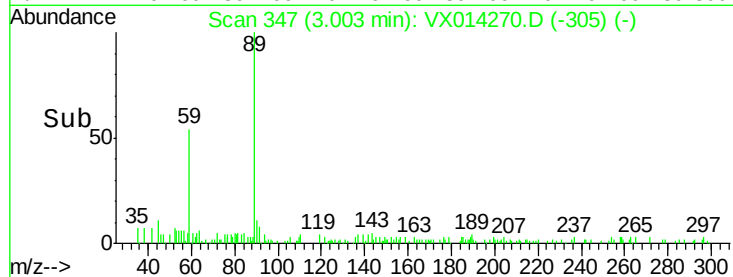
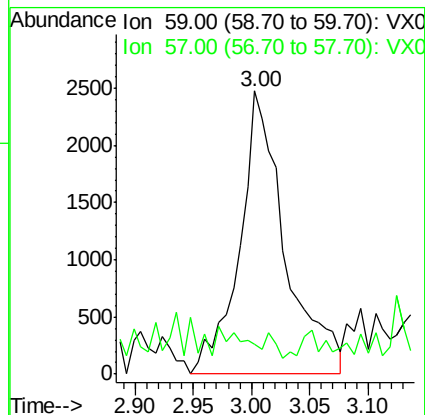
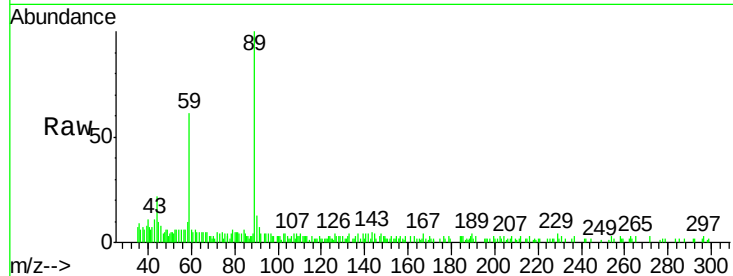


#11

Tert butyl alcohol
 Concen: 5.376 ug/l
 RT: 3.00 min Scan# 347
 Delta R.T. -0.04 min
 Lab File: VX014270.D
 Acq: 26 Dec 2019 15:34

Instrument :
 MSVOA_X
 ClientSampled :
 SB-5-(0-2)

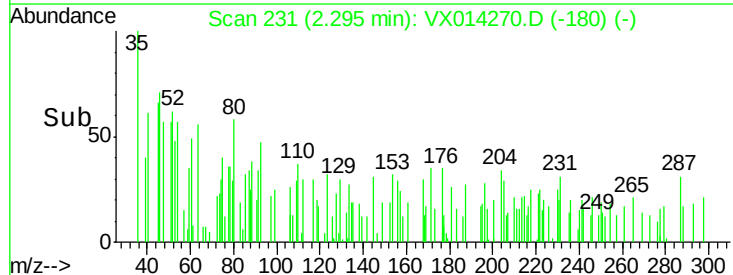
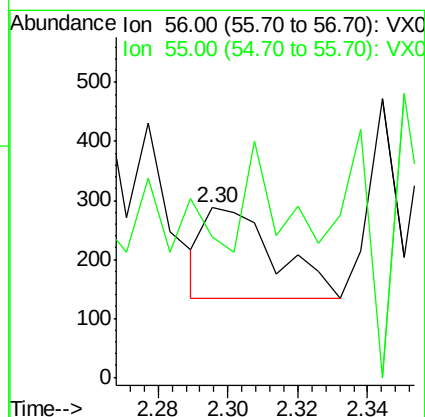
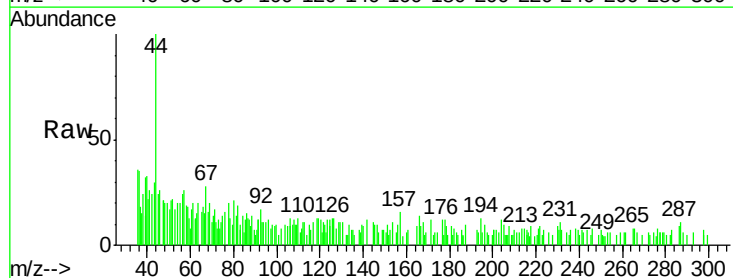
Tgt Ion: 59 Resp: 6794
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

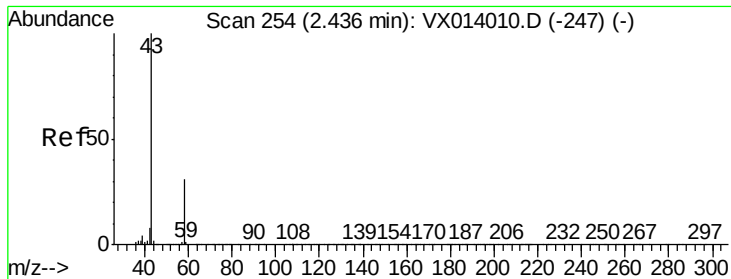


#13

Acrolein
 Concen: 0.297 ug/l
 RT: 2.30 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VX014270.D
 Acq: 26 Dec 2019 15:34

Tgt Ion: 56 Resp: 215
 Ion Ratio Lower Upper
 56 100
 55 114.9 56.9 85.3#





#16

Acetone

Concen: 0.201 ug/l

RT: 2.42 min Scan# 251

Delta R.T. -0.02 min

Lab File: VX014270.D

Acq: 26 Dec 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

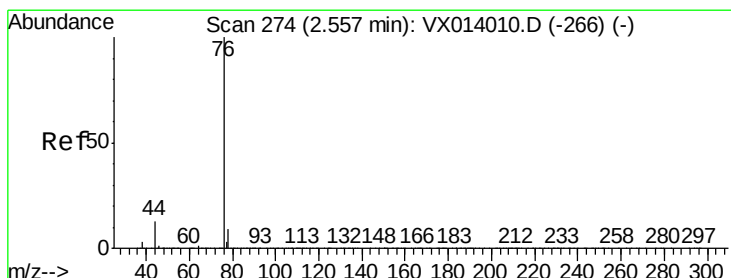
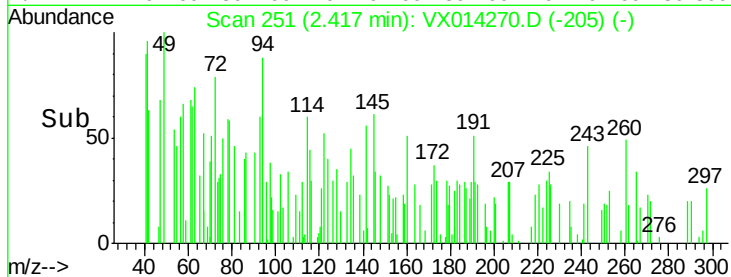
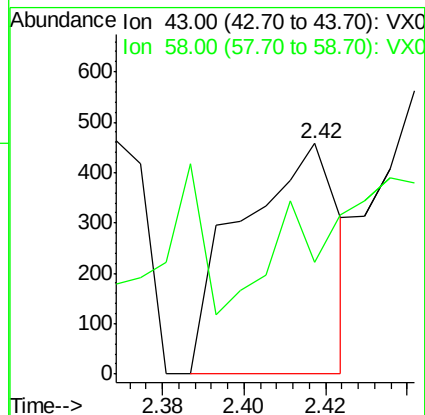
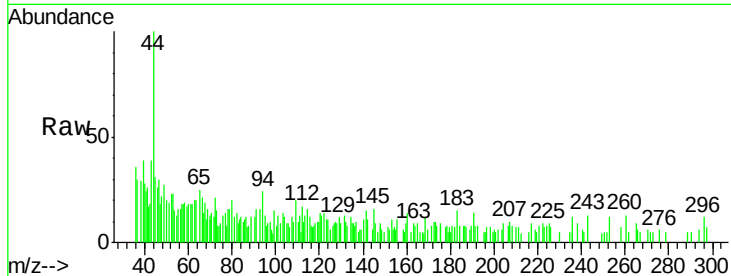
SB-5-(0-2)

Tgt Ion: 43 Resp: 763

Ion Ratio Lower Upper

43 100

58 0.0 24.9 37.3#



#17

Carbon Disulfide

Concen: 0.776 ug/l

RT: 2.57 min Scan# 276

Delta R.T. 0.01 min

Lab File: VX014270.D

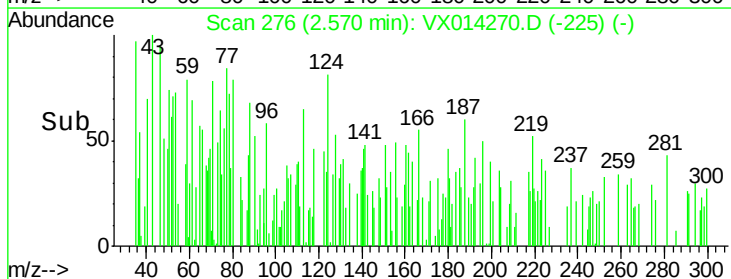
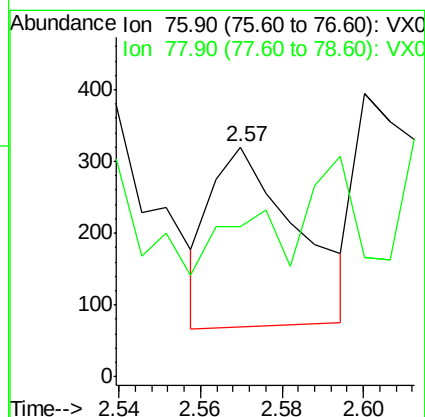
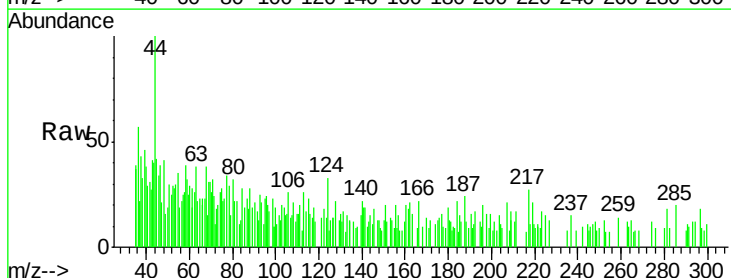
Acq: 26 Dec 2019 15:34

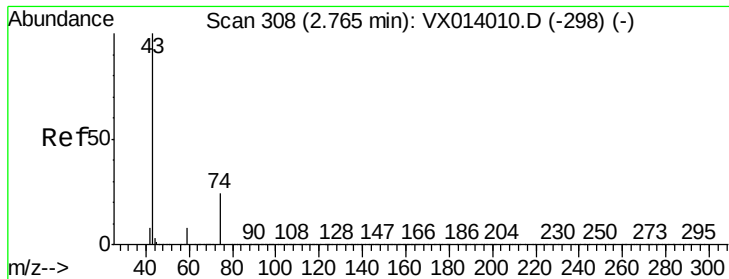
Tgt Ion: 76 Resp: 364

Ion Ratio Lower Upper

76 100

78 45.9 7.2 10.8#





#18

Methyl Acetate

Concen: 0.225 ug/l

RT: 2.78 min Scan# 310

Delta R.T. 0.01 min

Lab File: VX014270.D

Acq: 26 Dec 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

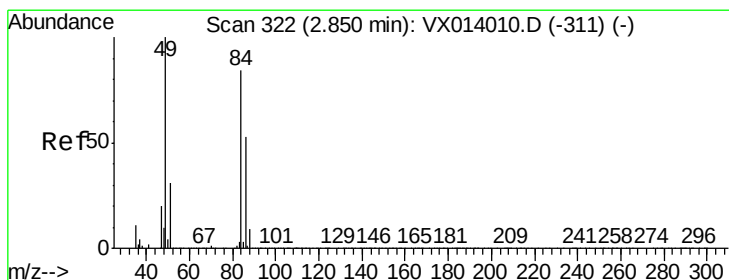
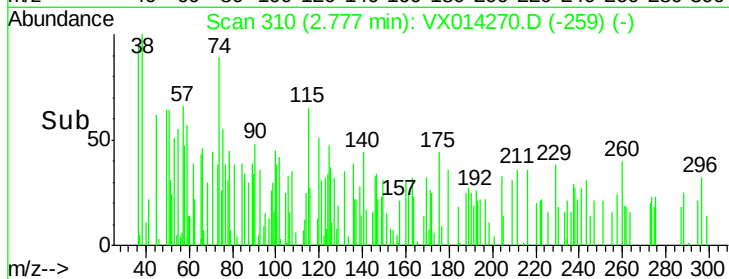
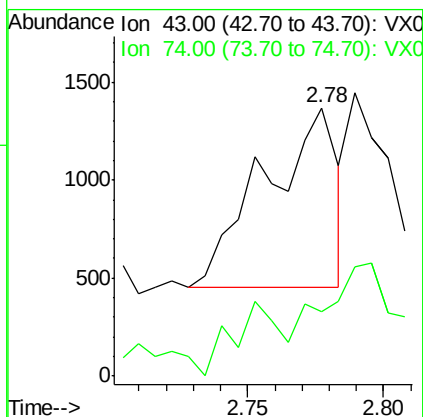
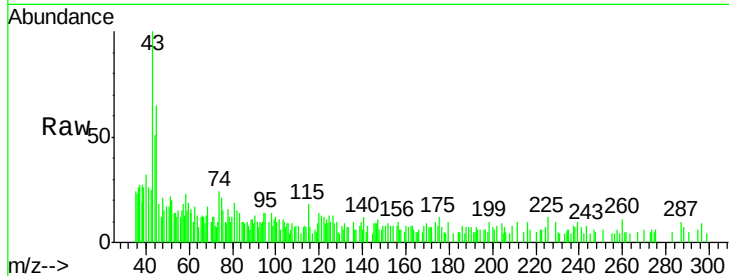
SB-5-(0-2)

Tgt Ion: 43 Resp: 1695

Ion Ratio Lower Upper

43 100

74 44.1 19.5 29.3#



#20

Methylene Chloride

Concen: 0.819 ug/l

RT: 2.84 min Scan# 320

Delta R.T. -0.01 min

Lab File: VX014270.D

Acq: 26 Dec 2019 15:34

Tgt Ion: 84 Resp: 4899

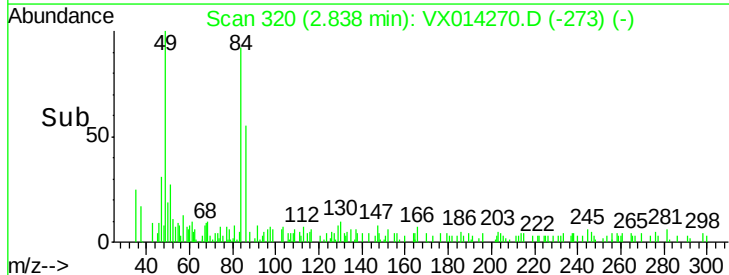
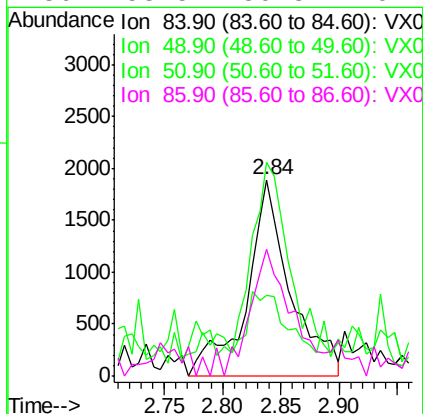
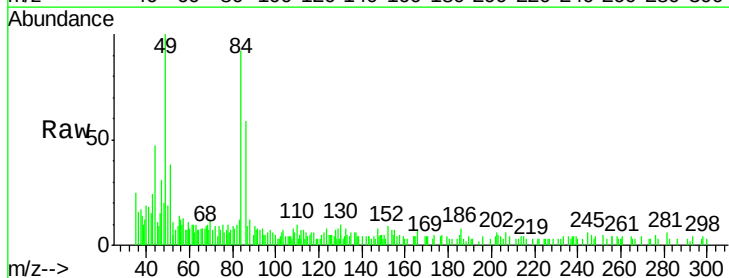
Ion Ratio Lower Upper

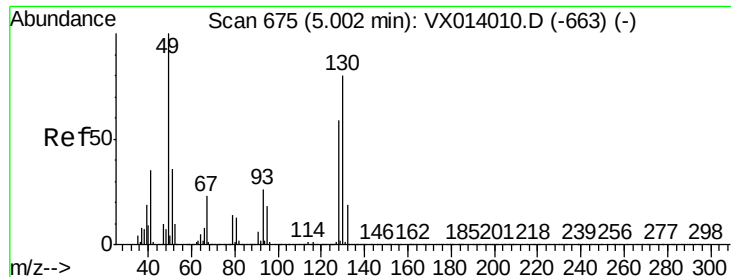
84 100

49 104.7 95.8 143.6

51 28.2 29.8 44.8#

86 53.5 50.8 76.2





#28

Bromochloromethane

Concen: 0.592 ug/l

RT: 5.02 min Scan# 678

Delta R.T. 0.02 min

Lab File: VX014270.D

Acq: 26 Dec 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

SB-5-(0-2)

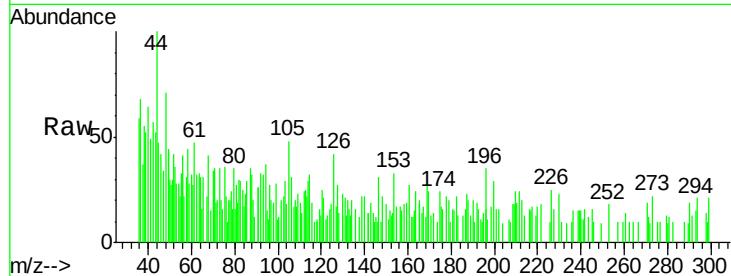
Tgt Ion: 49 Resp: 529

Ion Ratio Lower Upper

49 100

129 41.0 0.0 5.0#

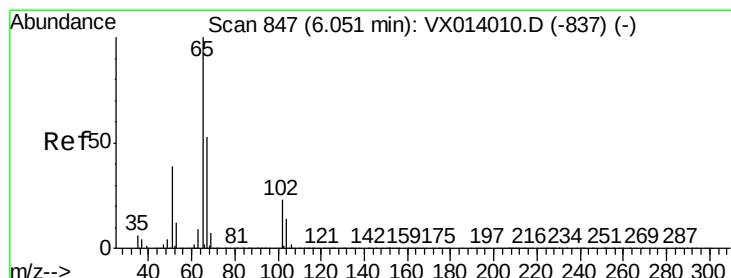
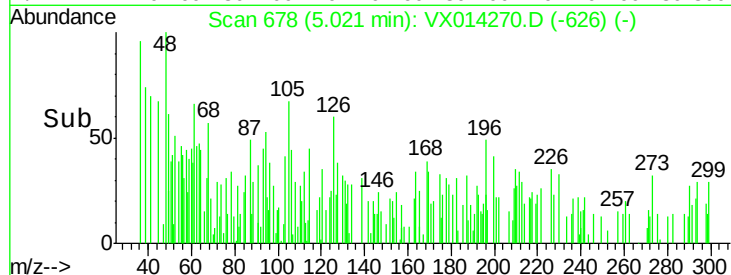
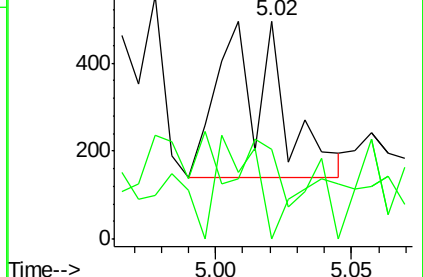
130 33.6 64.6 97.0#



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



#33

1,2-Dichloroethane-d4

Concen: 48.731 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX014270.D

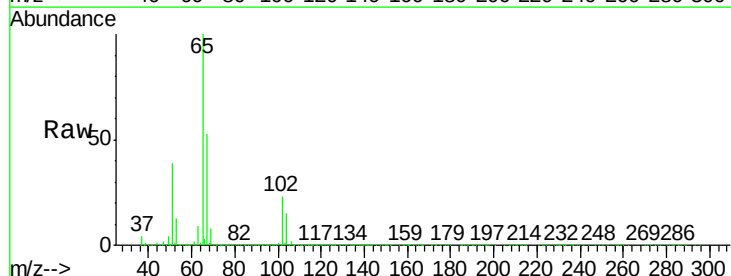
Acq: 26 Dec 2019 15:34

Tgt Ion: 65 Resp: 284991

Ion Ratio Lower Upper

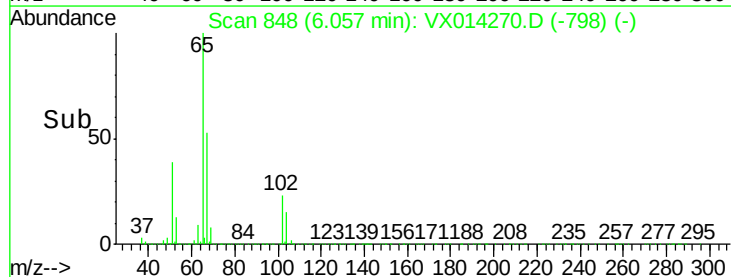
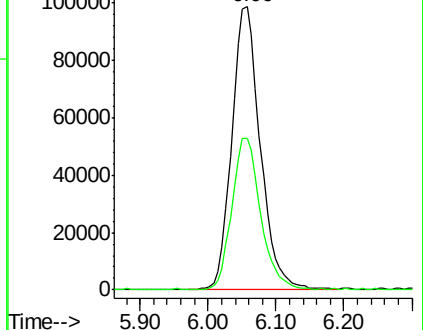
65 100

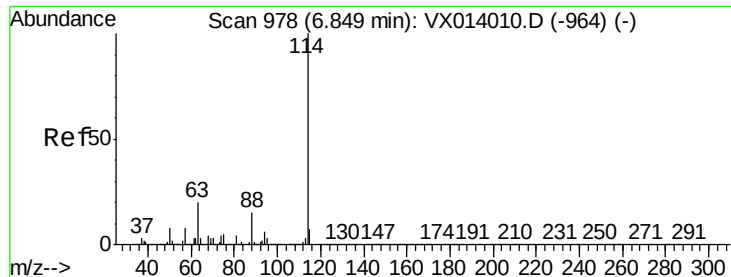
67 54.8 0.0 106.4



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: VX014270.D

Acq: 26 Dec 2019 15:34

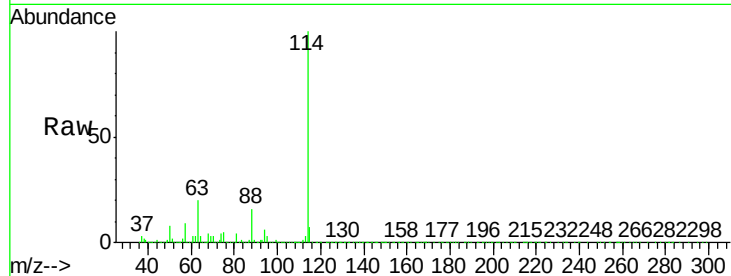
Instrument :

MSVOA_X

ClientSampleId :

SB-5-(0-2)

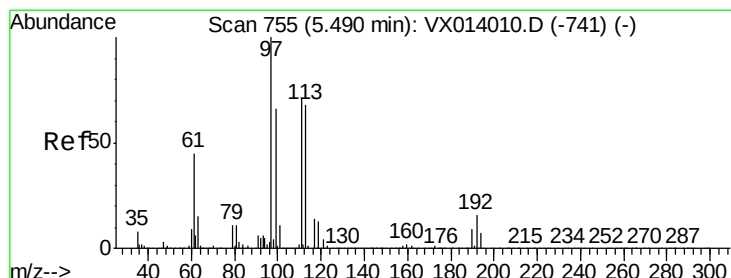
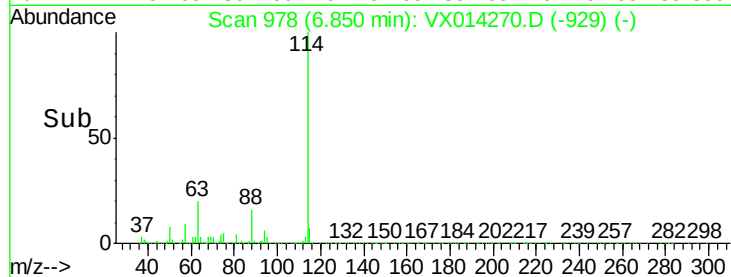
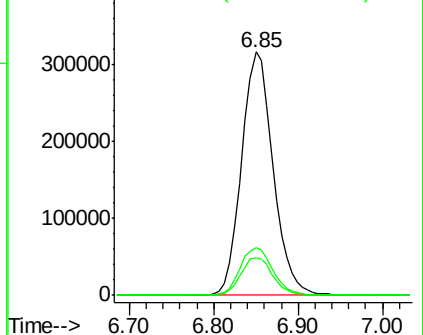
Tgt Ion:	114	Resp:	799110
Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	40.8
88	15.5	0.0	30.4



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: 46.609 ug/l

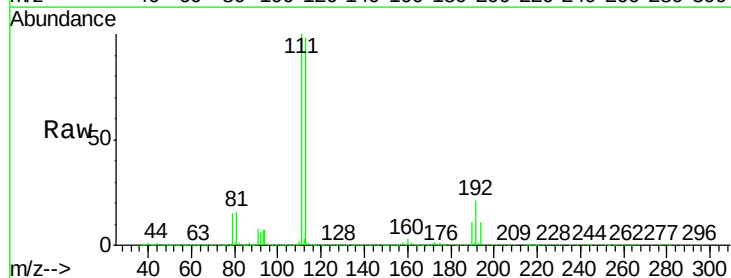
RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014270.D

Acq: 26 Dec 2019 15:34

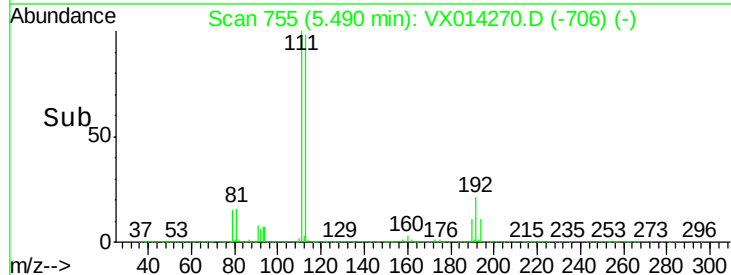
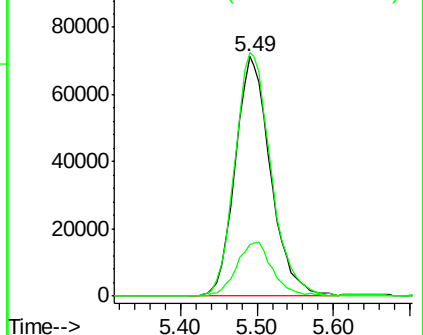
Tgt Ion:	113	Resp:	226411
Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.0	123.0
192	22.8	19.3	28.9

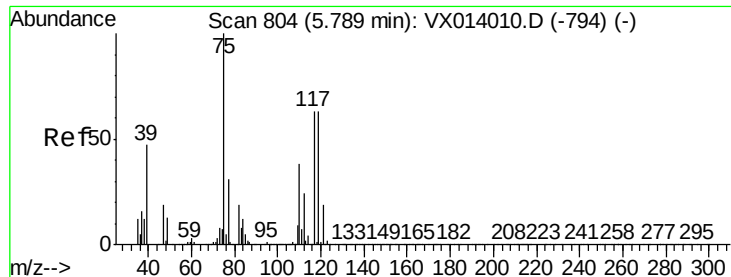


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

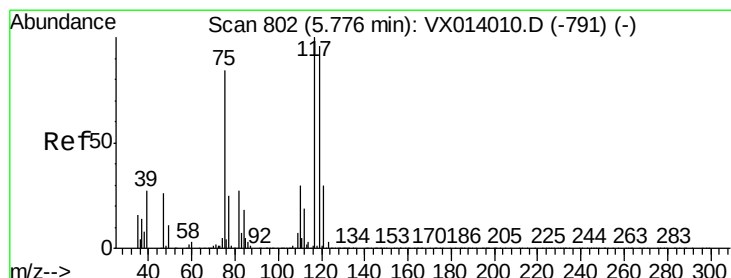
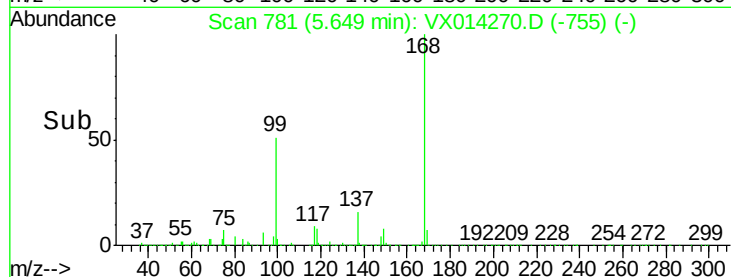
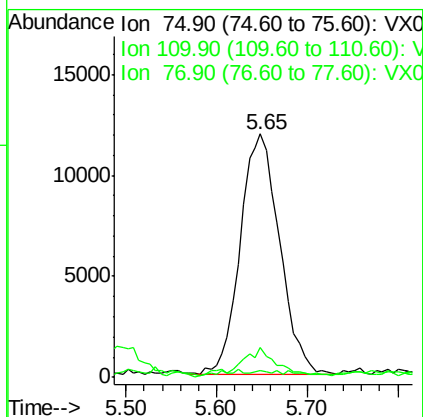
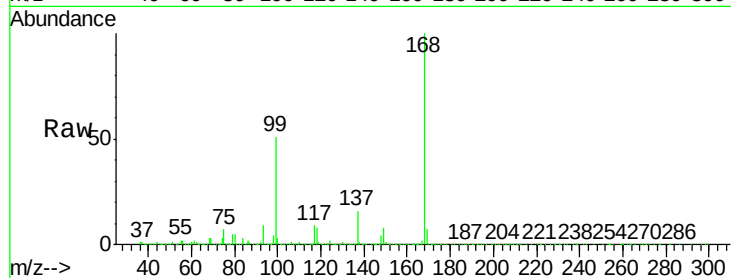




#36
 1,1-Dichloropropene
 Concen: 4.875 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX014270.D
 Acq: 26 Dec 2019 15:34

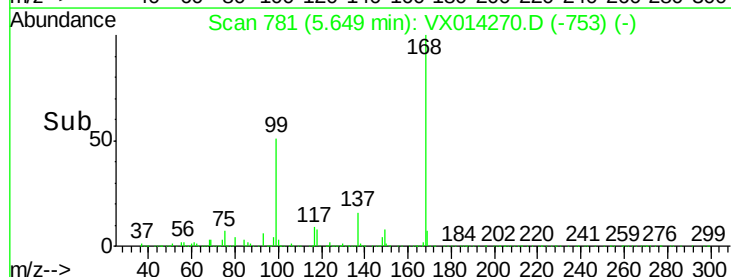
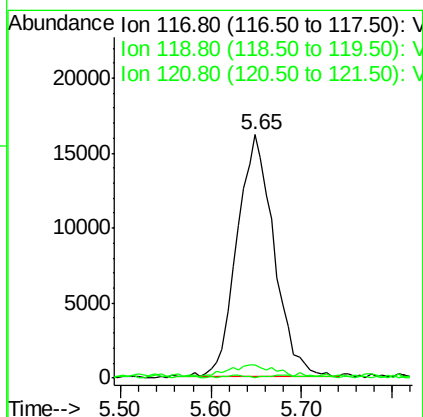
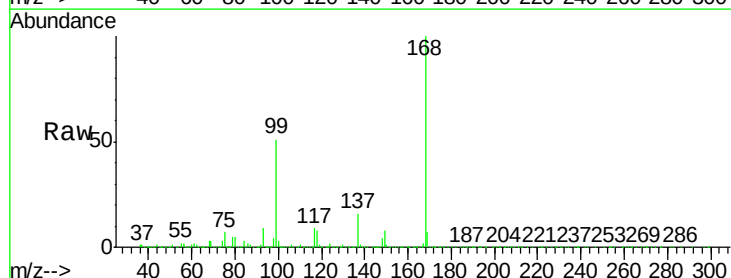
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-5-(0-2)

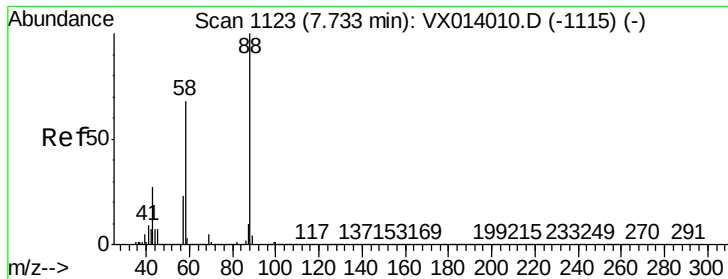
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.3	54.9#
77	0.2	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.892 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX014270.D
 Acq: 26 Dec 2019 15:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.2	114.4#
121	0.0	23.6	35.4#

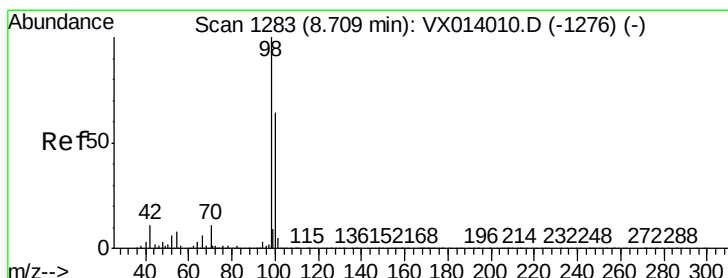
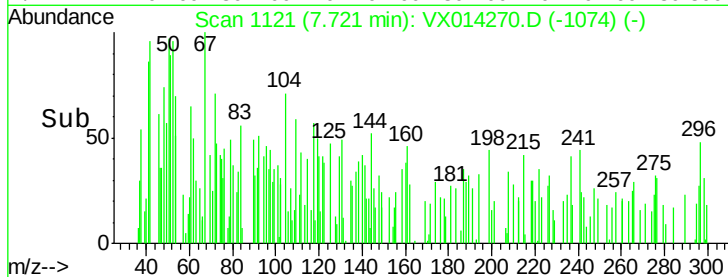
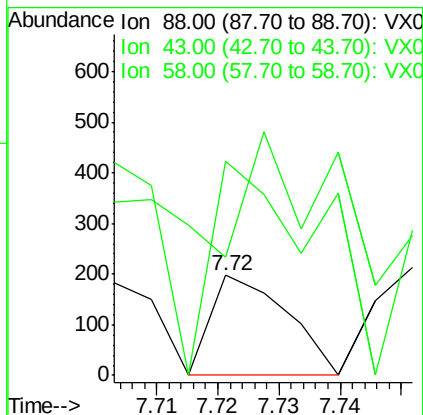
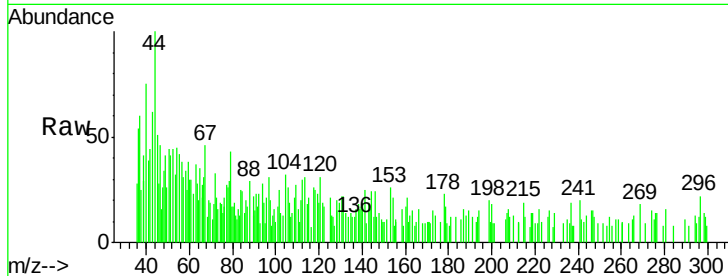




#49
1,4-Dioxane
Concen: 1.258 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VX014270.D
Acq: 26 Dec 2019 15:34

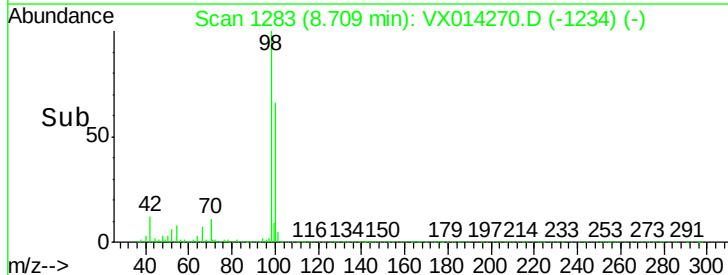
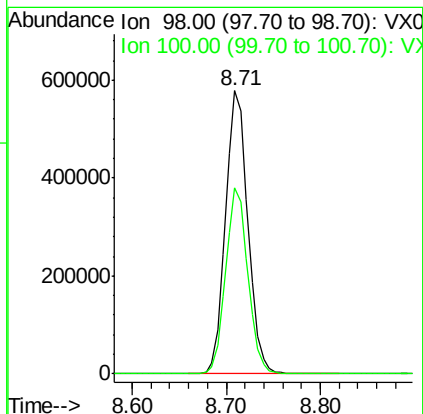
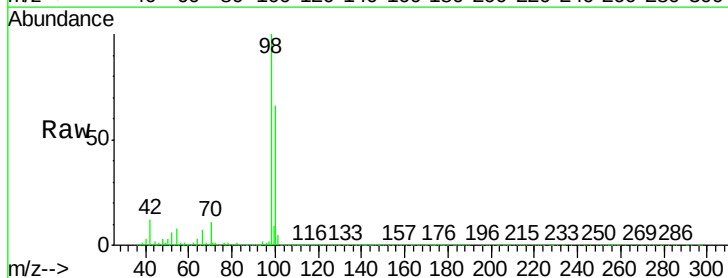
Instrument :
MSVOA_X
ClientSampled :
SB-5-(0-2)

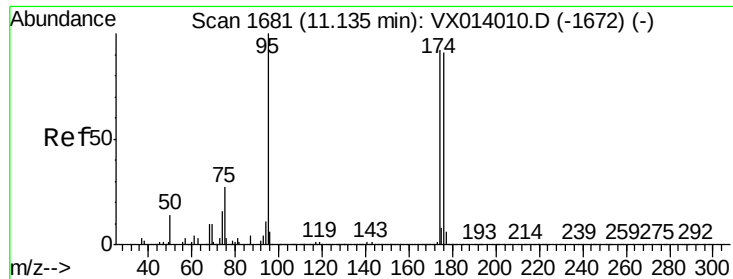
Tgt Ion: 88 Resp: 168
Ion Ratio Lower Upper
88 100
43 300.6 26.5 39.7#
58 147.6 56.8 85.2#



#50
Toluene-d8
Concen: 50.293 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014270.D
Acq: 26 Dec 2019 15:34

Tgt Ion: 98 Resp: 951151
Ion Ratio Lower Upper
98 100
100 65.2 52.9 79.3





#62

4-Bromofluorobenzene

Concen: 47.501 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX014270.D

Acq: 26 Dec 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

SB-5-(0-2)

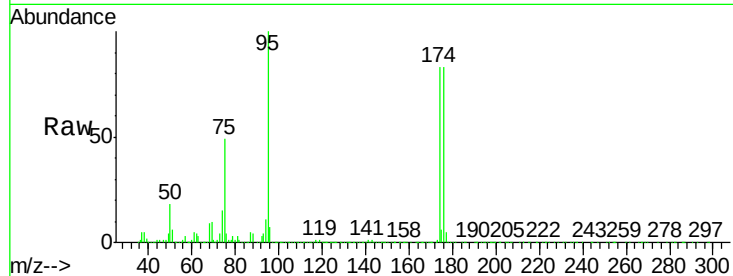
Tgt Ion: 95 Resp: 328387

Ion Ratio Lower Upper

95 100

174 87.5 0.0 175.8

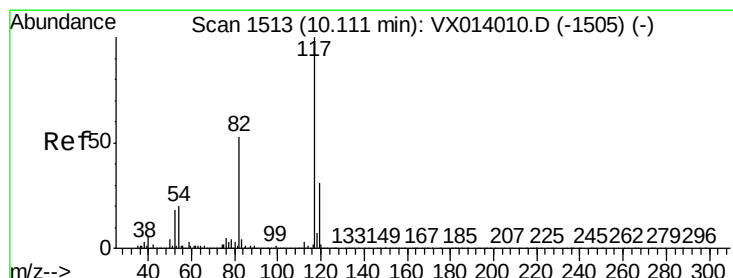
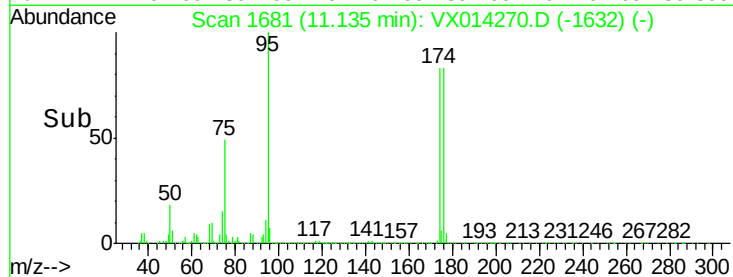
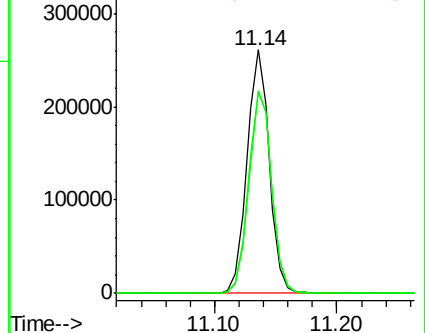
176 84.9 0.0 173.0



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: VX014270.D

Acq: 26 Dec 2019 15:34

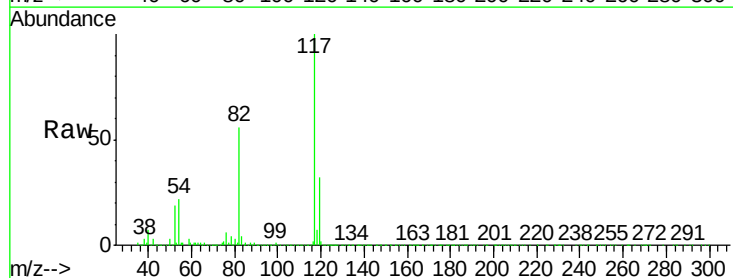
Tgt Ion: 117 Resp: 709454

Ion Ratio Lower Upper

117 100

82 56.4 42.2 63.4

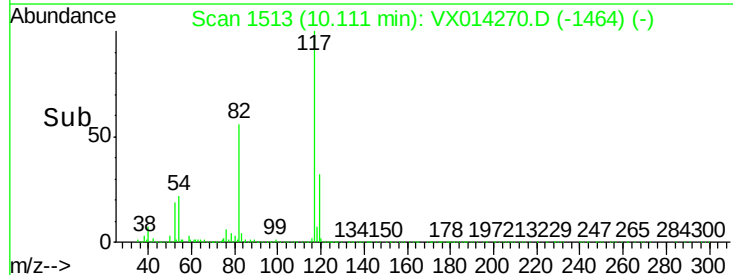
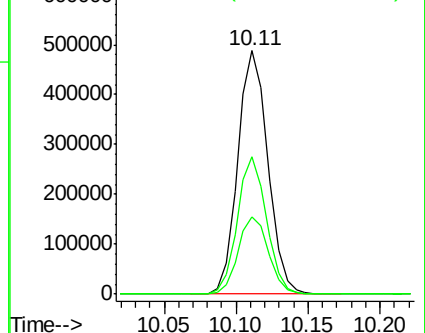
119 31.9 25.1 37.7

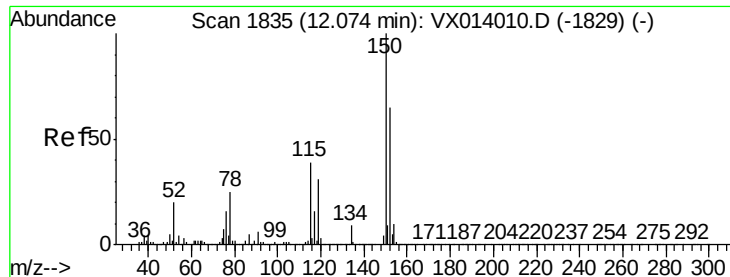


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



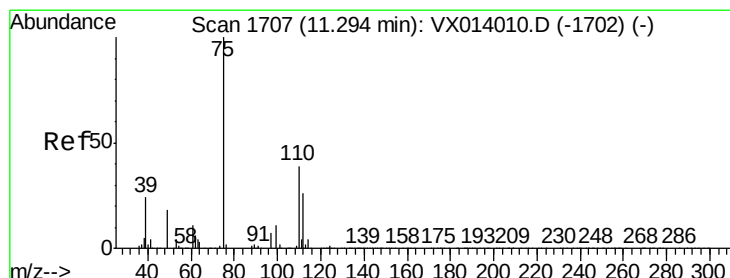
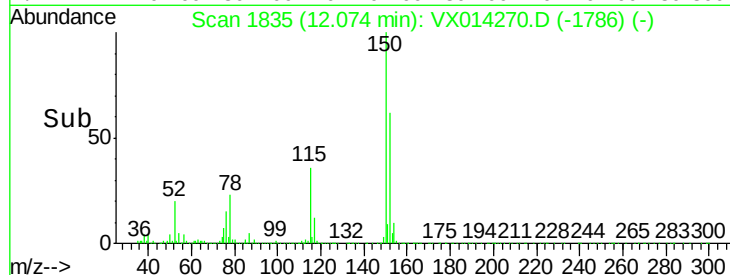
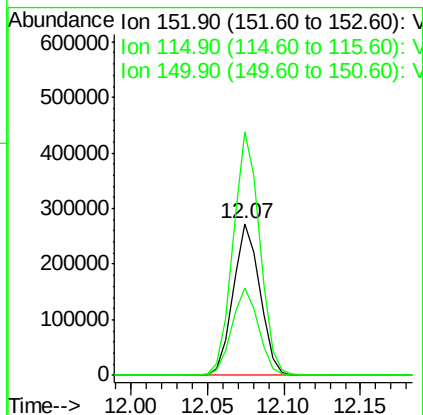
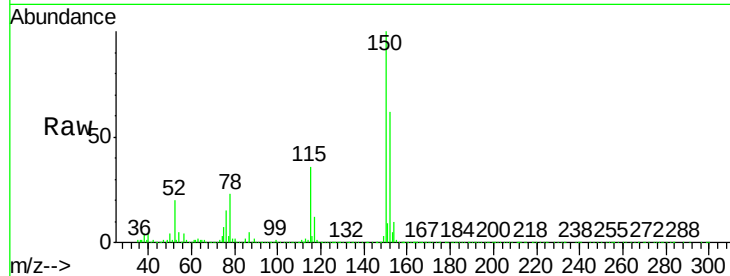


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014270.D
Acq: 26 Dec 2019 15:34

Instrument :
MSVOA_X
ClientSampleId :
SB-5-(0-2)

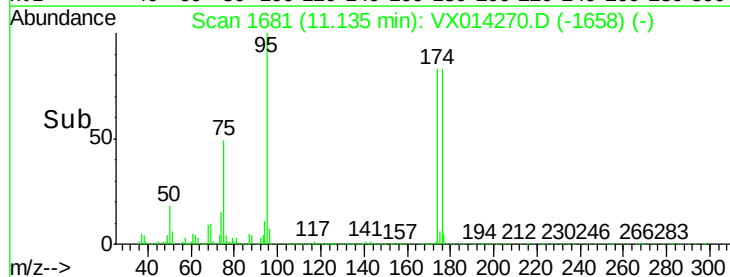
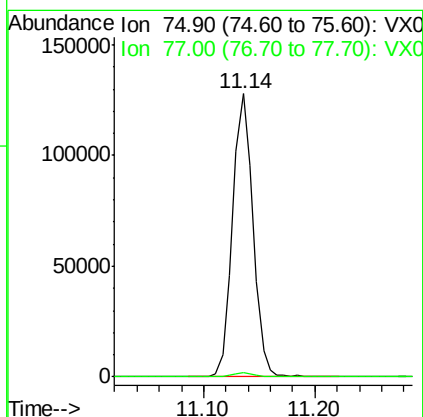
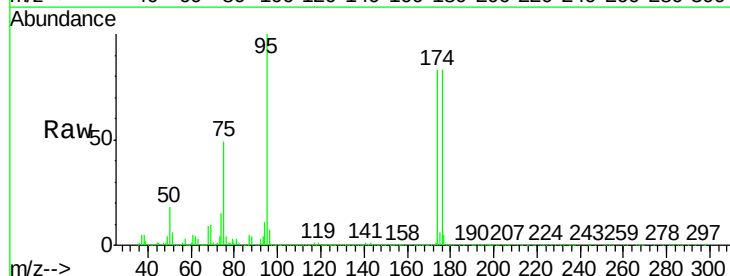
Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.3	38.3	114.9
150	158.5	0.0	345.4

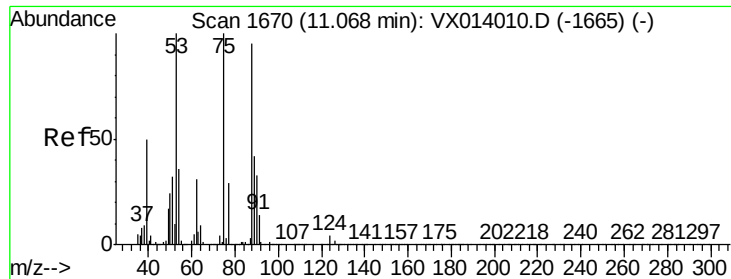


#76

1,2,3-Trichloropropane
Concen: 22.639 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.16 min
Lab File: VX014270.D
Acq: 26 Dec 2019 15:34

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	19.3	57.8





#81

trans-1,4-Dichloro-2-butene

Concen: 63.898 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX014270.D

Acq: 26 Dec 2019 15:34

Instrument :

MSVOA_X

ClientSampleId :

SB-5-(0-2)

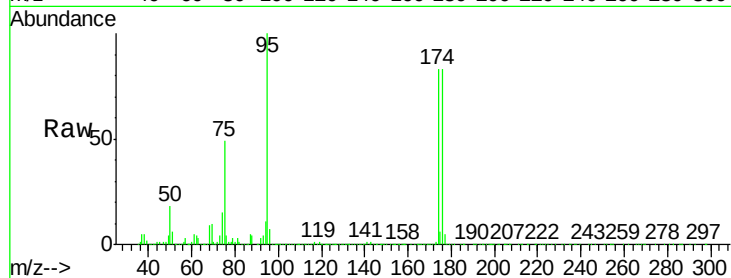
Tgt Ion: 75 Resp: 163164

Ion Ratio Lower Upper

75 100

53 0.0 76.7 115.1#

89 0.0 34.6 51.8#



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

