

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122619\
 Data File : VX014265.D
 Acq On : 26 Dec 2019 13:38
 Operator : JC/SP
 Sample : K6405-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1002-TB122019

Quant Time: Dec 27 05:58:57 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	540463	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	841355	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	752846	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	332840	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	304615	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	
35) Dibromofluoromethane	5.49	113	250140	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
50) Toluene-d8	8.71	98	997476	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
62) 4-Bromofluorobenzene	11.13	95	336472	46.23	ug/l	0.00
Spiked Amount			Recovery	=	92.46%	

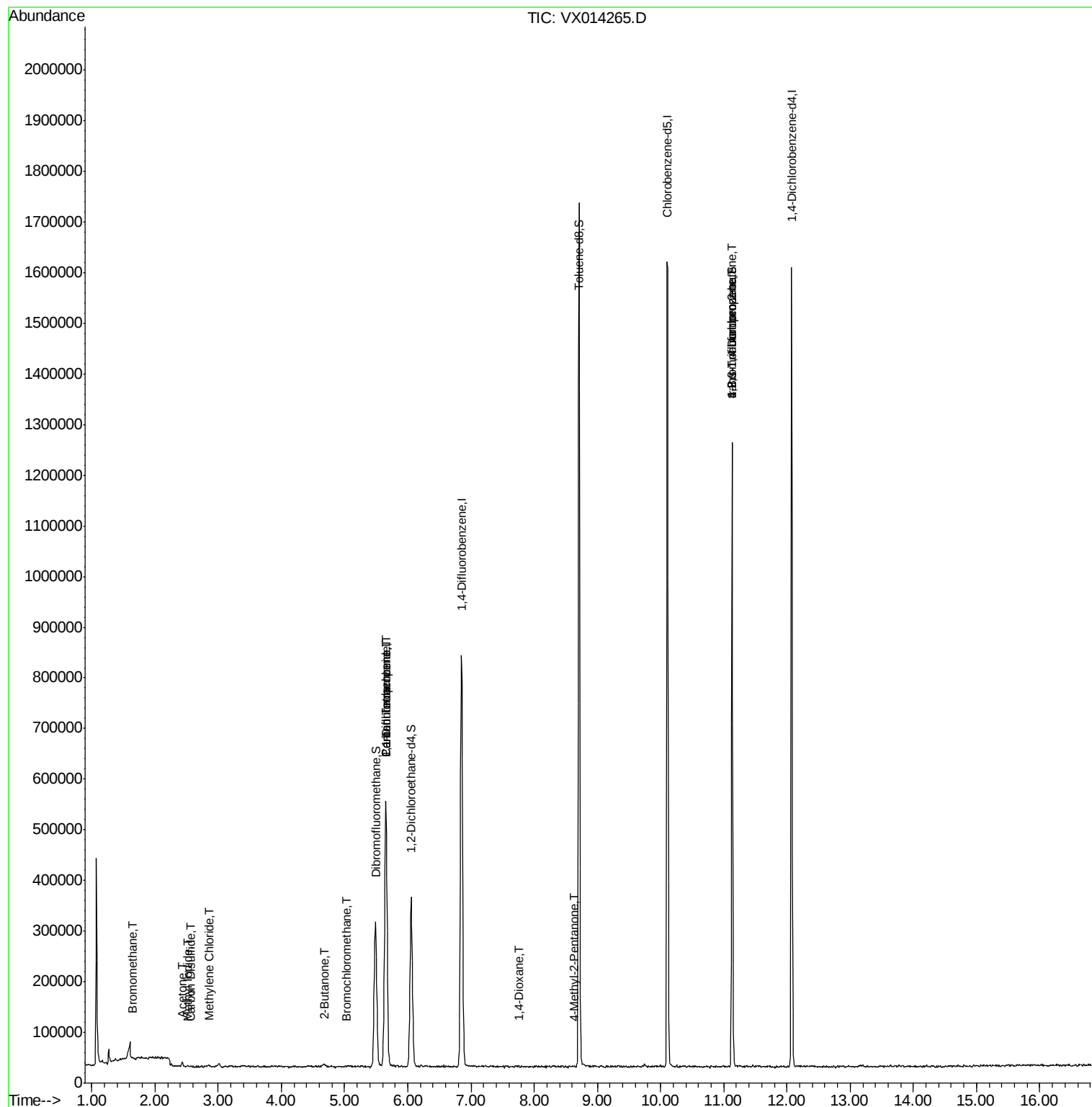
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1659	0.341	ug/l #	57
10) Methyl Iodide	2.51	142	1871	2.884	ug/l #	46
16) Acetone	2.44	43	9006	2.265	ug/l	97
17) Carbon Disulfide	2.56	76	1434	0.848	ug/l	100
20) Methylene Chloride	2.84	84	2639	0.421	ug/l #	88
25) 2-Butanone	4.67	43	1952	0.398	ug/l #	84
28) Bromochloromethane	5.03	49	573	0.597	ug/l #	89
36) 1,1-Dichloropropene	5.65	75	35755	4.632	ug/l #	52
38) Carbon Tetrachloride	5.65	117	48809	6.940	ug/l #	17
49) 1,4-Dioxane	7.76	88	126	0.896	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	2231	0.252	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	163674	22.651	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	163674	63.933	ug/l #	12

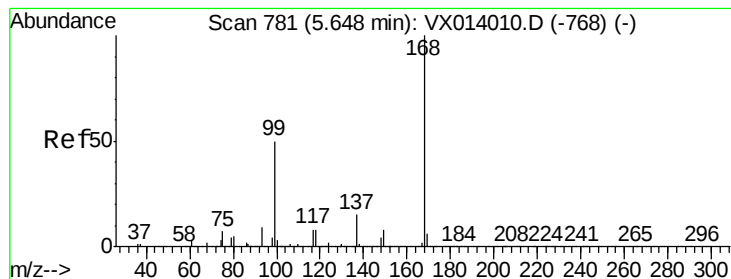
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX122619\
Data File : VX014265.D
Acq On : 26 Dec 2019 13:38
Operator : JC/SP
Sample : K6405-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1002-TB122019

Quant Time: Dec 27 05:58:57 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
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# 782

Delta R.T. 0.01 min

Lab File: VX014265.D

Acq: 26 Dec 2019 13:38

Instrument :

MSVOA_X

ClientSampleId :

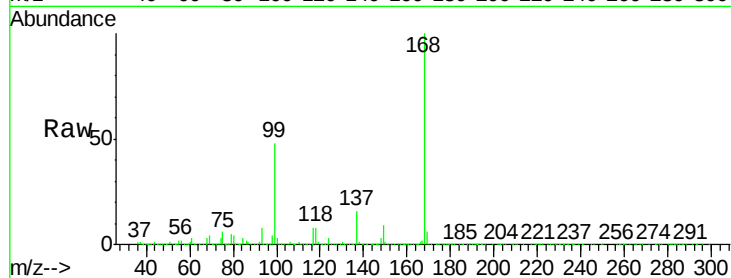
1002-TB122019

Tgt Ion: 168 Resp: 540463

Ion Ratio Lower Upper

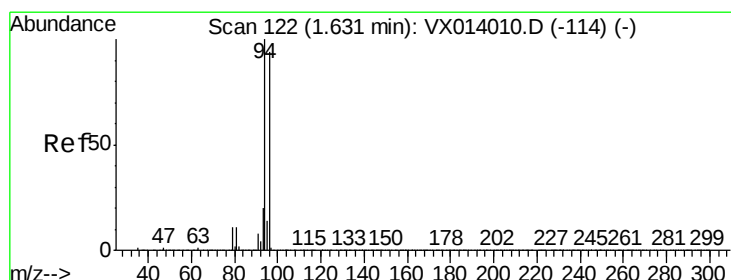
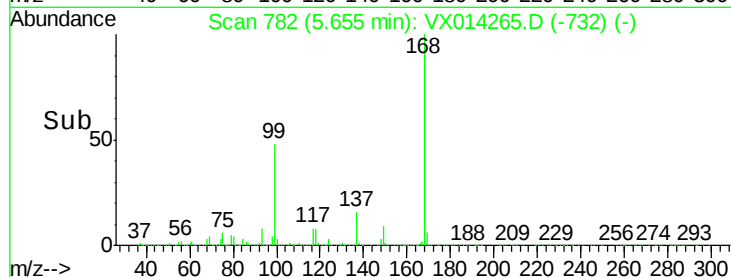
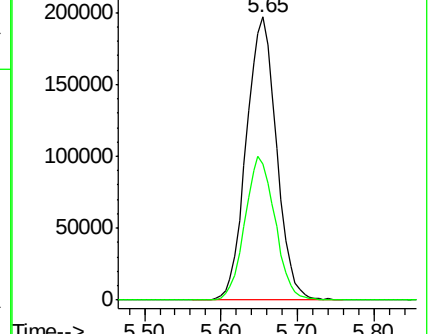
168 100

99 48.3 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.341 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX014265.D

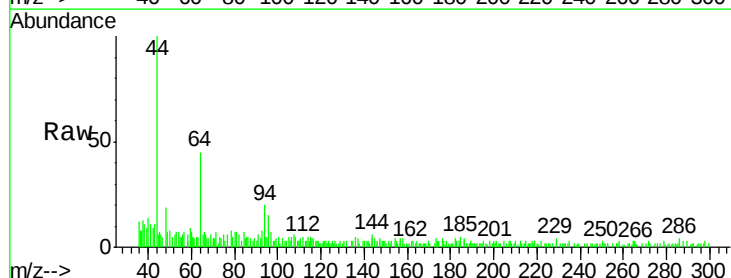
Acq: 26 Dec 2019 13:38

Tgt Ion: 94 Resp: 1659

Ion Ratio Lower Upper

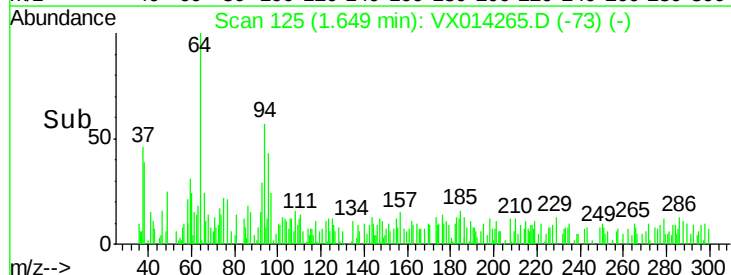
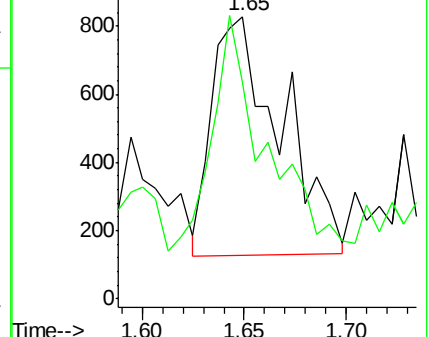
94 100

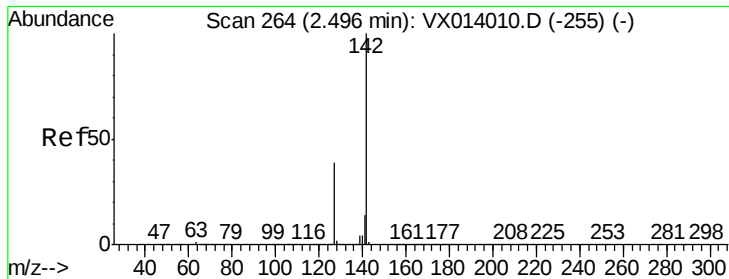
96 52.3 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#10

Methyl Iodide

Concen: 2.884 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.02 min

Lab File: VX014265.D

Acq: 26 Dec 2019 13:38

Instrument :

MSVOA_X

ClientSampleId :

1002-TB122019

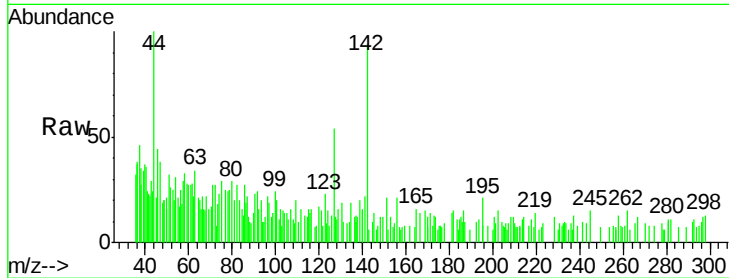
Tgt Ion:142 Resp: 1871

Ion Ratio Lower Upper

142 100

127 83.5 31.6 47.4#

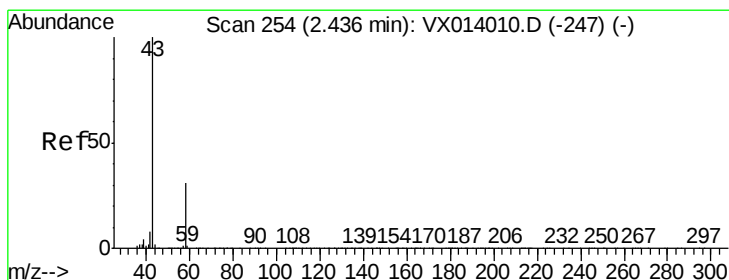
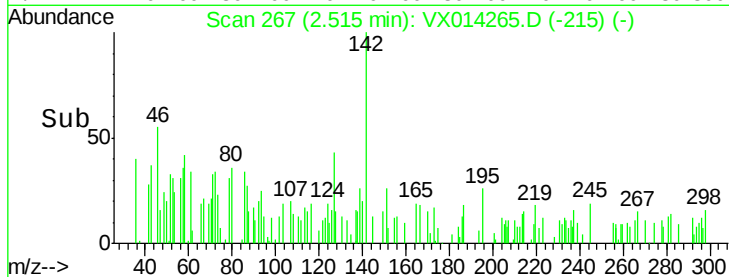
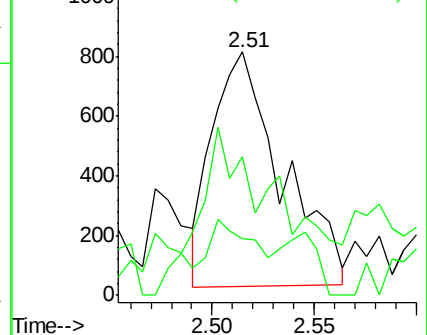
141 17.2 11.6 17.4



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



#16

Acetone

Concen: 2.265 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX014265.D

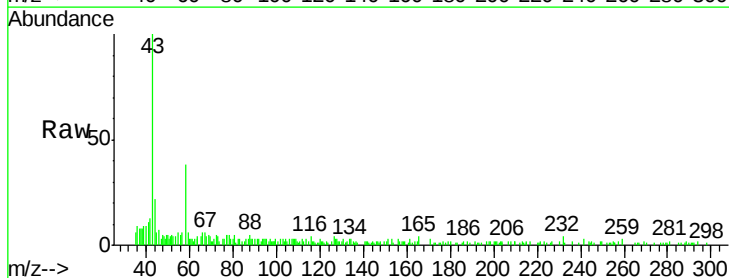
Acq: 26 Dec 2019 13:38

Tgt Ion: 43 Resp: 9006

Ion Ratio Lower Upper

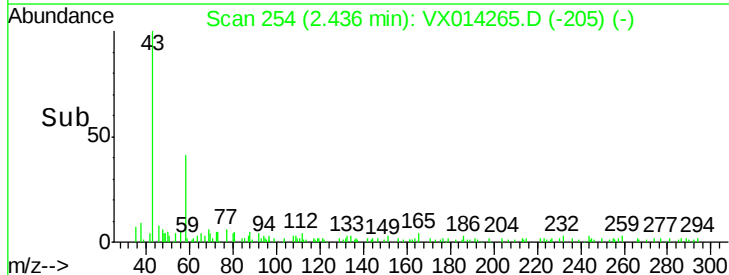
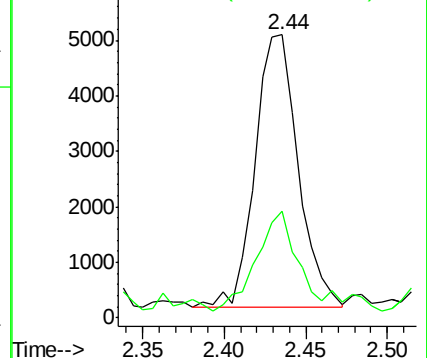
43 100

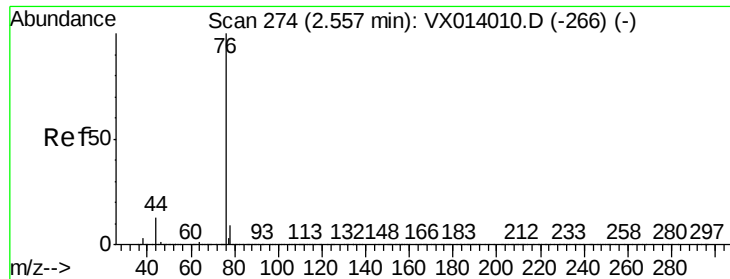
58 33.0 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.848 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX014265.D

Acq: 26 Dec 2019 13:38

Instrument :

MSVOA_X

ClientSampled :

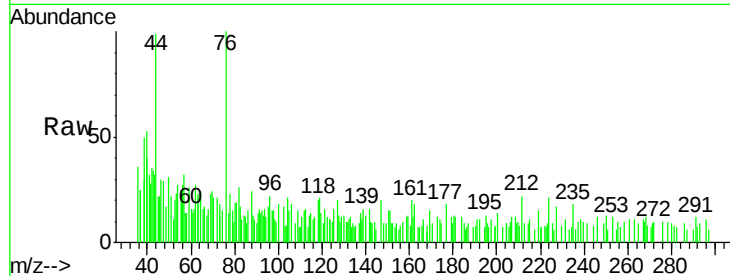
1002-TB122019

Tgt Ion: 76 Resp: 1434

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

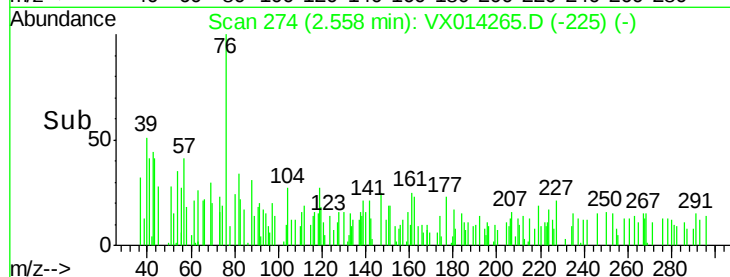


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

Time-->

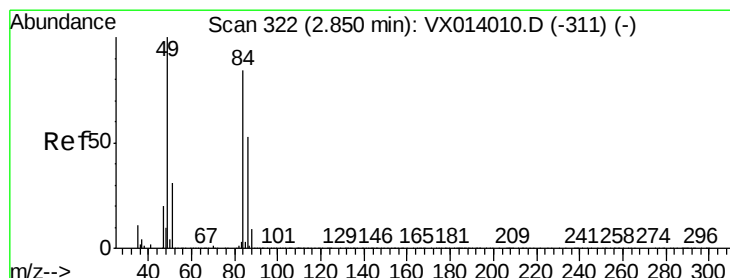


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

Time-->



#20

Methylene Chloride

Concen: 0.421 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.01 min

Lab File: VX014265.D

Acq: 26 Dec 2019 13:38

Tgt Ion: 84 Resp: 2639

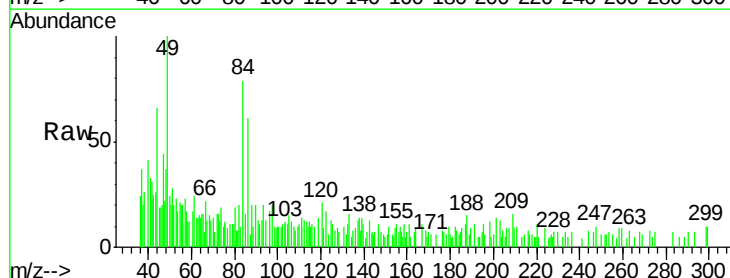
Ion Ratio Lower Upper

84 100

49 130.7 95.8 143.6

51 44.8 29.8 44.8#

86 74.9 50.8 76.2



Abundance Ion 83.90 (83.60 to 84.60): VX0

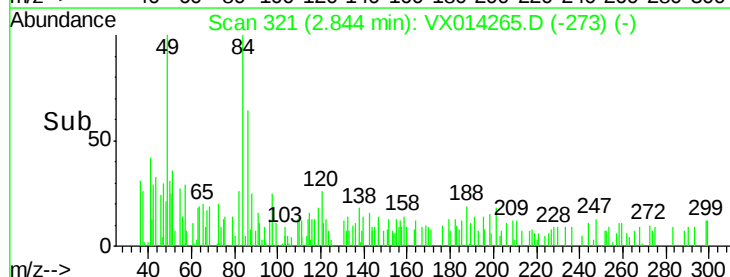
Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

2.84

Time-->



Abundance Ion 83.90 (83.60 to 84.60): VX0

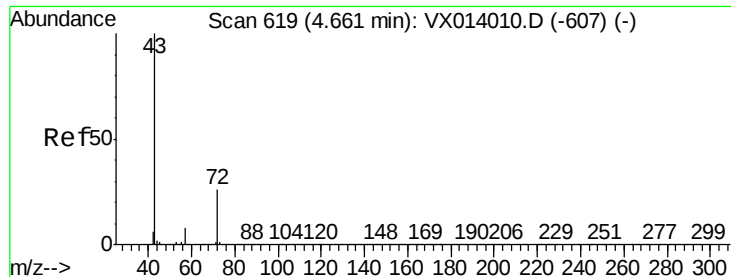
Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

2.84

Time-->



#25

2-Butanone

Concen: 0.398 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.01 min

Lab File: VX014265.D

Acq: 26 Dec 2019 13:38

Instrument :

MSVOA_X

ClientSampled :

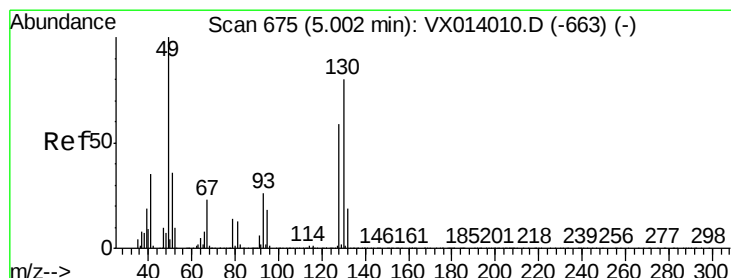
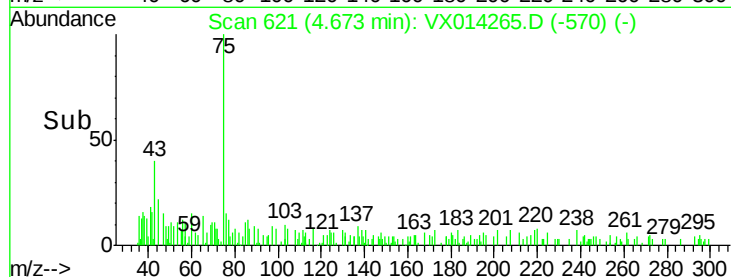
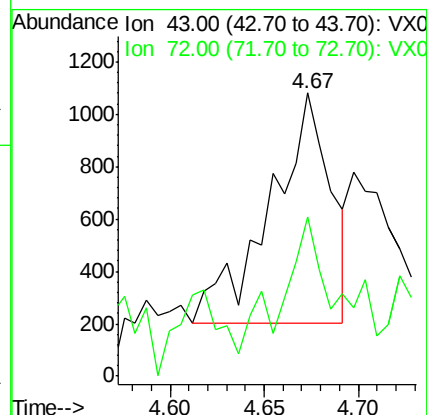
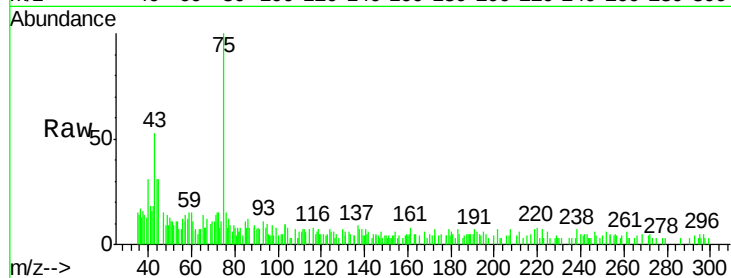
1002-TB122019

Tgt Ion: 43 Resp: 1952

Ion Ratio Lower Upper

43 100

72 34.4 21.0 31.4#



#28

Bromochloromethane

Concen: 0.597 ug/l

RT: 5.03 min Scan# 679

Delta R.T. 0.02 min

Lab File: VX014265.D

Acq: 26 Dec 2019 13:38

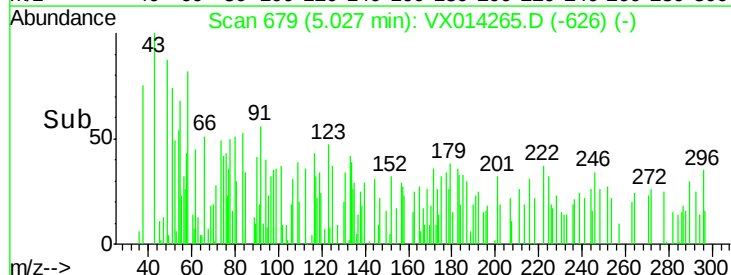
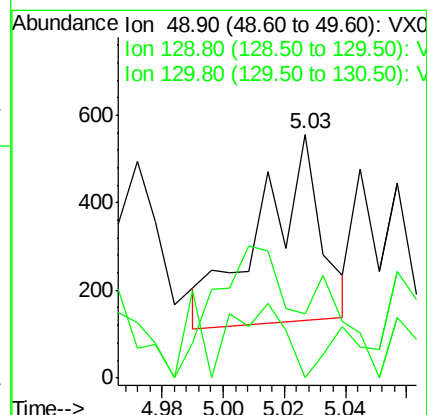
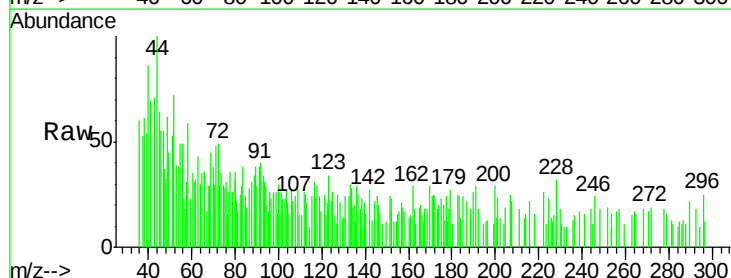
Tgt Ion: 49 Resp: 573

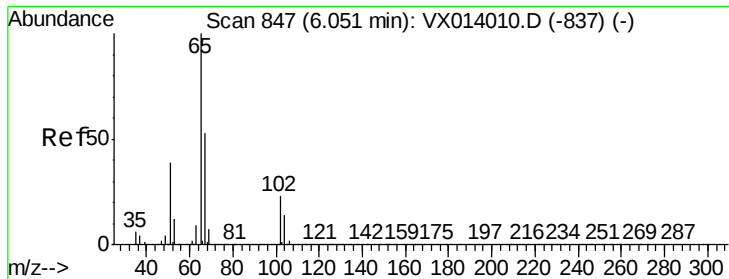
Ion Ratio Lower Upper

49 100

129 34.9 0.0 5.0#

130 88.5 64.6 97.0





#33

1,2-Dichloroethane-d4

Concen: 49.730 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014265.D

Acq: 26 Dec 2019 13:38

Instrument :

MSVOA_X

ClientSampleId :

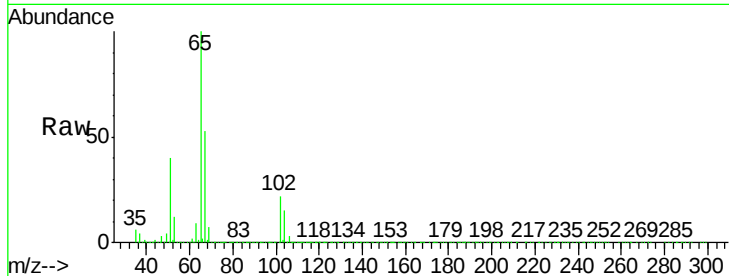
1002-TB122019

Tgt Ion: 65 Resp: 304615

Ion Ratio Lower Upper

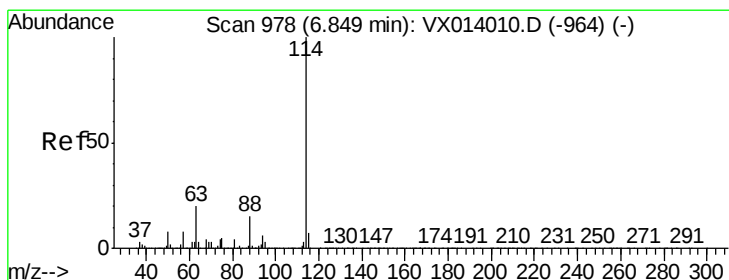
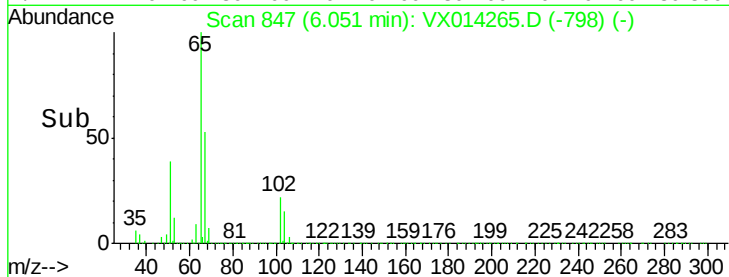
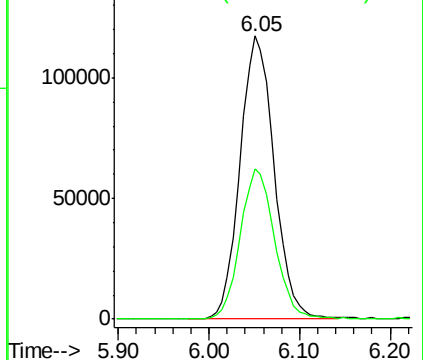
65 100

67 53.6 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: VX014265.D

Acq: 26 Dec 2019 13:38

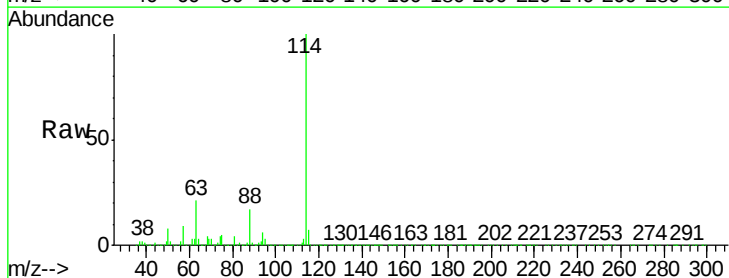
Tgt Ion: 114 Resp: 841355

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

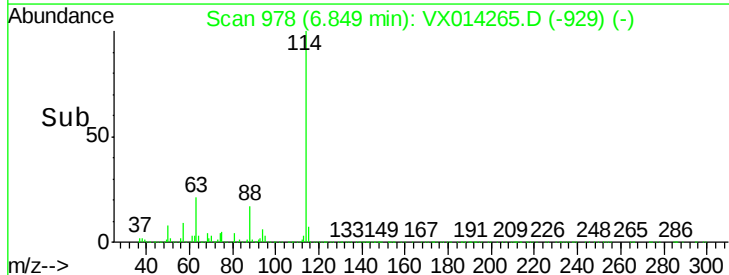
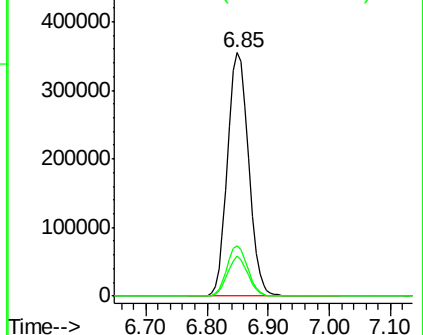
88 16.6 0.0 30.4

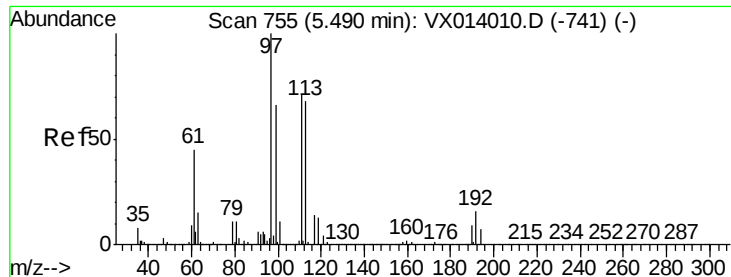


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.908 ug/l

RT: 5.49 min Scan# 755

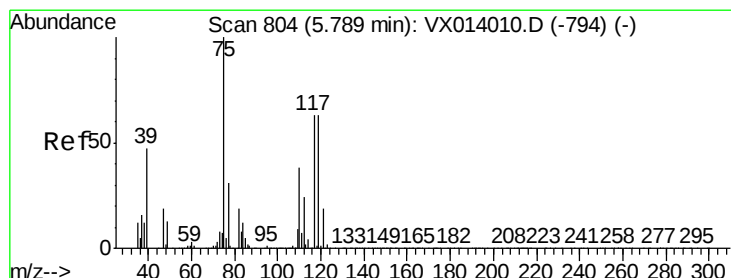
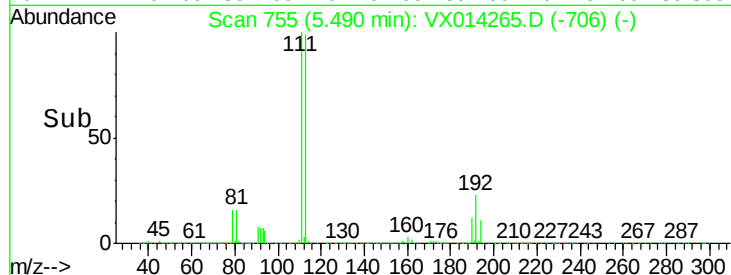
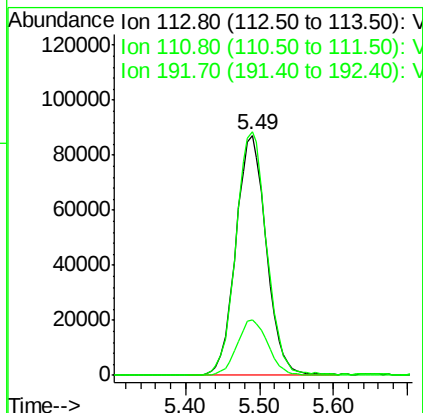
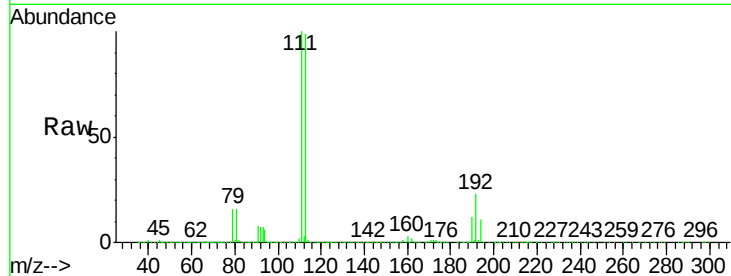
Delta R.T. 0.00 min

Lab File: VX014265.D

Acq: 26 Dec 2019 13:38

Instrument :
MSVOA_X
ClientSampleId :
1002-TB122019

Tgt Ion:	113	Resp:	250140
Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.0	123.0
192	23.1	19.3	28.9



#36

1,1-Dichloropropene

Concen: 4.632 ug/l

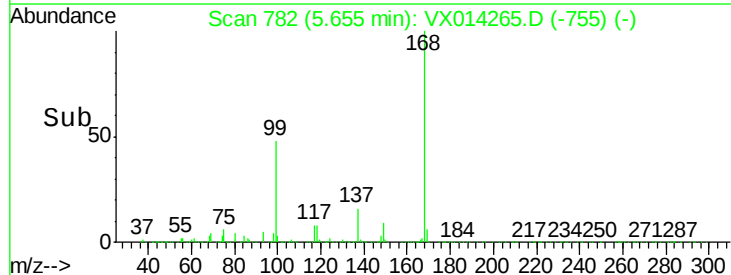
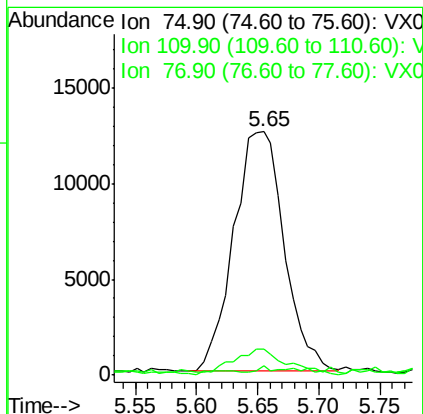
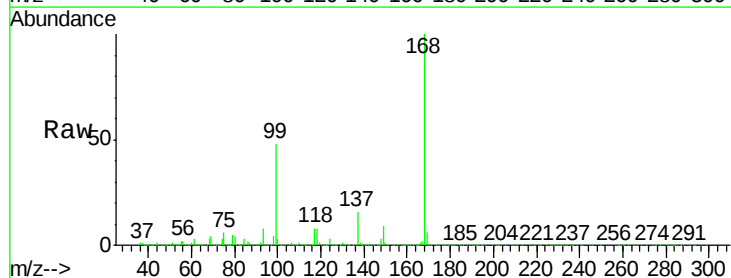
RT: 5.65 min Scan# 782

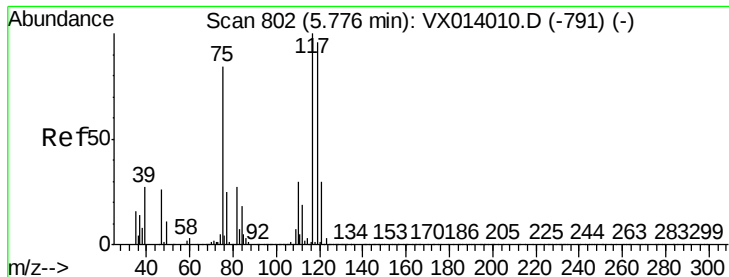
Delta R.T. -0.13 min

Lab File: VX014265.D

Acq: 26 Dec 2019 13:38

Tgt Ion:	75	Resp:	35755
Ion	Ratio	Lower	Upper
75	100		
110	11.6	18.3	54.9#
77	0.7	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.940 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX014265.D

Acq: 26 Dec 2019 13:38

Instrument :

MSVOA_X

ClientSampleId :

1002-TB122019

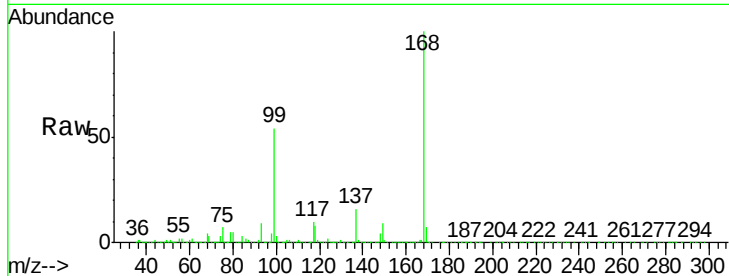
Tgt Ion: 117 Resp: 48809

Ion Ratio Lower Upper

117 100

119 6.0 76.2 114.4#

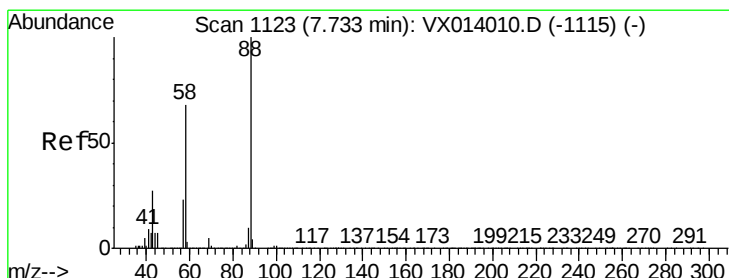
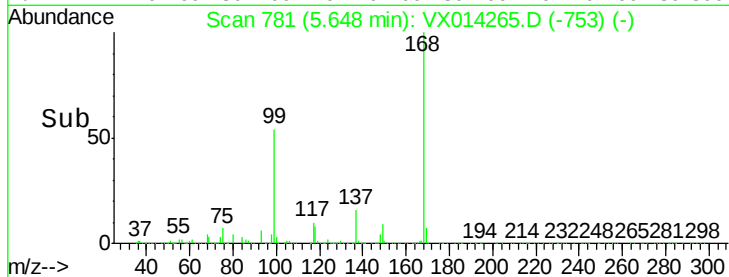
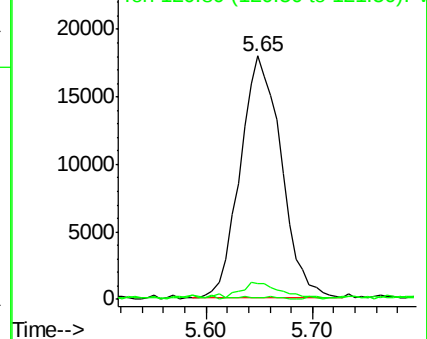
121 0.0 23.6 35.4#



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



#49

1,4-Dioxane

Concen: 0.896 ug/l

RT: 7.76 min Scan# 1127

Delta R.T. 0.02 min

Lab File: VX014265.D

Acq: 26 Dec 2019 13:38

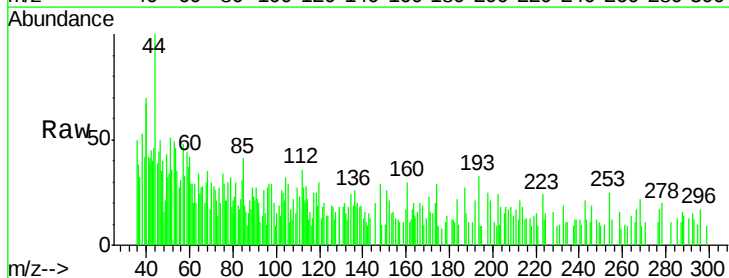
Tgt Ion: 88 Resp: 126

Ion Ratio Lower Upper

88 100

43 890.5 26.5 39.7#

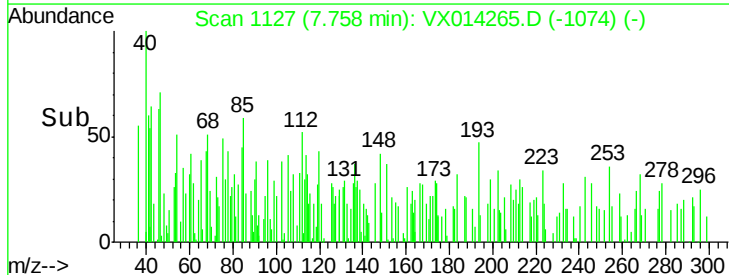
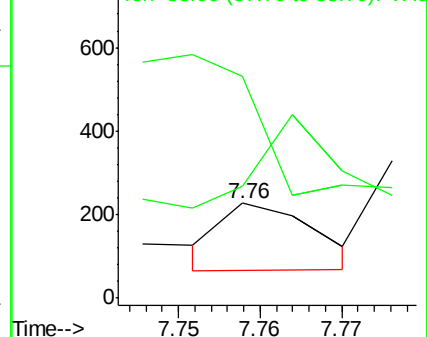
58 204.8 56.8 85.2#

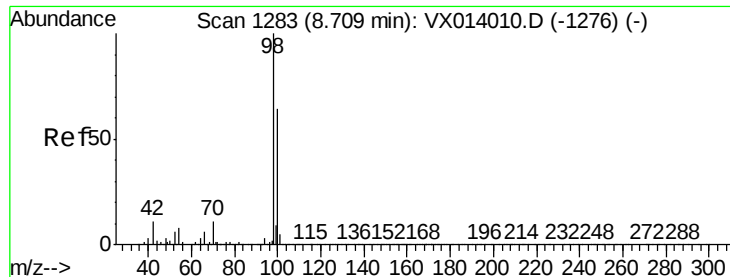


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.094 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014265.D

Acq: 26 Dec 2019 13:38

Instrument :

MSVOA_X

ClientSampleId :

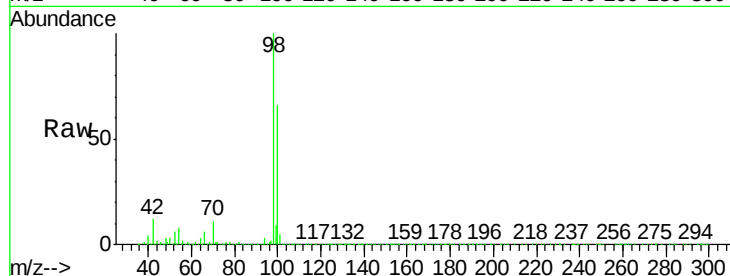
1002-TB122019

Tgt Ion: 98 Resp: 997476

Ion Ratio Lower Upper

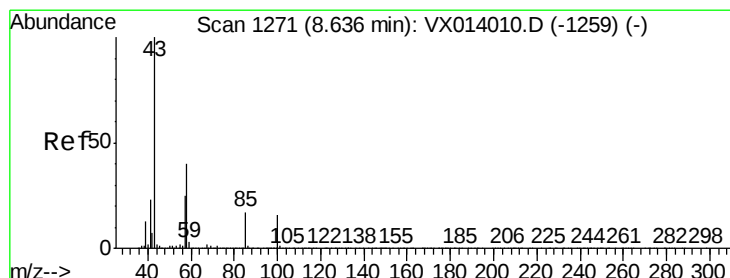
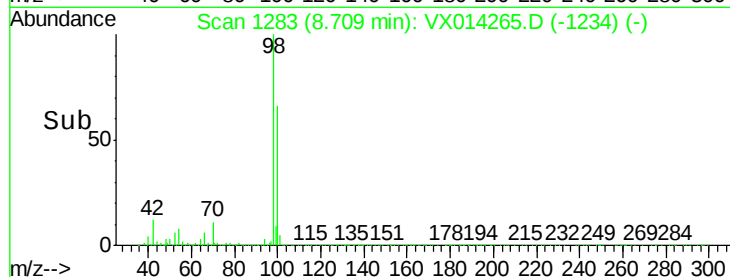
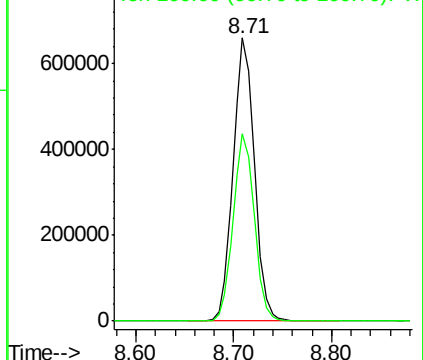
98 100

100 65.7 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 0.252 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX014265.D

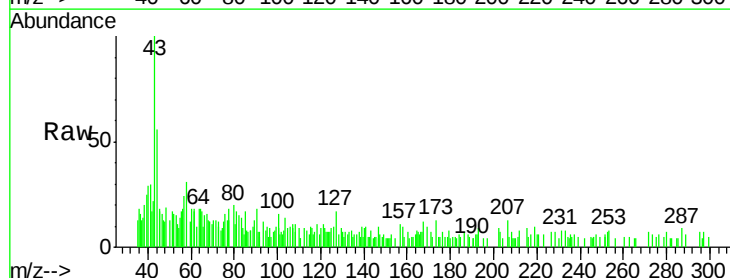
Acq: 26 Dec 2019 13:38

Tgt Ion: 43 Resp: 2231

Ion Ratio Lower Upper

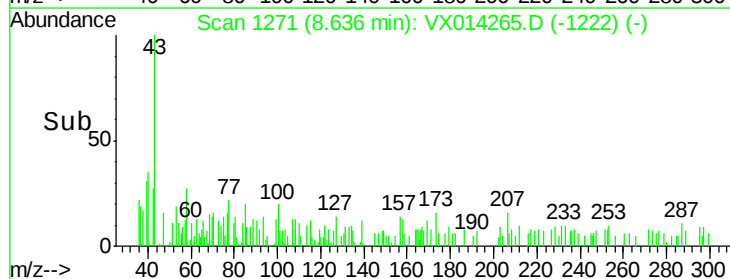
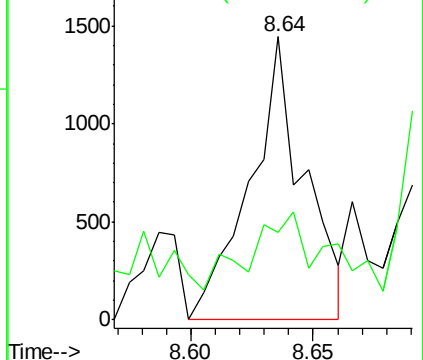
43 100

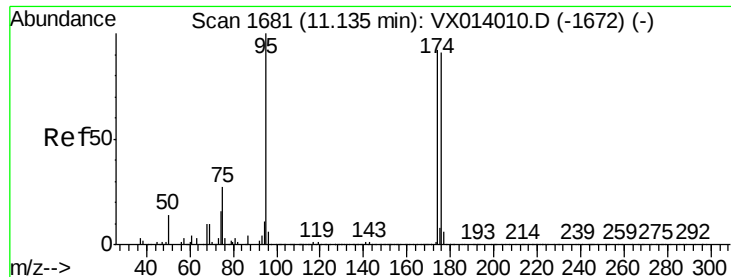
58 38.2 32.2 48.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 46.227 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014265.D

Acq: 26 Dec 2019 13:38

Instrument :

MSVOA_X

ClientSampleId :

1002-TB122019

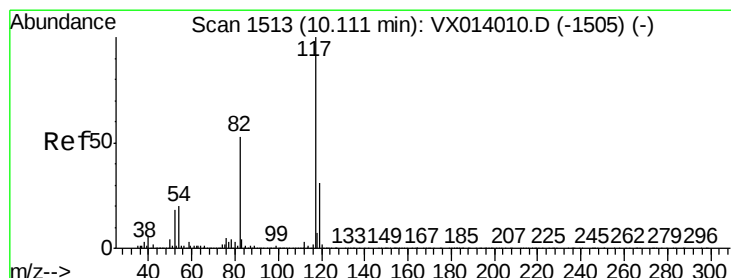
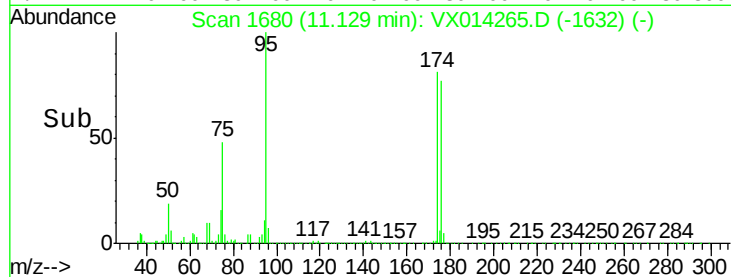
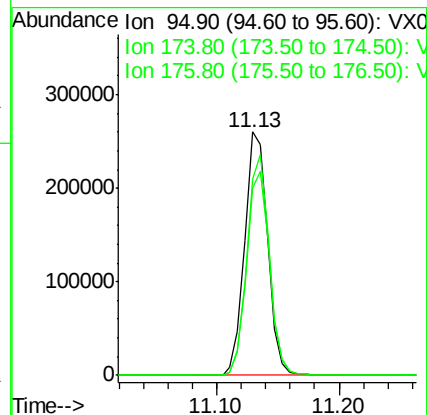
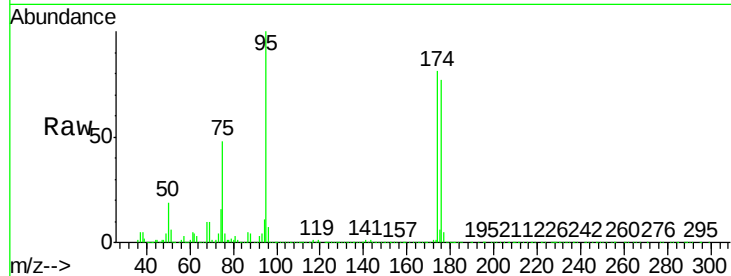
Tgt Ion: 95 Resp: 336472

Ion Ratio Lower Upper

95 100

174 88.9 0.0 175.8

176 84.1 0.0 173.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX014265.D

Acq: 26 Dec 2019 13:38

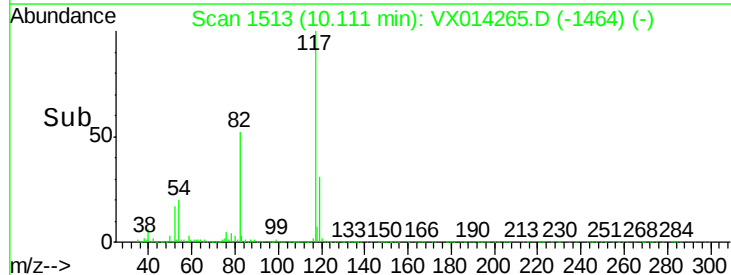
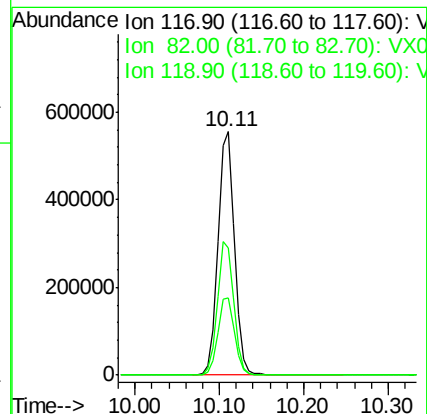
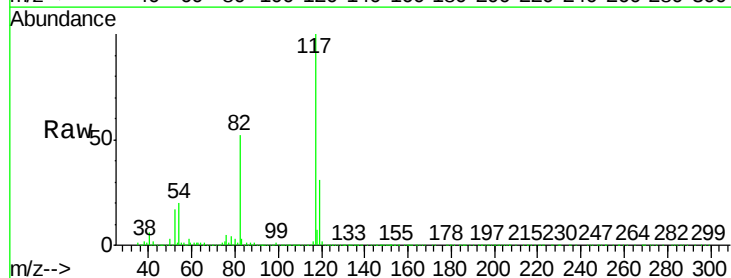
Tgt Ion: 117 Resp: 752846

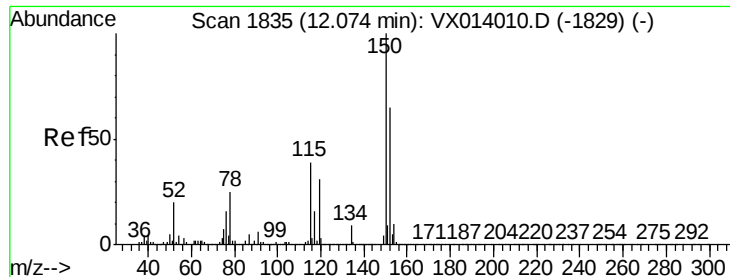
Ion Ratio Lower Upper

117 100

82 52.4 42.2 63.4

119 31.4 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014265.D

Acq: 26 Dec 2019 13:38

Instrument :

MSVOA_X

ClientSampleId :

1002-TB122019

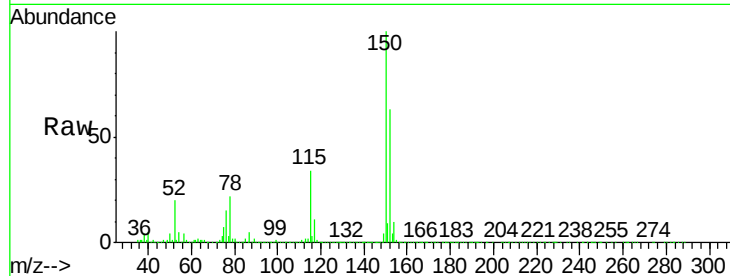
Tgt Ion: 152 Resp: 332840

Ion Ratio Lower Upper

152 100

115 55.2 38.3 114.9

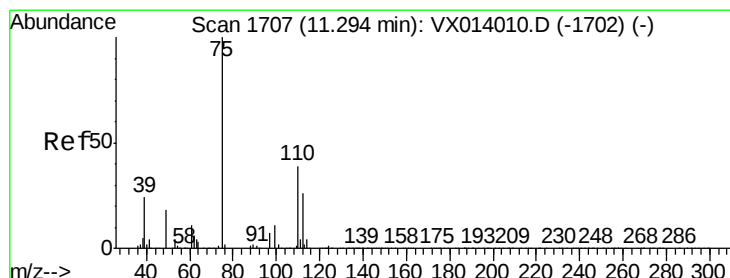
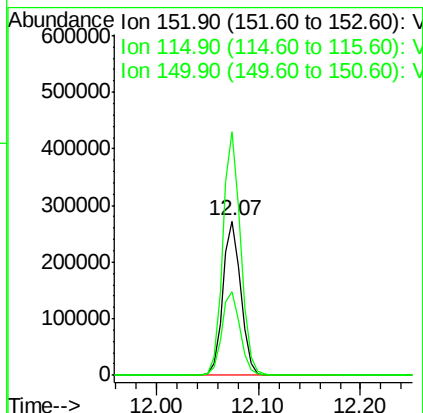
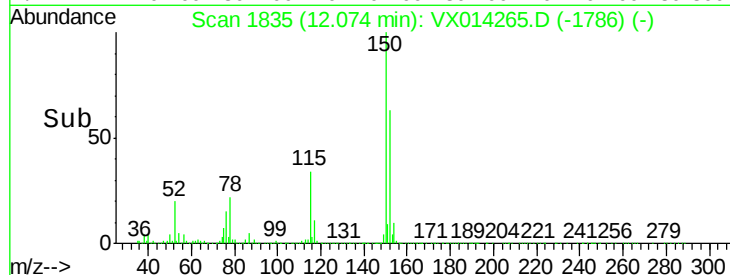
150 155.9 0.0 345.4



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: 22.651 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014265.D

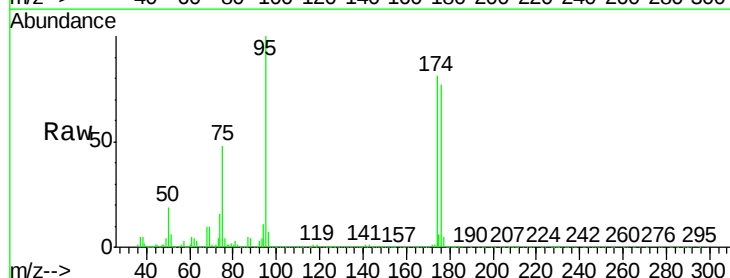
Acq: 26 Dec 2019 13:38

Tgt Ion: 75 Resp: 163674

Ion Ratio Lower Upper

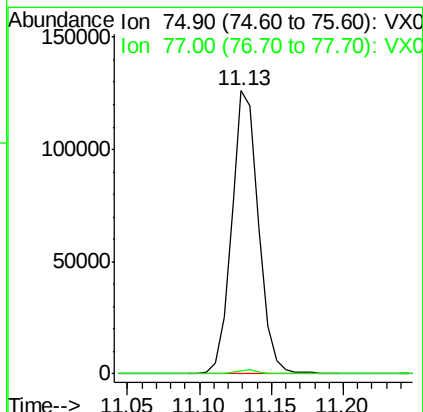
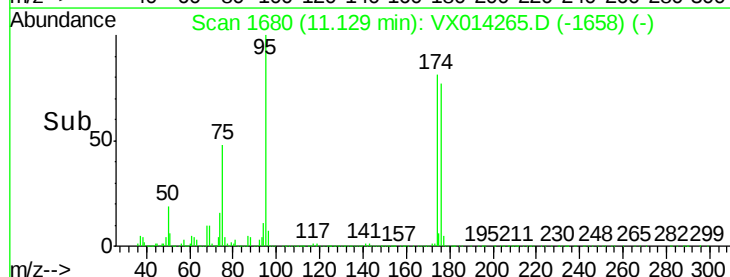
75 100

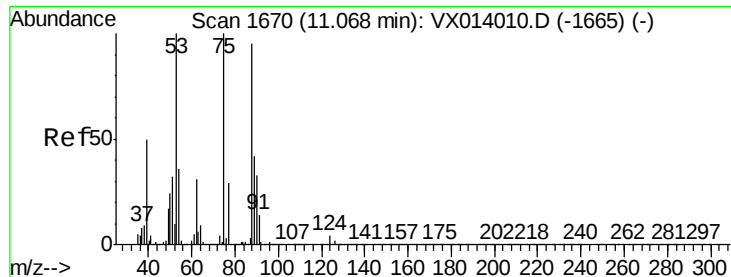
77 1.6 19.3 57.8#



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: 63.933 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014265.D

Acq: 26 Dec 2019 13:38

Instrument :

MSVOA_X

ClientSampleId :

1002-TB122019

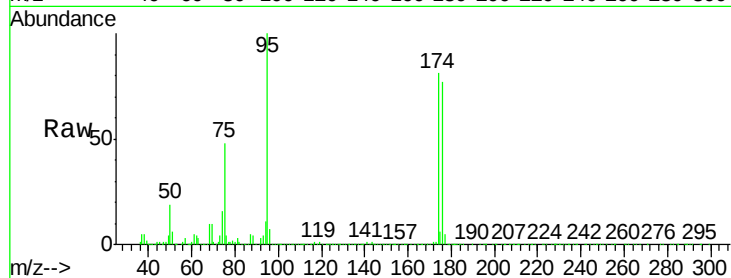
Tgt Ion: 75 Resp: 163674

Ion Ratio Lower Upper

75 100

53 0.5 76.7 115.1#

89 0.3 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

