

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020320\
 Data File : VX014787.D
 Acq On : 03 Feb 2020 10:35
 Operator : JC/SP
 Sample : VX0203WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0203WBL01

Quant Time: Feb 03 11:25:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 22 12:35:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	430323	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	685602	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	622861	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	277993	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	257247	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
35) Dibromofluoromethane	5.48	113	215977	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
50) Toluene-d8	8.71	98	809049	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
62) 4-Bromofluorobenzene	11.13	95	272545	46.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.00%	

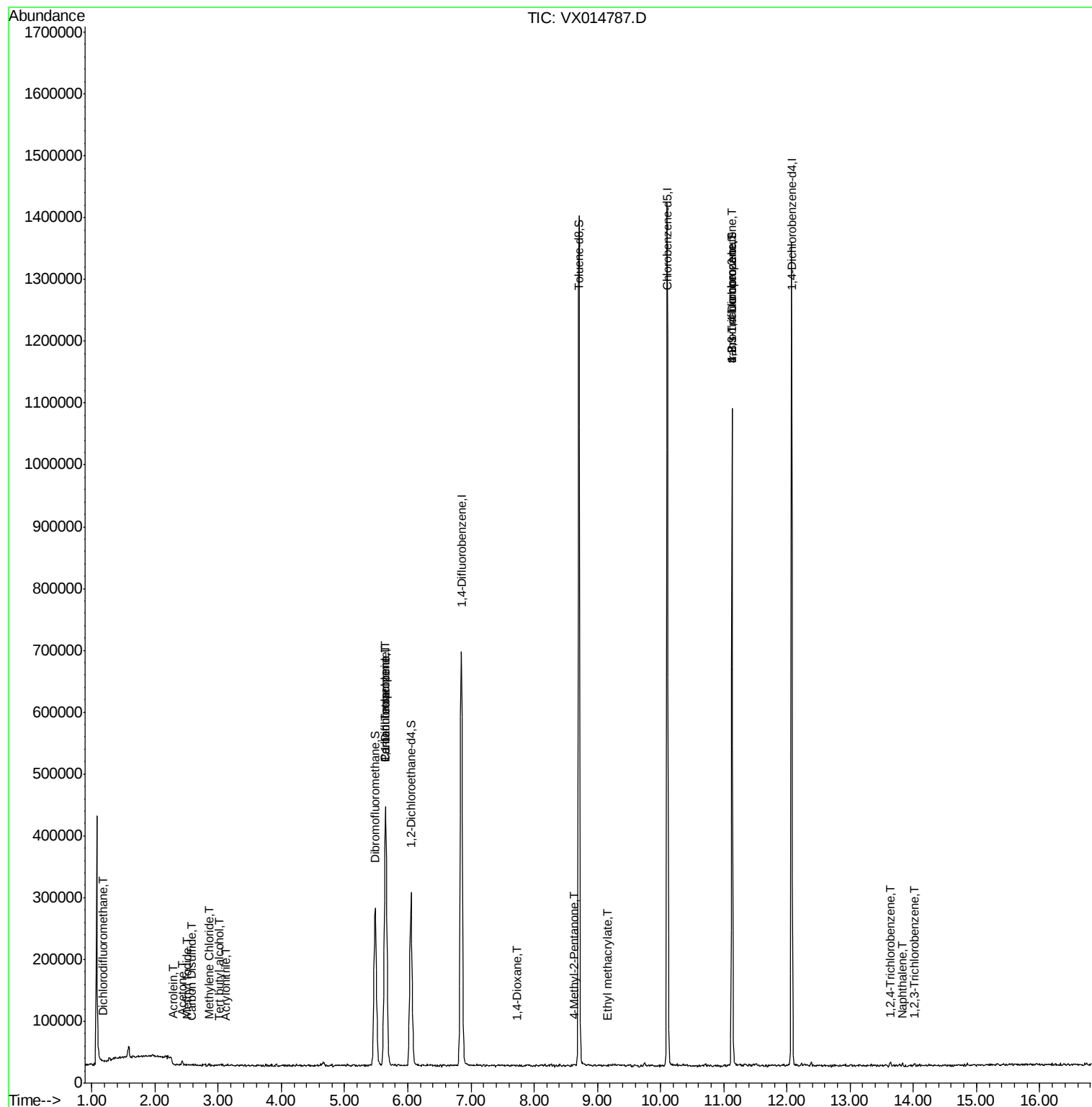
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	495	0.62	ug/l	# 60
6) Chloroethane	1.71	64	2564	Below	Cal	# 59
10) Methyl Iodide	2.51	142	1370	0.24	ug/l	# 78
11) Tert butyl alcohol	3.01	59	1978	1.75	ug/l	# 92
13) Acrolein	2.28	56	1238	1.39	ug/l	# 34
15) Acrylonitrile	3.12	53	1428	0.55	ug/l	# 36
16) Acetone	2.43	43	6666	2.57	ug/l	100
17) Carbon Disulfide	2.57	76	2481	0.21	ug/l	95
20) Methylene Chloride	2.84	84	1300	0.26	ug/l	# 89
36) 1,1-Dichloropropene	5.65	75	29032	4.56	ug/l	# 53
38) Carbon Tetrachloride	5.64	117	37481	6.16	ug/l	# 15
41) Methacrylonitrile	4.99	41	240	Below	Cal	# 1
49) 1,4-Dioxane	7.72	88	127	1.05	ug/l	# 78
51) 4-Methyl-2-Pentanone	8.64	43	2583	0.34	ug/l	97
56) Ethyl methacrylate	9.17	69	299	1.82	ug/l	# 23
76) 1,2,3-Trichloropropane	11.13	75	135666	20.98	ug/l	# 40
81) trans-1,4-Dichloro-2-buten	11.13	75	135666	59.69	ug/l	# 10
93) 1,2,4-Trichlorobenzene	13.65	180	1220	0.20	ug/l	# 83
95) Naphthalene	13.83	128	2658	1.07	ug/l	# 58
96) 1,2,3-Trichlorobenzene	14.02	180	1282	0.21	ug/l	98

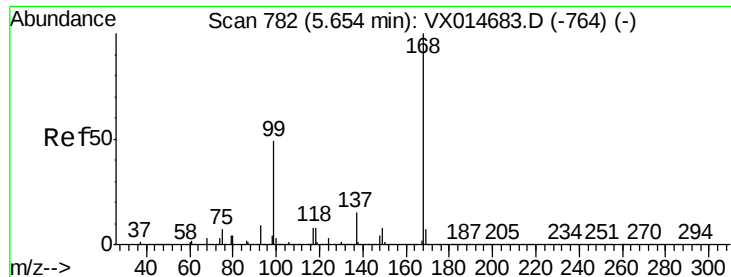
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX020320\
Data File : VX014787.D
Acq On : 03 Feb 2020 10:35
Operator : JC/SP
Sample : VX0203WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0203WBL01

Quant Time: Feb 03 11:25:44 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 22 12:35:15 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX014787.D

Acq: 03 Feb 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

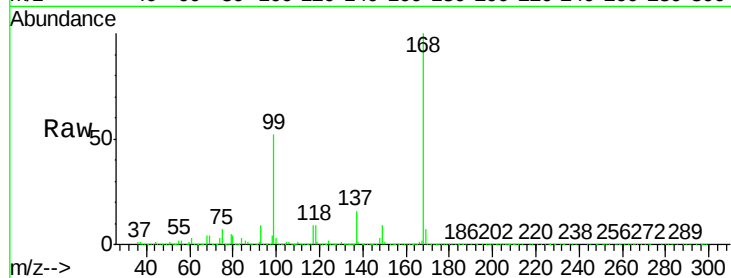
VX0203WBL01

Tgt Ion:168 Resp: 430323

Ion Ratio Lower Upper

168 100

99 52.0 39.8 59.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

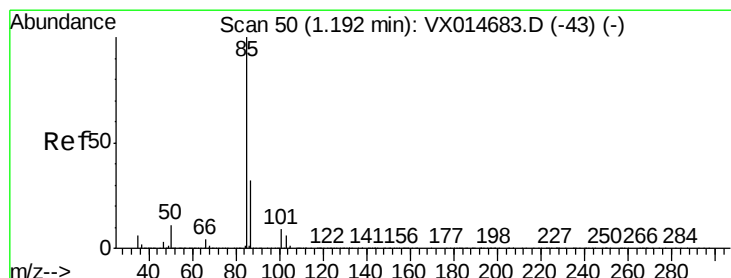
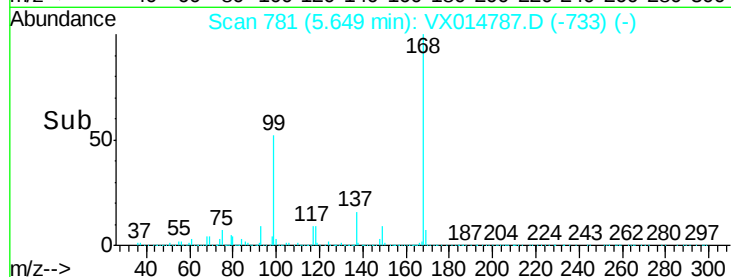
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.62 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX014787.D

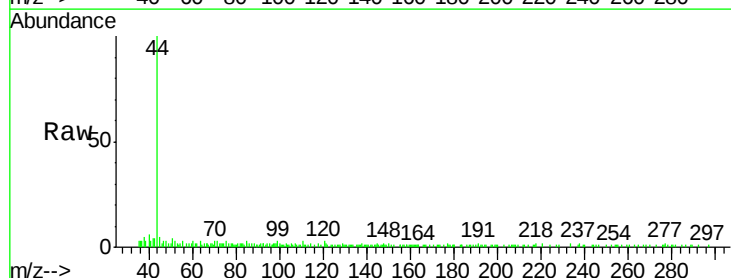
Acq: 03 Feb 2020 10:35

Tgt Ion: 85 Resp: 495

Ion Ratio Lower Upper

85 100

87 9.6 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

400

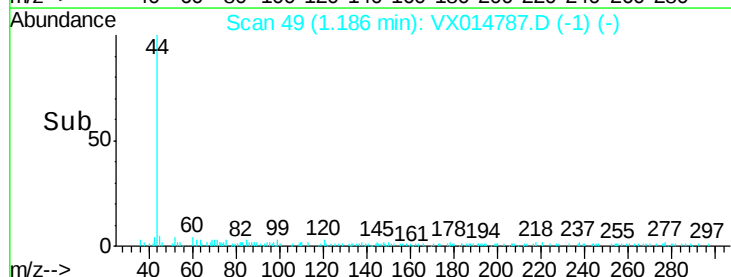
300

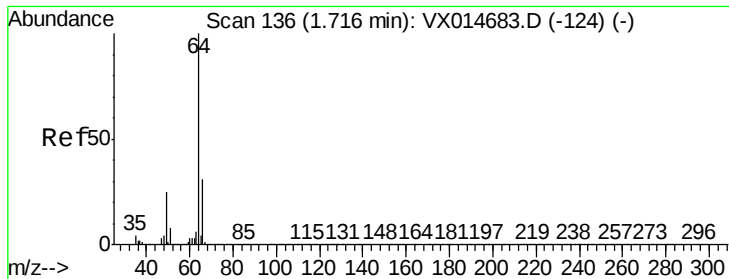
200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 135

Delta R.T. -0.01 min

Lab File: VX014787.D

Acq: 03 Feb 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

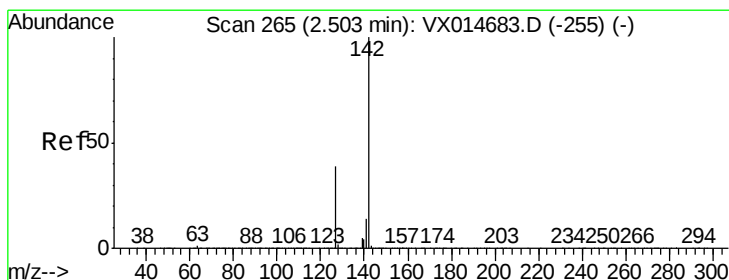
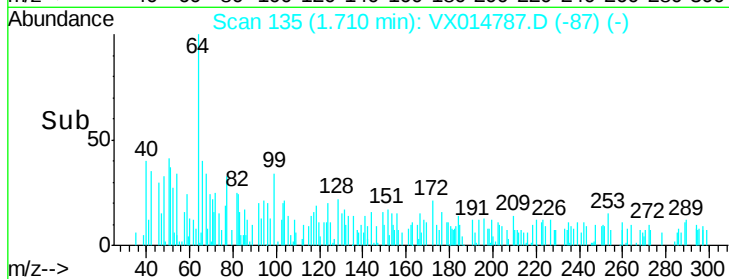
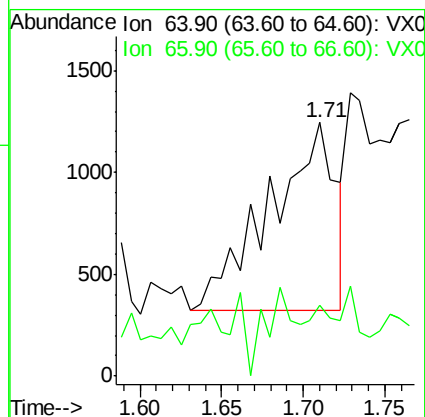
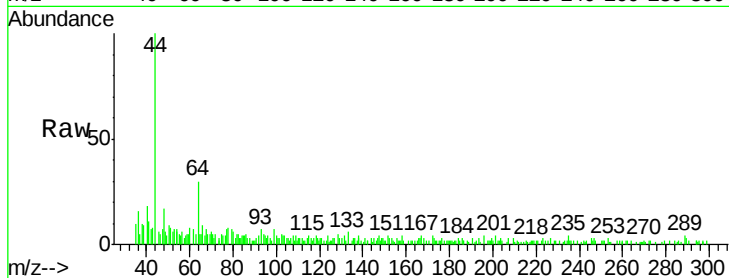
VX0203WBL01

Tgt Ion: 64 Resp: 2564

Ion Ratio Lower Upper

64 100

66 8.7 25.2 37.8#



#10

Methyl Iodide

Concen: 0.24 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX014787.D

Acq: 03 Feb 2020 10:35

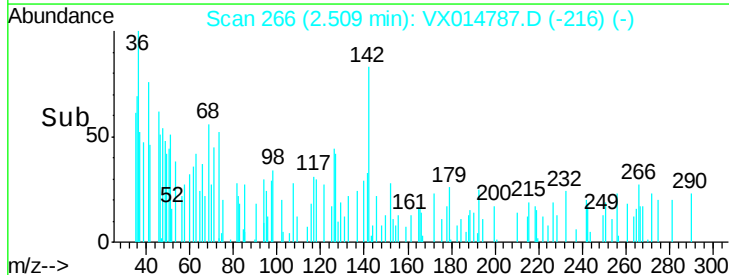
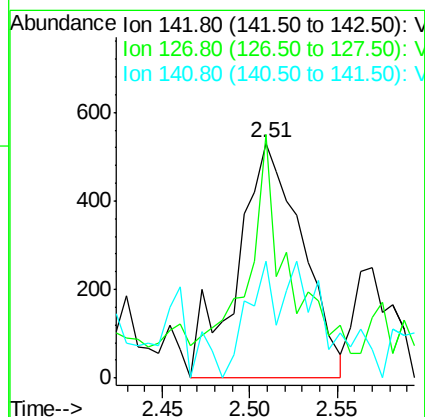
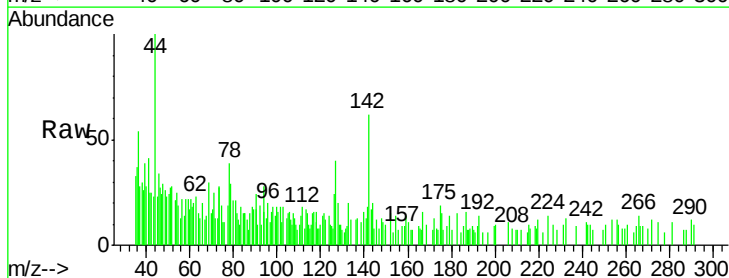
Tgt Ion: 142 Resp: 1370

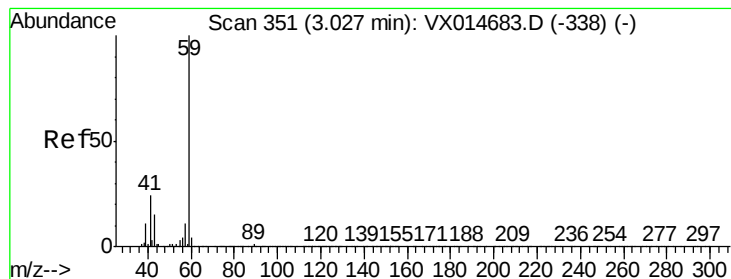
Ion Ratio Lower Upper

142 100

127 53.5 31.1 46.7#

141 20.7 11.3 16.9#





#11

Tert butyl alcohol

Concen: 1.75 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.01 min

Lab File: VX014787.D

Acq: 03 Feb 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

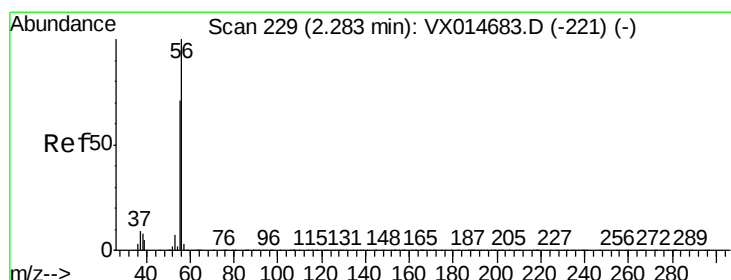
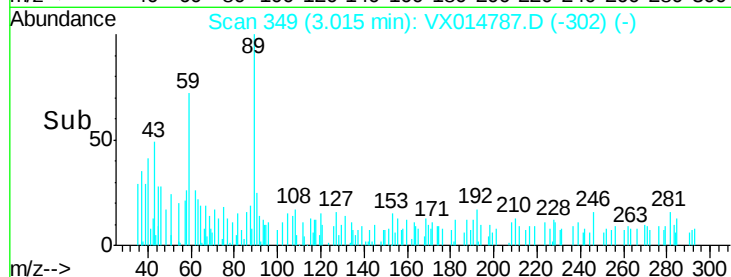
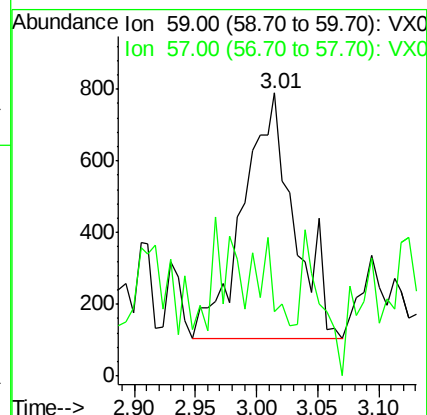
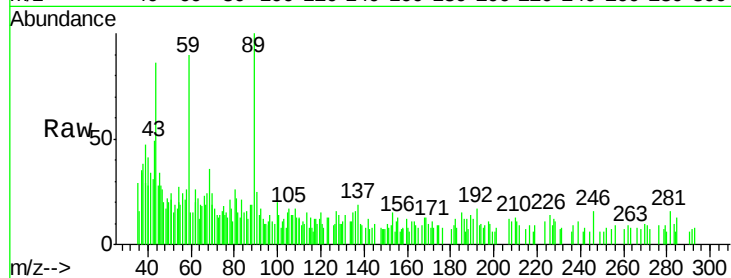
VX0203WBL01

Tgt Ion: 59 Resp: 1978

Ion Ratio Lower Upper

59 100

57 13.5 8.3 12.5#



#13

Acrolein

Concen: 1.39 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014787.D

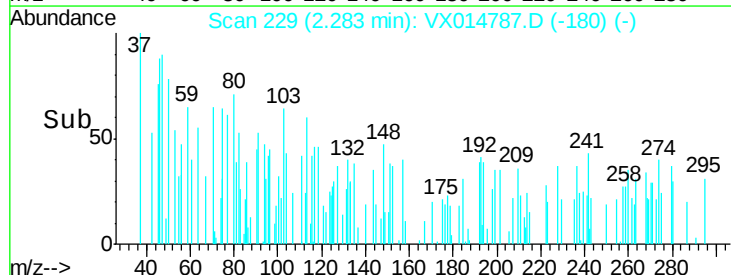
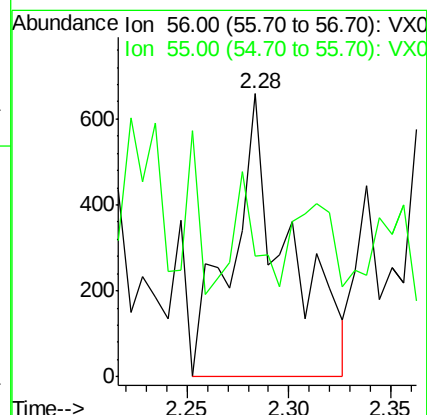
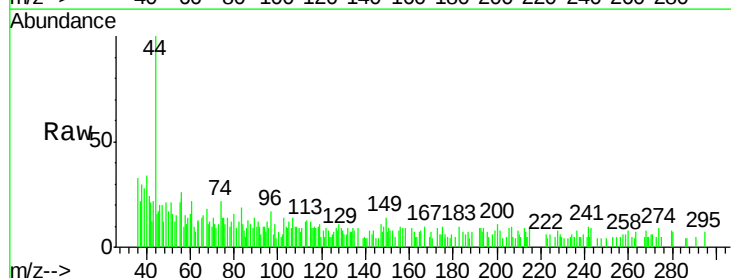
Acq: 03 Feb 2020 10:35

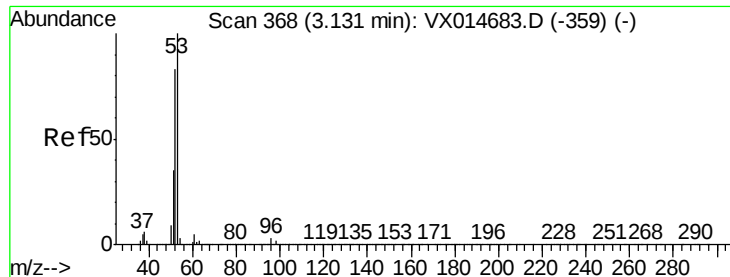
Tgt Ion: 56 Resp: 1238

Ion Ratio Lower Upper

56 100

55 16.1 56.6 84.8#





#15

Acrylonitrile

Concen: 0.55 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX014787.D

Acq: 03 Feb 2020 10:35

Instrument :

MSVOA_X

ClientSampled :

VX0203WBL01

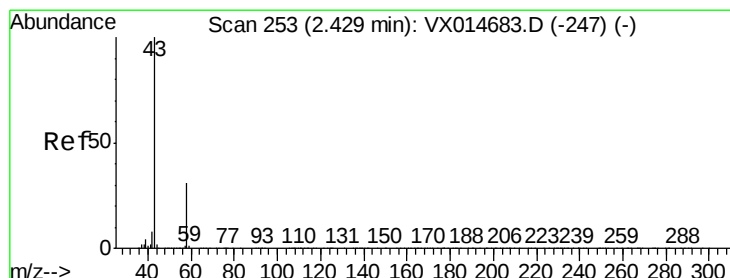
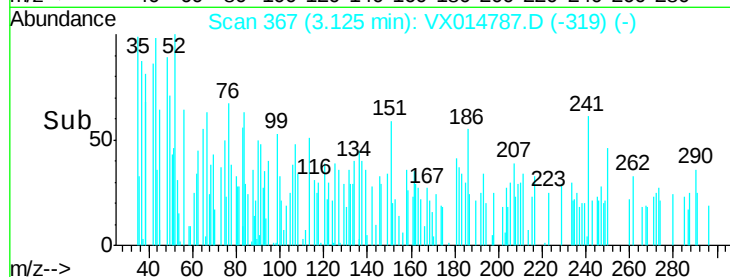
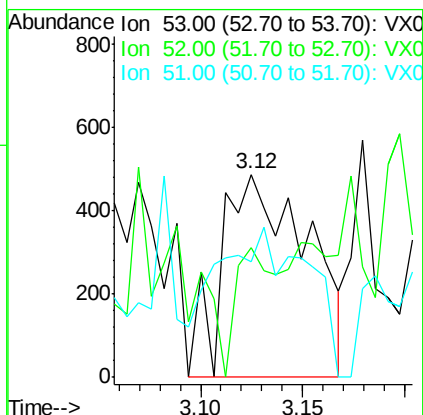
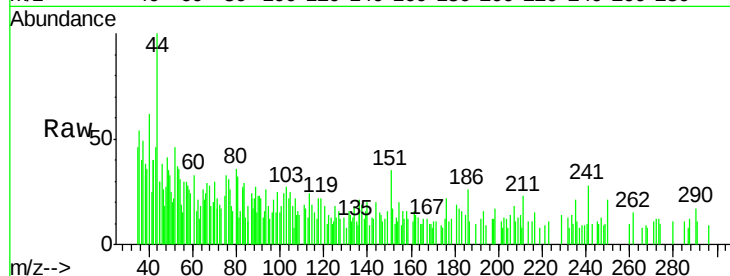
Tgt Ion: 53 Resp: 1428

Ion Ratio Lower Upper

53 100

52 27.8 66.4 99.6#

51 77.5 28.7 43.1#



#16

Acetone

Concen: 2.57 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014787.D

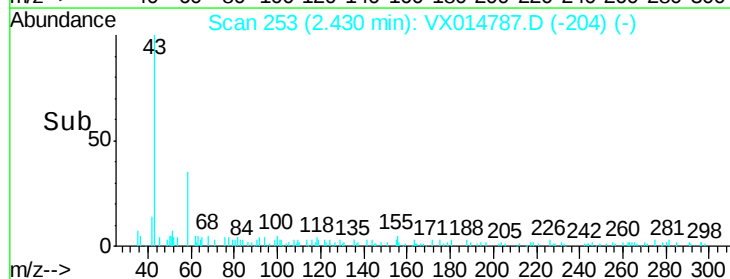
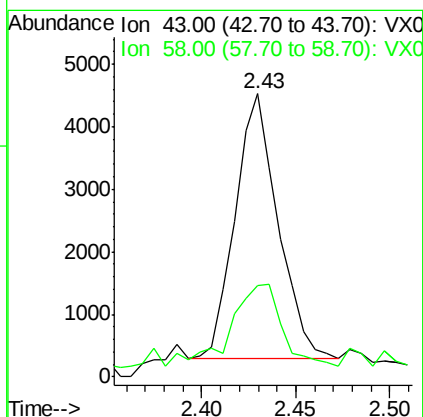
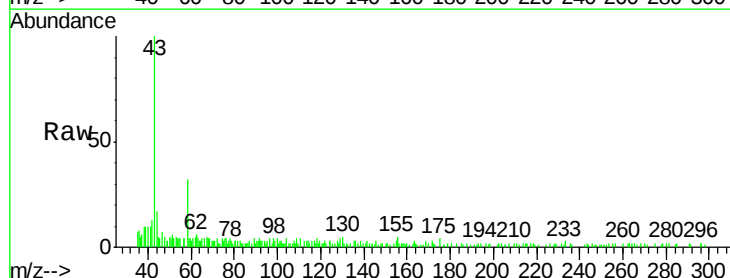
Acq: 03 Feb 2020 10:35

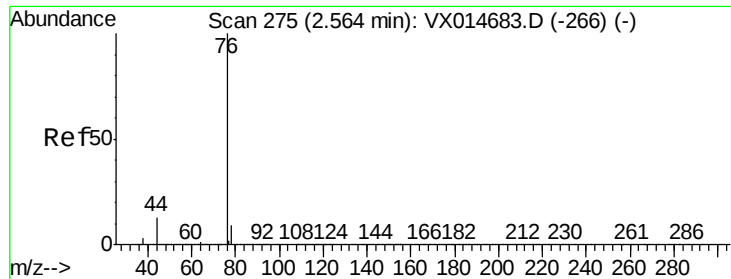
Tgt Ion: 43 Resp: 6666

Ion Ratio Lower Upper

43 100

58 30.8 24.5 36.7





#17

Carbon Disulfide

Concen: 0.21 ug/l

RT: 2.57 min Scan# 276

Delta R.T. 0.01 min

Lab File: VX014787.D

Acq: 03 Feb 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

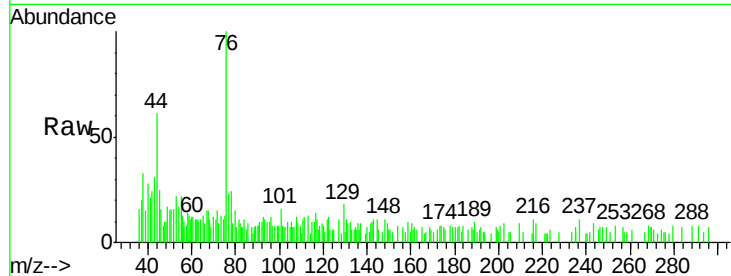
VX0203WBL01

Tgt Ion: 76 Resp: 2481

Ion Ratio Lower Upper

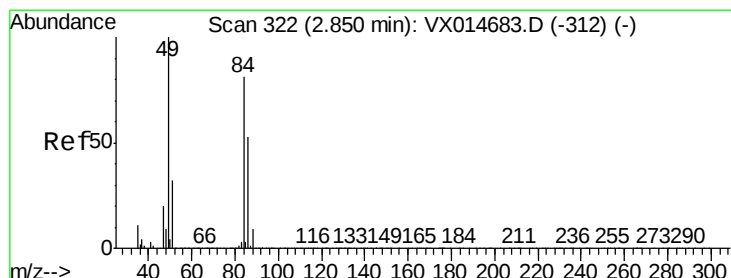
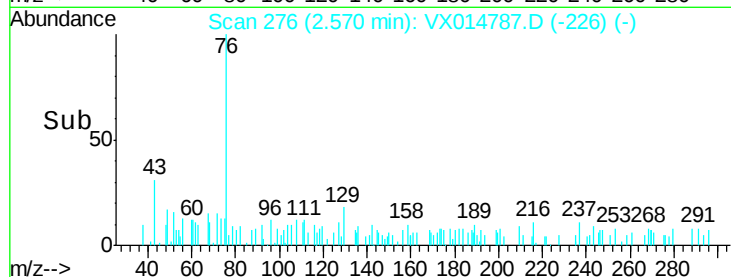
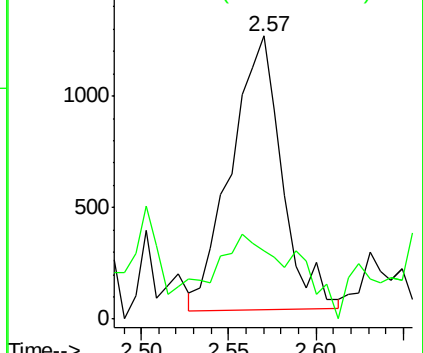
76 100

78 10.7 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.26 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.01 min

Lab File: VX014787.D

Acq: 03 Feb 2020 10:35

Tgt Ion: 84 Resp: 1300

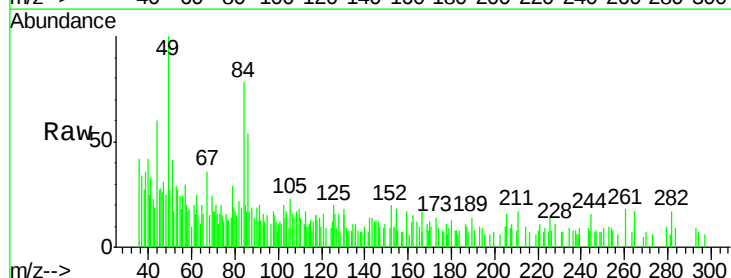
Ion Ratio Lower Upper

84 100

49 121.6 98.2 147.4

51 49.7 31.3 46.9#

86 84.8 51.8 77.6#

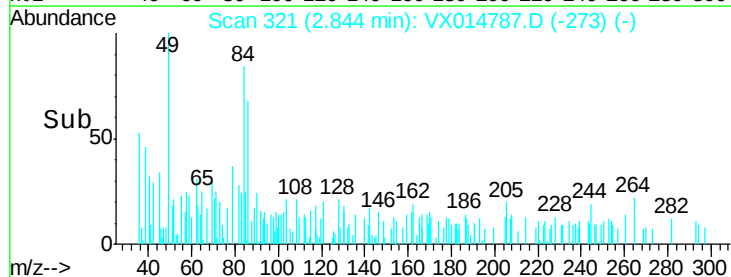
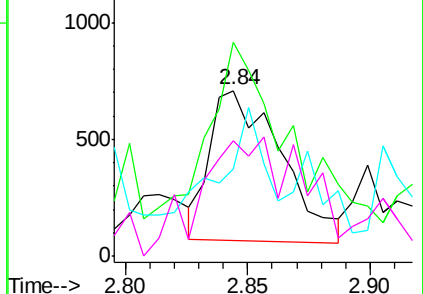


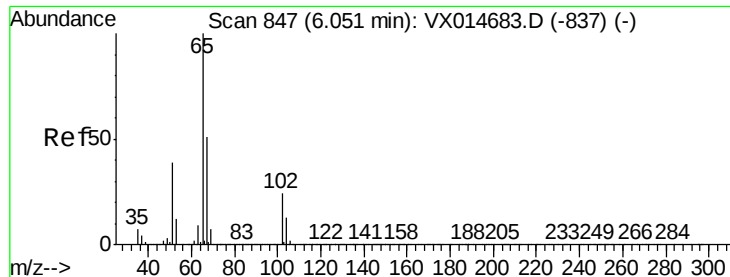
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#33

1,2-Dichloroethane-d4

Concen: 51.19 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX014787.D

Acq: 03 Feb 2020 10:35

Instrument :

MSVOA_X

ClientSampled :

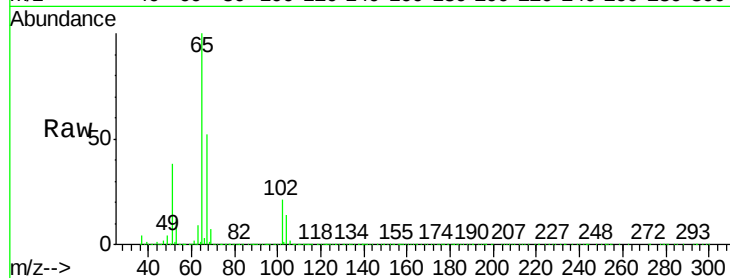
VX0203WBL01

Tgt Ion: 65 Resp: 257247

Ion Ratio Lower Upper

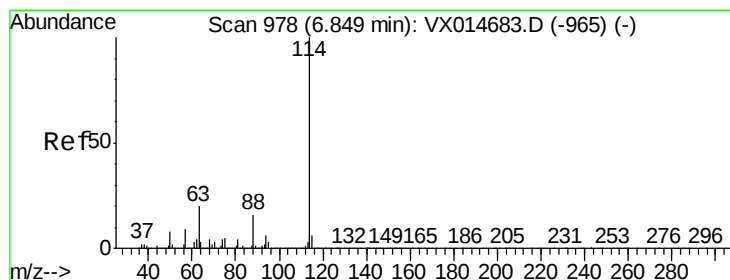
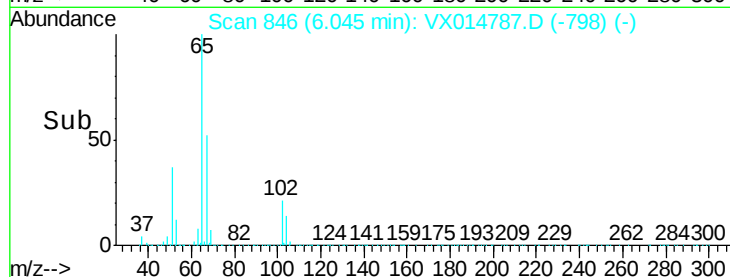
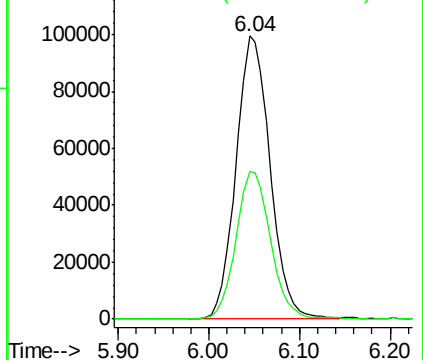
65 100

67 53.1 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014787.D

Acq: 03 Feb 2020 10:35

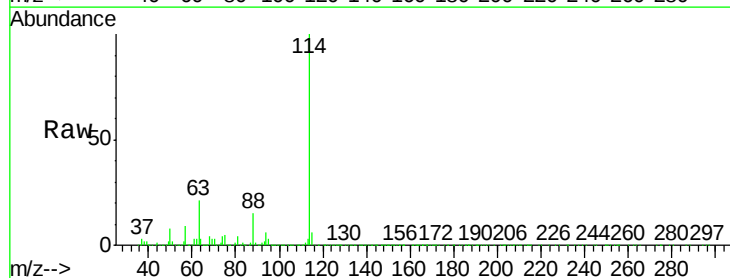
Tgt Ion: 114 Resp: 685602

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.6

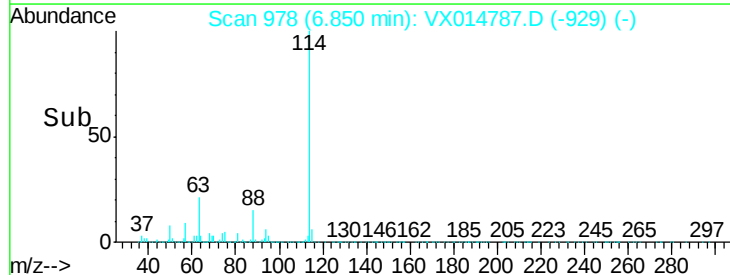
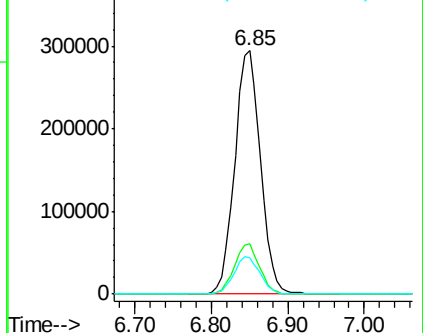
88 15.0 0.0 31.2

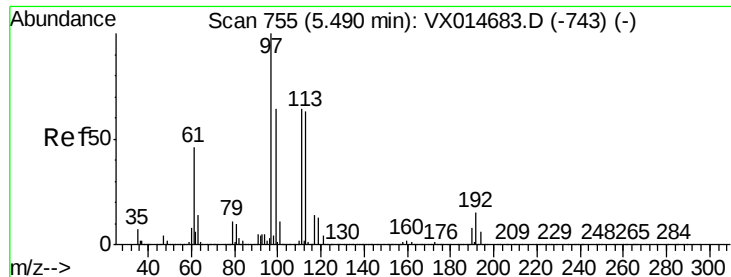


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

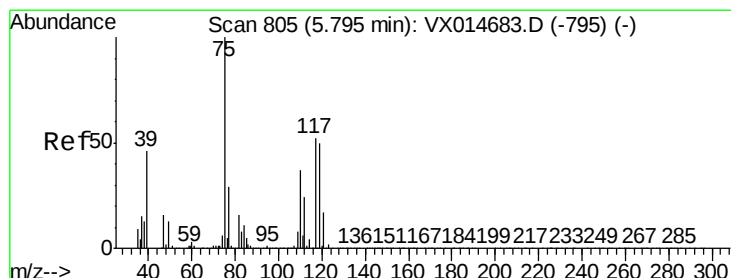
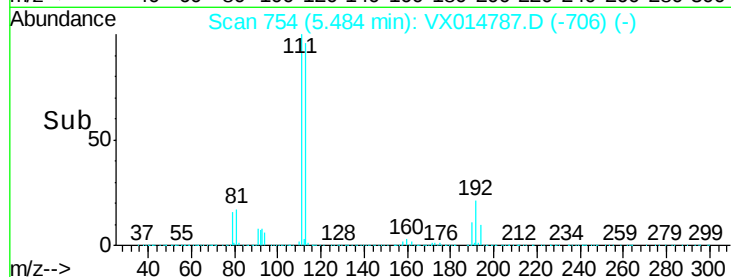
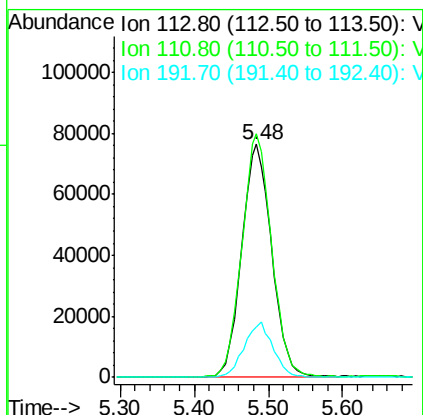
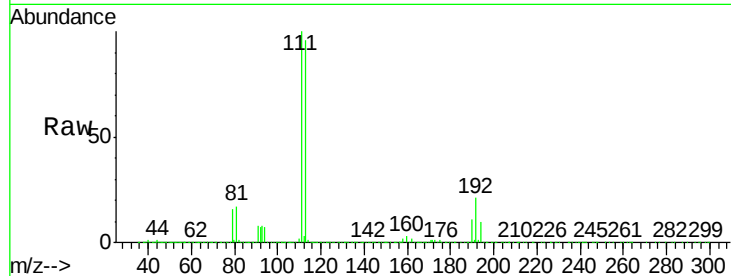




#35
Dibromofluoromethane
Concen: 49.92 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX014787.D
Acq: 03 Feb 2020 10:35

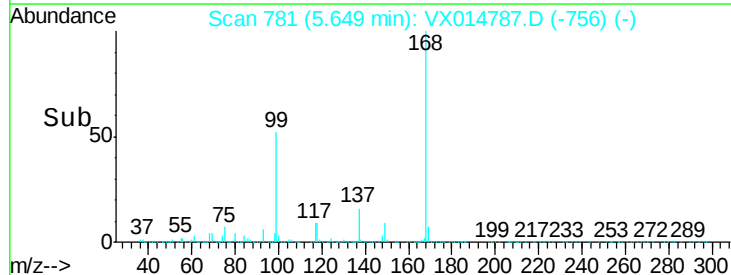
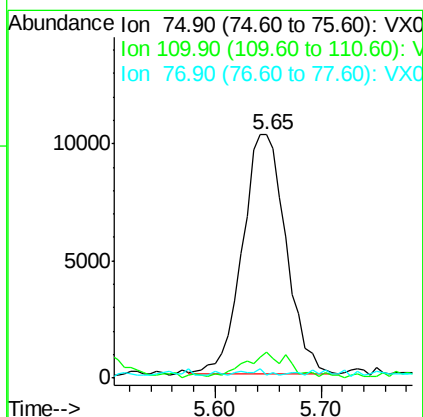
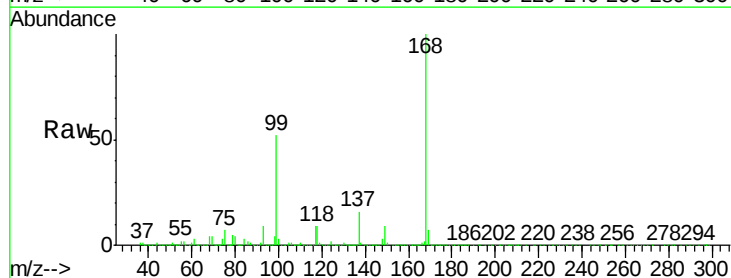
Instrument :
MSVOA_X
ClientSampleId :
VX0203WBL01

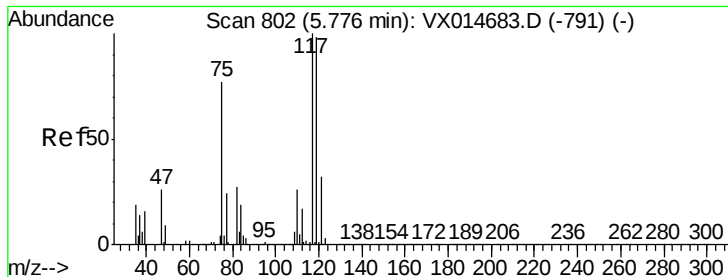
Tgt Ion:113 Resp: 215977
Ion Ratio Lower Upper
113 100
111 103.7 80.7 121.1
192 22.4 18.5 27.7



#36
1,1-Dichloropropene
Concen: 4.56 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.15 min
Lab File: VX014787.D
Acq: 03 Feb 2020 10:35

Tgt Ion: 75 Resp: 29032
Ion Ratio Lower Upper
75 100
110 10.9 17.9 53.7#
77 1.1 24.1 36.1#





#38

Carbon Tetrachloride

Concen: 6.16 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX014787.D

Acq: 03 Feb 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

VX0203WBL01

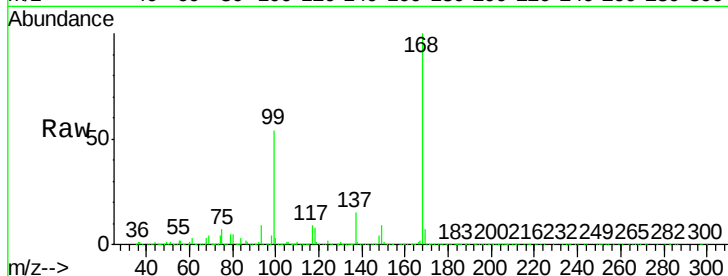
Tgt Ion:117 Resp: 37481

Ion Ratio Lower Upper

117 100

119 5.3 77.9 116.9#

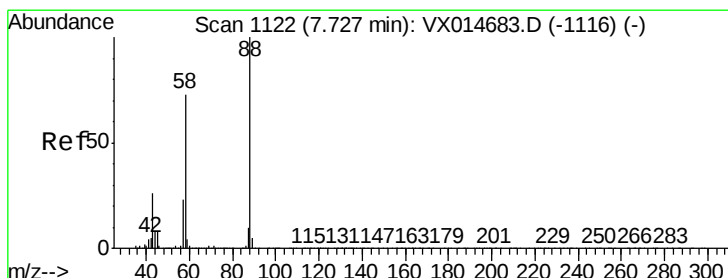
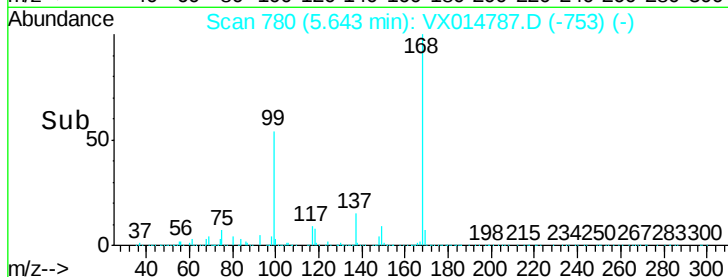
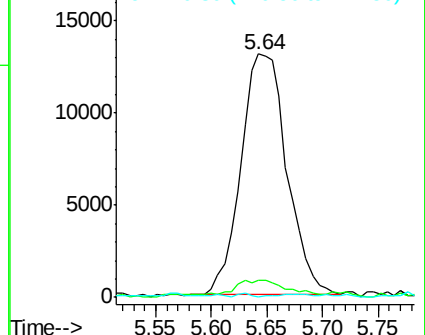
121 0.0 25.4 38.2#



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: 1.05 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VX014787.D

Acq: 03 Feb 2020 10:35

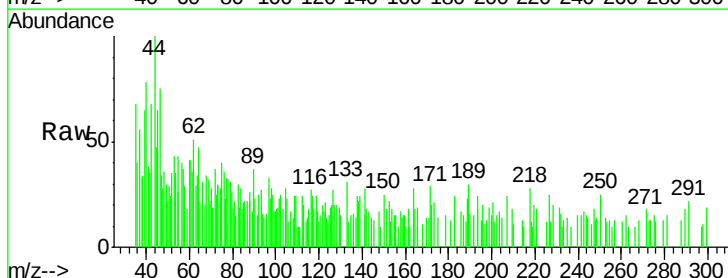
Tgt Ion: 88 Resp: 127

Ion Ratio Lower Upper

88 100

43 0.0 26.2 39.2#

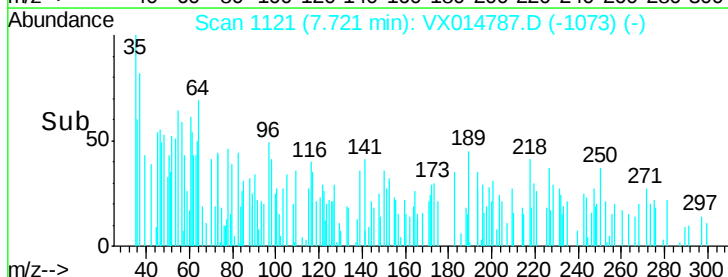
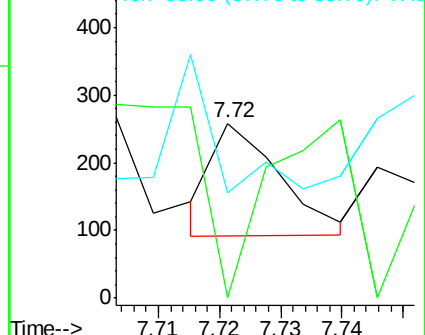
58 66.9 56.6 85.0

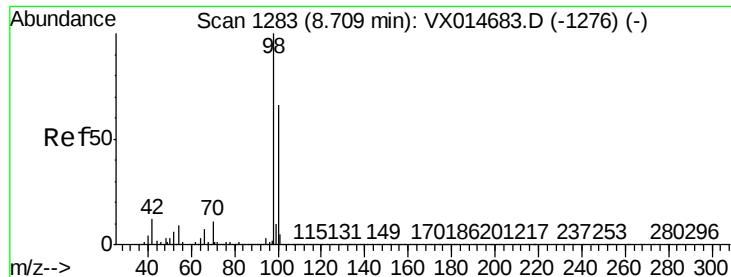


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.65 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014787.D

Acq: 03 Feb 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

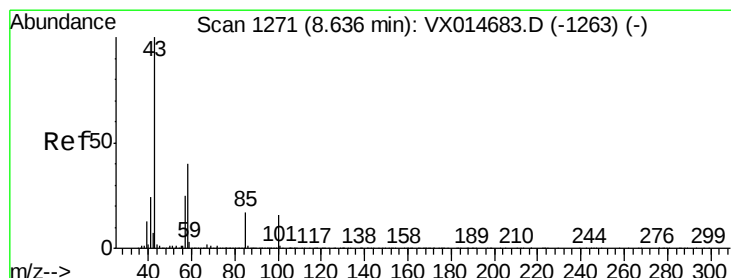
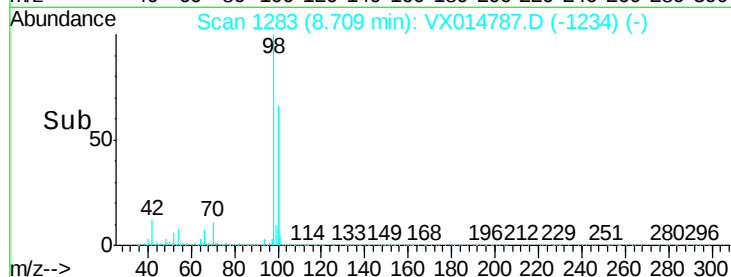
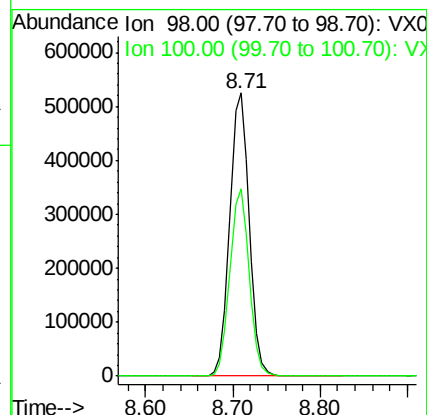
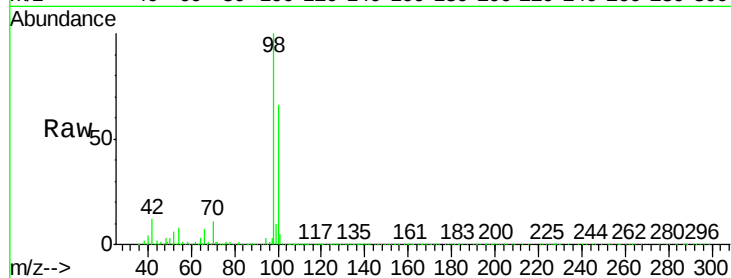
VX0203WBL01

Tgt Ion: 98 Resp: 809049

Ion Ratio Lower Upper

98 100

100 65.6 53.0 79.6



#51

4-Methyl-2-Pentanone

Concen: 0.34 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX014787.D

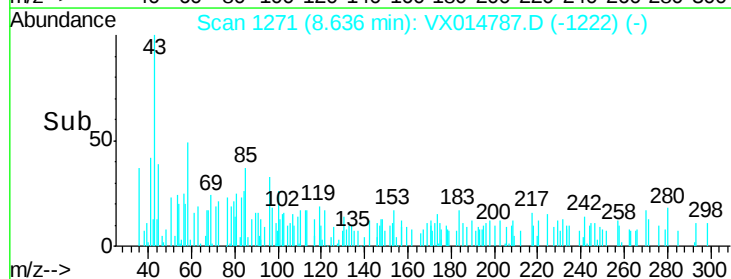
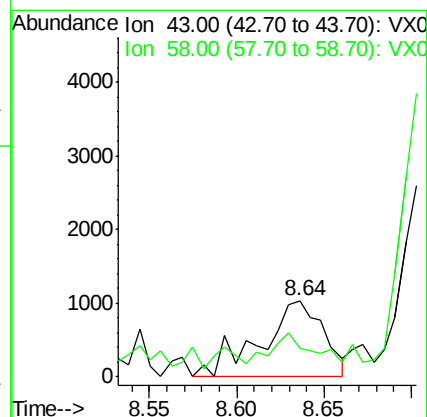
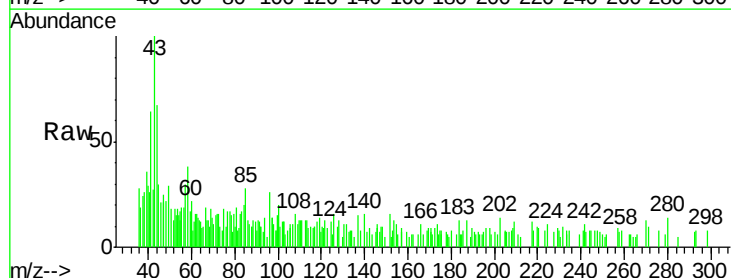
Acq: 03 Feb 2020 10:35

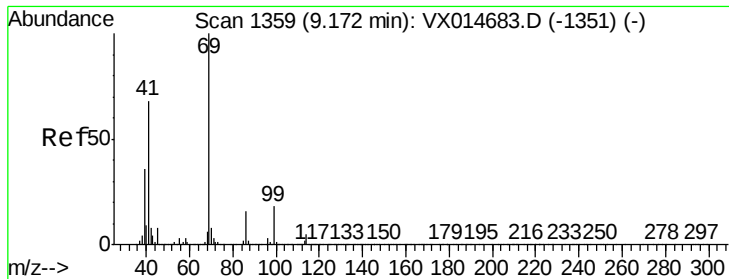
Tgt Ion: 43 Resp: 2583

Ion Ratio Lower Upper

43 100

58 37.4 31.6 47.4

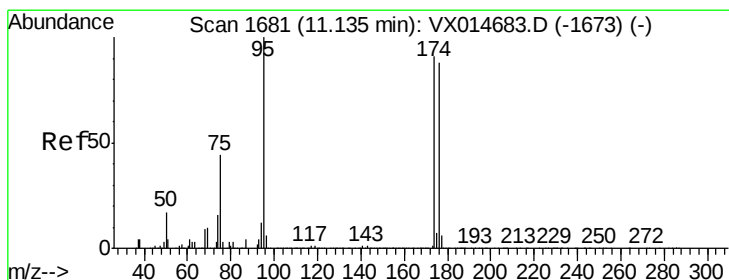
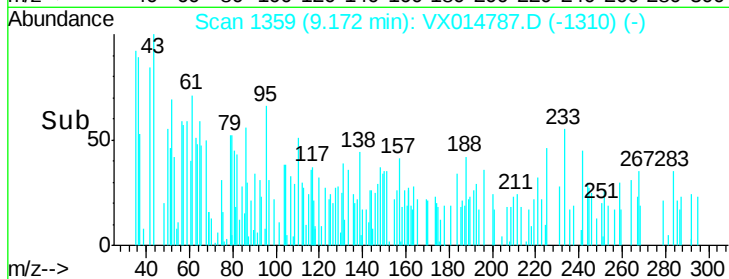
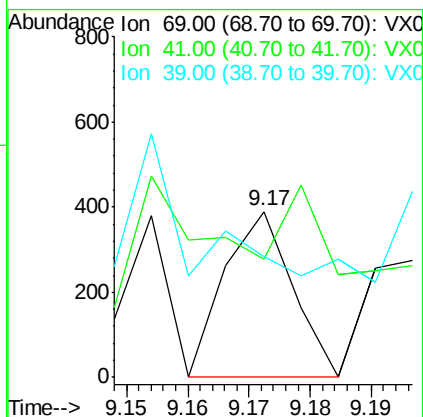
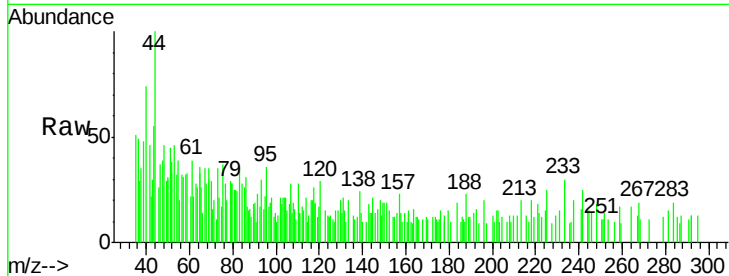




#56
Ethyl methacrylate
Concen: 1.82 ug/l
RT: 9.17 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VX014787.D
Acq: 03 Feb 2020 10:35

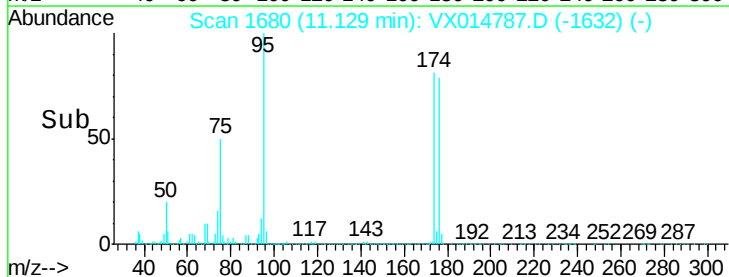
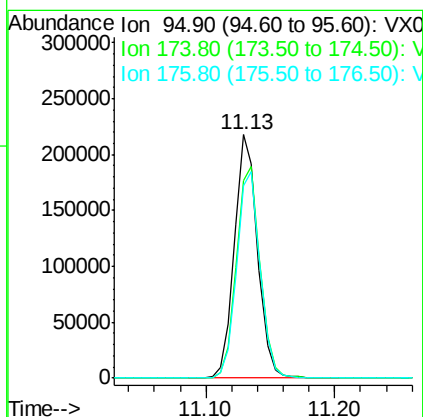
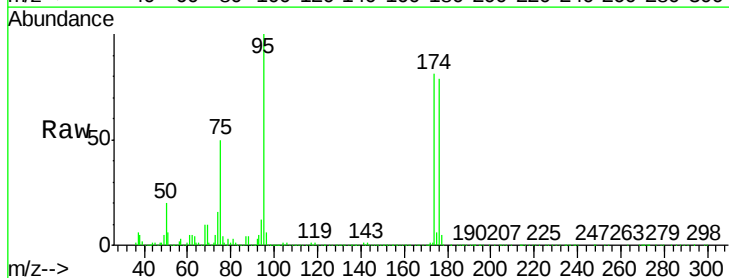
Instrument :
MSVOA_X
ClientSampleId :
VX0203WBL01

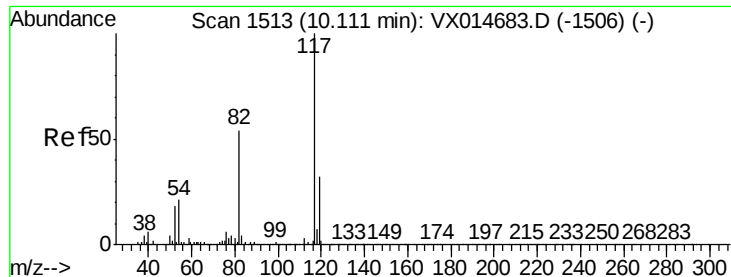
Tgt Ion:	69	Resp:	299
Ion	Ratio	Lower	Upper
69	100		
41	0.0	54.9	82.3#
39	0.0	29.3	43.9#



#62
4-Bromofluorobenzene
Concen: 46.00 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014787.D
Acq: 03 Feb 2020 10:35

Tgt Ion:	95	Resp:	272545
Ion	Ratio	Lower	Upper
95	100		
174	88.9	0.0	176.0
176	85.9	0.0	172.2





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX014787.D

Acq: 03 Feb 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

VX0203WBL01

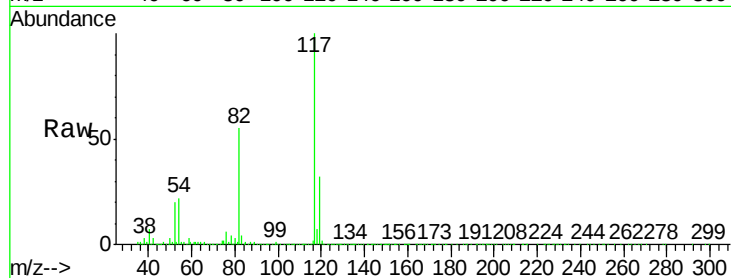
Tgt Ion:117 Resp: 622861

Ion Ratio Lower Upper

117 100

82 55.5 43.2 64.8

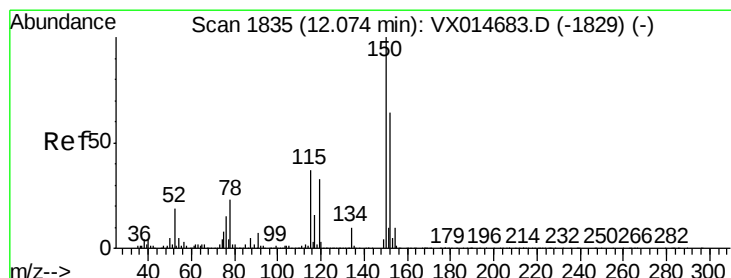
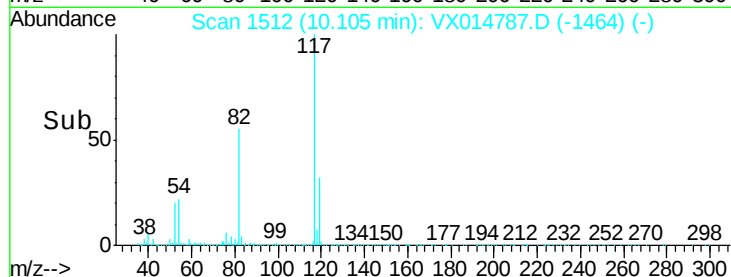
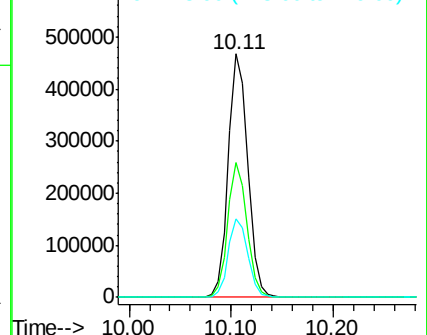
119 32.3 25.8 38.6



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: 50.00 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014787.D

Acq: 03 Feb 2020 10:35

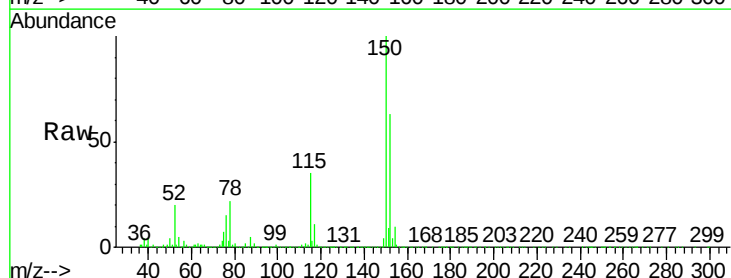
Tgt Ion:152 Resp: 277993

Ion Ratio Lower Upper

152 100

115 55.9 39.4 118.1

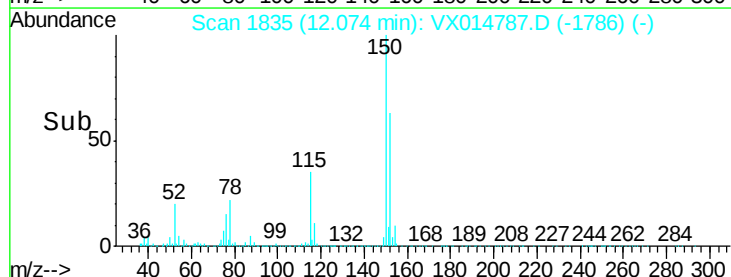
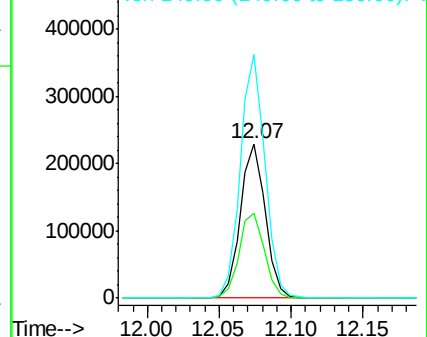
150 155.2 0.0 351.2

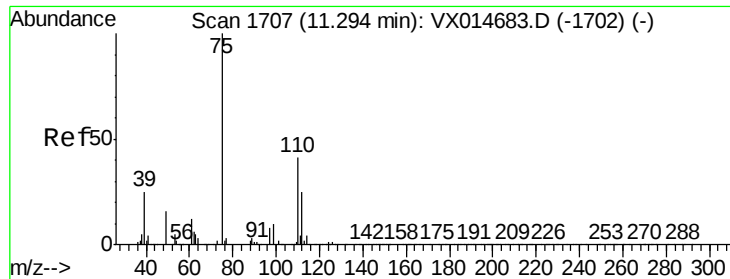


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

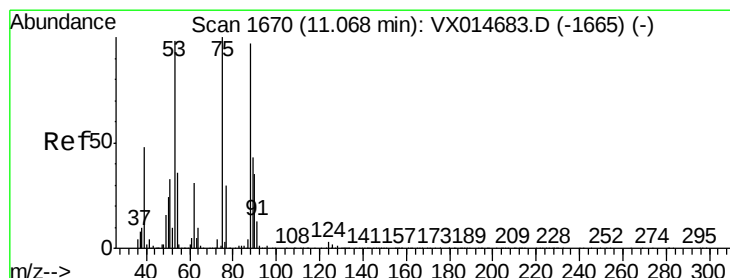
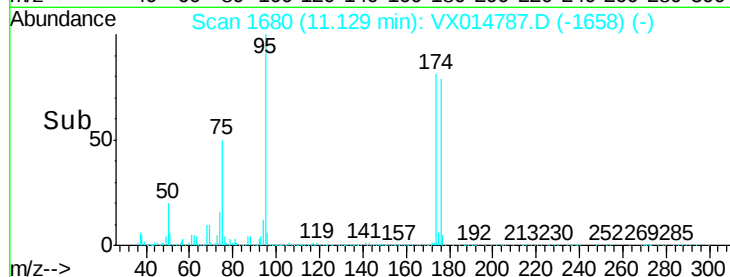
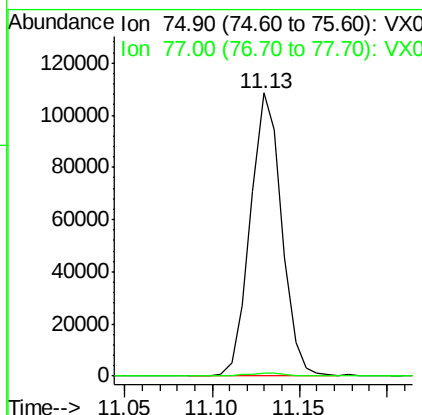
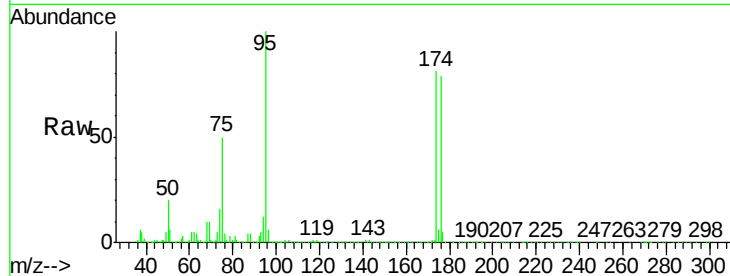




#76
 1,2,3-Trichloropropane
 Concen: 20.98 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX014787.D
 Acq: 03 Feb 2020 10:35

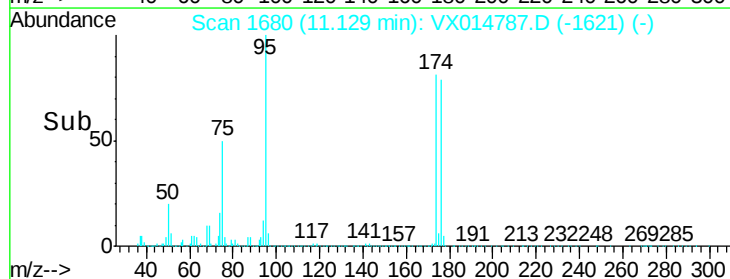
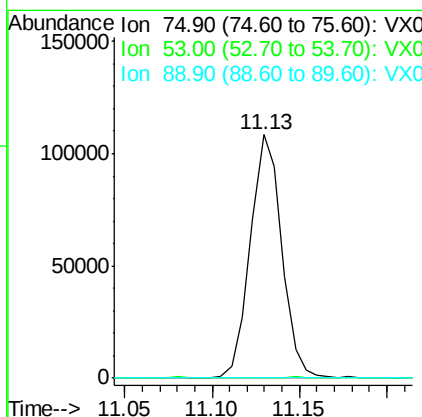
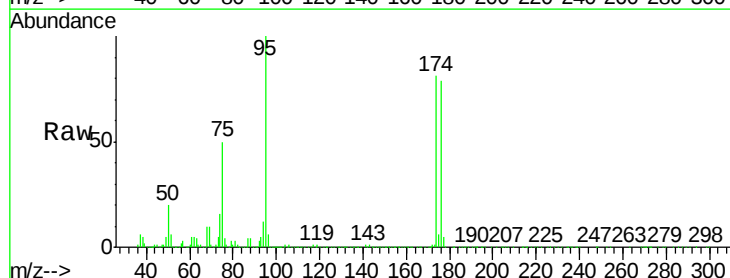
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0203WBL01

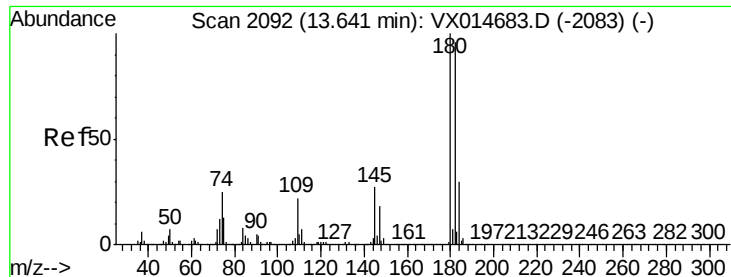
Tgt Ion: 75 Resp: 135666
 Ion Ratio Lower Upper
 75 100
 77 1.3 18.7 56.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.69 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX014787.D
 Acq: 03 Feb 2020 10:35

Tgt Ion: 75 Resp: 135666
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.8 118.2#
 89 0.1 35.4 53.0#





#93

1,2,4-Trichlorobenzene

Concen: 0.20 ug/l

RT: 13.65 min Scan# 2093

Delta R.T. 0.01 min

Lab File: VX014787.D

Acq: 03 Feb 2020 10:35

Instrument :

MSVOA_X

ClientSampleId :

VX0203WBL01

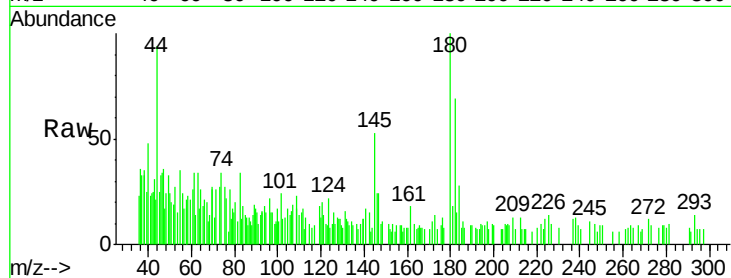
Tgt Ion:180 Resp: 1220

Ion Ratio Lower Upper

180 100

182 101.2 48.5 145.6

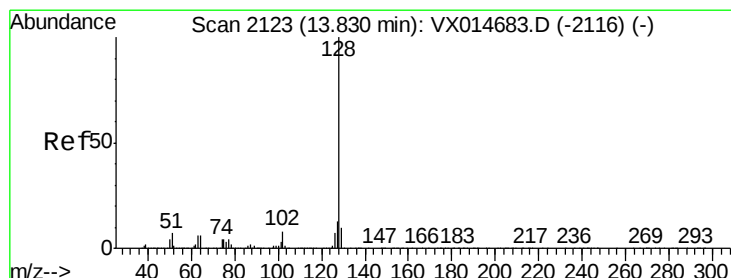
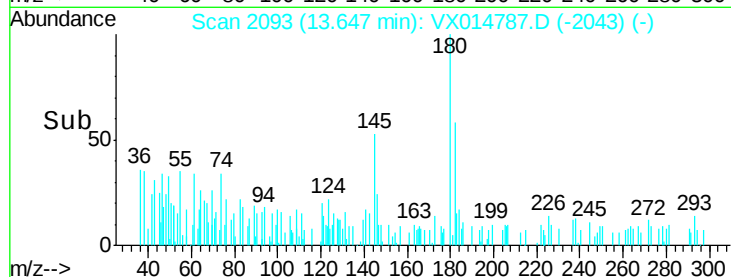
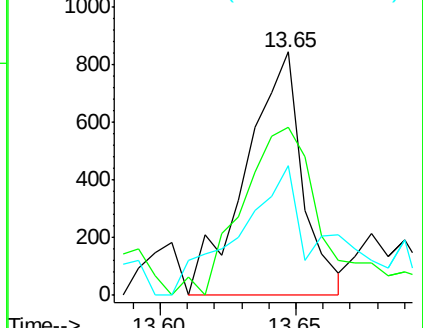
145 61.4 14.0 41.9#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 1.07 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014787.D

Acq: 03 Feb 2020 10:35

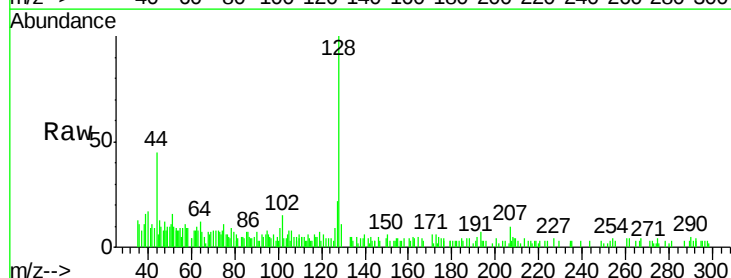
Tgt Ion:128 Resp: 2658

Ion Ratio Lower Upper

128 100

127 33.3 10.3 15.5#

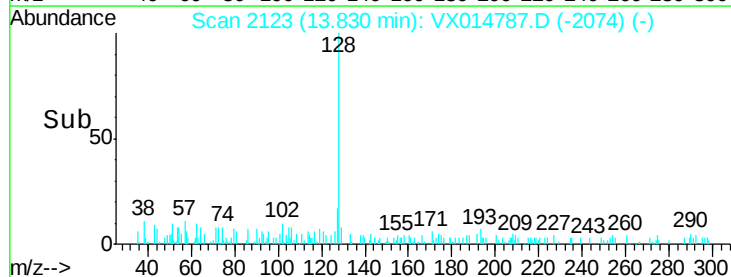
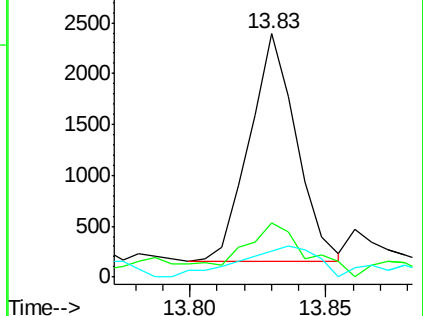
129 22.1 8.6 12.8#

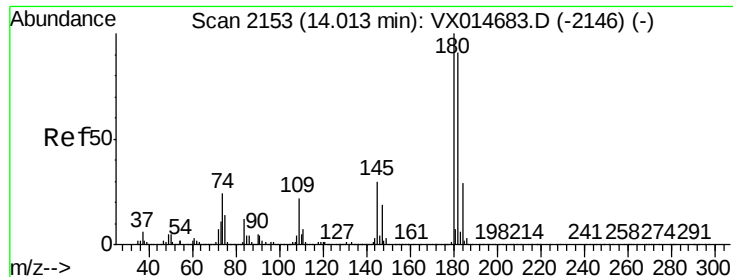


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.21 ug/l
 RT: 14.02 min Scan# 2154
 Delta R.T. 0.01 min
 Lab File: VX014787.D
 Acq: 03 Feb 2020 10:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0203WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	46.6	139.7
145	31.1	14.7	44.1

