

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021020\
 Data File : VX014900.D
 Acq On : 10 Feb 2020 19:54
 Operator : JC/SP
 Sample : L1478-02
 Misc : 2.97g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 330

Quant Time: Feb 11 06:49:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	456498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	707233	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	680805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	382555	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	257702	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	
35) Dibromofluoromethane	5.50	113	203047	46.70	ug/l	0.00
Spiked Amount			Recovery	=	93.40%	
50) Toluene-d8	8.71	98	841927	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
62) 4-Bromofluorobenzene	11.14	95	326808	54.66	ug/l	0.00
Spiked Amount			Recovery	=	109.32%	

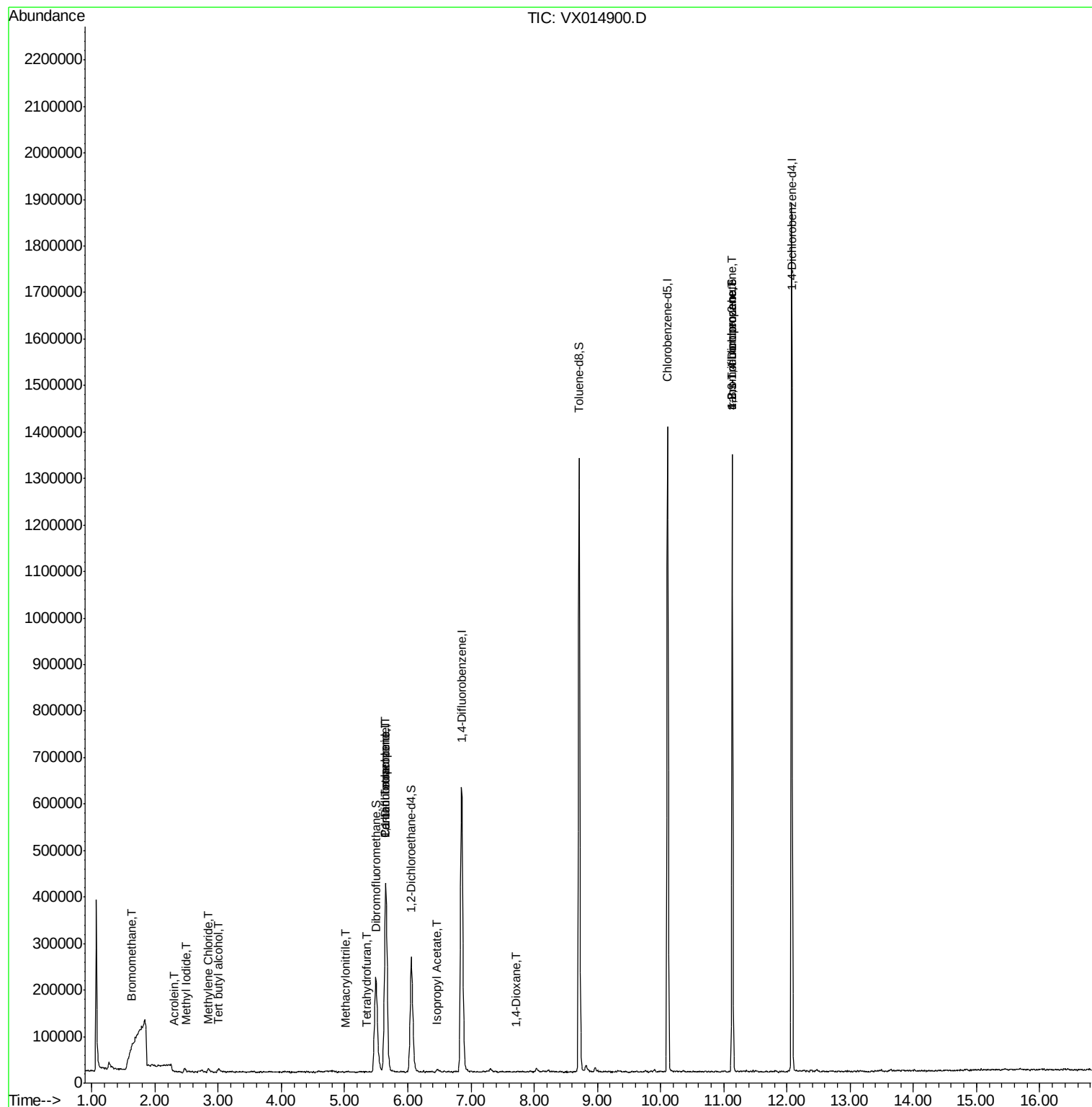
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	1915	0.560	ug/l	86
10) Methyl Iodide	2.48	142	1164	4.591	ug/l #	56
11) Tert butyl alcohol	3.01	59	6624	7.282	ug/l	96
13) Acrolein	2.30	56	340	0.490	ug/l #	1
16) Acetone	2.47	43	13738	Below Cal	#	87
20) Methylene Chloride	2.84	84	4940	0.997	ug/l #	72
29) Tetrahydrofuran	5.35	42	518	0.260	ug/l	93
36) 1,1-Dichloropropene	5.65	75	30076	4.754	ug/l #	47
38) Carbon Tetrachloride	5.65	117	40318	6.540	ug/l #	16
41) Methacrylonitrile	5.01	41	937	0.264	ug/l #	43
43) Isopropyl Acetate	6.47	43	3515	0.323	ug/l #	83
49) 1,4-Dioxane	7.72	88	214	2.137	ug/l #	18
76) 1,2,3-Trichloropropane	11.14	75	161272	23.312	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.14	75	161272	59.673	ug/l #	12

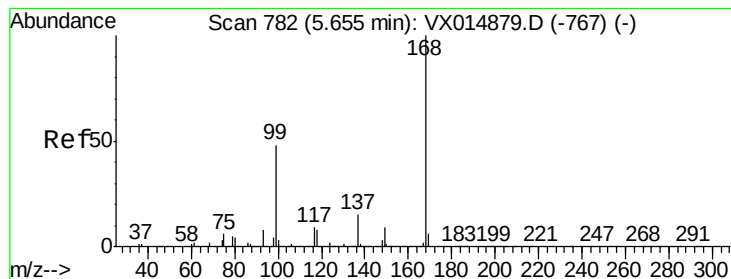
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021020\
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Quant Title : SW846 8260
QLast Update : Mon Feb 10 12:09:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX014900.D

Acq: 10 Feb 2020 19:54

Instrument :

MSVOA_X

ClientSampleId :

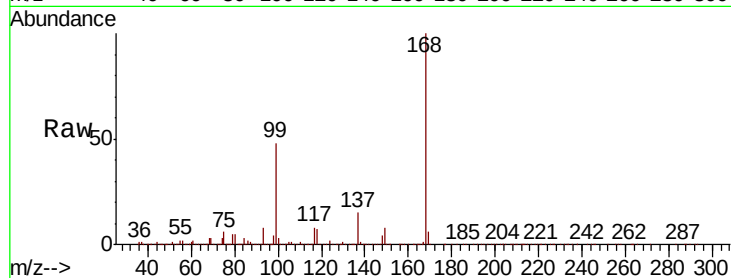
330

Tot Ion:168 Resp: 456498

Ion Ratio Lower Upper

168 100

99 48.3 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

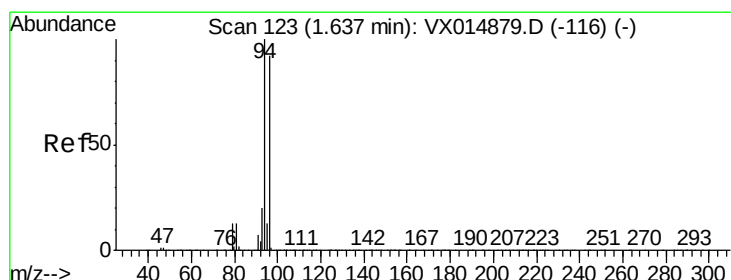
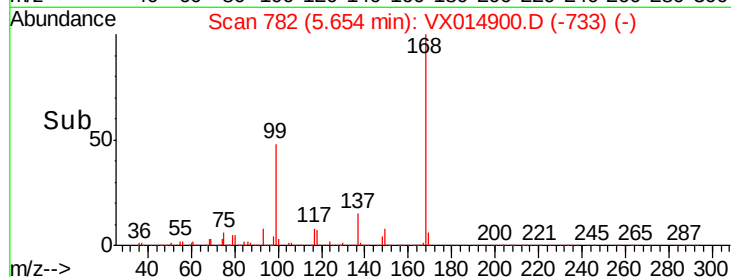
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.560 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.01 min

Lab File: VX014900.D

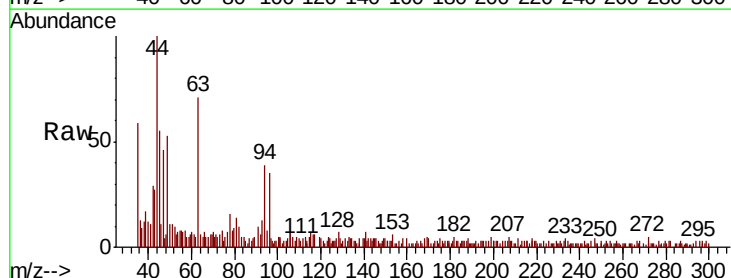
Acq: 10 Feb 2020 19:54

Tgt Ion: 94 Resp: 1915

Ion Ratio Lower Upper

94 100

96 78.7 73.7 110.5



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

2000

1500

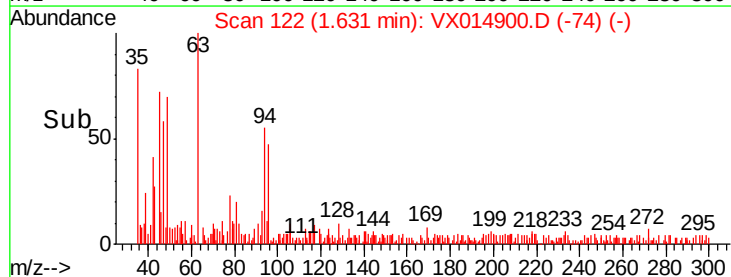
1000

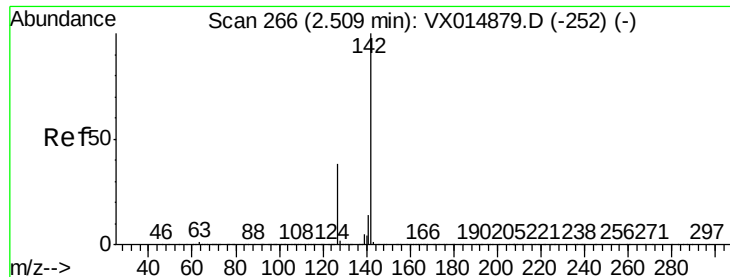
500

0

Time-->

1.60 1.65





#10

Methyl Iodide

Concen: 4.591 ug/l

RT: 2.48 min Scan# 262

Delta R.T. -0.02 min

Lab File: VX014900.D

Acq: 10 Feb 2020 19:54

Instrument :

MSVOA_X

ClientSampleId :

330

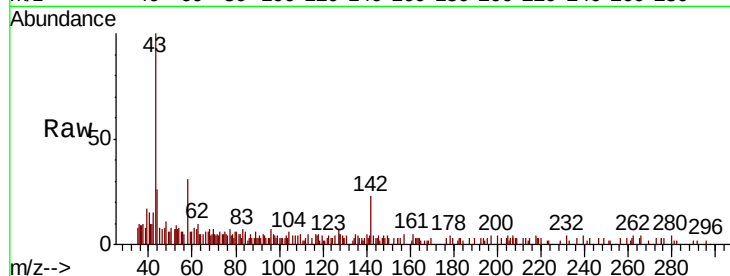
Tot Ion:142 Resp: 1164

Ion Ratio Lower Upper

142 100

127 66.2 31.1 46.7#

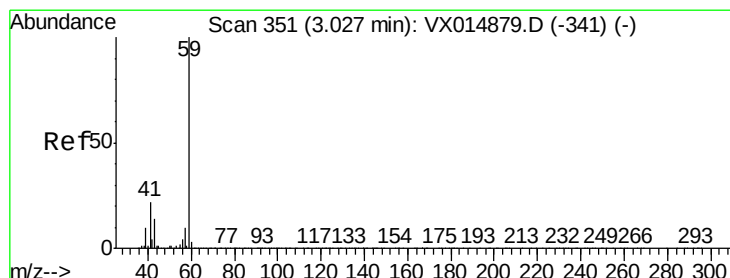
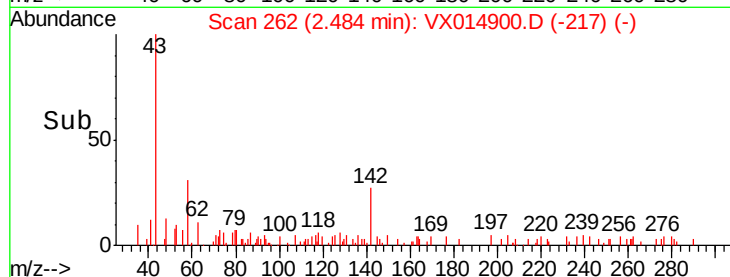
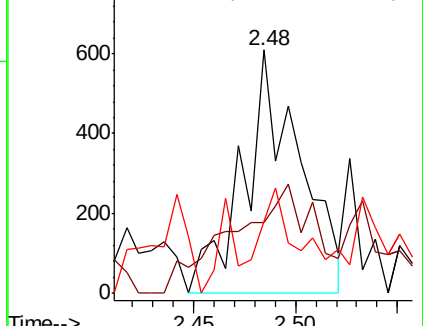
141 31.0 11.3 16.9#



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: 7.282 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.01 min

Lab File: VX014900.D

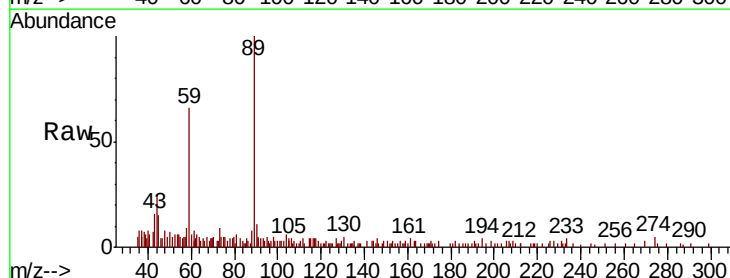
Acq: 10 Feb 2020 19:54

Tgt Ion: 59 Resp: 6624

Ion Ratio Lower Upper

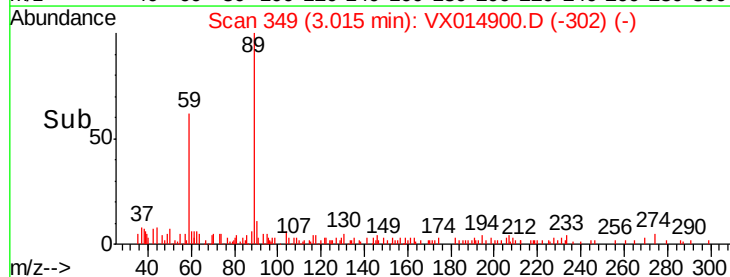
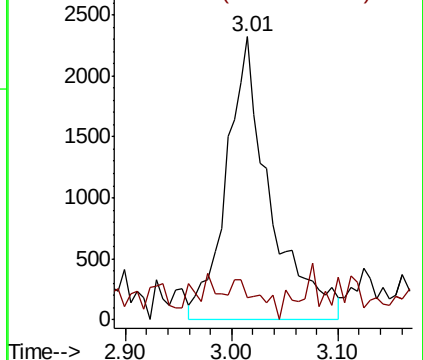
59 100

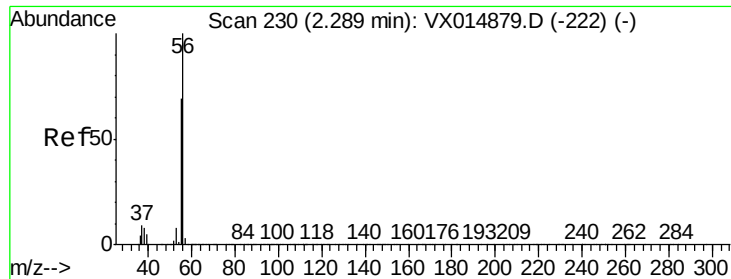
57 8.7 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.490 ug/l

RT: 2.30 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX014900.D

Acq: 10 Feb 2020 19:54

Instrument :

MSVOA_X

ClientSampled :

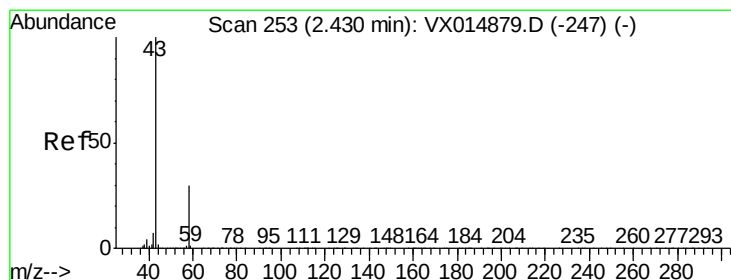
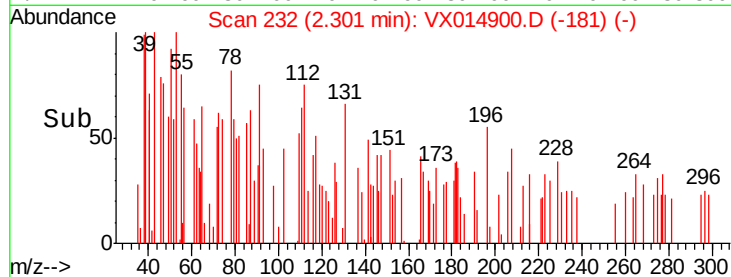
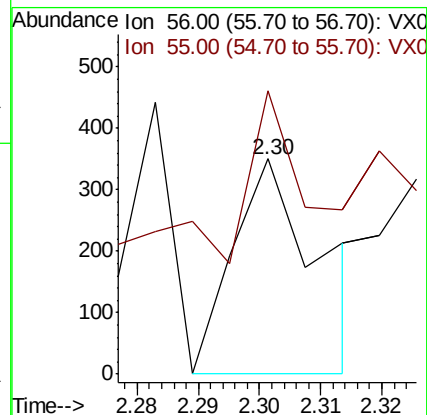
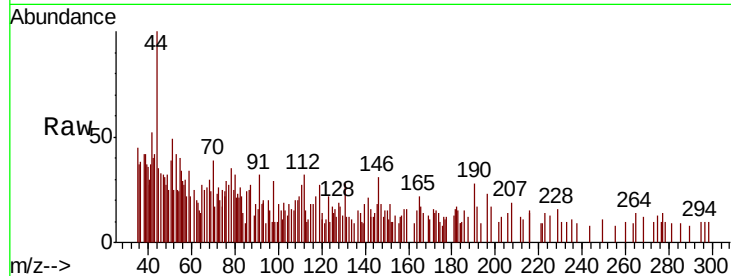
330

Tot Ion: 56 Resp: 340

Ion Ratio Lower Upper

56 100

55 225.0 55.0 82.4#



#16

Acetone

Concen: Below Cal

RT: 2.47 min Scan# 260

Delta R.T. 0.04 min

Lab File: VX014900.D

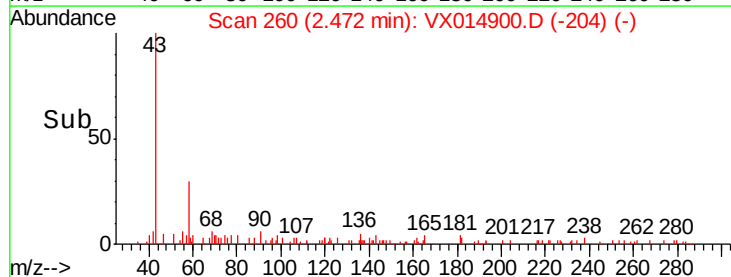
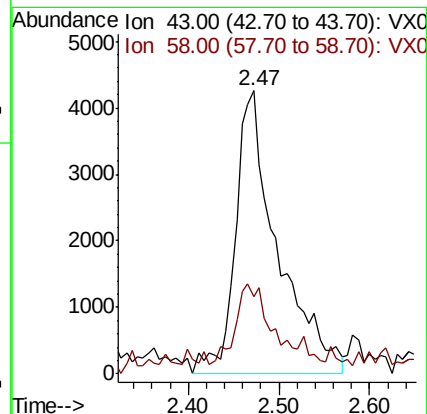
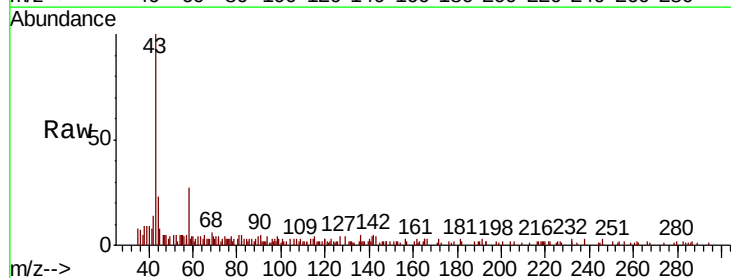
Acq: 10 Feb 2020 19:54

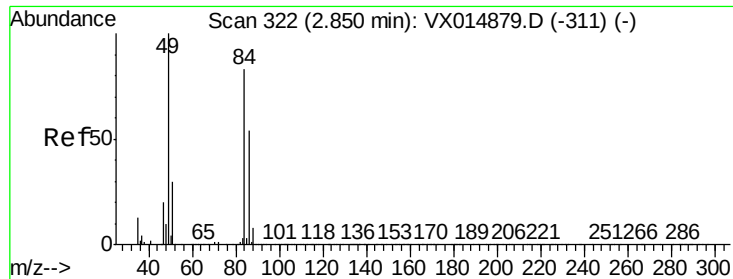
Tgt Ion: 43 Resp: 13738

Ion Ratio Lower Upper

43 100

58 23.2 24.1 36.1#

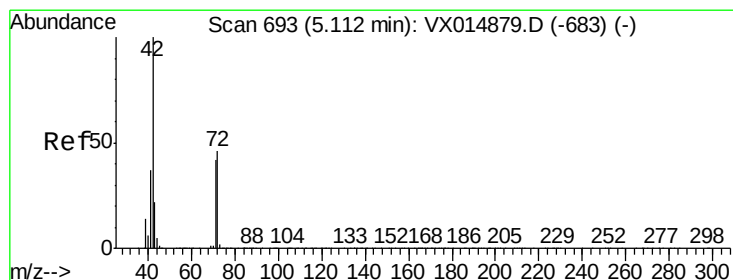
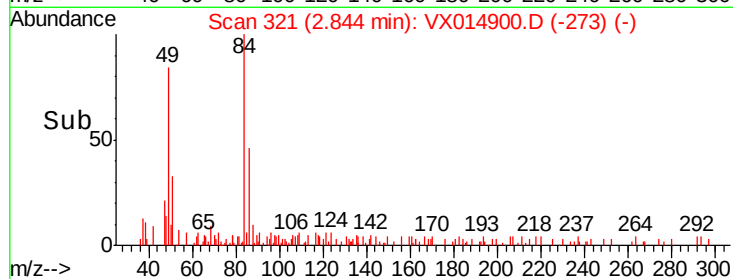
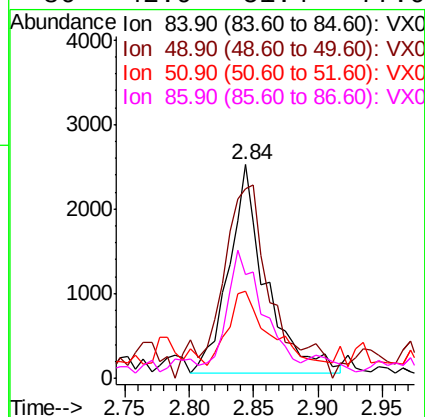
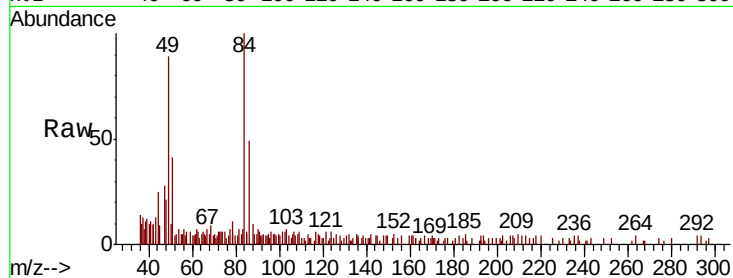




#20
Methylene Chloride
Concen: 0.997 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014900.D
Acq: 10 Feb 2020 19:54

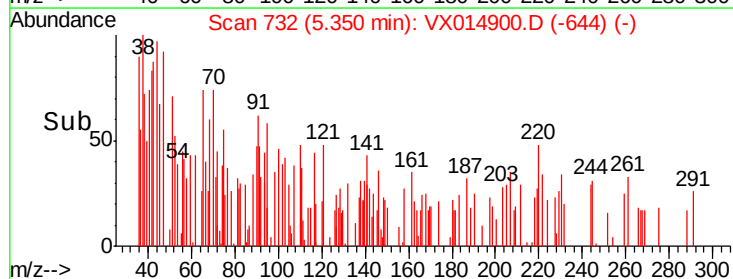
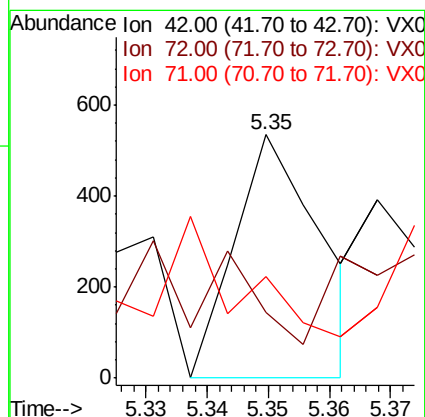
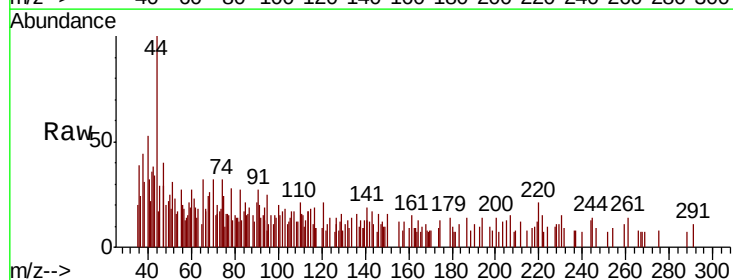
Instrument :
MSVOA_X
ClientSampleId :
330

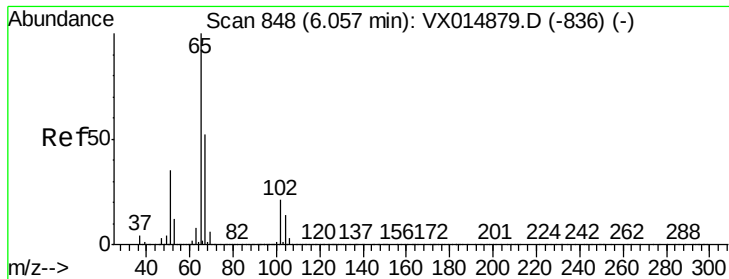
Tot Ion:	84	Resp:	4940
Ion	Ratio	Lower	Upper
84	100		
49	83.9	95.6	143.4#
51	27.7	29.0	43.6#
86	42.9	51.4	77.0#



#29
Tetrahydrofuran
Concen: 0.260 ug/l
RT: 5.35 min Scan# 732
Delta R.T. 0.24 min
Lab File: VX014900.D
Acq: 10 Feb 2020 19:54

Tgt Ion:	42	Resp:	518
Ion	Ratio	Lower	Upper
42	100		
72	54.6	36.9	55.3
71	43.1	34.1	51.1





#33

1,2-Dichloroethane-d4

Concen: 50.020 ug/l

RT: 6.06 min Scan# 848

Delta R.T. -0.00 min

Lab File: VX014900.D

Acq: 10 Feb 2020 19:54

Instrument :

MSVOA_X

ClientSampleId :

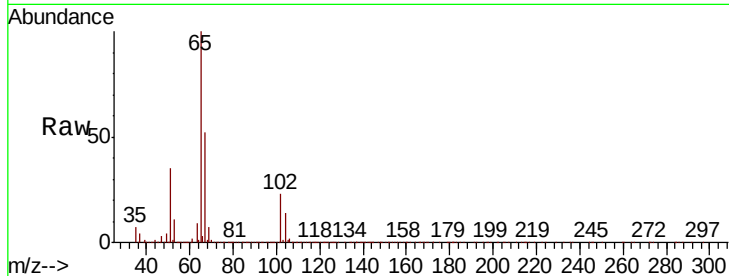
330

Tot Ion: 65 Resp: 257702

Ion Ratio Lower Upper

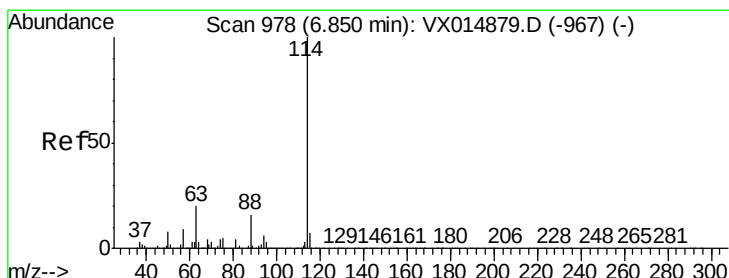
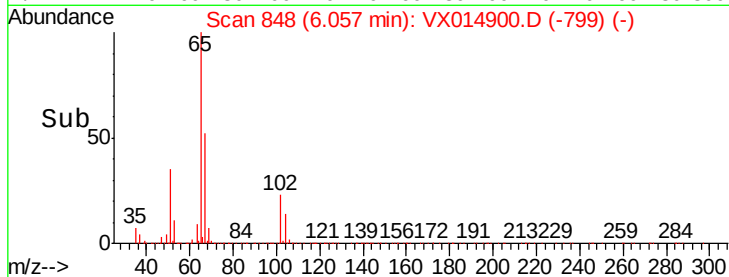
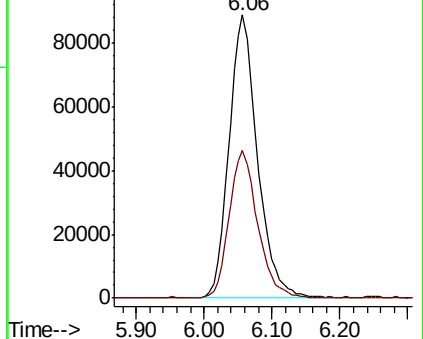
65 100

67 52.1 0.0 103.0



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: VX014900.D

Acq: 10 Feb 2020 19:54

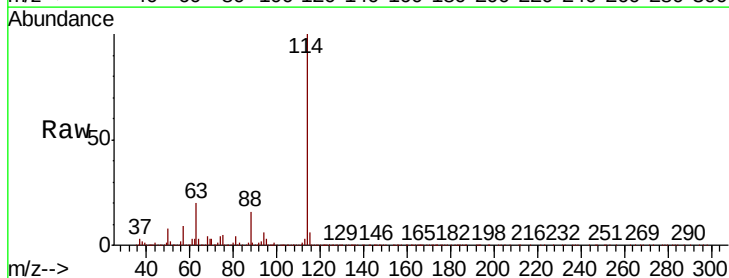
Tgt Ion: 114 Resp: 707233

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.2

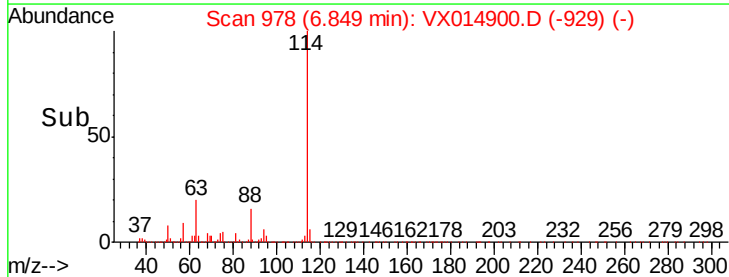
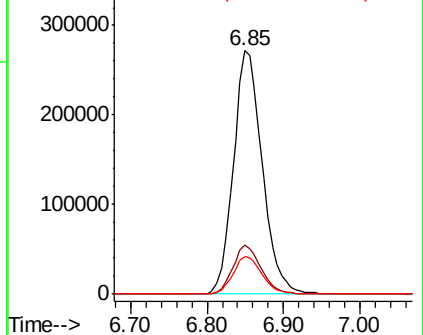
88 15.6 0.0 32.0

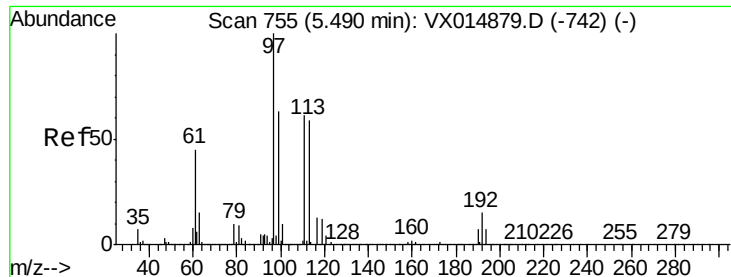


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

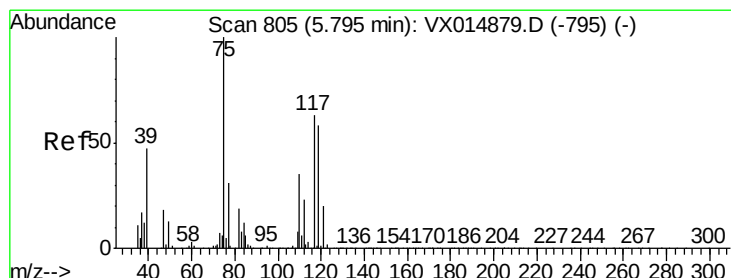
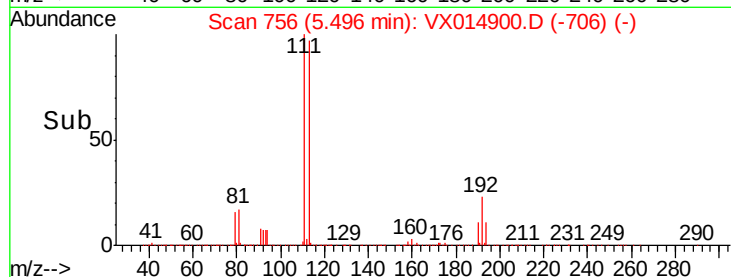
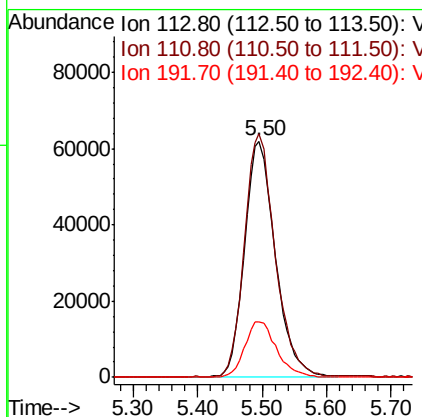
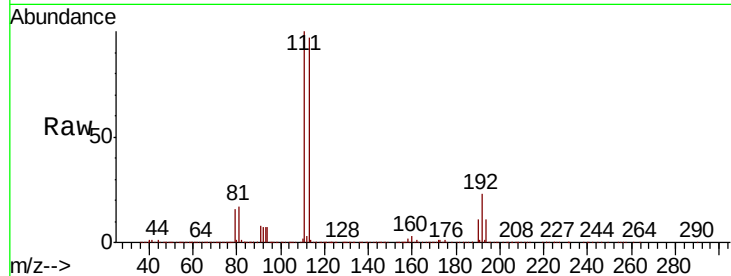




#35
 Dibromofluoromethane
 Concen: 46.700 ug/l
 RT: 5.50 min Scan# 756
 Delta R.T. 0.01 min
 Lab File: VX014900.D
 Acq: 10 Feb 2020 19:54

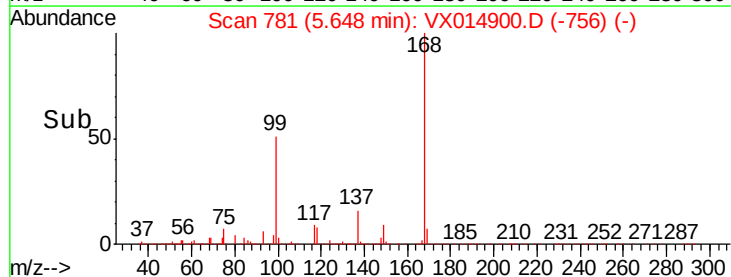
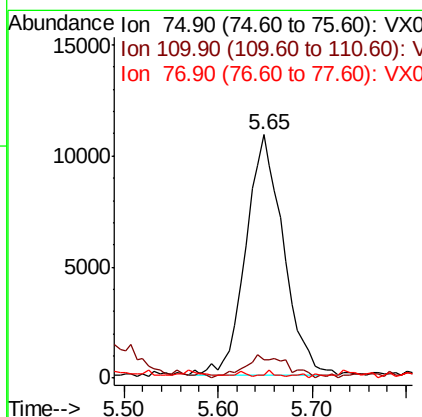
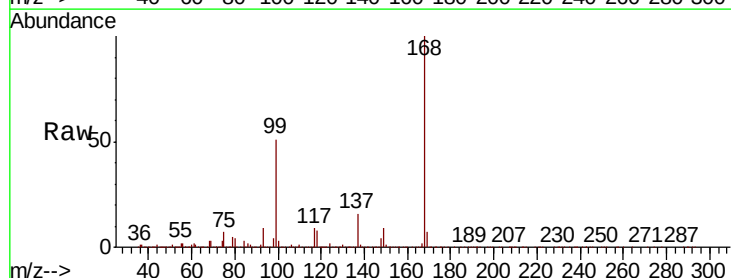
Instrument :
 MSVOA_X
 ClientSampleId :
 330

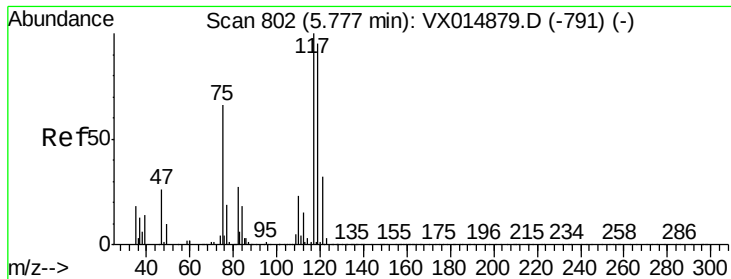
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.4	123.6
192	24.4	19.1	28.7



#36
 1,1-Dichloropropene
 Concen: 4.754 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX014900.D
 Acq: 10 Feb 2020 19:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.3	18.3	54.8#
77	0.7	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.540 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX014900.D

Acq: 10 Feb 2020 19:54

Instrument :

MSVOA_X

ClientSampled :

330

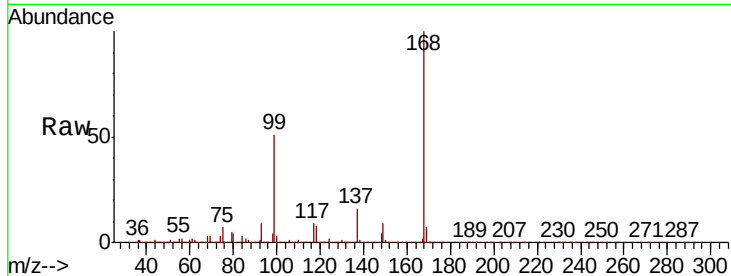
Tot Ion:117 Resp: 40318

Ion Ratio Lower Upper

117 100

119 4.6 76.0 114.0#

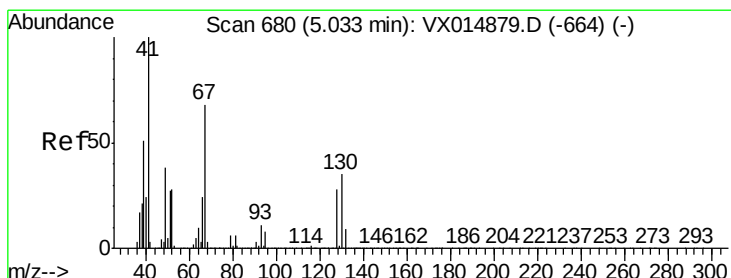
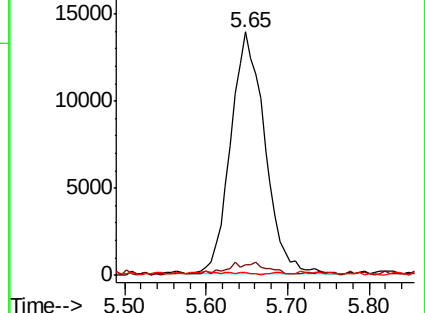
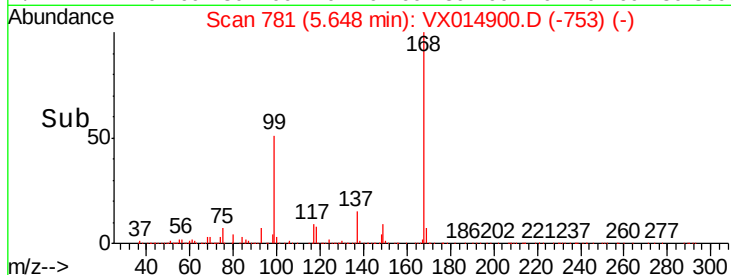
121 0.5 25.4 38.2#



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



#41

Methacrylonitrile

Concen: 0.264 ug/l

RT: 5.01 min Scan# 677

Delta R.T. -0.02 min

Lab File: VX014900.D

Acq: 10 Feb 2020 19:54

Tgt Ion: 41 Resp: 937

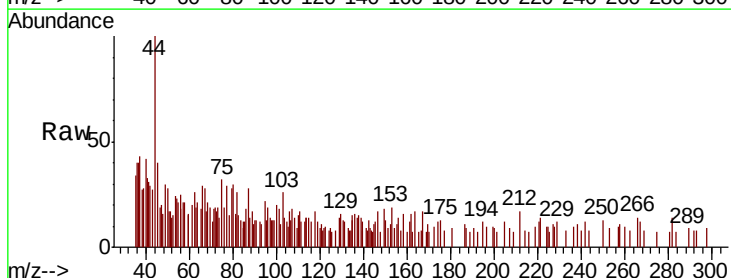
Ion Ratio Lower Upper

41 100

39 52.6 44.7 67.1

67 7.5 56.6 84.8#

52 85.6 22.3 33.5#

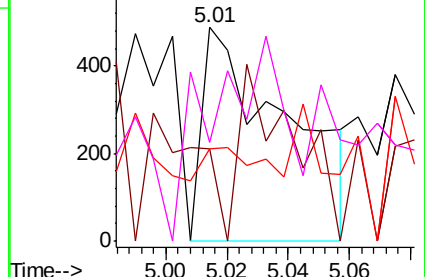
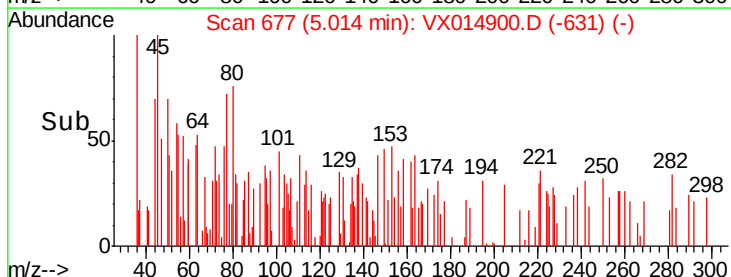


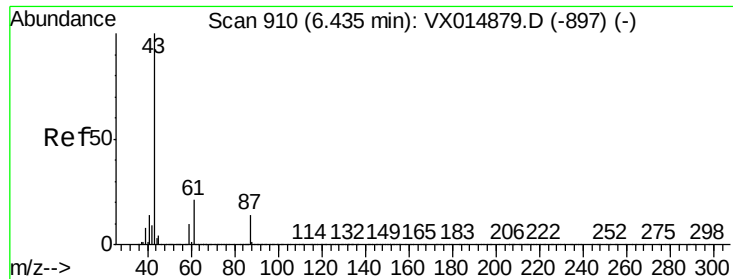
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#43

Isopropyl Acetate

Concen: 0.323 ug/l

RT: 6.47 min Scan# 915

Delta R.T. 0.03 min

Lab File: VX014900.D

Acq: 10 Feb 2020 19:54

Instrument :

MSVOA_X

ClientSampled :

330

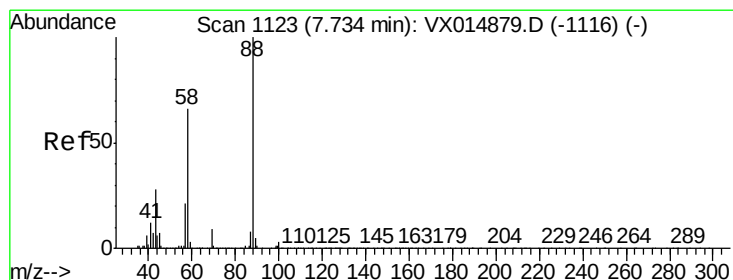
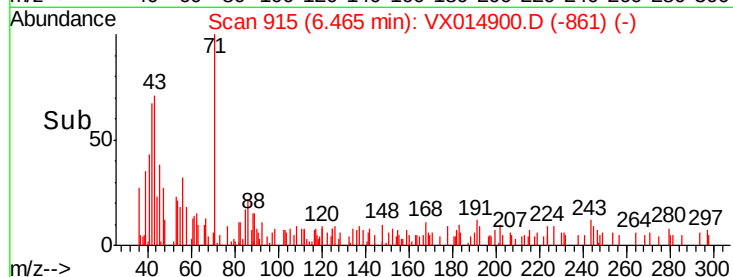
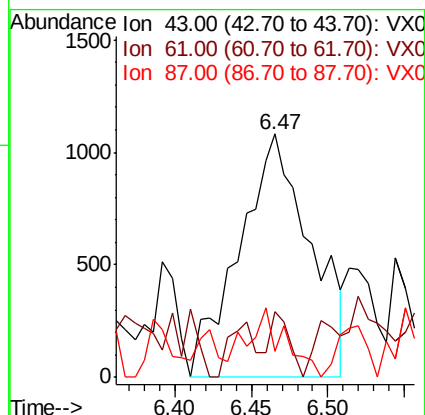
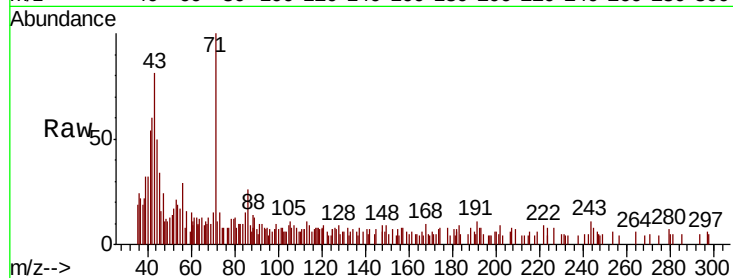
Tot Ion: 43 Resp: 3515

Ion Ratio Lower Upper

43 100

61 8.0 16.2 24.4#

87 15.0 11.0 16.6



#49

1,4-Dioxane

Concen: 2.137 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VX014900.D

Acq: 10 Feb 2020 19:54

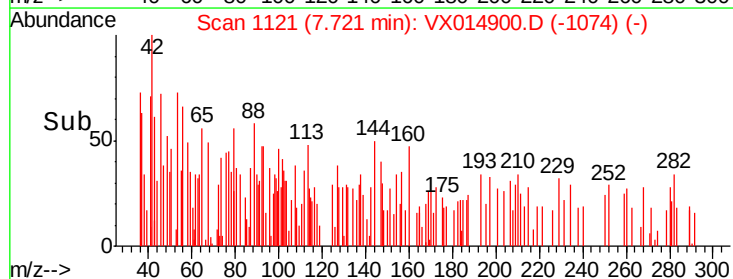
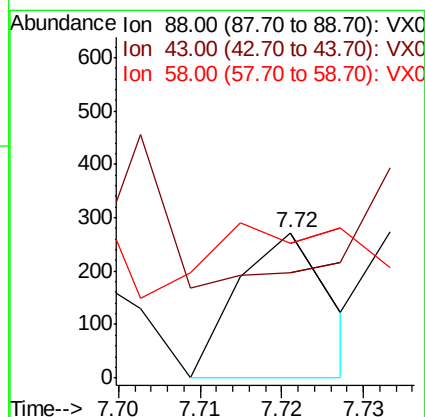
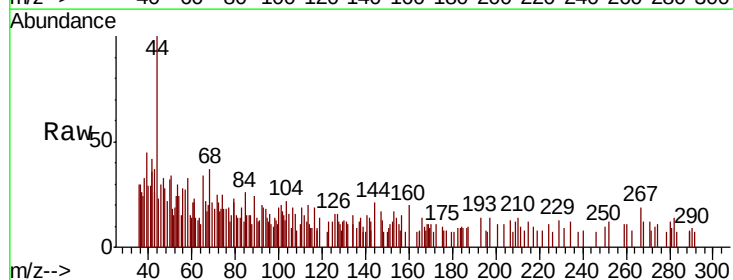
Tgt Ion: 88 Resp: 214

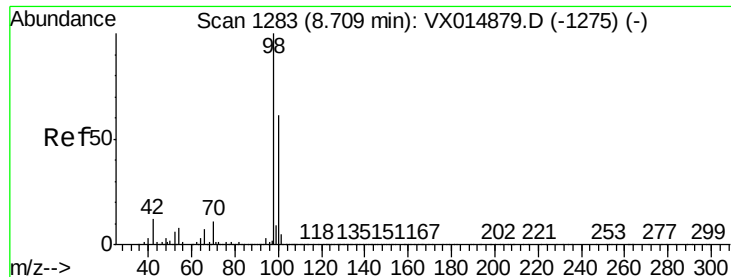
Ion Ratio Lower Upper

88 100

43 137.4 27.0 40.4#

58 41.6 53.2 79.8#

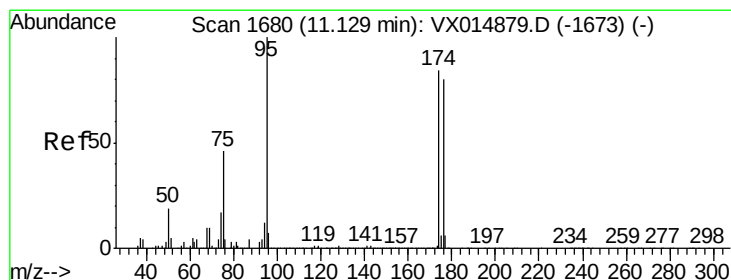
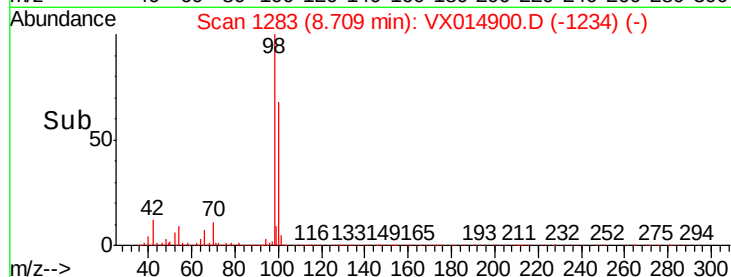
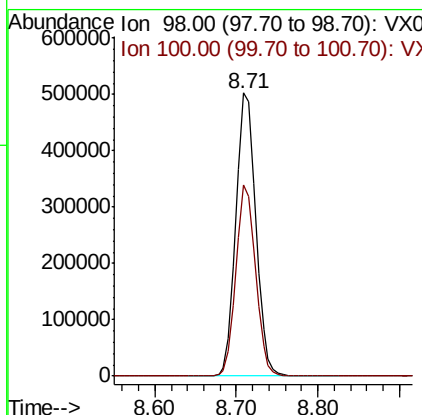
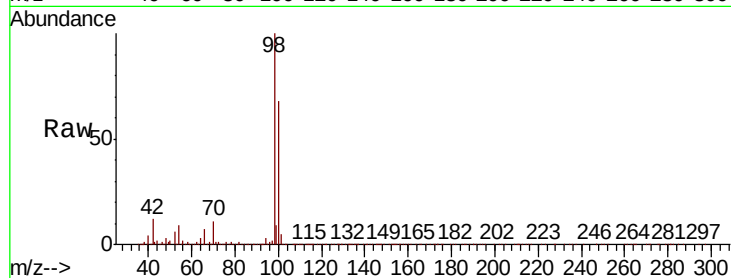




#50
Toluene-d8
Concen: 50.730 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014900.D
Acq: 10 Feb 2020 19:54

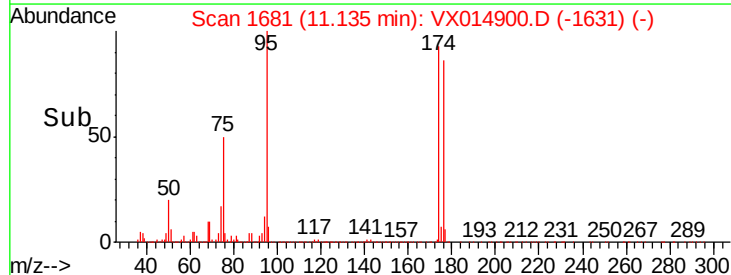
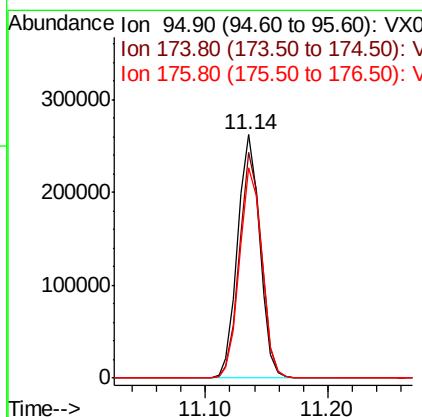
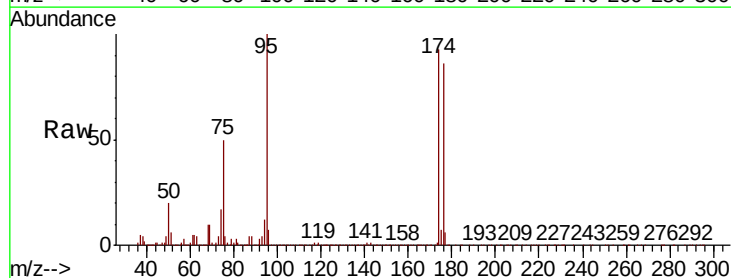
Instrument :
MSVOA_X
ClientSampled :
330

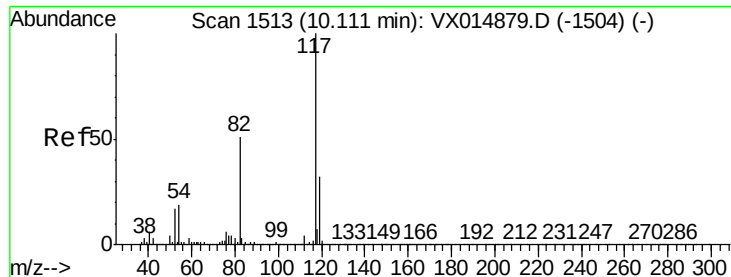
Tot Ion: 98 Resp: 841927
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 54.664 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX014900.D
Acq: 10 Feb 2020 19:54

Tgt Ion: 95 Resp: 326808
Ion Ratio Lower Upper
95 100
174 92.6 0.0 183.0
176 88.5 0.0 178.0

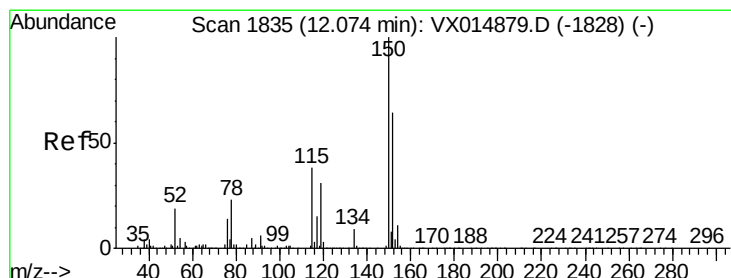
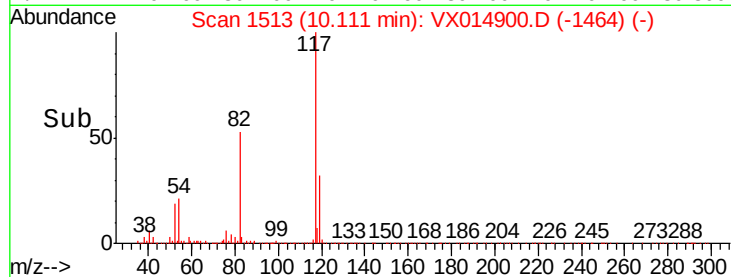
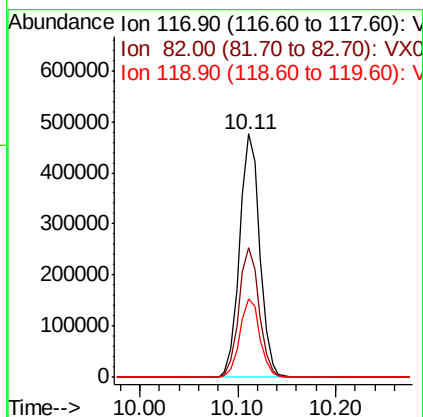
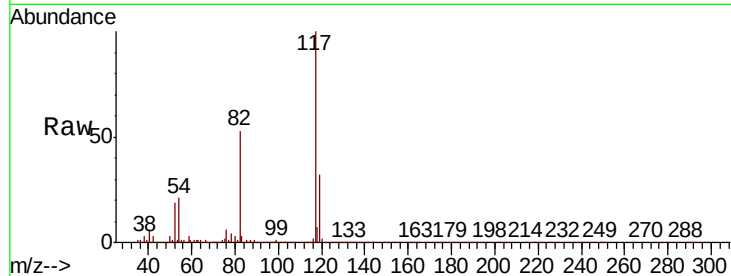




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014900.D
Acq: 10 Feb 2020 19:54

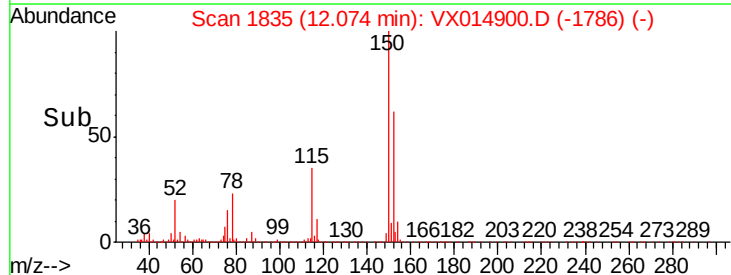
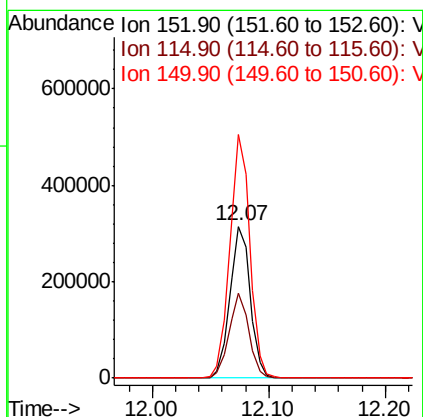
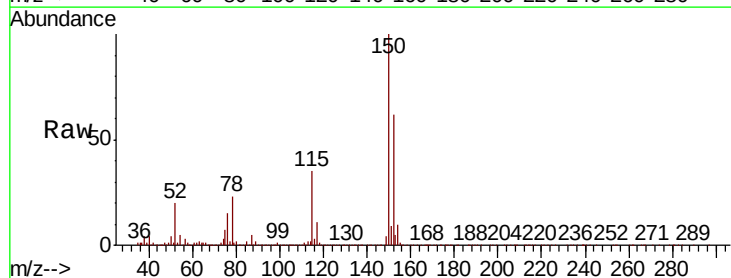
Instrument :
MSVOA_X
ClientSampled :
330

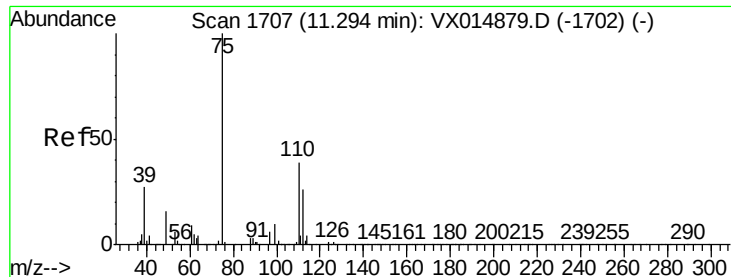
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	40.5	60.7
119	32.0	25.8	38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014900.D
Acq: 10 Feb 2020 19:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	38.6	116.0
150	157.8	0.0	349.0





#76

1,2,3-Trichloropropane

Concen: 23.312 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX014900.D

Acq: 10 Feb 2020 19:54

Instrument :

MSVOA_X

ClientSampleId :

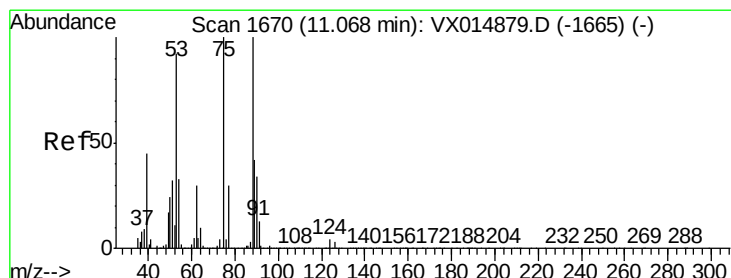
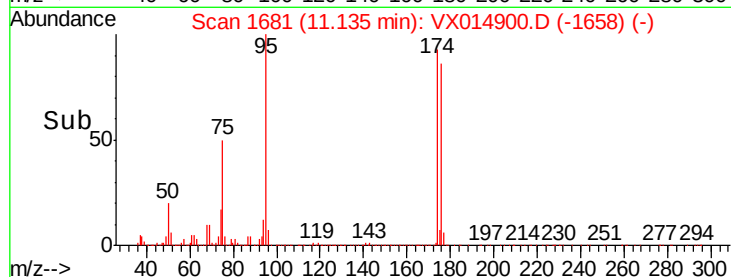
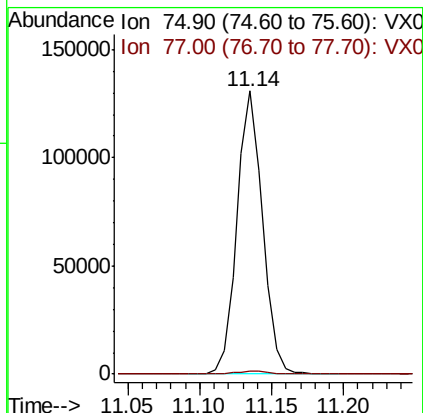
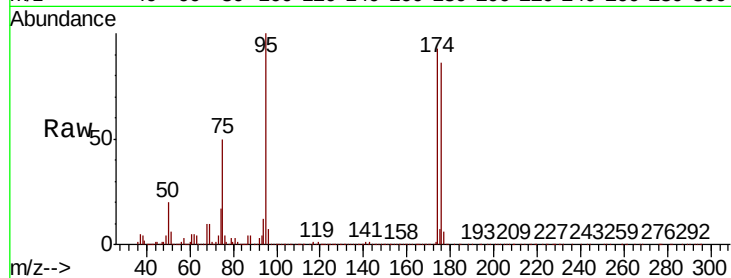
330

Tot Ion: 75 Resp: 161272

Ion Ratio Lower Upper

75 100

77 1.1 18.4 55.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.673 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX014900.D

Acq: 10 Feb 2020 19:54

Tgt Ion: 75 Resp: 161272

Ion Ratio Lower Upper

75 100

53 0.3 76.2 114.2#

89 0.2 35.8 53.6#

