

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012820\
 Data File : VX014748.D
 Acq On : 28 Jan 2020 13:57
 Operator : JC/SP
 Sample : VX0128MBL01
 Misc : 5.0µ/10mL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 28 23:18:59 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	424267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	663889	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	606634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	275347	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	253377	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
35) Dibromofluoromethane	5.48	113	204541	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	
50) Toluene-d8	8.71	98	797608	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
62) 4-Bromofluorobenzene	11.13	95	264547	46.11	ug/l	0.00
Spiked Amount			Recovery	=	92.22%	

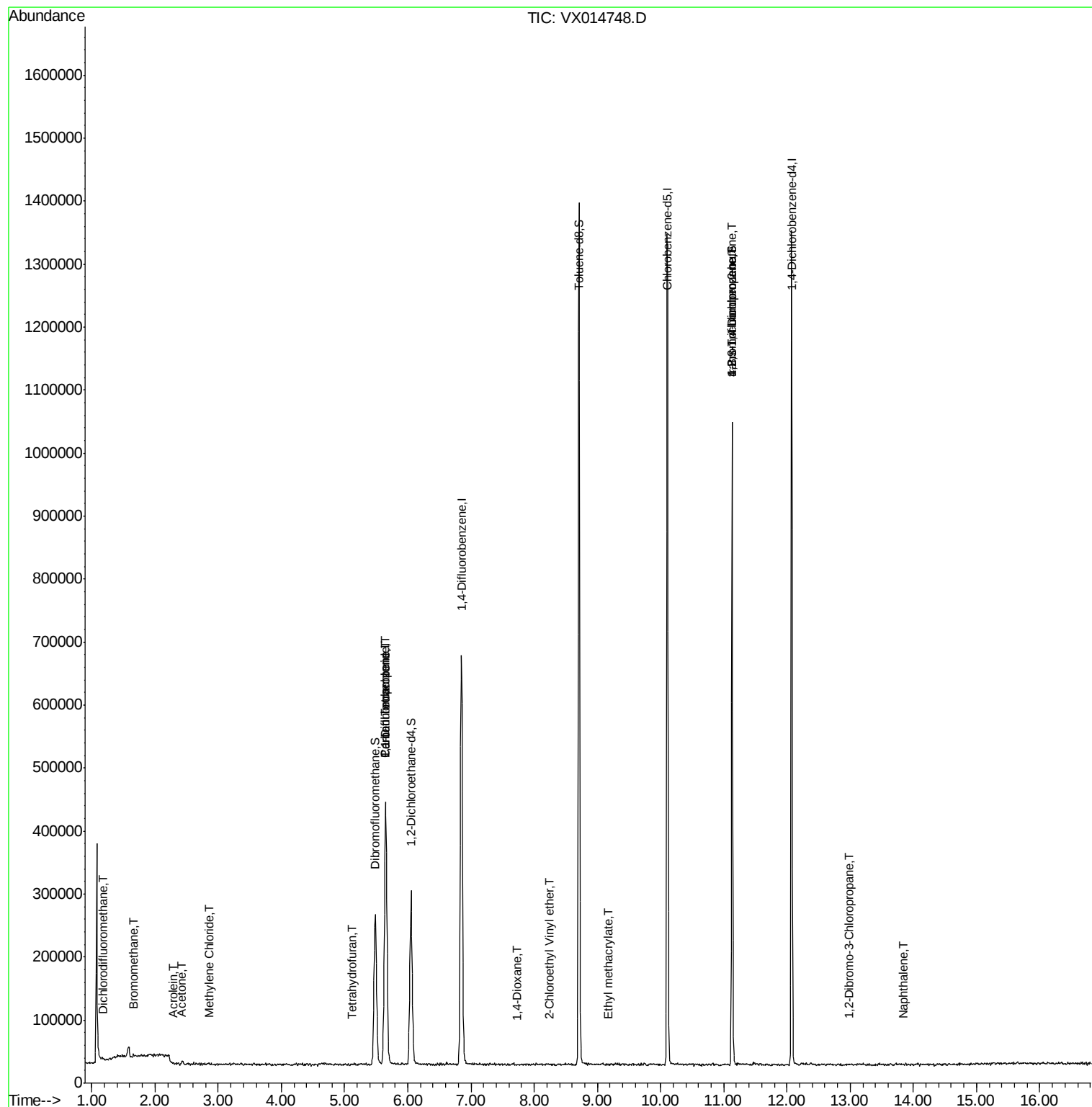
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	315	0.586	ug/l #	42
5) Bromomethane	1.65	94	1190	0.282	ug/l	91
6) Chloroethane	1.69	64	392	Below Cal	#	43
13) Acrolein	2.29	56	828	0.944	ug/l #	70
16) Acetone	2.43	43	6925	2.699	ug/l	94
20) Methylene Chloride	2.85	84	1165	0.232	ug/l #	86
29) Tetrahydrofuran	5.12	42	807	0.349	ug/l #	79
36) 1,1-Dichloropropene	5.65	75	29360	4.759	ug/l #	53
38) Carbon Tetrachloride	5.65	117	37592	6.381	ug/l #	16
41) Methacrylonitrile	5.04	41	228	Below Cal	#	59
49) 1,4-Dioxane	7.73	88	186	1.587	ug/l #	1
56) Ethyl methacrylate	9.18	69	216	1.810	ug/l #	23
58) 2-Chloroethyl Vinyl ether	8.23	63	666	0.276	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	132130	20.626	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	132130	58.696	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.98	75	828	0.558	ug/l #	18
95) Naphthalene	13.84	128	902	0.977	ug/l #	79

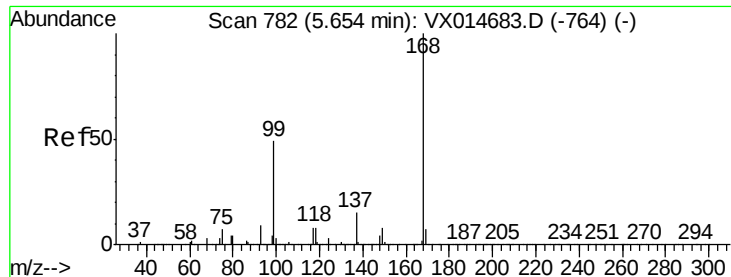
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX012820\
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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jan 28 23:18:59 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: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX014748.D

Acq: 28 Jan 2020 13:57

Instrument :

MSVOA_X

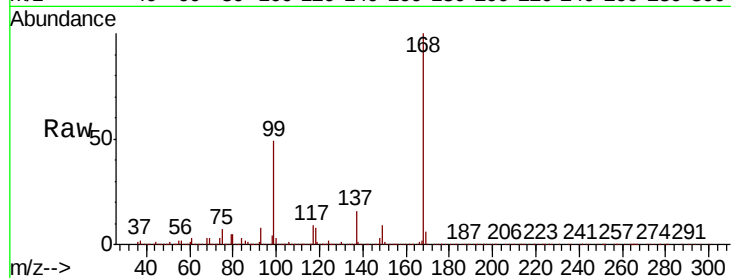
ClientSampleId :

Tot Ion:168 Resp: 424267

Ion Ratio Lower Upper

168 100

99 49.2 39.8 59.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

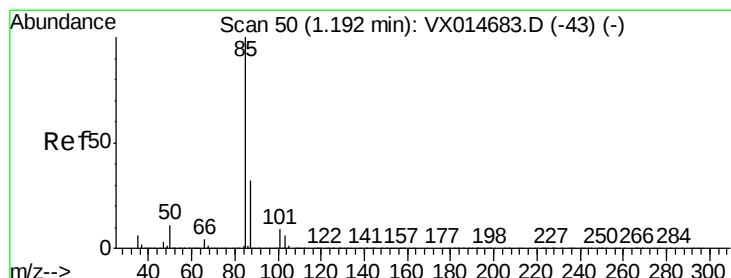
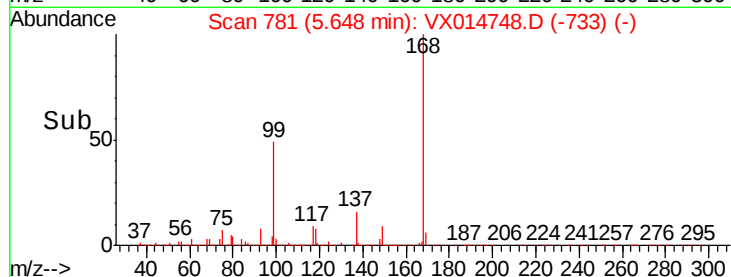
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.586 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX014748.D

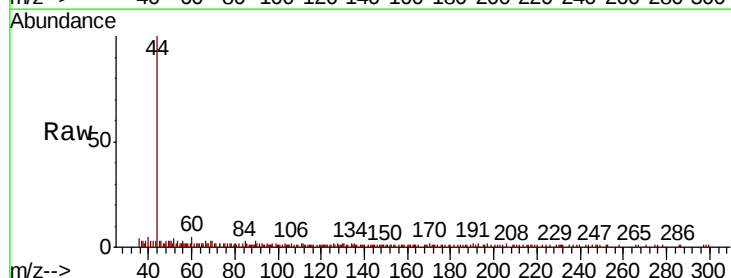
Acq: 28 Jan 2020 13:57

Tgt Ion: 85 Resp: 315

Ion Ratio Lower Upper

85 100

87 0.0 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

400

300

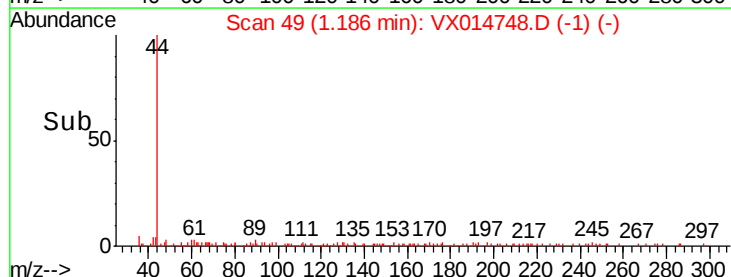
200

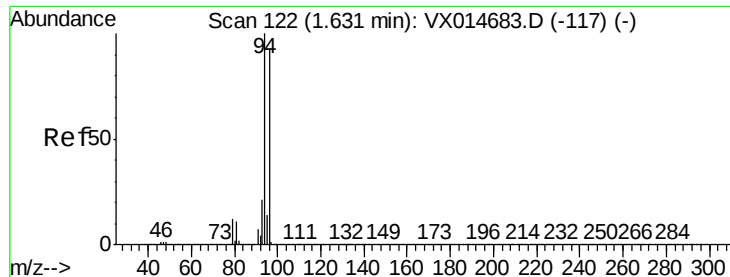
100

0

1.17 1.18 1.19 1.20

Time-->





#5

Bromomethane

Concen: 0.282 ug/l

RT: 1.65 min Scan# 126

Delta R.T. 0.02 min

Lab File: VX014748.D

Acq: 28 Jan 2020 13:57

Instrument :

MSVOA_X

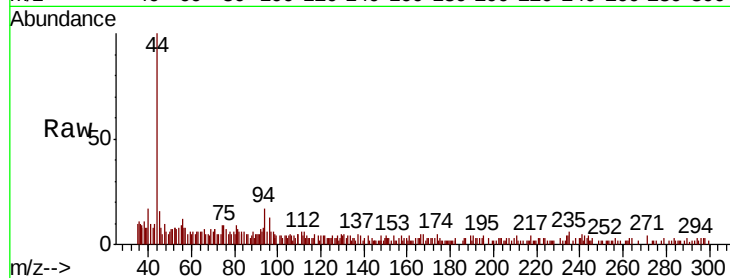
ClientSampled :

Tot Ion: 94 Resp: 1190

Ion Ratio Lower Upper

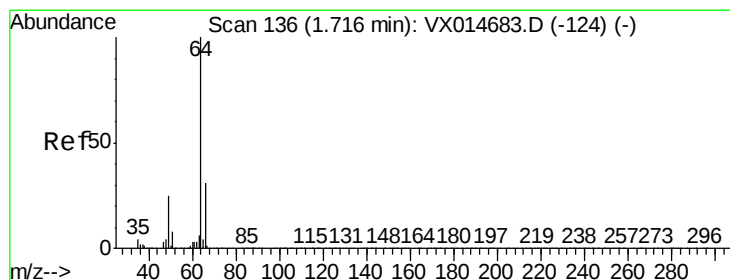
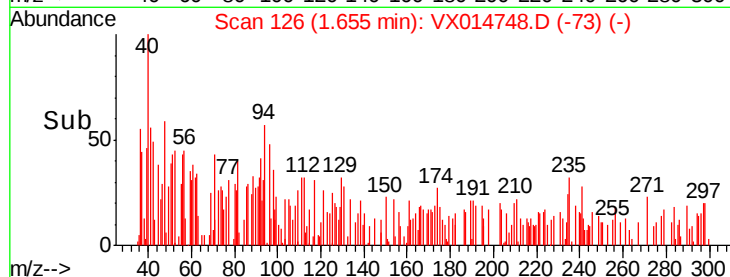
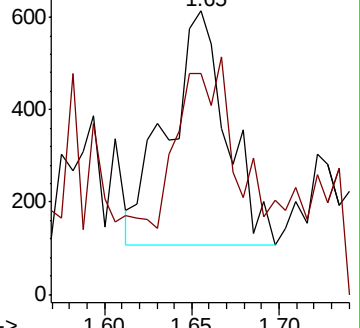
94 100

96 102.2 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 132

Delta R.T. -0.02 min

Lab File: VX014748.D

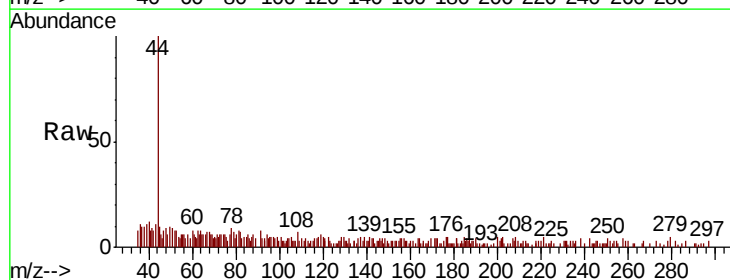
Acq: 28 Jan 2020 13:57

Tgt Ion: 64 Resp: 392

Ion Ratio Lower Upper

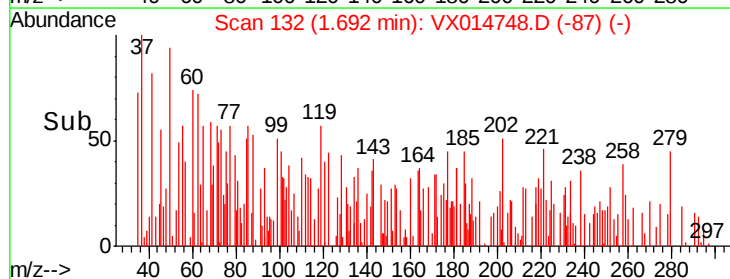
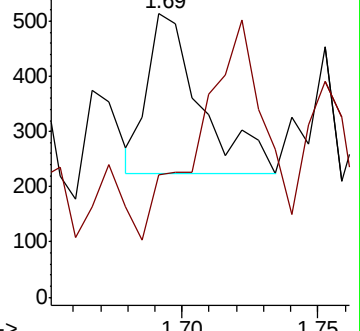
64 100

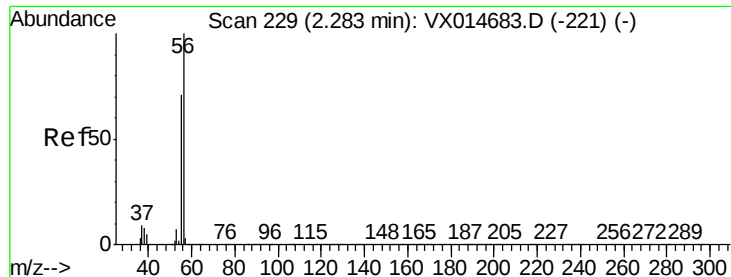
66 0.0 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#13

Acrolein

Concen: 0.944 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX014748.D

Acq: 28 Jan 2020 13:57

Instrument :

MSVOA_X

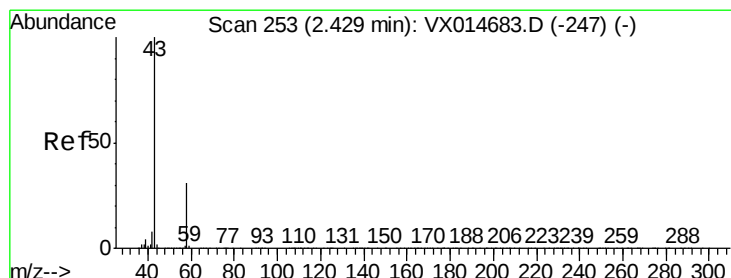
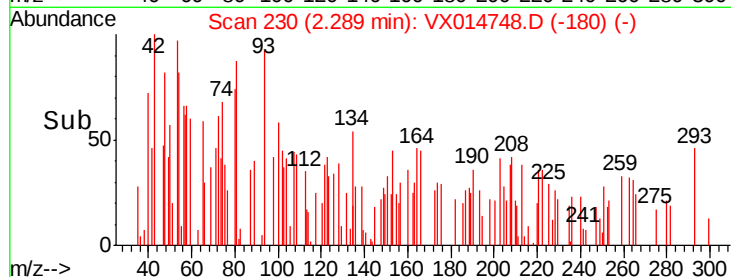
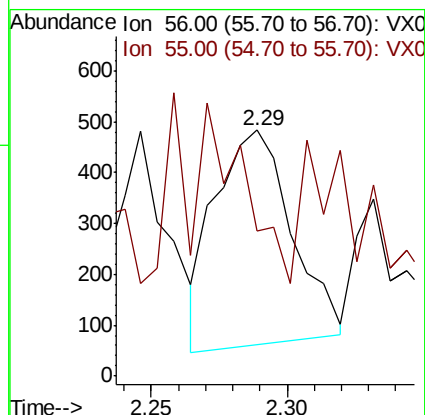
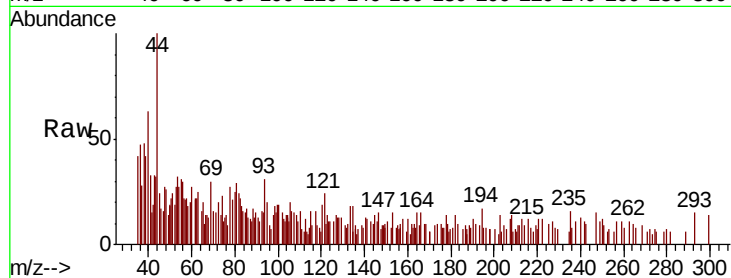
ClientSampled :

Tot Ion: 56 Resp: 828

Ion Ratio Lower Upper

56 100

55 45.7 56.6 84.8#



#16

Acetone

Concen: 2.699 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014748.D

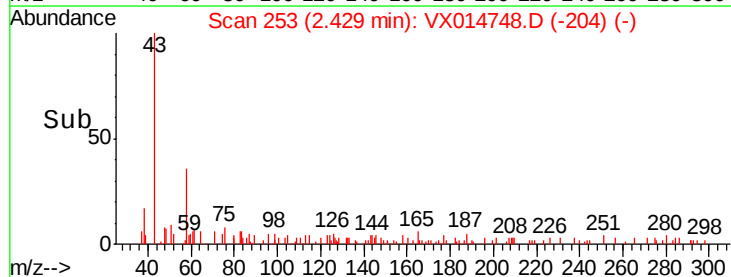
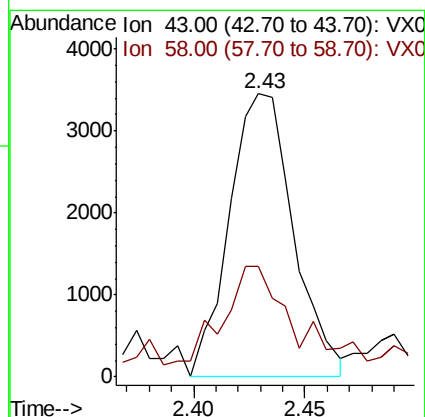
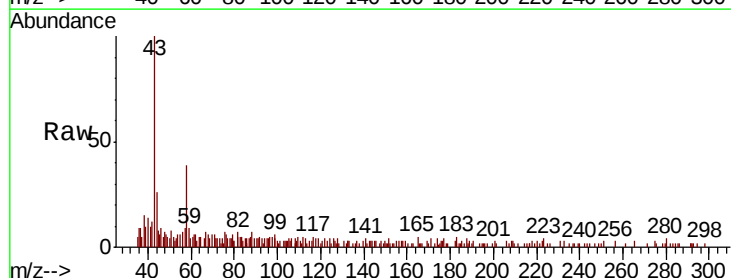
Acq: 28 Jan 2020 13:57

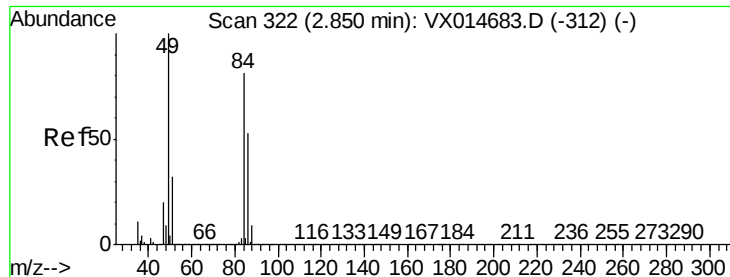
Tgt Ion: 43 Resp: 6925

Ion Ratio Lower Upper

43 100

58 33.8 24.5 36.7

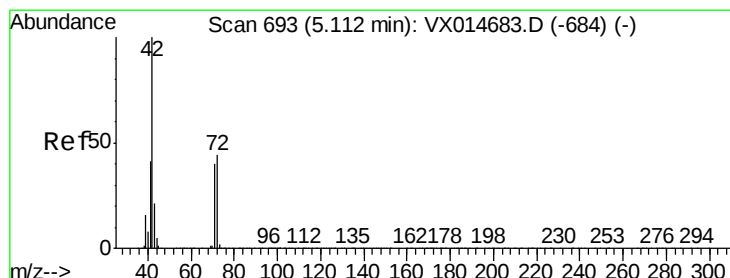
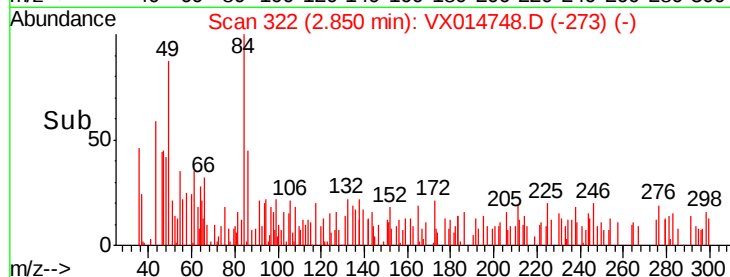
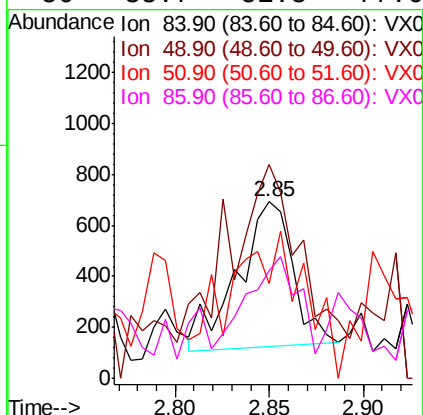
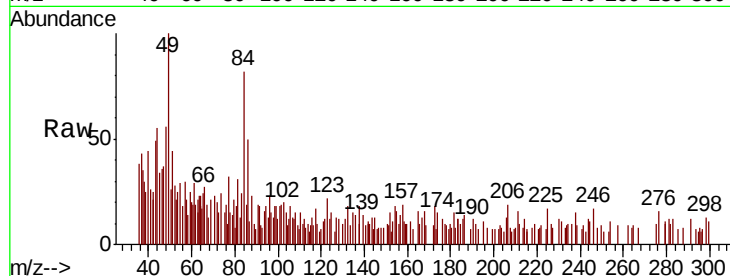




#20
Methvlene Chloride
Concen: 0.232 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX014748.D
Acq: 28 Jan 2020 13:57

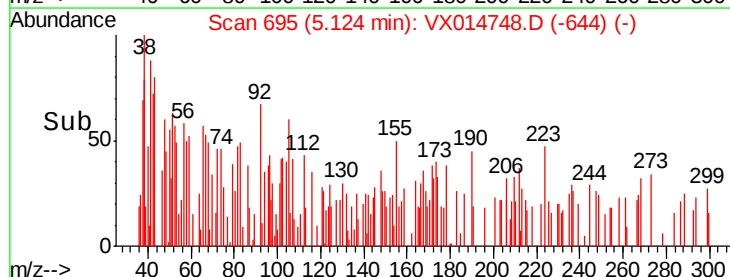
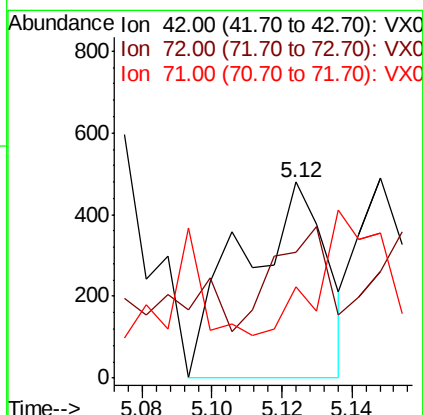
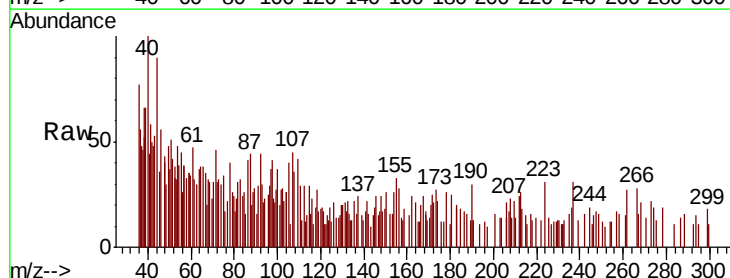
Instrument :
MSVOA_X
ClientSampleId :

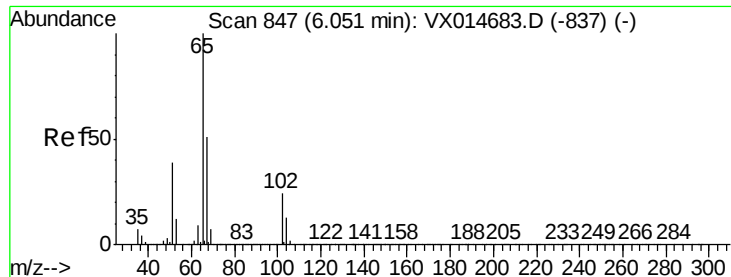
Tot Ion:	84	Resp:	1165
Ion	Ratio	Lower	Upper
84	100		
49	114.8	98.2	147.4
51	41.4	31.3	46.9
86	38.7	51.8	77.6#



#29
Tetrahydrofuran
Concen: 0.349 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX014748.D
Acq: 28 Jan 2020 13:57

Tgt Ion:	42	Resp:	807
Ion	Ratio	Lower	Upper
42	100		
72	33.2	35.3	52.9#
71	58.0	33.1	49.7#





#33

1,2-Dichloroethane-d4

Concen: 51.141 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX014748.D

Acq: 28 Jan 2020 13:57

Instrument :

MSVOA_X

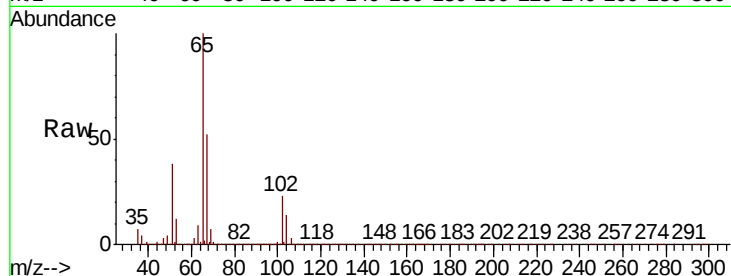
ClientSampleId :

Tot Ion: 65 Resp: 253377

Ion Ratio Lower Upper

65 100

67 52.6 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

100000

80000

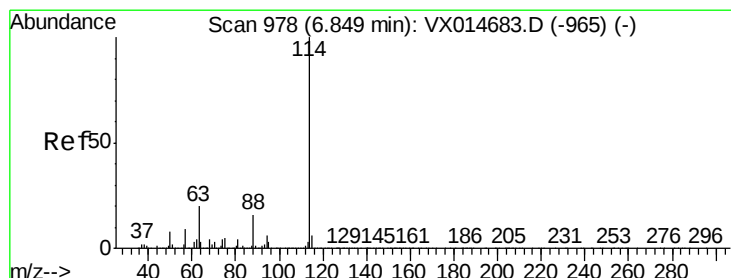
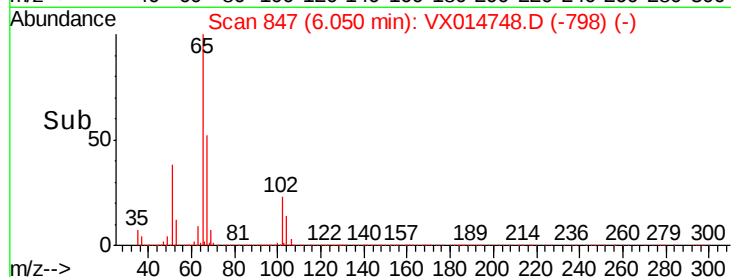
60000

40000

20000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX014748.D

Acq: 28 Jan 2020 13:57

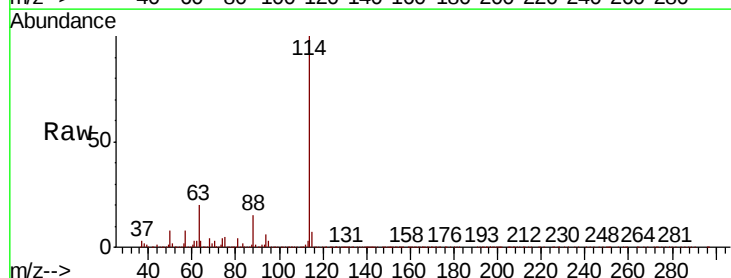
Tgt Ion: 114 Resp: 663889

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.6

88 15.4 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

400000

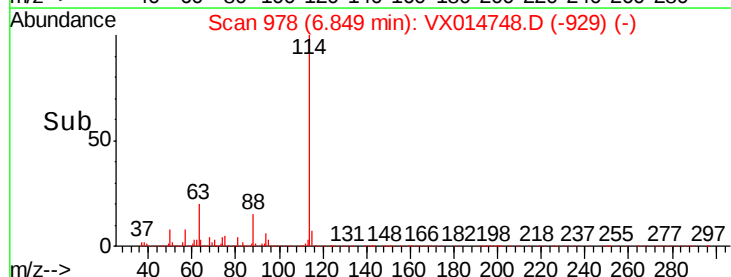
300000

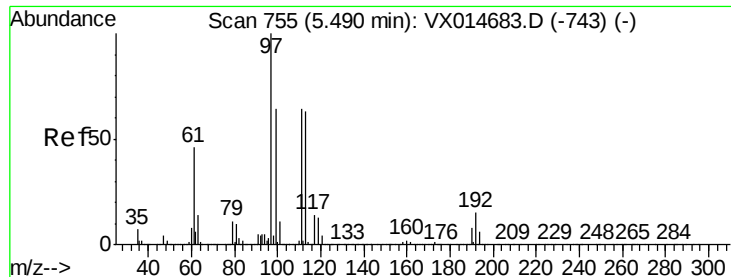
200000

100000

0

Time--> 6.70 6.80 6.90 7.00

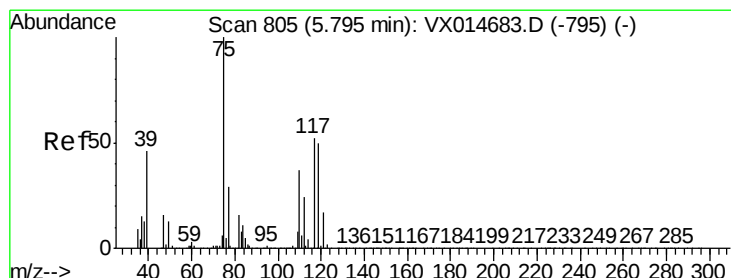
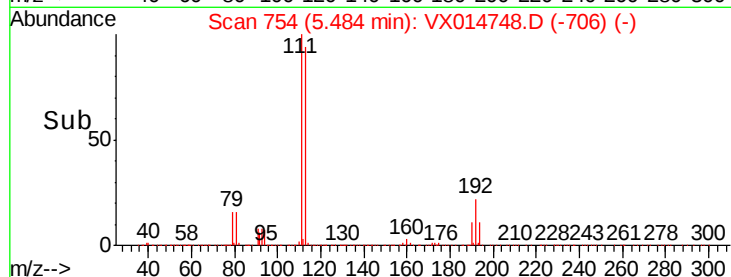
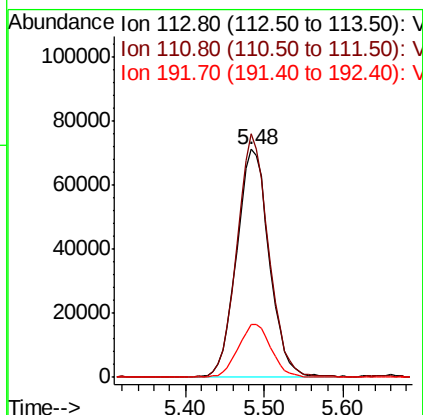
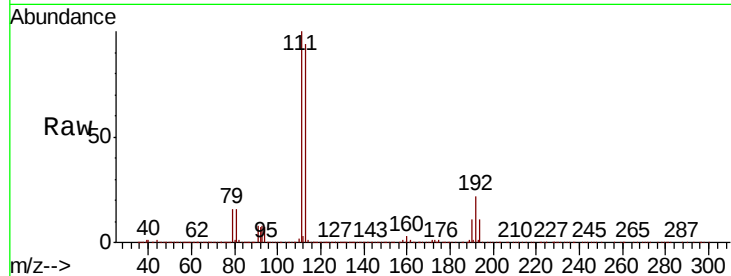




#35
 Dibromofluoromethane
 Concen: 48.827 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX014748.D
 Acq: 28 Jan 2020 13:57

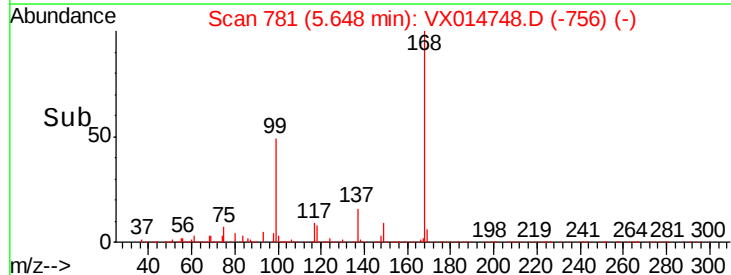
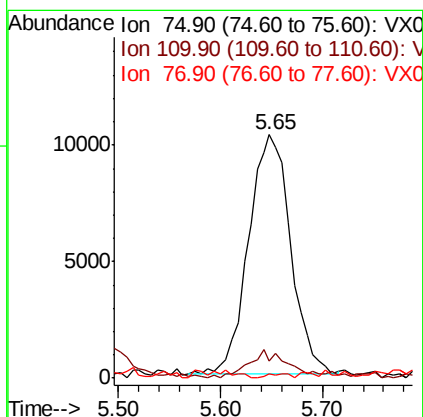
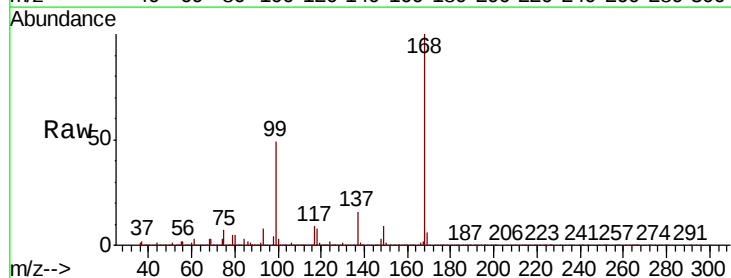
Instrument :
 MSVOA_X
 ClientSampleId :

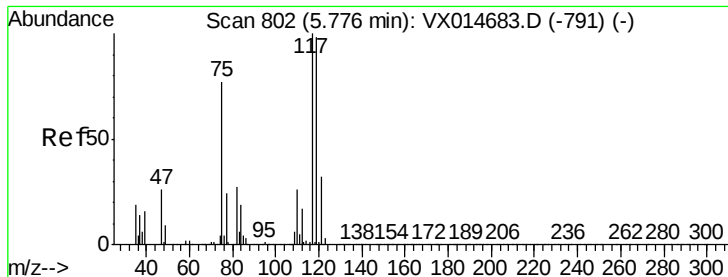
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	80.7	121.1
192	23.8	18.5	27.7



#36
 1,1-Dichloropropene
 Concen: 4.759 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX014748.D
 Acq: 28 Jan 2020 13:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.1	17.9	53.7#
77	1.0	24.1	36.1#





#38

Carbon Tetrachloride

Concen: 6.381 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX014748.D

Acq: 28 Jan 2020 13:57

Instrument :

MSVOA_X

ClientSampleId :

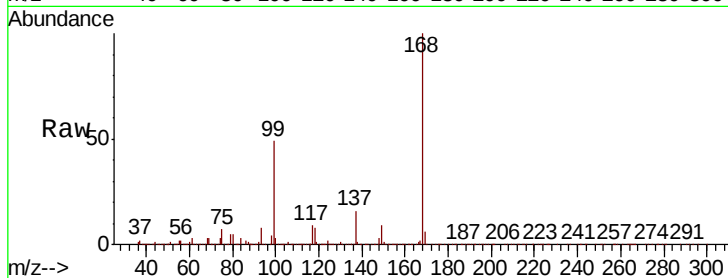
Tot Ion:117 Resp: 37592

Ion Ratio Lower Upper

117 100

119 5.3 77.9 116.9#

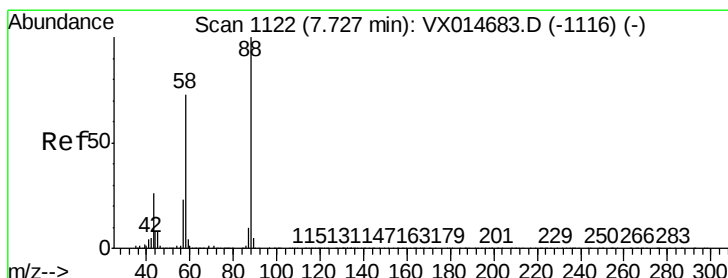
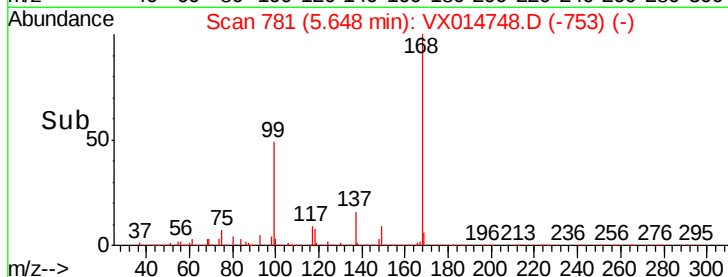
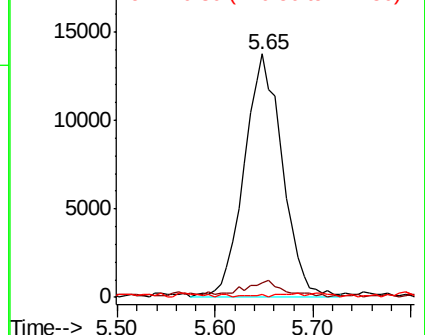
121 0.5 25.4 38.2#



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



#49

1,4-Dioxane

Concen: 1.587 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VX014748.D

Acq: 28 Jan 2020 13:57

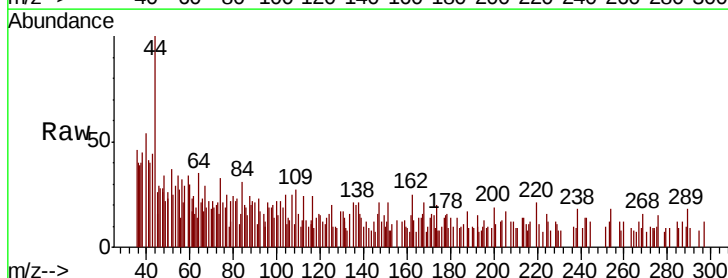
Tgt Ion: 88 Resp: 186

Ion Ratio Lower Upper

88 100

43 353.2 26.2 39.2#

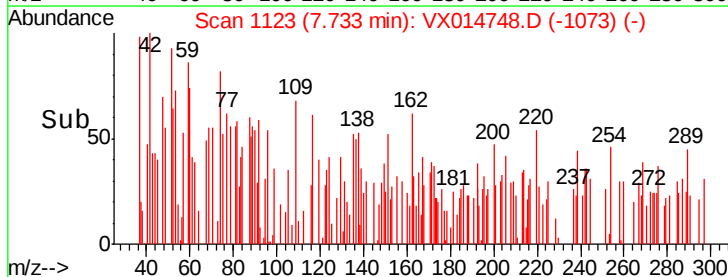
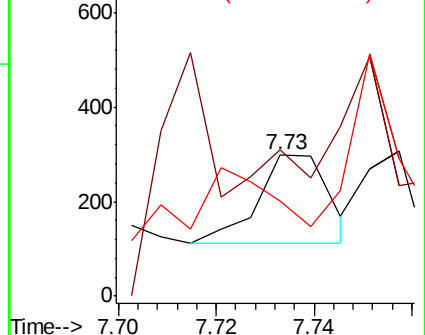
58 140.9 56.6 85.0#

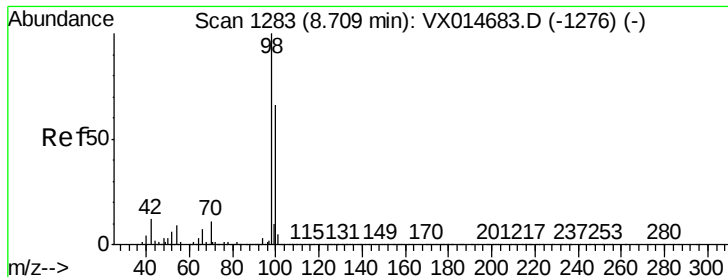


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.527 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014748.D

Acq: 28 Jan 2020 13:57

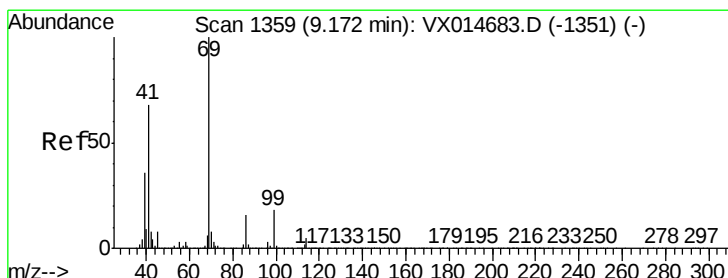
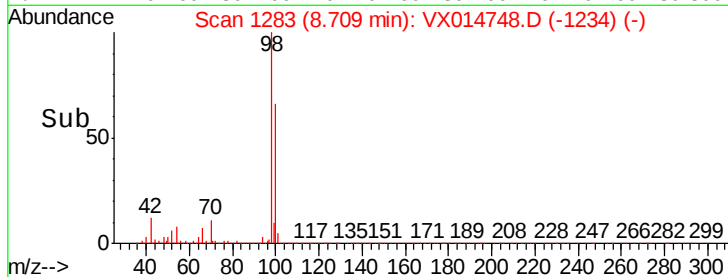
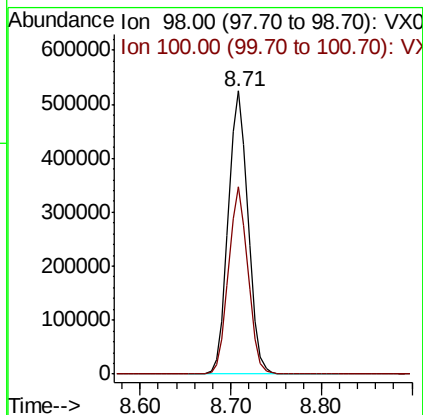
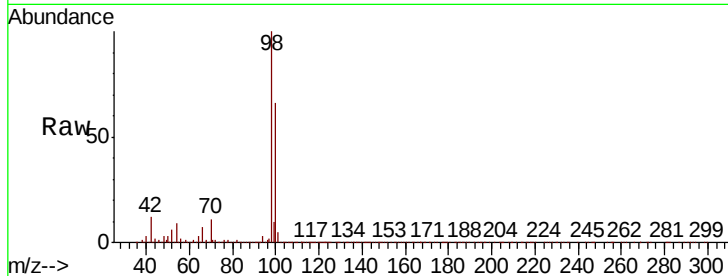
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 98 Resp: 797608

Ion Ratio Lower Upper

98 100

100 65.1 53.0 79.6



#56

Ethyl methacrylate

Concen: 1.810 ug/l

RT: 9.18 min Scan# 1360

Delta R.T. 0.01 min

Lab File: VX014748.D

Acq: 28 Jan 2020 13:57

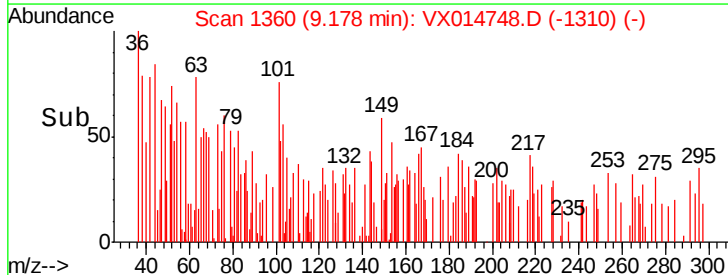
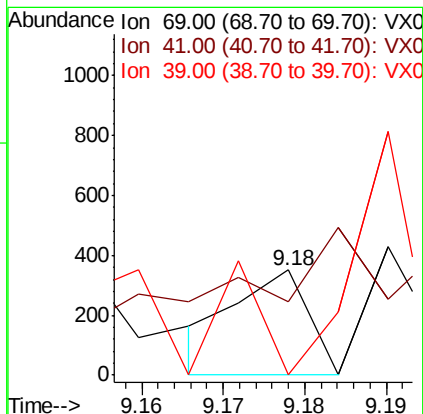
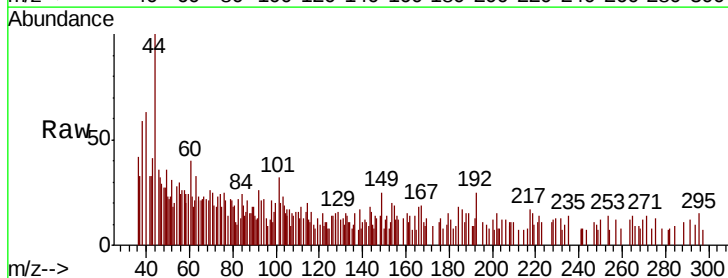
Tgt Ion: 69 Resp: 216

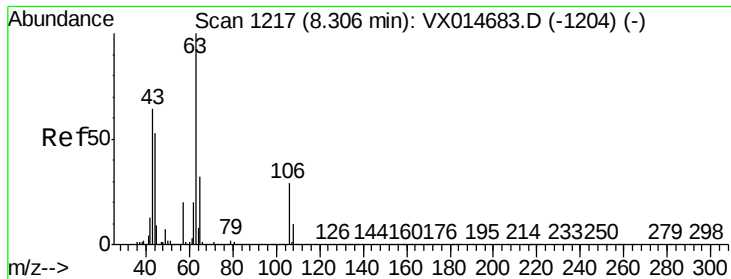
Ion Ratio Lower Upper

69 100

41 0.0 54.9 82.3#

39 0.0 29.3 43.9#

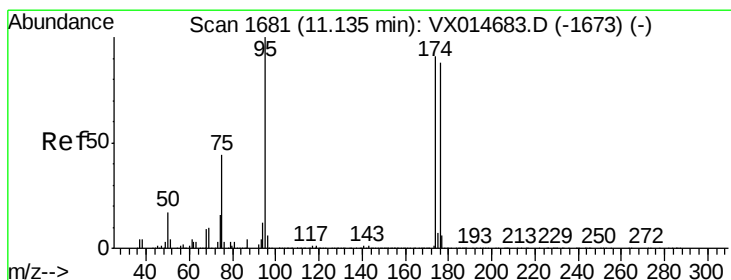
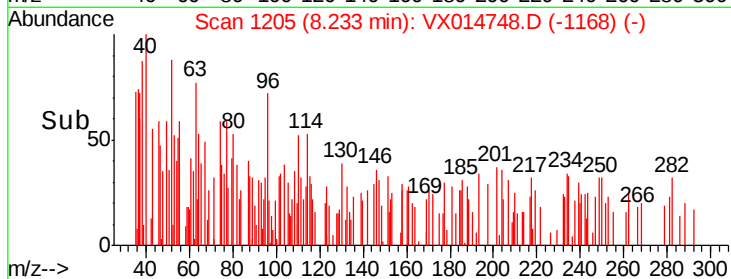
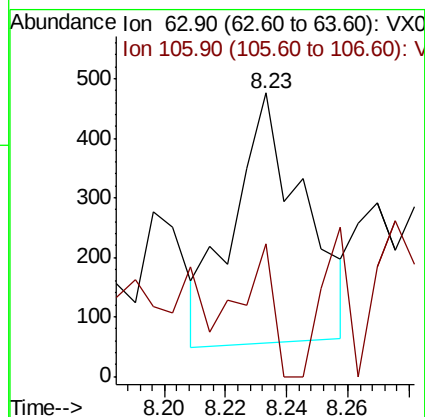
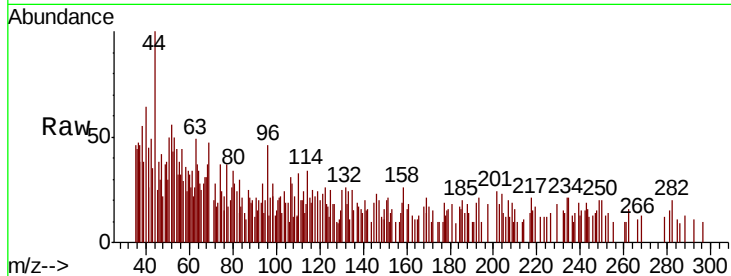




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.276 ug/l
 RT: 8.23 min Scan# 1205
 Delta R.T. -0.07 min
 Lab File: VX014748.D
 Acq: 28 Jan 2020 13:57

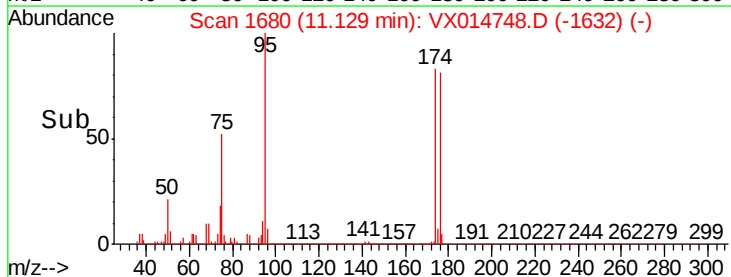
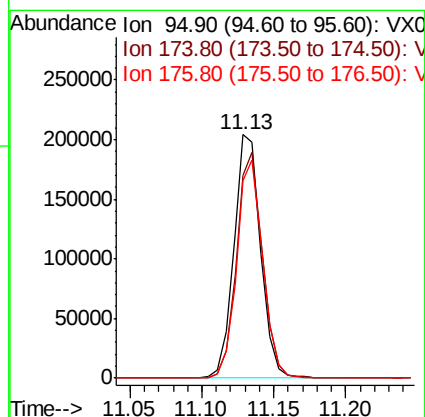
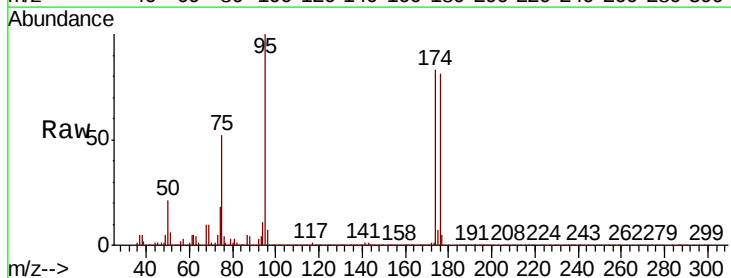
Instrument :
 MSVOA_X
 ClientSampled :

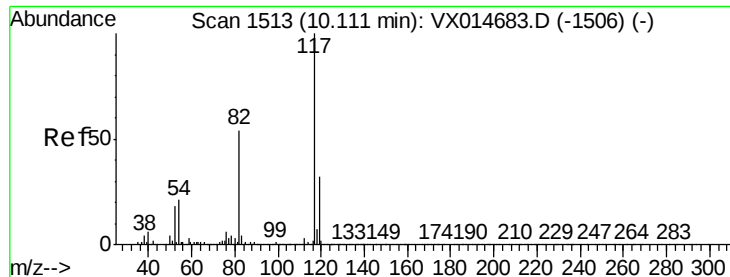
Tot Ion: 63 Resp: 666
 Ion Ratio Lower Upper
 63 100
 106 26.0 22.7 34.1



#62
 4-Bromofluorobenzene
 Concen: 46.114 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX014748.D
 Acq: 28 Jan 2020 13:57

Tgt Ion: 95 Resp: 264547
 Ion Ratio Lower Upper
 95 100
 174 90.0 0.0 176.0
 176 87.0 0.0 172.2

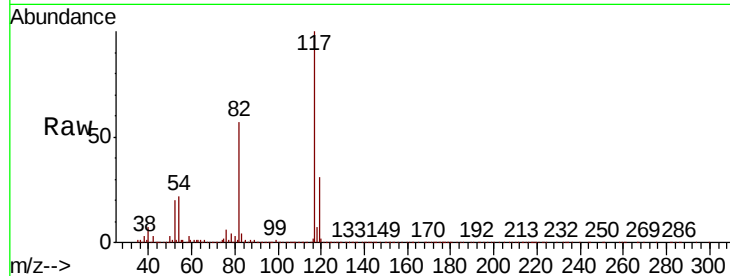




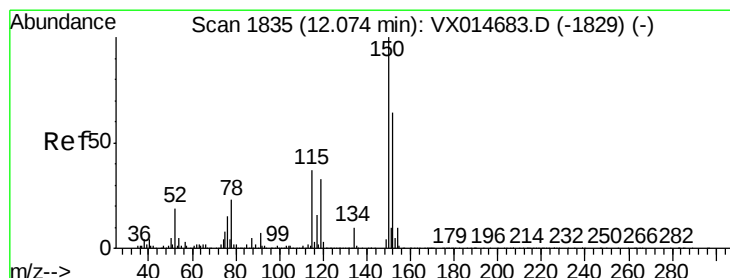
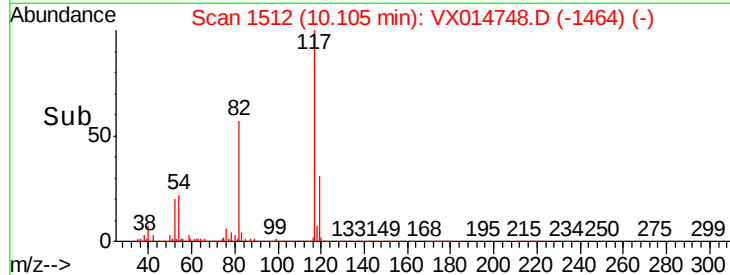
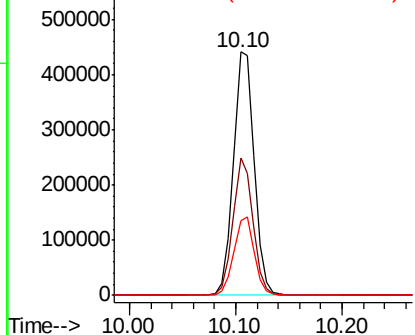
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014748.D
Acq: 28 Jan 2020 13:57

Instrument :
MSVOA_X
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.6	43.2	64.8
119	30.8	25.8	38.6

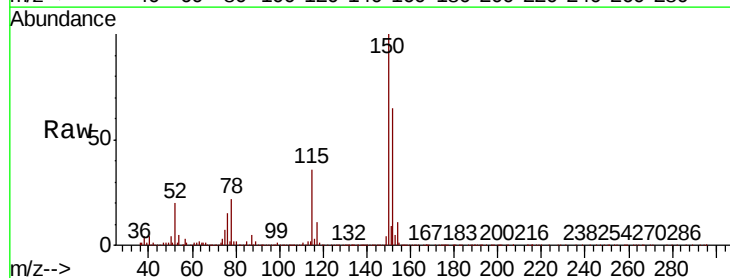


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

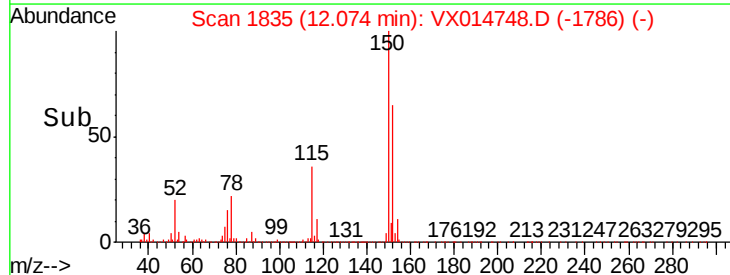
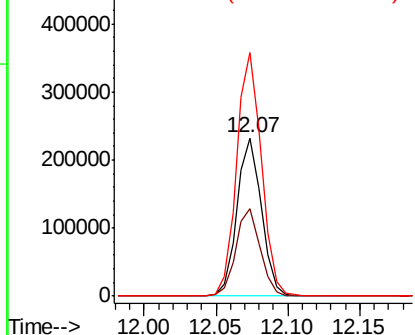


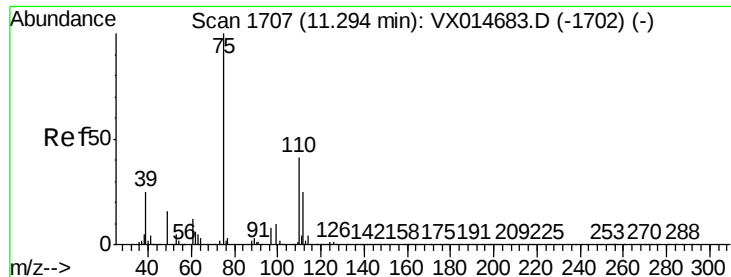
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014748.D
Acq: 28 Jan 2020 13:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	39.4	118.1
150	156.1	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: 20.626 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014748.D

Acq: 28 Jan 2020 13:57

Instrument :

MSVOA_X

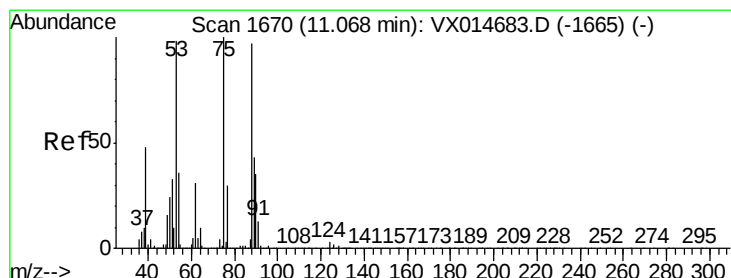
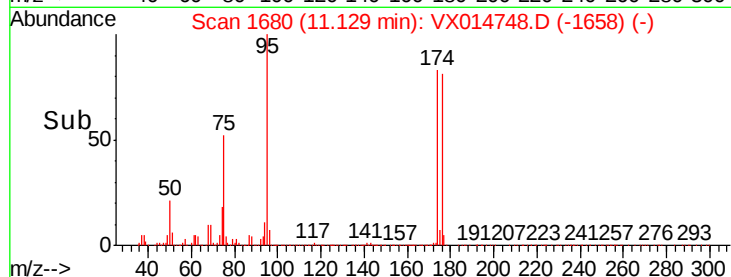
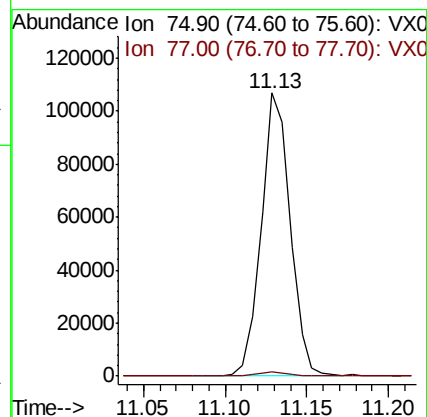
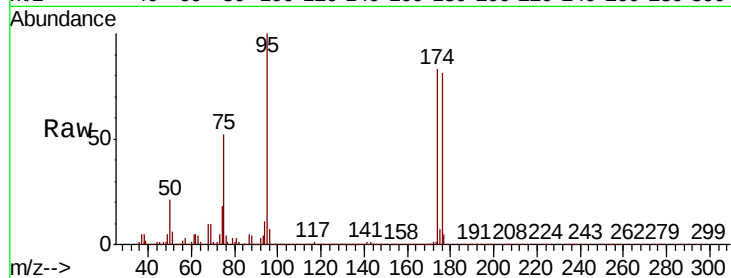
ClientSampleId :

Tot Ion: 75 Resp: 132130

Ion Ratio Lower Upper

75 100

77 1.4 18.7 56.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.696 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014748.D

Acq: 28 Jan 2020 13:57

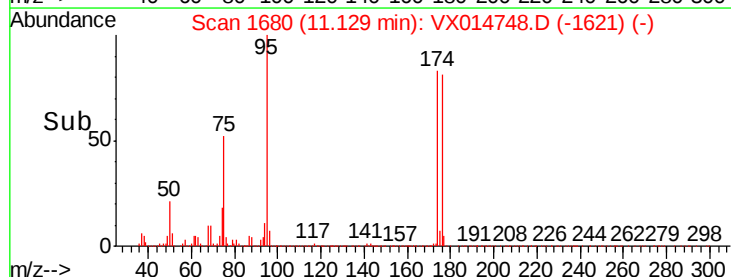
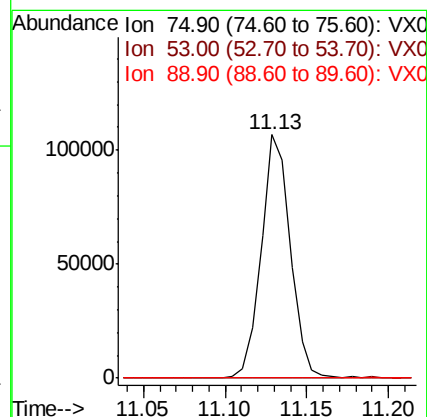
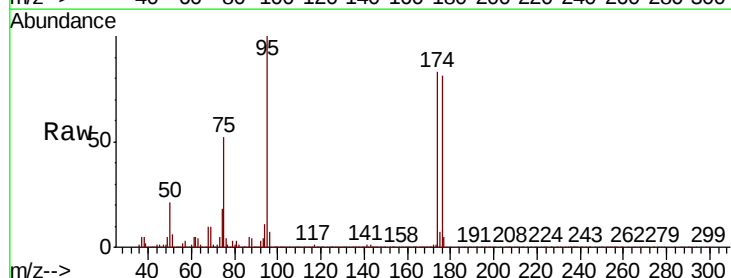
Tgt Ion: 75 Resp: 132130

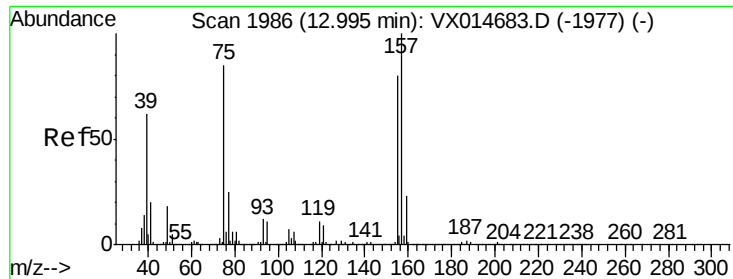
Ion Ratio Lower Upper

75 100

53 0.3 78.8 118.2#

89 0.1 35.4 53.0#

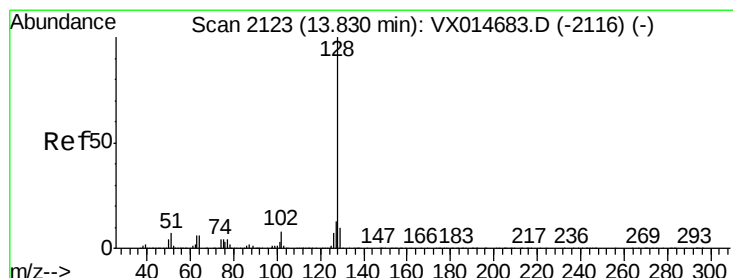
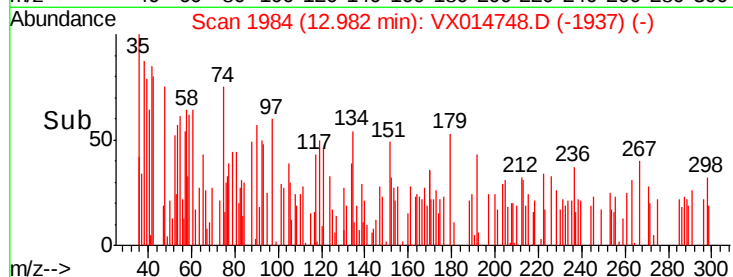
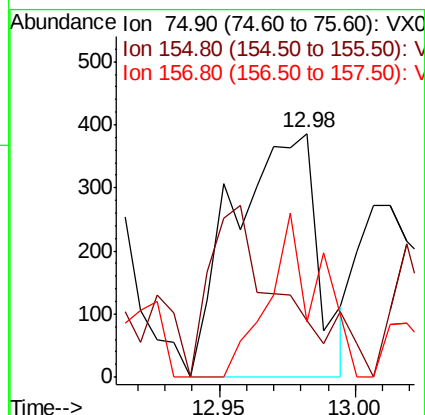
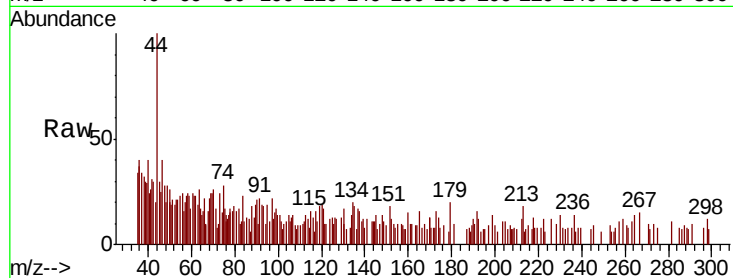




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.558 ug/l
 RT: 12.98 min Scan# 1984
 Delta R.T. -0.01 min
 Lab File: VX014748.D
 Acq: 28 Jan 2020 13:57

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 75 Resp: 828
 Ion Ratio Lower Upper
 75 100
 155 0.0 45.6 136.9#
 157 40.8 60.3 180.9#



#95
 Naphthalene
 Concen: 0.977 ug/l
 RT: 13.84 min Scan# 2124
 Delta R.T. 0.01 min
 Lab File: VX014748.D
 Acq: 28 Jan 2020 13:57

Tgt Ion: 128 Resp: 902
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 13.7 8.6 12.8#

