

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012720\
 Data File : VX014734.D
 Acq On : 27 Jan 2020 18:14
 Operator : JC/SP
 Sample : PB126348ZHE#09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 28 03:18:42 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	441266	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	698408	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	646548	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	291747	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	253523	49.20	ug/l	0.00
Spiked Amount			Recovery	=	98.40%	
35) Dibromofluoromethane	5.49	113	213387	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	
50) Toluene-d8	8.71	98	857858	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	
62) 4-Bromofluorobenzene	11.13	95	288821	47.86	ug/l	0.00
Spiked Amount			Recovery	=	95.72%	

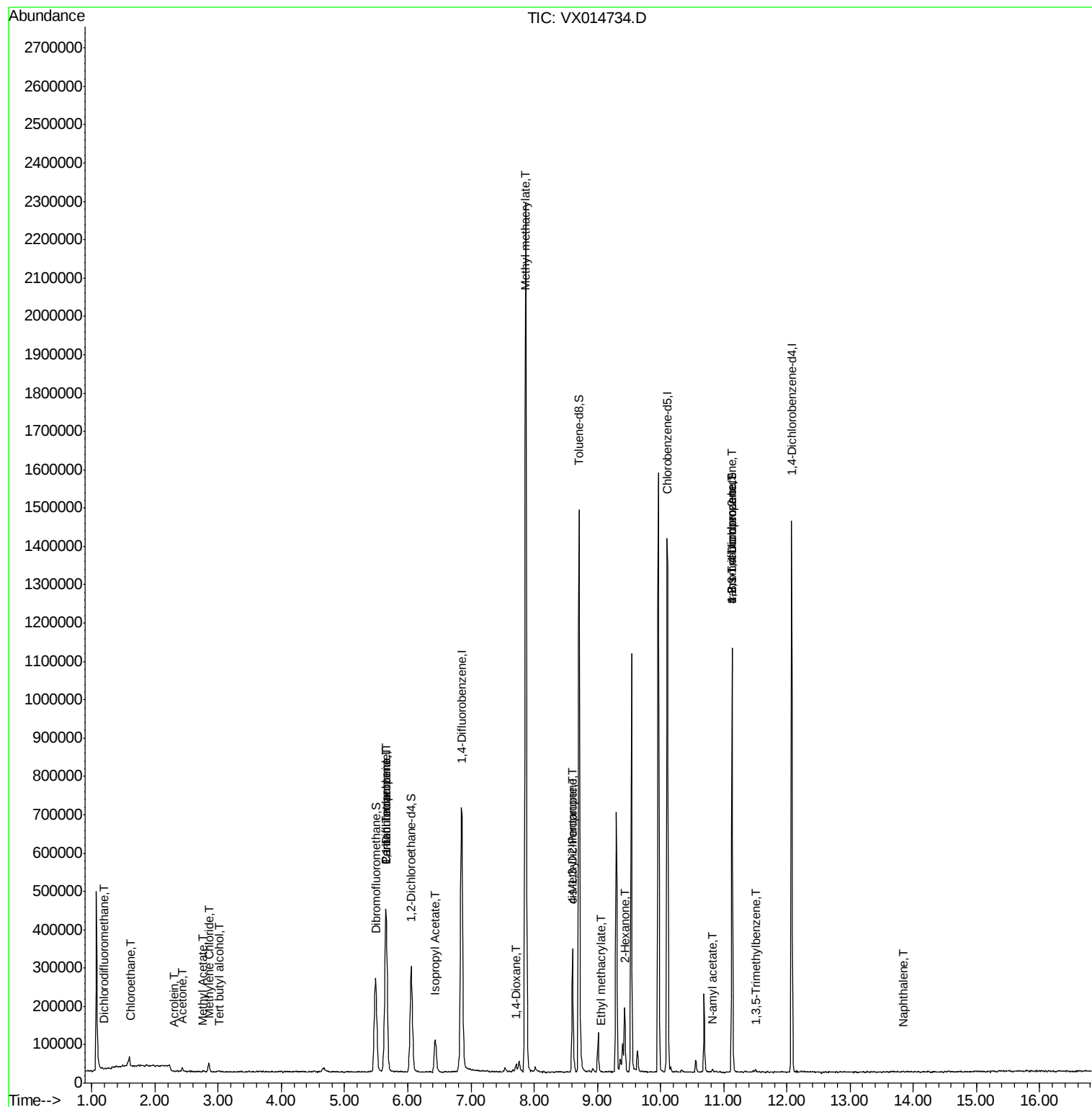
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	184	0.562	ug/l	80
6) Chloroethane	1.62	64	7404	0.639	ug/l #	43
11) Tert butyl alcohol	3.01	59	1576	1.362	ug/l #	93
13) Acrolein	2.30	56	1037	1.137	ug/l #	63
16) Acetone	2.43	43	10915	4.013	ug/l	93
18) Methyl Acetate	2.76	43	4678	0.580	ug/l #	66
20) Methylene Chloride	2.85	84	11718	2.242	ug/l	95
36) 1,1-Dichloropropene	5.65	75	30270	4.664	ug/l #	52
38) Carbon Tetrachloride	5.65	117	39522	6.377	ug/l #	16
41) Methacrylonitrile	5.03	41	108	Below Cal	#	1
43) Isopropyl Acetate	6.44	43	115310	9.474	ug/l	98
48) Methyl methacrylate	7.86	41	195914	33.688	ug/l #	45
49) 1,4-Dioxane	7.72	88	327	2.653	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	109609	14.268	ug/l #	50
54) cis-1,3-Dichloropropene	8.61	75	50633	6.514	ug/l #	61
56) Ethyl methacrylate	9.05	69	281	1.816	ug/l #	23
59) 2-Hexanone	9.43	43	140176	23.515	ug/l #	24
74) N-amyl acetate	10.82	43	4092	0.455	ug/l #	53
76) 1,2,3-Trichloropropane	11.13	75	143359	21.120	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.50	105	4180	0.246	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.13	75	143359	60.105	ug/l #	10
95) Naphthalene	13.83	128	411	0.951	ug/l #	1

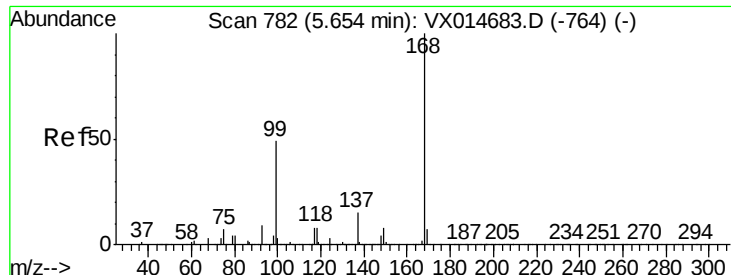
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX012720\
Data File : VX014734.D
Acq On : 27 Jan 2020 18:14
Operator : JC/SP
Sample : PB126348ZHE#09
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jan 28 03:18:42 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# 782

Delta R.T. 0.00 min

Lab File: VX014734.D

Acq: 27 Jan 2020 18:14

Instrument :

MSVOA_X

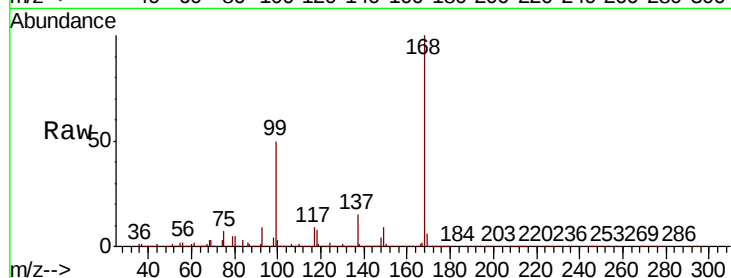
ClientSampleId :

Tot Ion:168 Resp: 441266

Ion Ratio Lower Upper

168 100

99 50.3 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

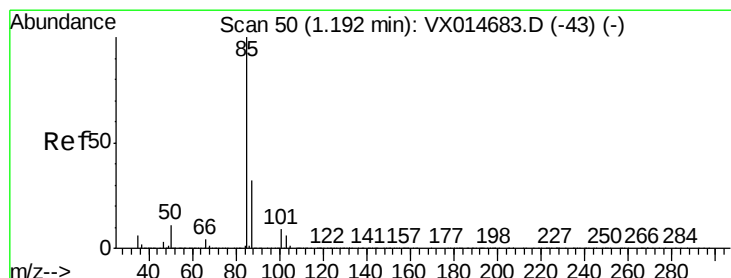
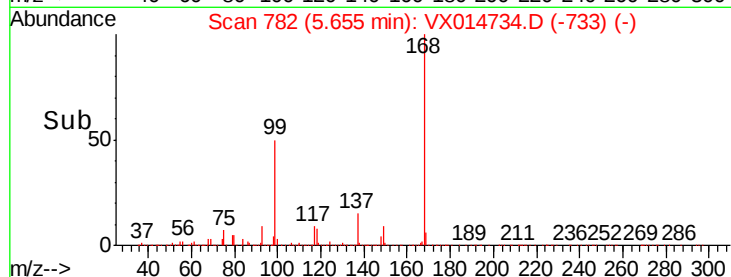
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.562 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014734.D

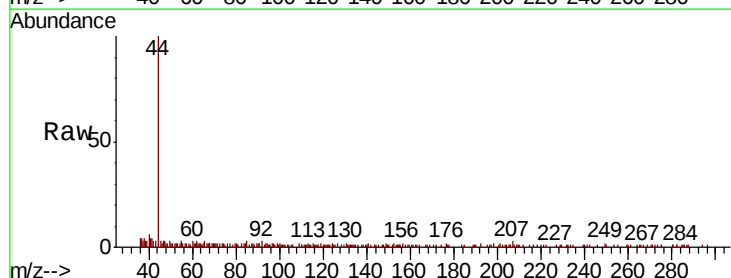
Acq: 27 Jan 2020 18:14

Tgt Ion: 85 Resp: 184

Ion Ratio Lower Upper

85 100

87 20.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

400

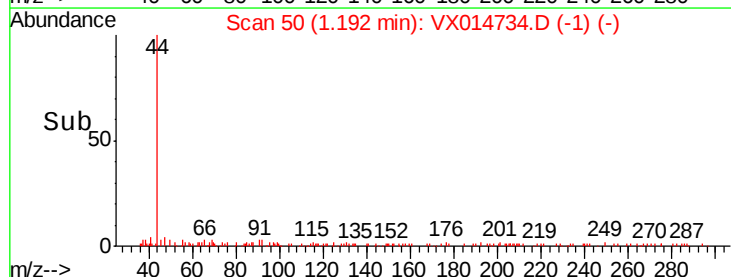
300

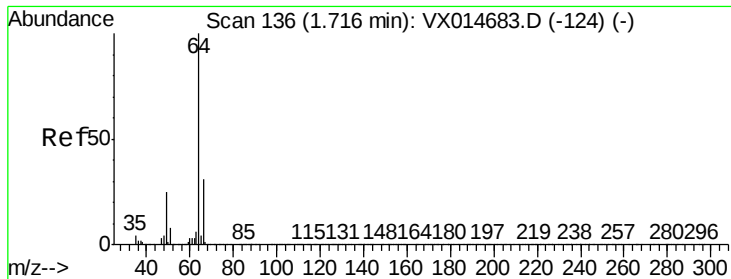
200

100

0

Time-->





#6

Chloroethane

Concen: 0.639 ug/l

RT: 1.62 min Scan# 120

Delta R.T. -0.10 min

Lab File: VX014734.D

Acq: 27 Jan 2020 18:14

Instrument :

MSVOA_X

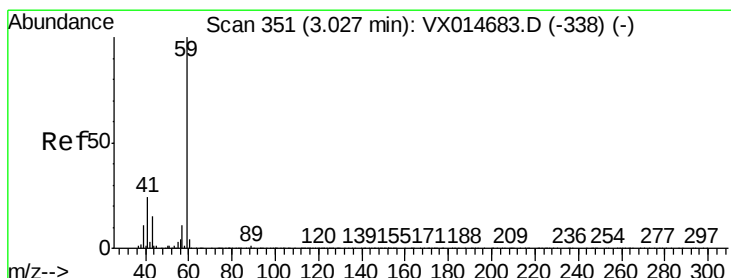
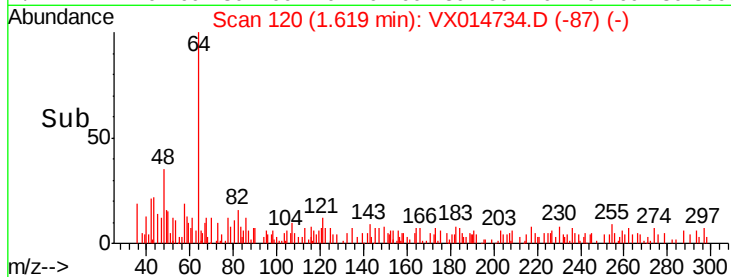
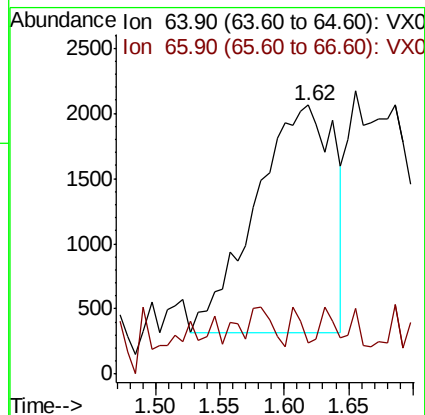
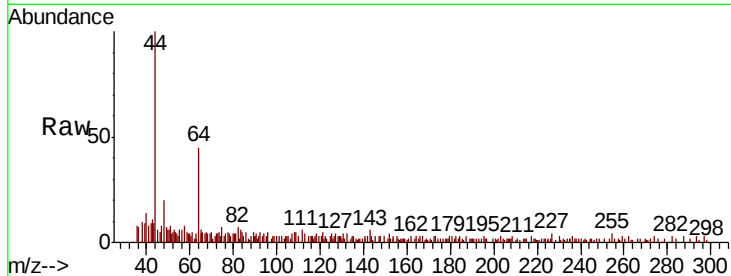
ClientSampled :

Tot Ion: 64 Resp: 7404

Ion Ratio Lower Upper

64 100

66 0.0 25.2 37.8#



#11

Tert butyl alcohol

Concen: 1.362 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.01 min

Lab File: VX014734.D

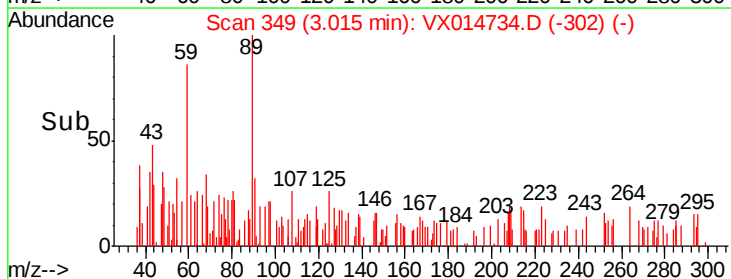
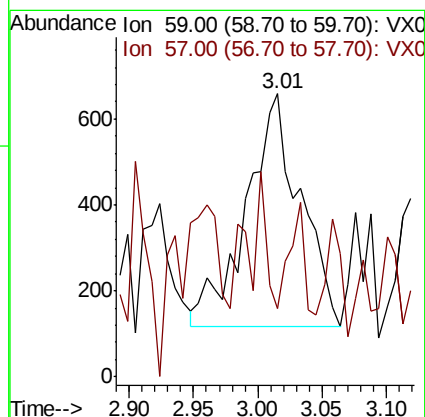
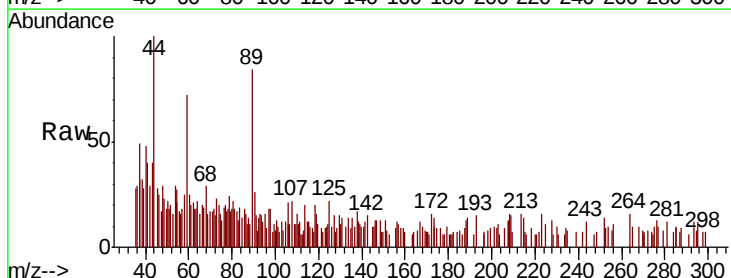
Acq: 27 Jan 2020 18:14

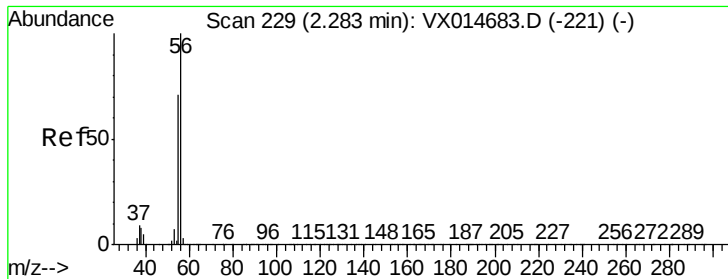
Tgt Ion: 59 Resp: 1576

Ion Ratio Lower Upper

59 100

57 12.9 8.3 12.5#

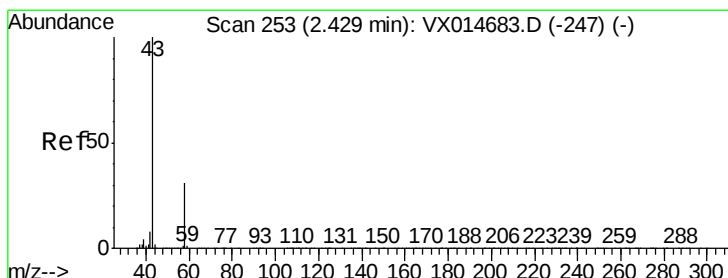
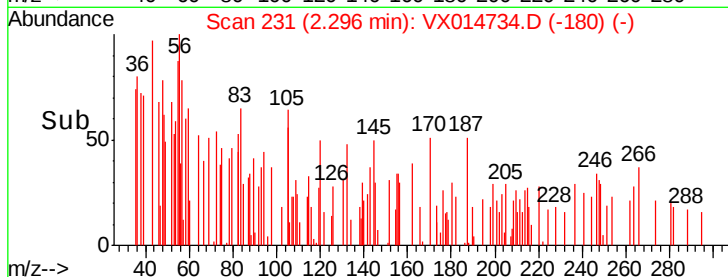
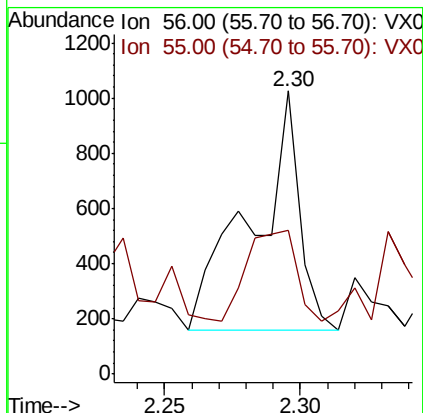
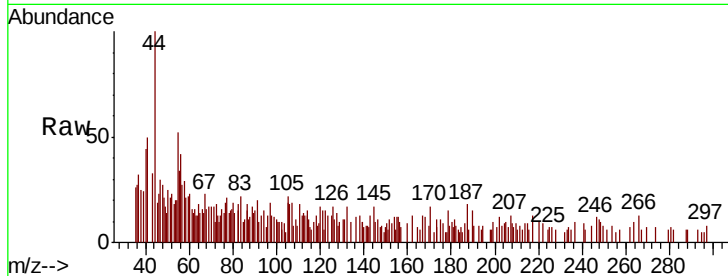




#13
Acrolein
Concen: 1.137 ug/l
RT: 2.30 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX014734.D
Acq: 27 Jan 2020 18:14

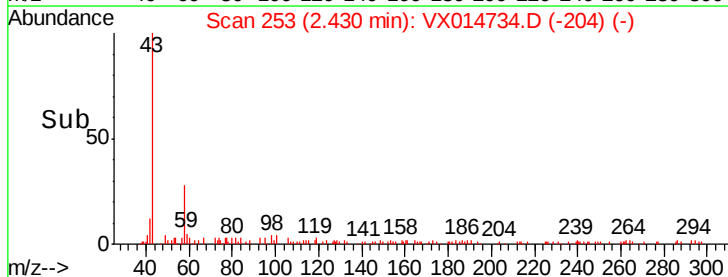
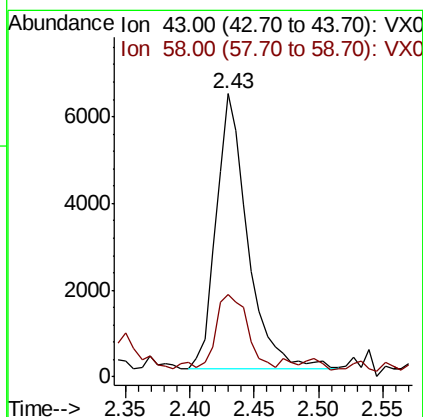
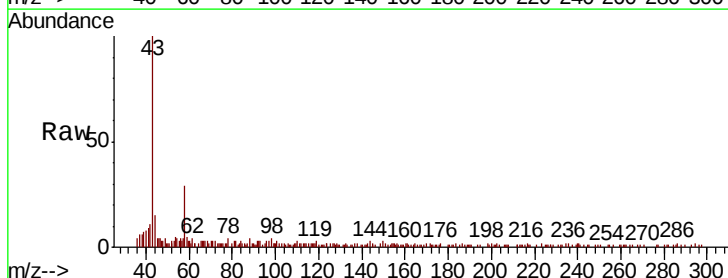
Instrument :
MSVOA_X
ClientSampled :

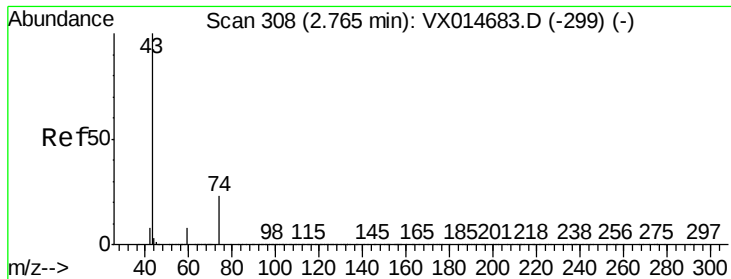
Tot Ion: 56 Resp: 1037
Ion Ratio Lower Upper
56 100
55 39.9 56.6 84.8#



#16
Acetone
Concen: 4.013 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX014734.D
Acq: 27 Jan 2020 18:14

Tgt Ion: 43 Resp: 10915
Ion Ratio Lower Upper
43 100
58 26.7 24.5 36.7





#18

Methyl Acetate

Concen: 0.580 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX014734.D

Acq: 27 Jan 2020 18:14

Instrument :

MSVOA_X

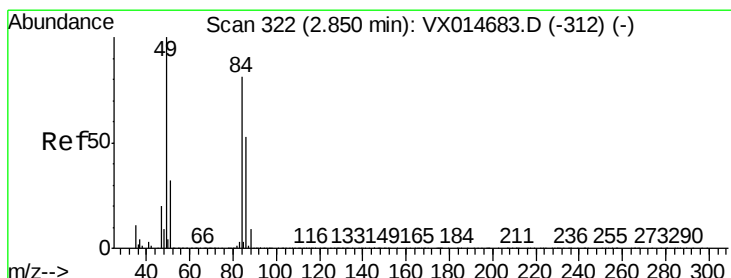
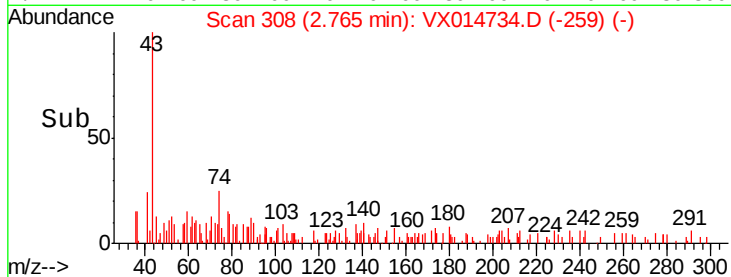
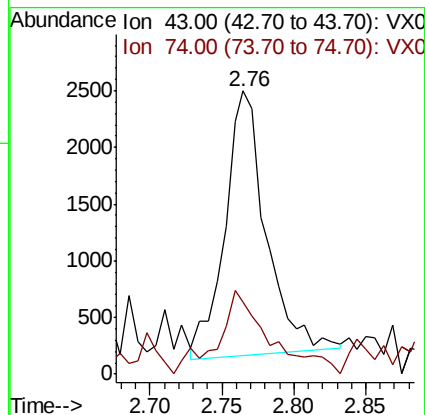
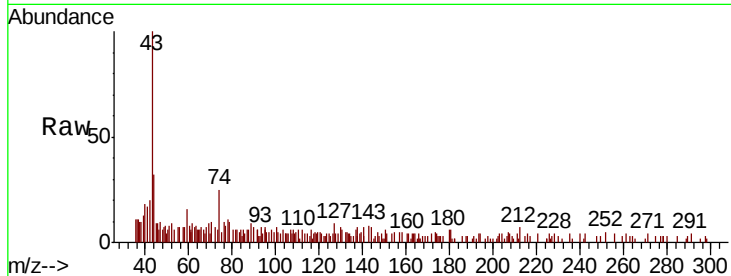
ClientSampled :

Tot Ion: 43 Resp: 4678

Ion Ratio Lower Upper

43 100

74 39.7 18.5 27.7#



#20

Methylene Chloride

Concen: 2.242 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.00 min

Lab File: VX014734.D

Acq: 27 Jan 2020 18:14

Tgt Ion: 84 Resp: 11718

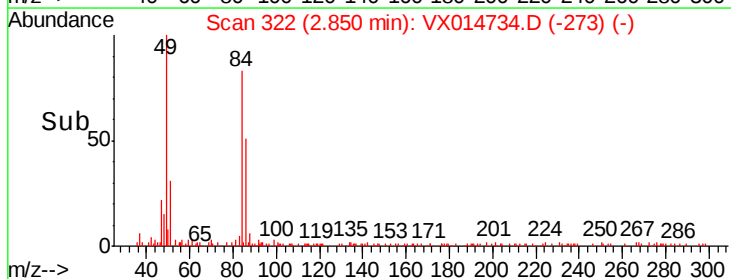
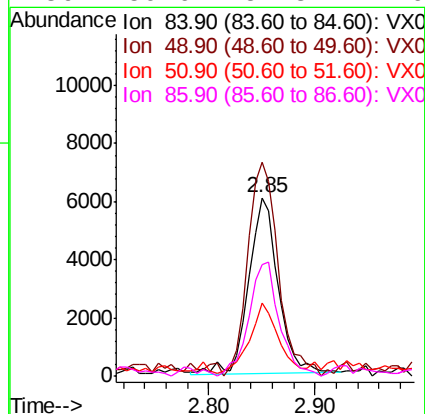
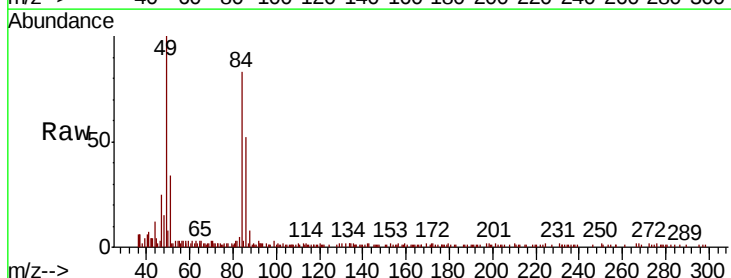
Ion Ratio Lower Upper

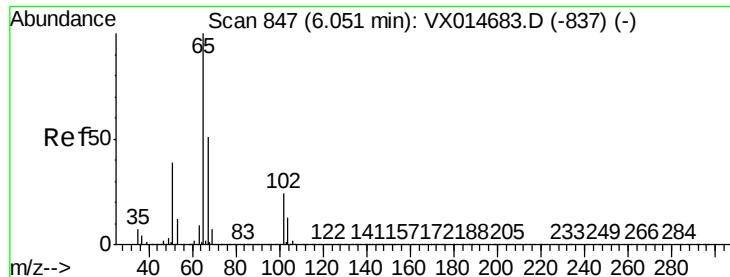
84 100

49 116.8 98.2 147.4

51 38.9 31.3 46.9

86 59.6 51.8 77.6





#33

1,2-Dichloroethane-d4

Concen: 49.200 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX014734.D

Acq: 27 Jan 2020 18:14

Instrument :

MSVOA_X

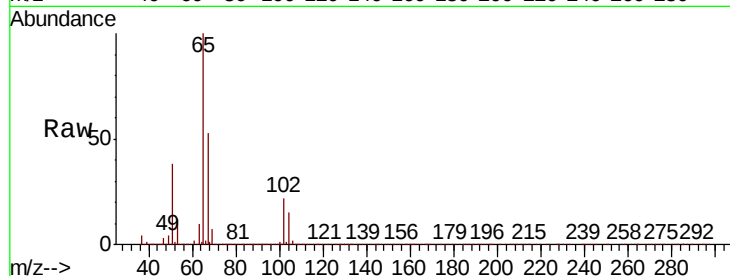
ClientSampleId :

Tot Ion: 65 Resp: 253523

Ion Ratio Lower Upper

65 100

67 53.5 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

100000

80000

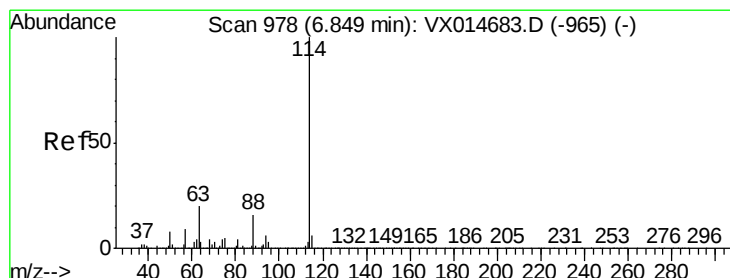
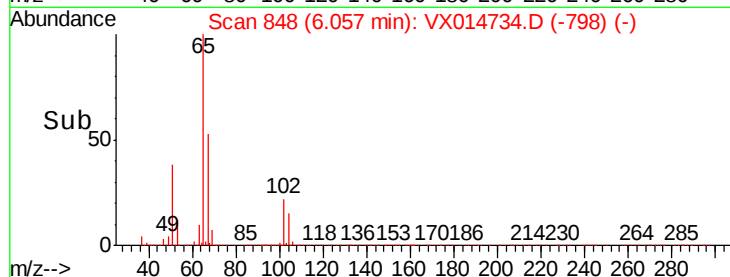
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014734.D

Acq: 27 Jan 2020 18:14

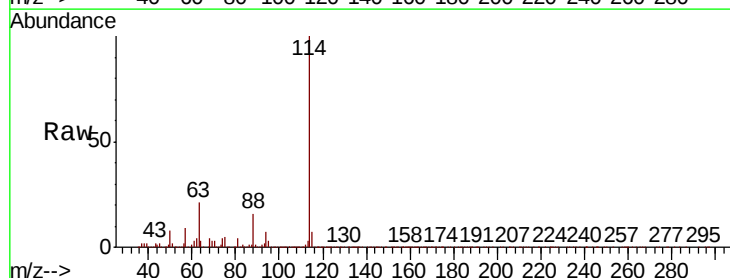
Tgt Ion: 114 Resp: 698408

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.6

88 15.6 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

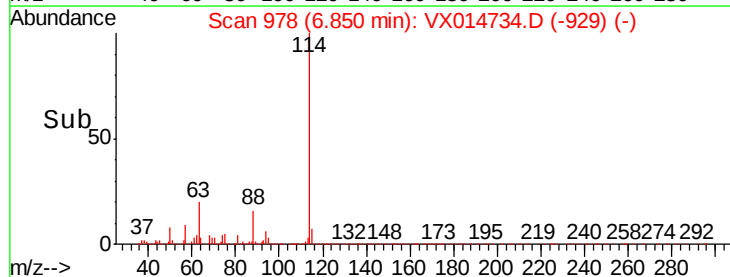
300000

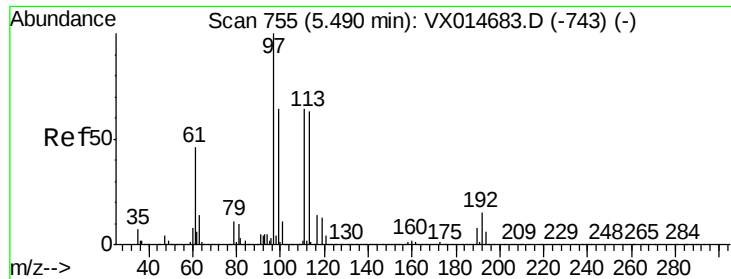
200000

100000

0

Time-->

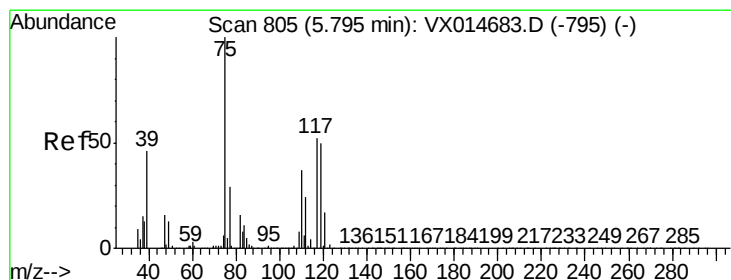
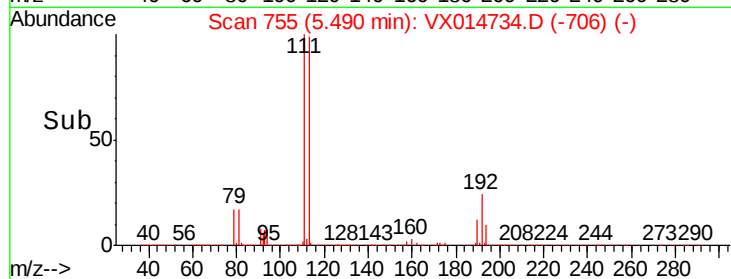
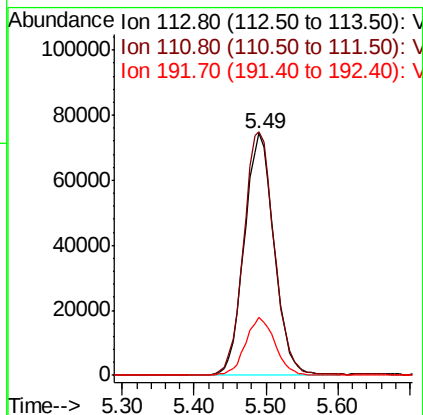
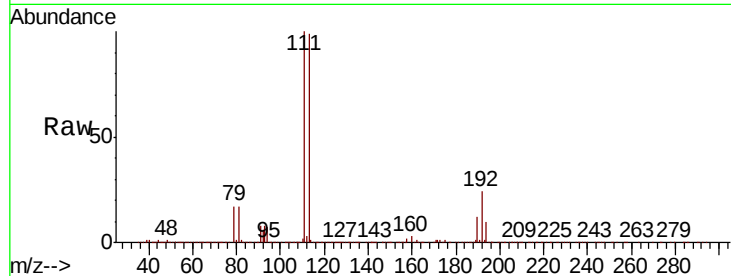




#35
 Dibromofluoromethane
 Concen: 48.421 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014734.D
 Acq: 27 Jan 2020 18:14

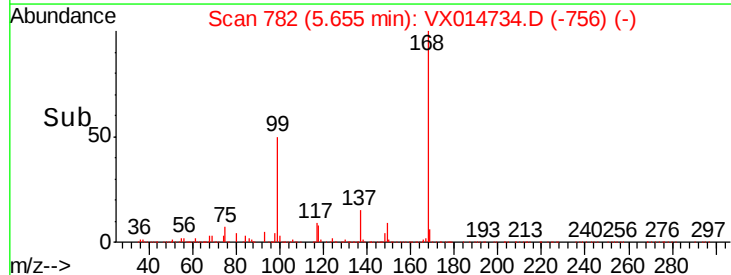
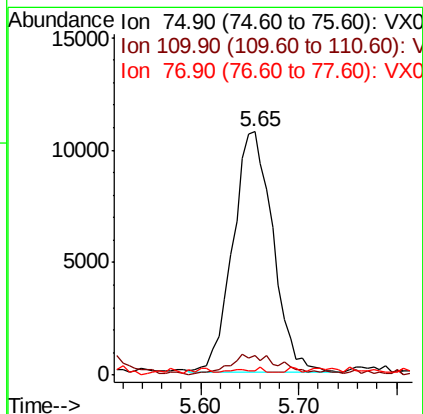
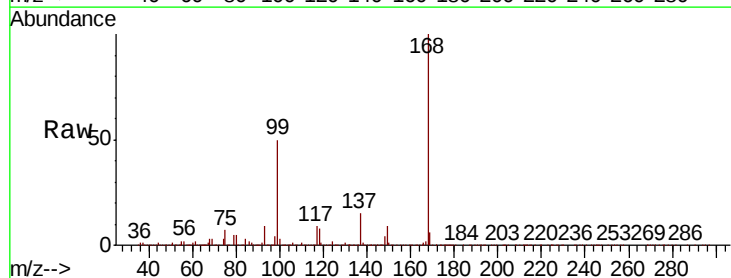
Instrument :
 MSVOA_X
 ClientSampleId :

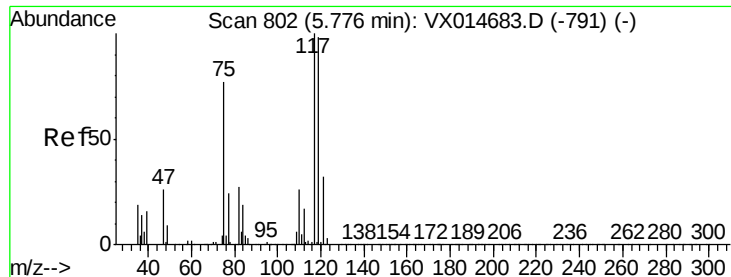
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.7	121.1
192	23.6	18.5	27.7



#36
 1,1-Dichloropropene
 Concen: 4.664 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX014734.D
 Acq: 27 Jan 2020 18:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.0	17.9	53.7#
77	0.6	24.1	36.1#





#38

Carbon Tetrachloride

Concen: 6.377 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014734.D

Acq: 27 Jan 2020 18:14

Instrument :

MSVOA_X

ClientSampleId :

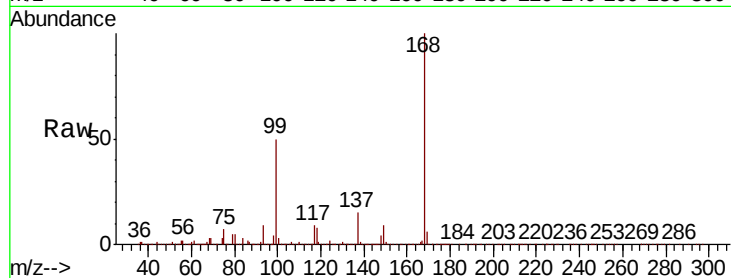
Tot Ion:117 Resp: 39522

Ion Ratio Lower Upper

117 100

119 6.2 77.9 116.9#

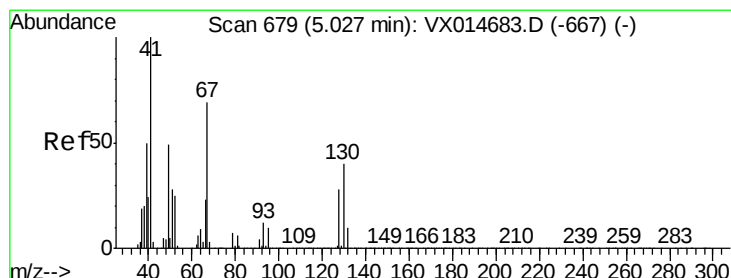
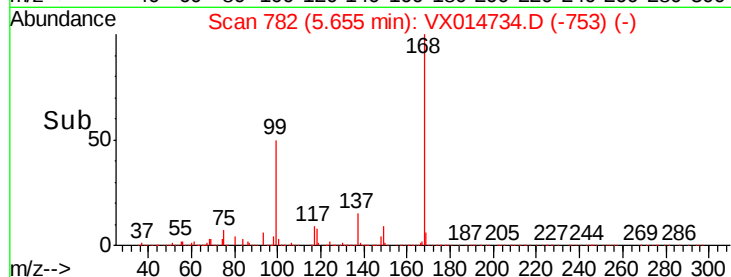
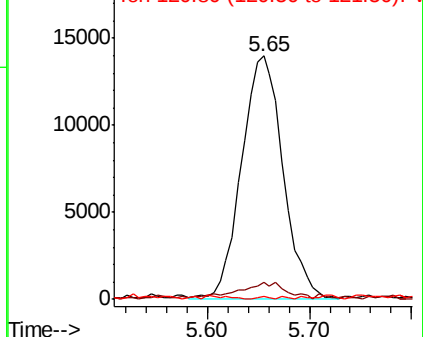
121 0.5 25.4 38.2#



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



#41

Methacrylonitrile

Concen: Below Cal

RT: 5.03 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX014734.D

Acq: 27 Jan 2020 18:14

Tgt Ion: 41 Resp: 108

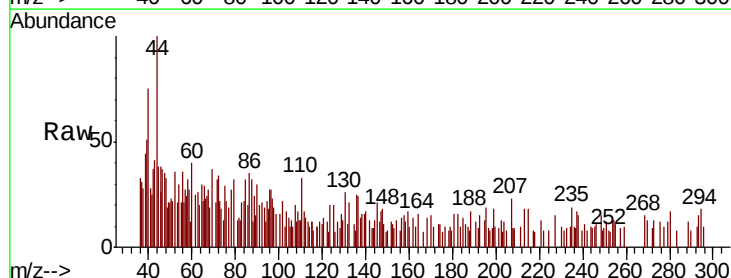
Ion Ratio Lower Upper

41 100

39 438.9 42.2 63.2#

67 696.3 55.4 83.0#

52 0.0 22.1 33.1#

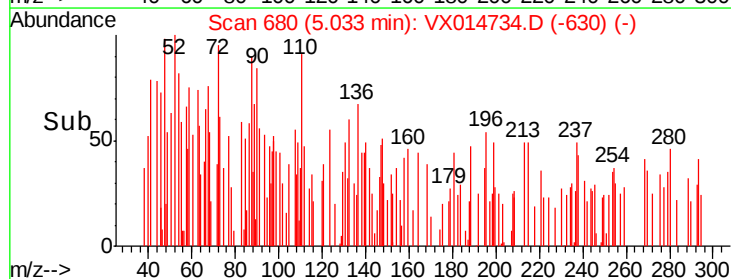
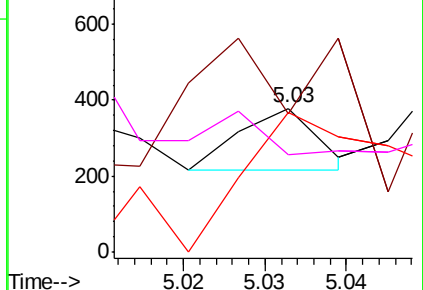


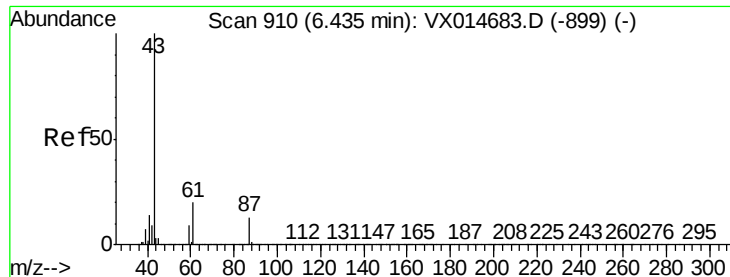
Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 9.474 ug/l

RT: 6.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX014734.D

Acq: 27 Jan 2020 18:14

Instrument :

MSVOA_X

ClientSampleId :

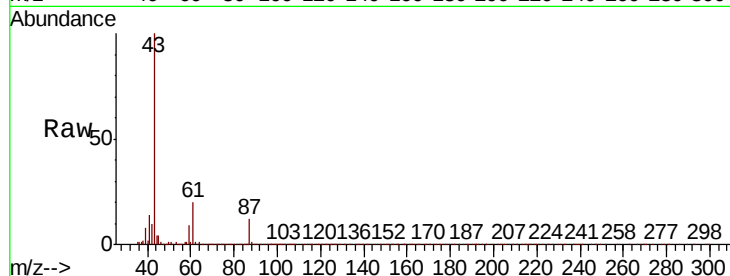
Tot Ion: 43 Resp: 115310

Ion Ratio Lower Upper

43 100

61 19.8 16.2 24.4

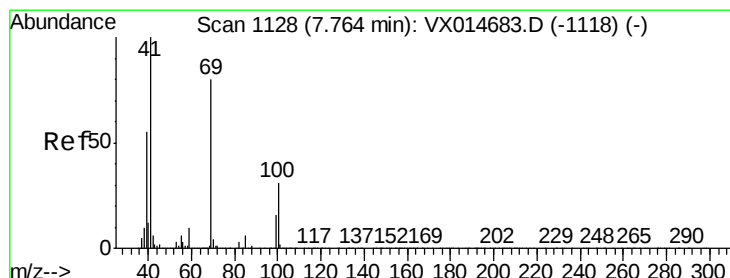
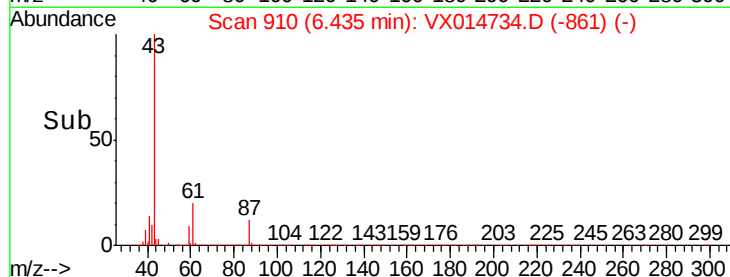
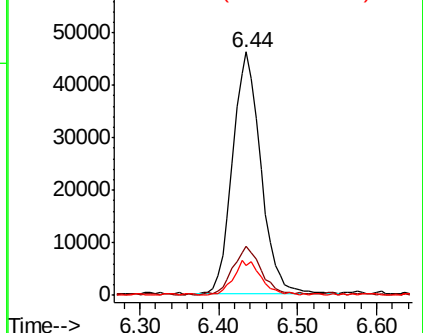
87 14.1 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#48

Methyl methacrylate

Concen: 33.688 ug/l

RT: 7.86 min Scan# 1144

Delta R.T. 0.10 min

Lab File: VX014734.D

Acq: 27 Jan 2020 18:14

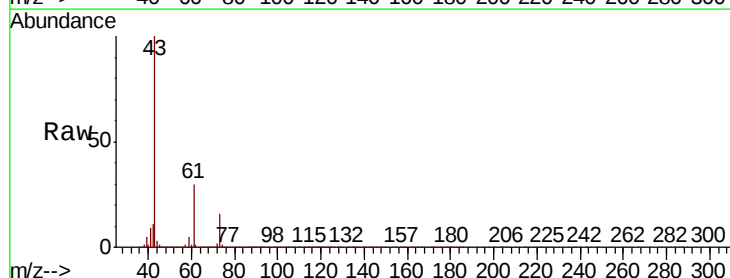
Tgt Ion: 41 Resp: 195914

Ion Ratio Lower Upper

41 100

69 0.2 63.5 95.3#

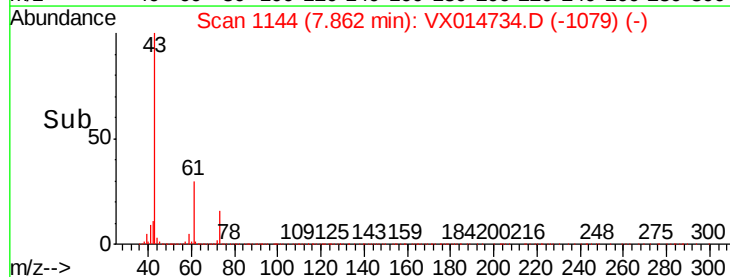
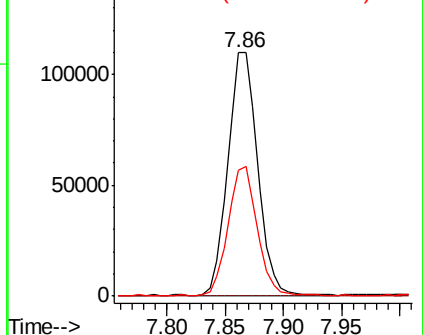
39 51.7 43.7 65.5

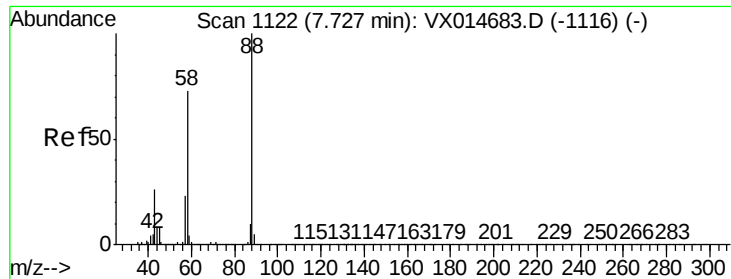


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 2.653 ug/l

RT: 7.72 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VX014734.D

Acq: 27 Jan 2020 18:14

Instrument :

MSVOA_X

ClientSampleId :

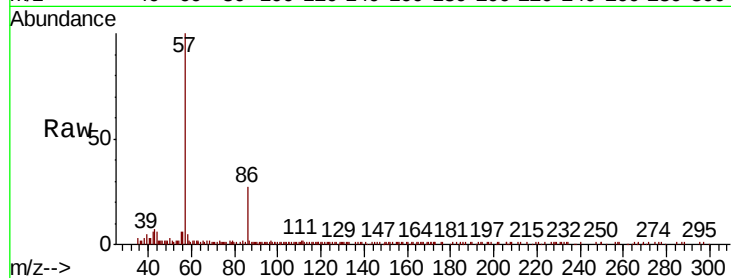
Tot Ion: 88 Resp: 327

Ion Ratio Lower Upper

88 100

43 0.0 26.2 39.2#

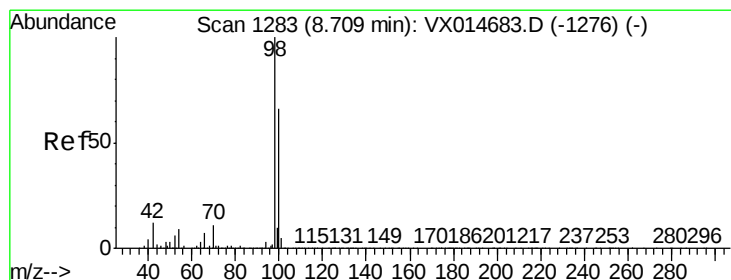
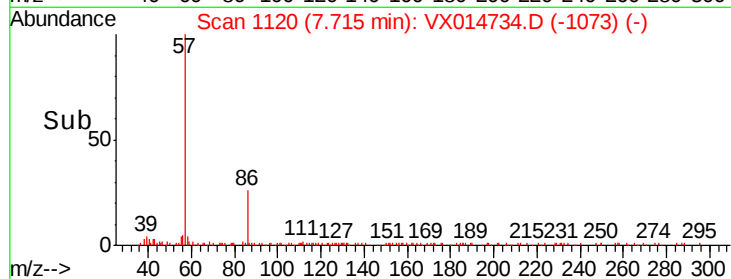
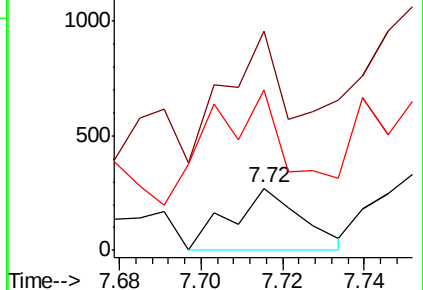
58 201.8 56.6 85.0#



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: 50.635 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014734.D

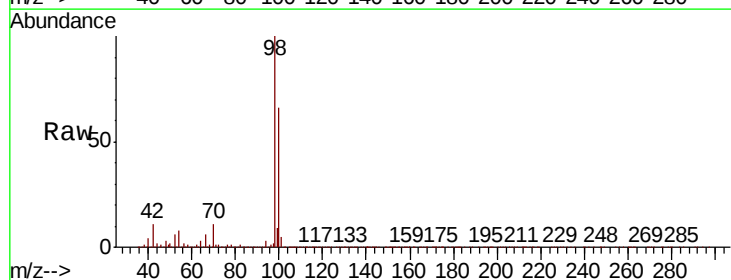
Acq: 27 Jan 2020 18:14

Tgt Ion: 98 Resp: 857858

Ion Ratio Lower Upper

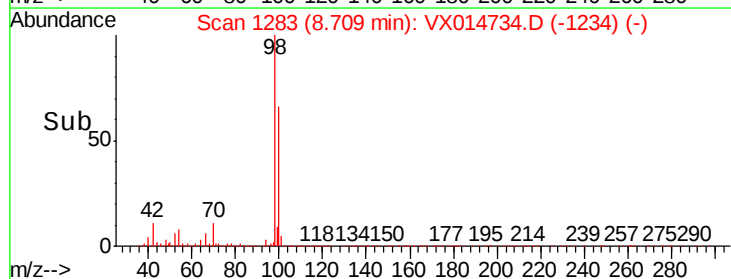
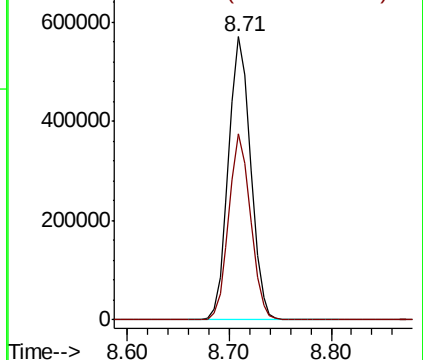
98 100

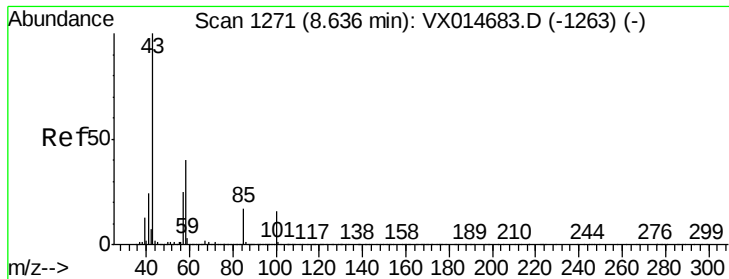
100 64.4 53.0 79.6



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: 14.268 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. -0.03 min

Lab File: VX014734.D

Acq: 27 Jan 2020 18:14

Instrument :

MSVOA_X

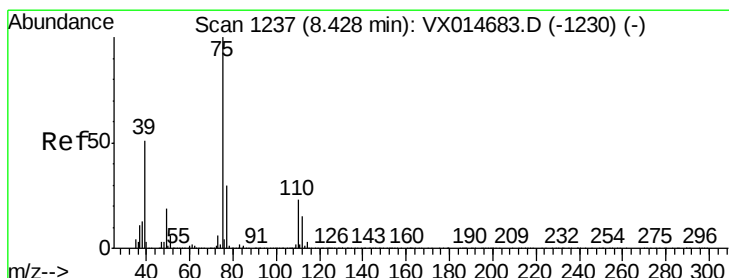
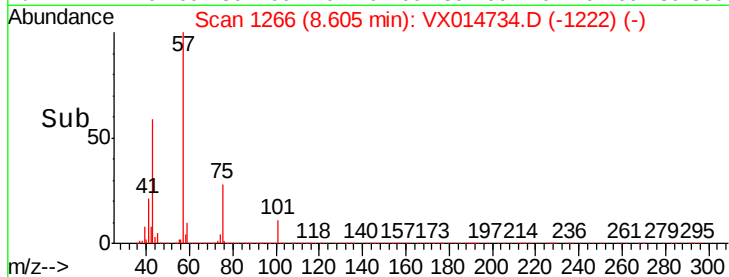
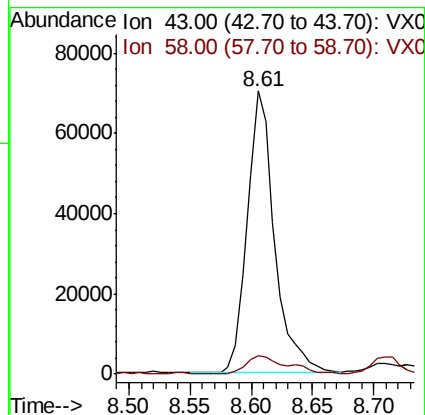
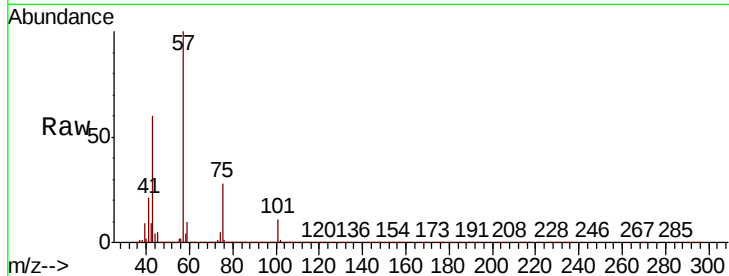
ClientSampleId :

Tot Ion: 43 Resp: 109609

Ion Ratio Lower Upper

43 100

58 9.0 31.6 47.4#



#54

cis-1,3-Dichloropropene

Concen: 6.514 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. 0.18 min

Lab File: VX014734.D

Acq: 27 Jan 2020 18:14

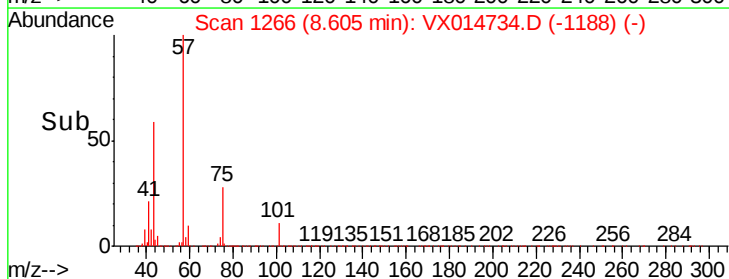
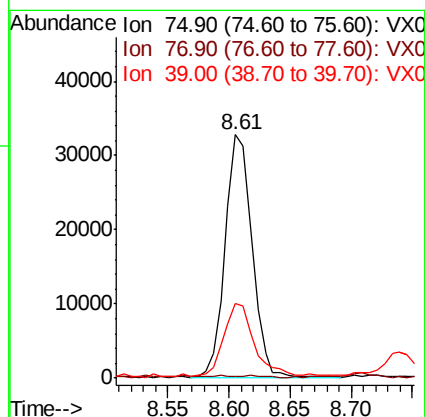
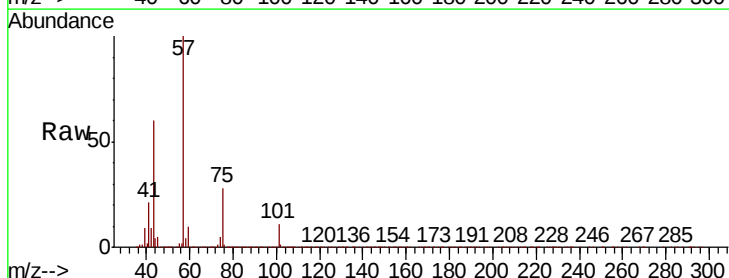
Tgt Ion: 75 Resp: 50633

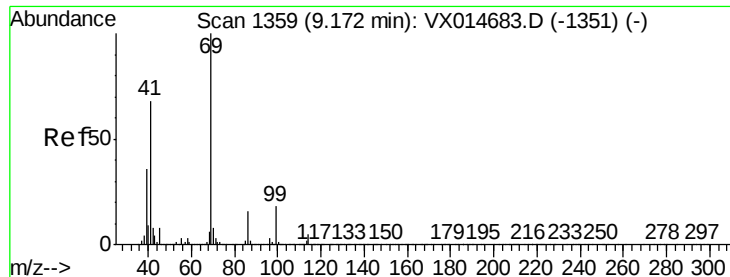
Ion Ratio Lower Upper

75 100

77 0.4 23.9 35.9#

39 29.8 40.9 61.3#





#56

Ethyl methacrylate

Concen: 1.816 ug/l

RT: 9.05 min Scan# 1339

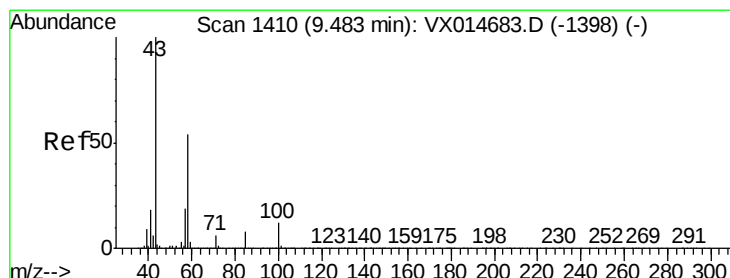
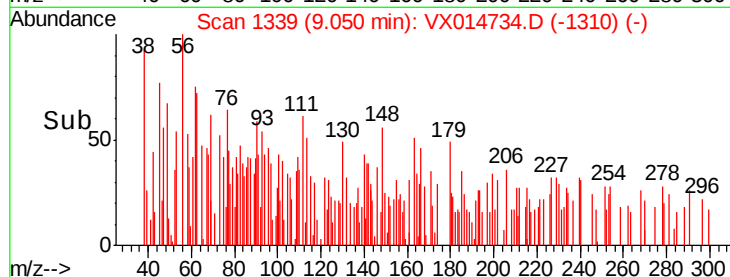
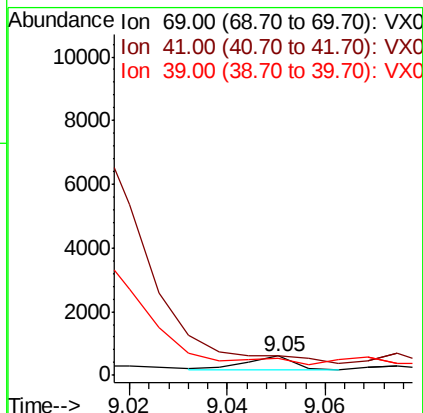
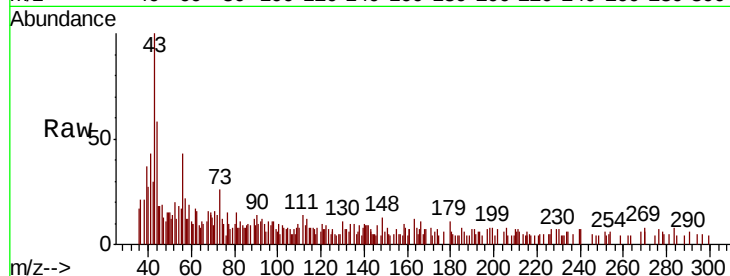
Delta R.T. -0.12 min

Lab File: VX014734.D

Acq: 27 Jan 2020 18:14

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	69	Resp:	281
Ion	Ratio	Lower	Upper
69	100		
41	0.0	54.9	82.3#
39	0.0	29.3	43.9#



#59

2-Hexanone

Concen: 23.515 ug/l

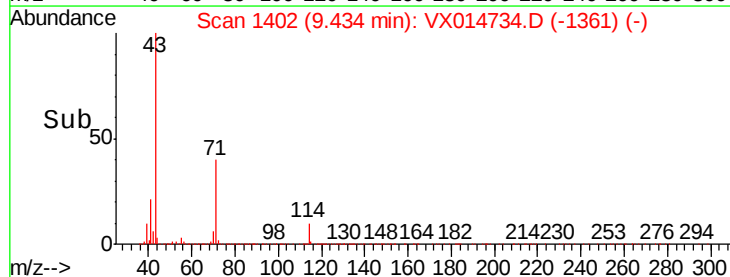
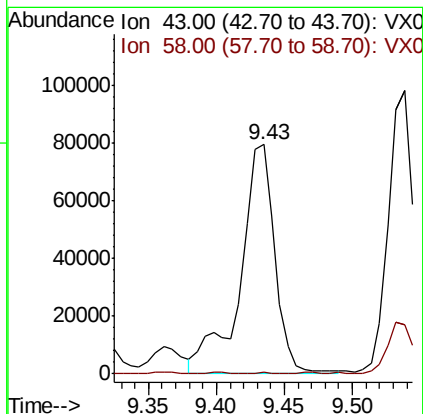
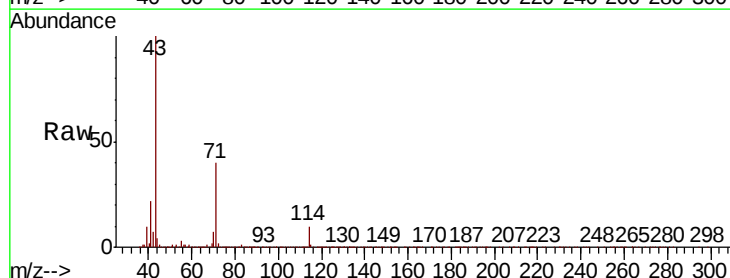
RT: 9.43 min Scan# 1402

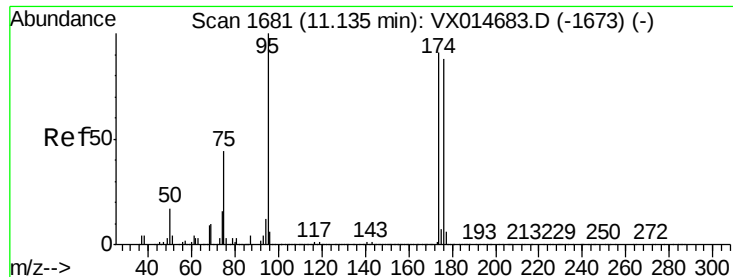
Delta R.T. -0.05 min

Lab File: VX014734.D

Acq: 27 Jan 2020 18:14

Tgt Ion:	43	Resp:	140176
Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.2	81.5#





#62

4-Bromofluorobenzene

Concen: 47.857 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014734.D

Acq: 27 Jan 2020 18:14

Instrument :

MSVOA_X

ClientSampleId :

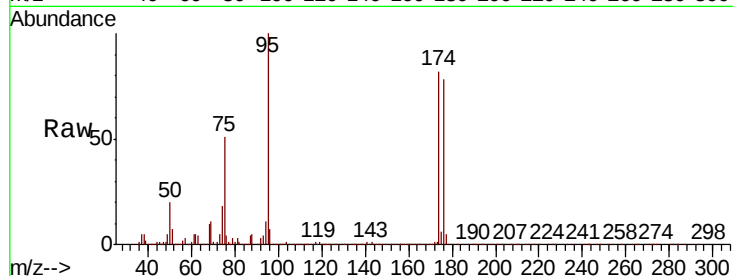
Tot Ion: 95 Resp: 288821

Ion Ratio Lower Upper

95 100

174 88.4 0.0 176.0

176 86.2 0.0 172.2

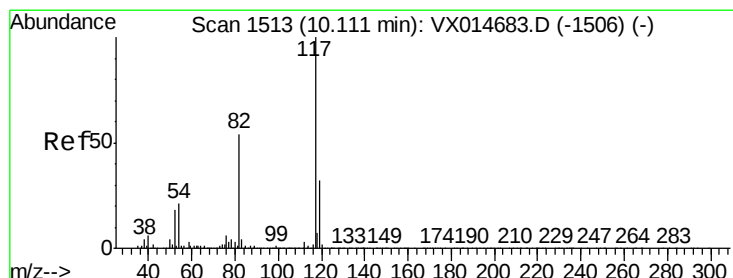
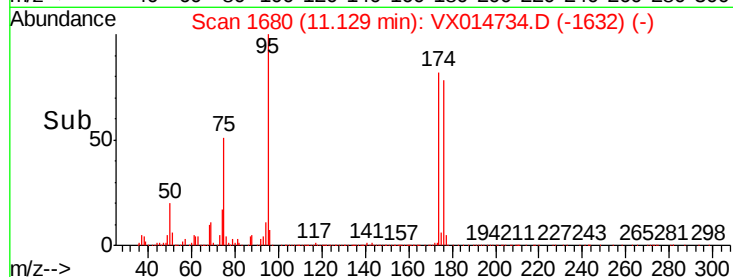


Abundance Ion 94.90 (94.60 to 95.60): VX014683.D (-1673) (-)

Ion 173.80 (173.50 to 174.50): VX014683.D (-1673) (-)

Ion 175.80 (175.50 to 176.50): VX014683.D (-1673) (-)

Time--> 11.00 11.10 11.20



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX014734.D

Acq: 27 Jan 2020 18:14

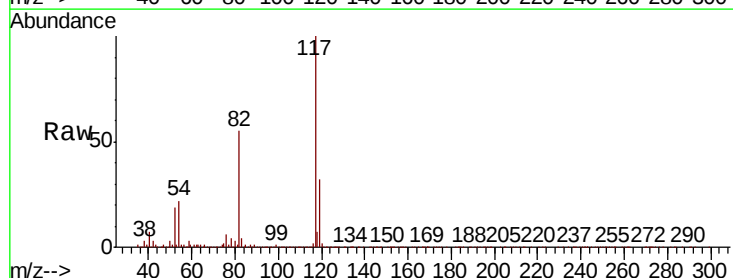
Tgt Ion: 117 Resp: 646548

Ion Ratio Lower Upper

117 100

82 55.3 43.2 64.8

119 32.0 25.8 38.6

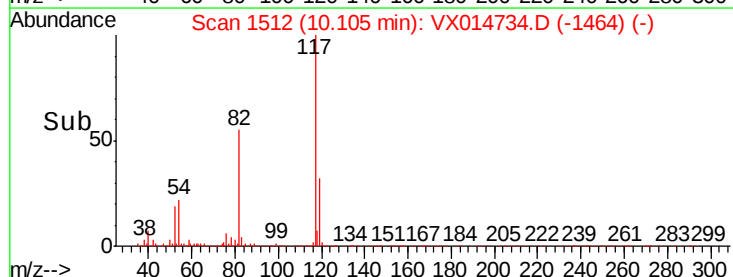


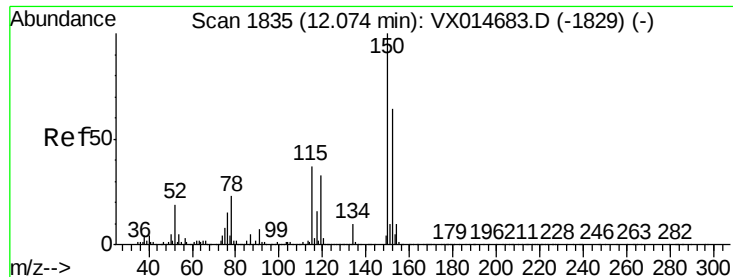
Abundance Ion 116.90 (116.60 to 117.60): VX014683.D (-1506) (-)

Ion 82.00 (81.70 to 82.70): VX014683.D (-1506) (-)

Ion 118.90 (118.60 to 119.60): VX014683.D (-1506) (-)

Time--> 10.10 10.20



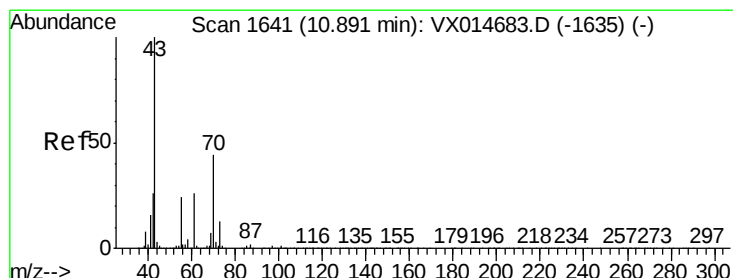
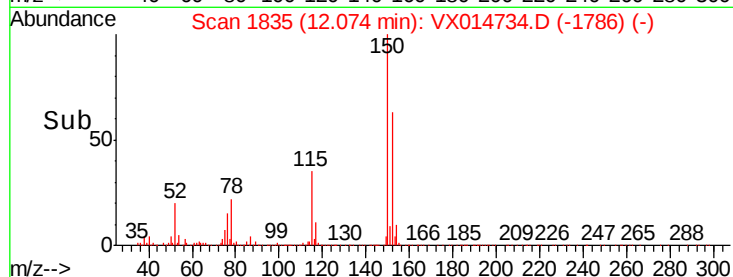
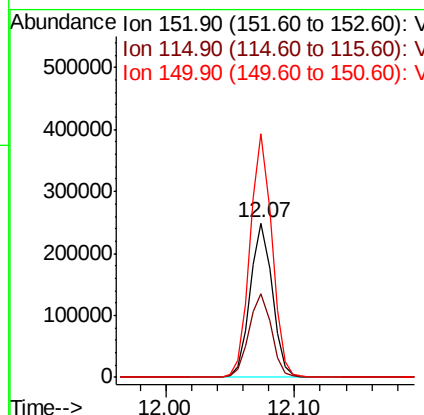
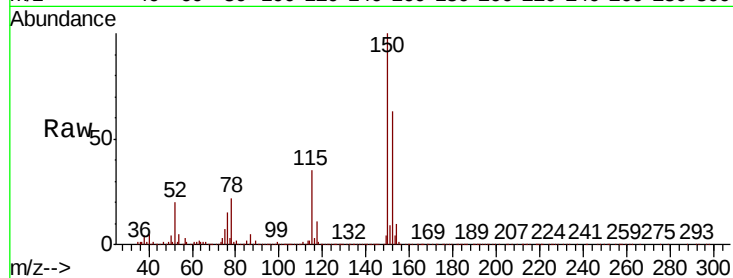


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014734.D
Acq: 27 Jan 2020 18:14

Instrument :
MSVOA_X
ClientSampleId :

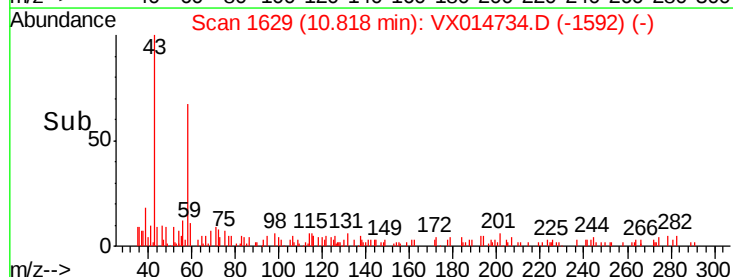
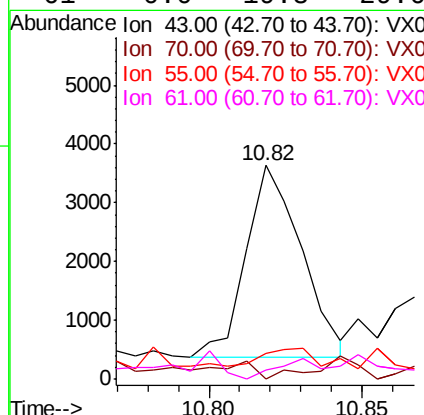
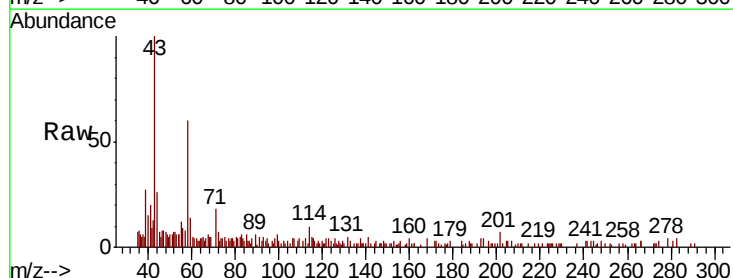
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.1	39.4	118.1
150	156.4	0.0	351.2

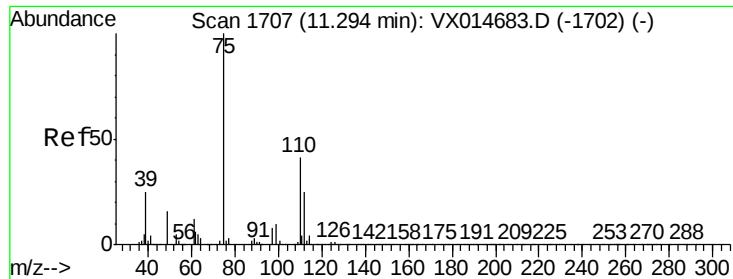


#74

N-ethyl acetate
Concen: 0.455 ug/l
RT: 10.82 min Scan# 1629
Delta R.T. -0.07 min
Lab File: VX014734.D
Acq: 27 Jan 2020 18:14

Tgt Ion	Ratio	Lower	Upper
43	100		
70	2.9	34.6	52.0#
55	16.0	19.4	29.2#
61	0.0	19.8	29.6#

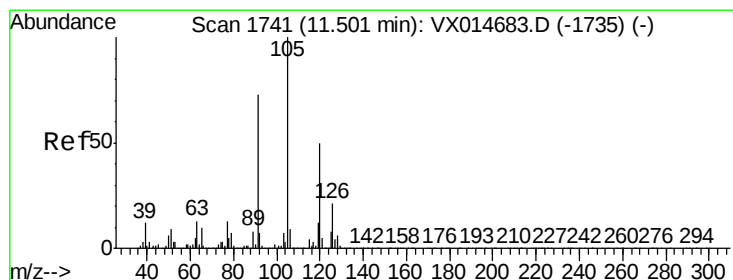
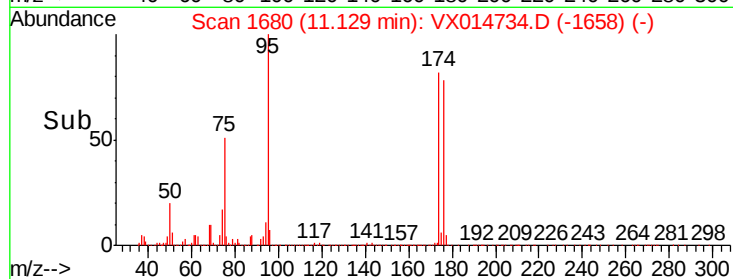
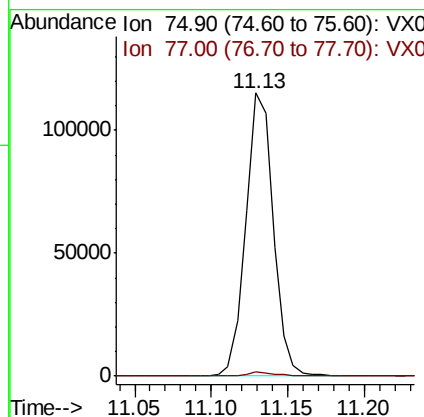
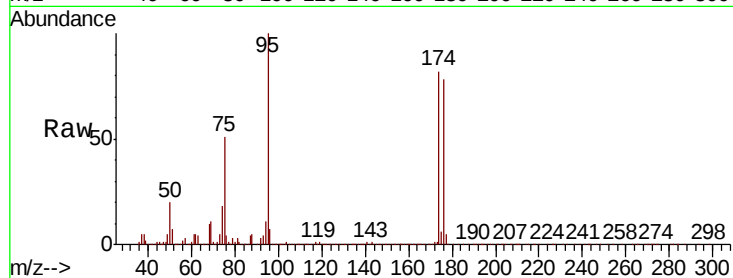




#76
 1,2,3-Trichloropropane
 Concen: 21.120 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX014734.D
 Acq: 27 Jan 2020 18:14

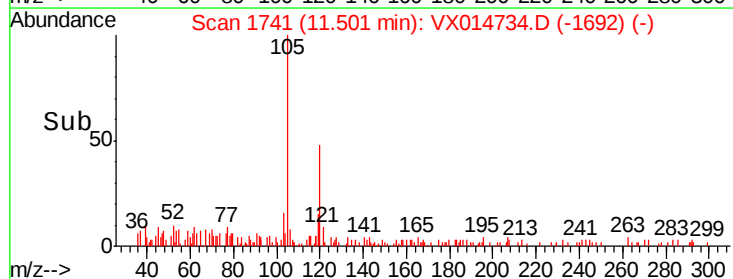
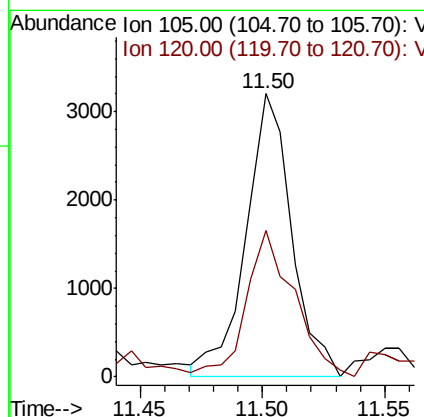
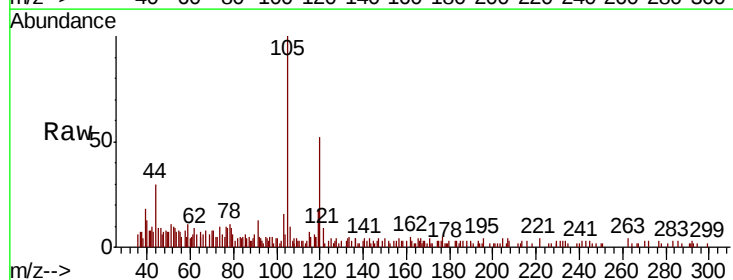
Instrument :
 MSVOA_X
 ClientSampleId :

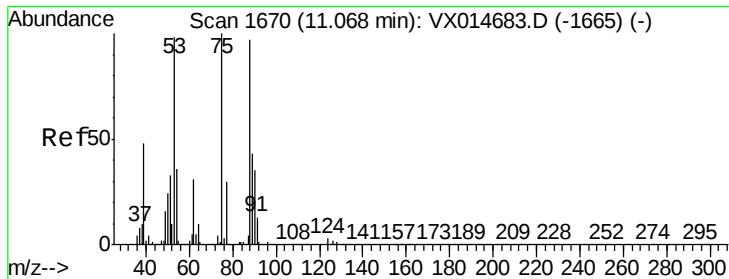
Tot Ion: 75 Resp: 143359
 Ion Ratio Lower Upper
 75 100
 77 1.4 18.7 56.1#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.246 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX014734.D
 Acq: 27 Jan 2020 18:14

Tgt Ion: 105 Resp: 4180
 Ion Ratio Lower Upper
 105 100
 120 54.4 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 60.105 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014734.D

Acq: 27 Jan 2020 18:14

Instrument :

MSVOA_X

ClientSampleId :

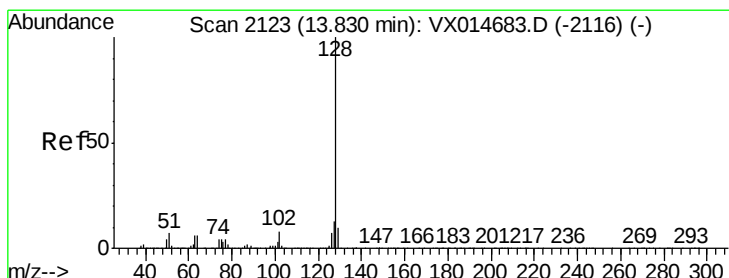
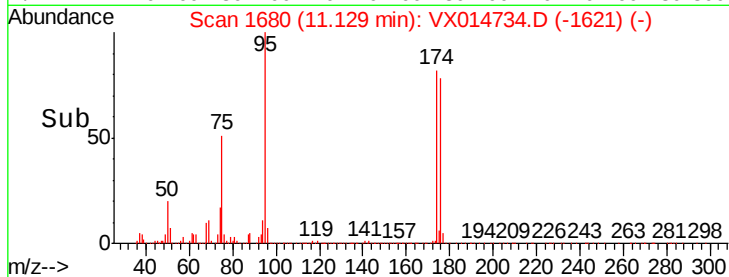
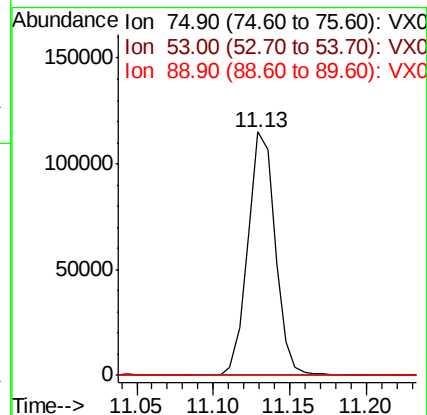
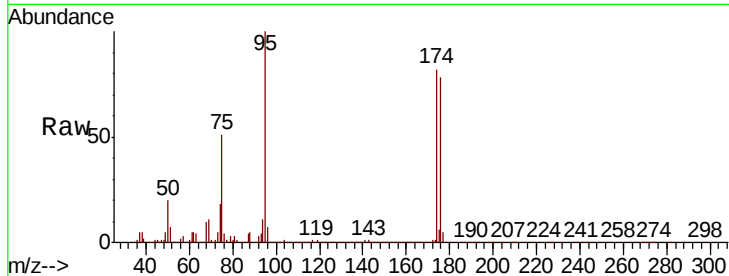
Tot Ion: 75 Resp: 143359

Ion Ratio Lower Upper

75 100

53 0.3 78.8 118.2#

89 0.0 35.4 53.0#



#95

Naphthalene

Concen: 0.951 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014734.D

Acq: 27 Jan 2020 18:14

Tgt Ion: 128 Resp: 411

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 107.5 8.6 12.8#

