

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012720\
 Data File : VX014729.D
 Acq On : 27 Jan 2020 16:17
 Operator : JC/SP
 Sample : L1245-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 28 03:17:30 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

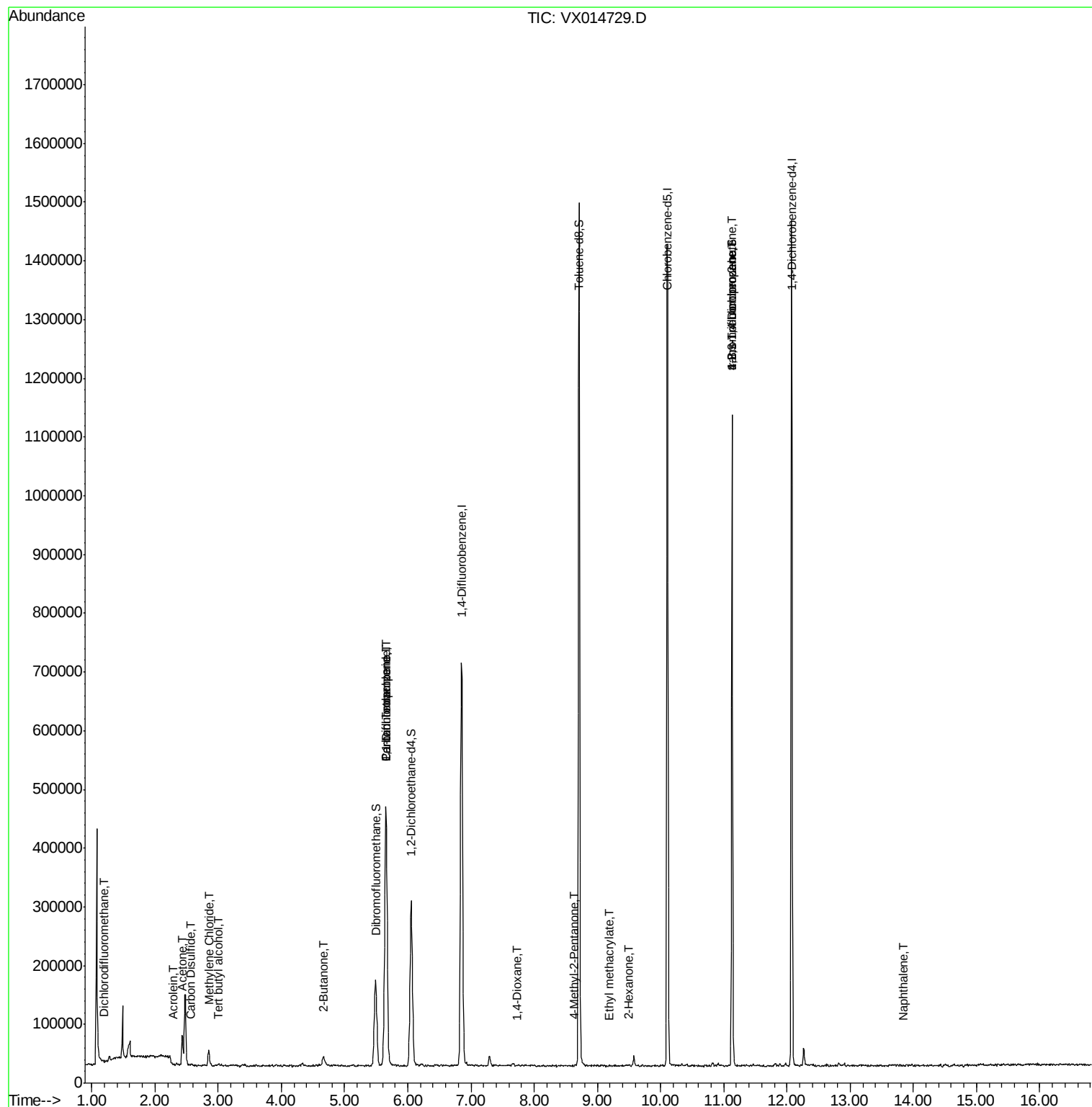
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	458529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	710601	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	656996	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	301310	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	262217	48.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.94%	
35) Dibromofluoromethane	5.49	113	128564	28.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	57.34%	
50) Toluene-d8	8.71	98	858621	49.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.62%	
62) 4-Bromofluorobenzene	11.13	95	293590	47.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.62%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.19	85	104	0.548	ug/l	83
6) Chloroethane	1.59	64	3223	Below Cal	#	68
11) Tert butyl alcohol	3.01	59	2230	1.855	ug/l #	69
13) Acrolein	2.28	56	905	0.955	ug/l	86
16) Acetone	2.43	43	57734	19.812	ug/l	99
17) Carbon Disulfide	2.56	76	3173	0.255	ug/l #	89
20) Methylene Chloride	2.85	84	14339	2.641	ug/l	94
25) 2-Butanone	4.67	43	11731	2.790	ug/l	92
36) 1,1-Dichloropropene	5.65	75	31765	4.811	ug/l #	52
38) Carbon Tetrachloride	5.65	117	39826	6.316	ug/l #	15
41) Methacrylonitrile	5.03	41	84	Below Cal	#	1
49) 1,4-Dioxane	7.73	88	248	1.977	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	1793	0.229	ug/l	90
56) Ethyl methacrylate	9.18	69	280	1.816	ug/l #	1
59) 2-Hexanone	9.50	43	1867	0.308	ug/l	79
76) 1,2,3-Trichloropropane	11.13	75	144260	20.579	ug/l #	41
81) trans-1,4-Dichloro-2-buten	11.13	75	144260	58.563	ug/l #	11
95) Naphthalene	13.84	128	829	0.970	ug/l #	68

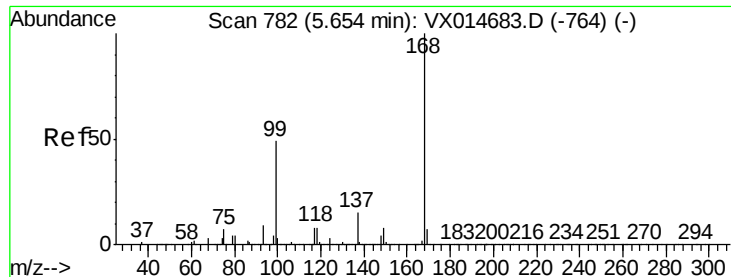
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 28 03:17:30 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: VX014729.D

Acq: 27 Jan 2020 16:17

Instrument :

MSVOA_X

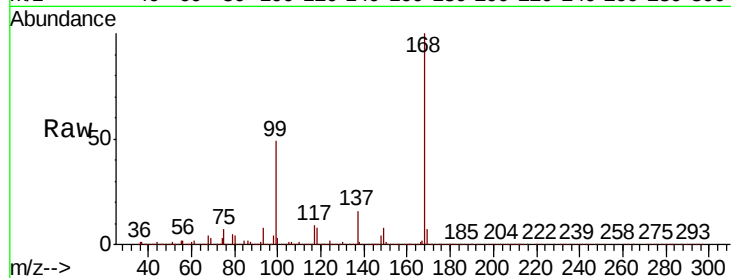
ClientSampleId :

Tot Ion:168 Resp: 458529

Ion Ratio Lower Upper

168 100

99 49.0 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

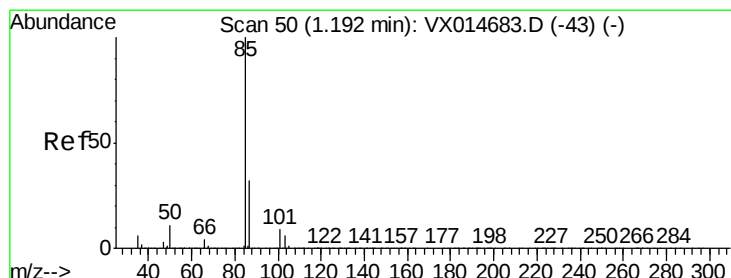
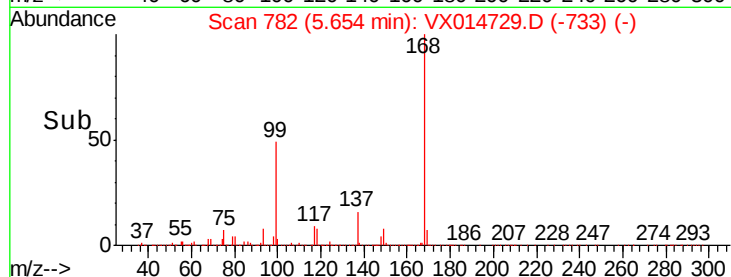
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.548 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014729.D

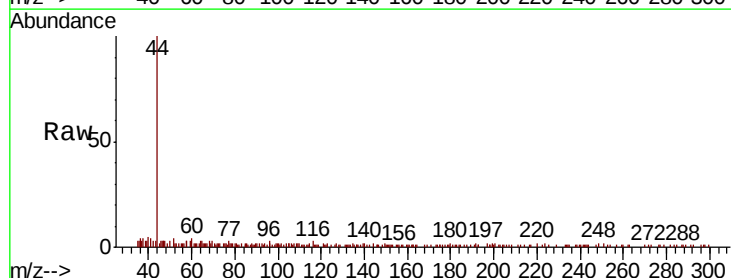
Acq: 27 Jan 2020 16:17

Tgt Ion: 85 Resp: 104

Ion Ratio Lower Upper

85 100

87 41.7 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

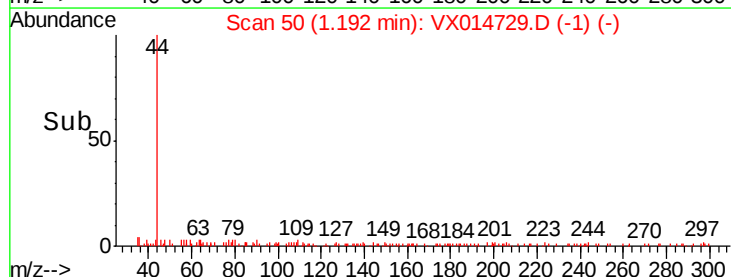
200

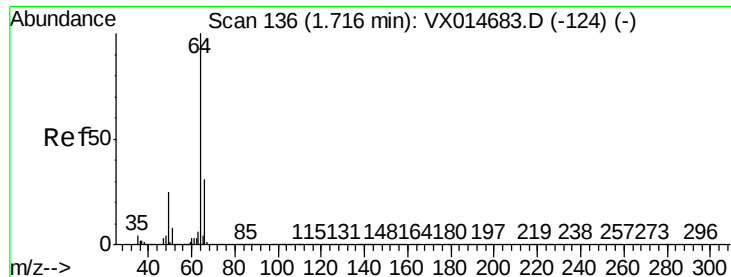
100

0

Time-->

1.18 1.20 1.22





#6

Chloroethane

Concen: Below Cal

RT: 1.59 min Scan# 115

Delta R.T. -0.13 min

Lab File: VX014729.D

Acq: 27 Jan 2020 16:17

Instrument :

MSVOA_X

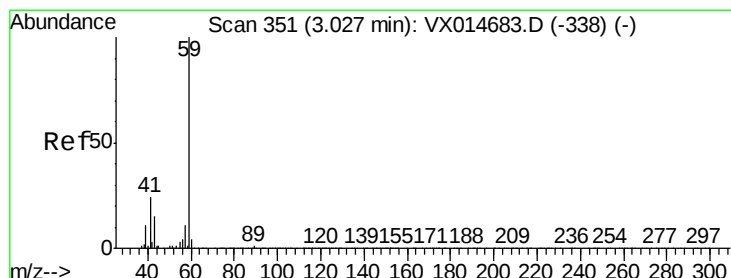
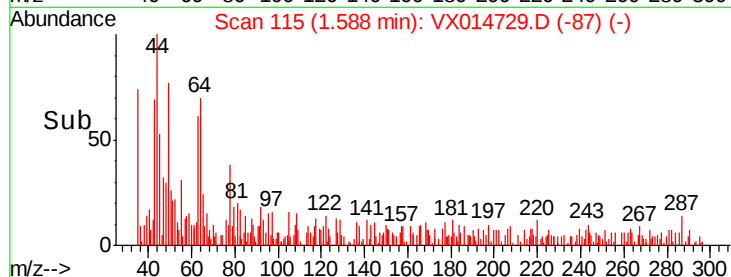
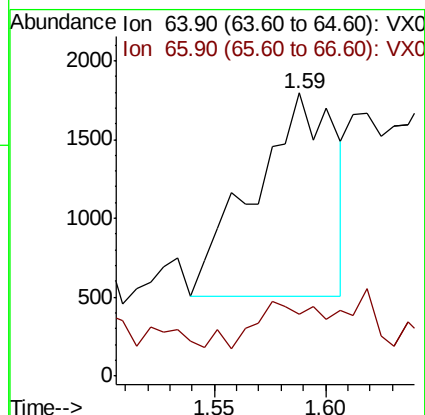
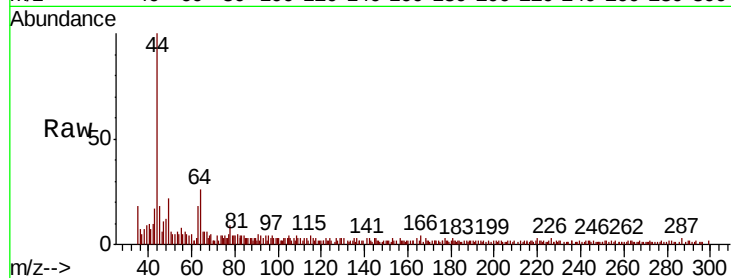
ClientSampleId :

Tot Ion: 64 Resp: 3223

Ion Ratio Lower Upper

64 100

66 13.8 25.2 37.8#



#11

Tert butyl alcohol

Concen: 1.855 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.02 min

Lab File: VX014729.D

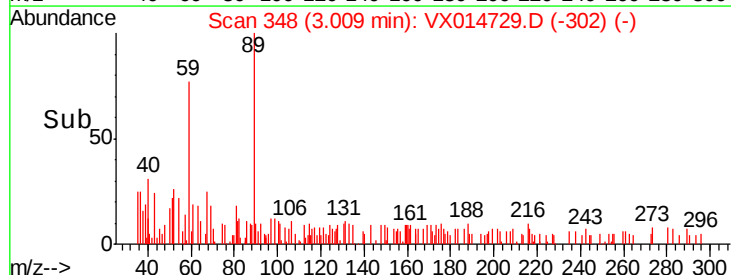
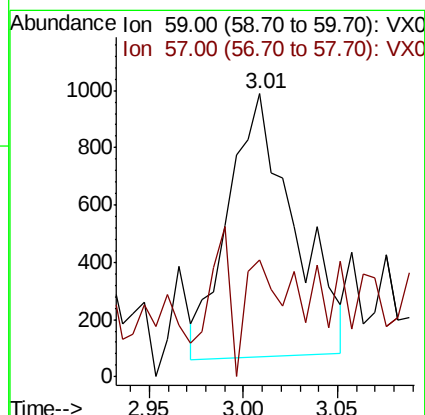
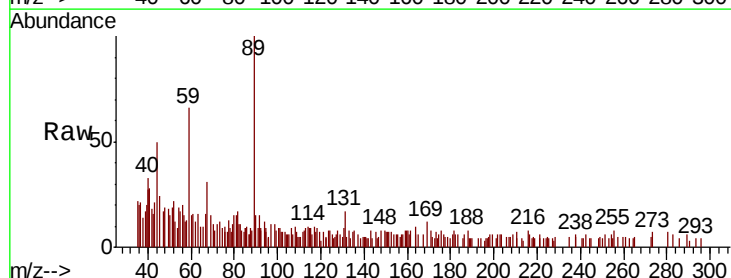
Acq: 27 Jan 2020 16:17

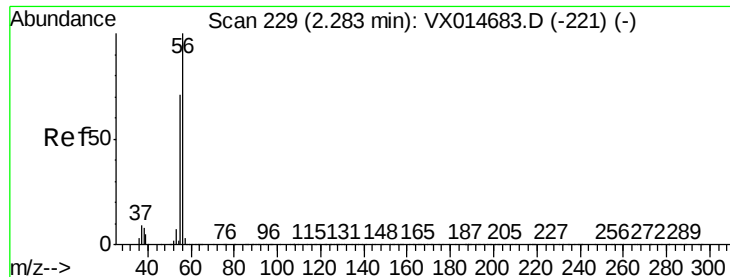
Tgt Ion: 59 Resp: 2230

Ion Ratio Lower Upper

59 100

57 21.8 8.3 12.5#





#13

Acrolein

Concen: 0.955 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014729.D

Acq: 27 Jan 2020 16:17

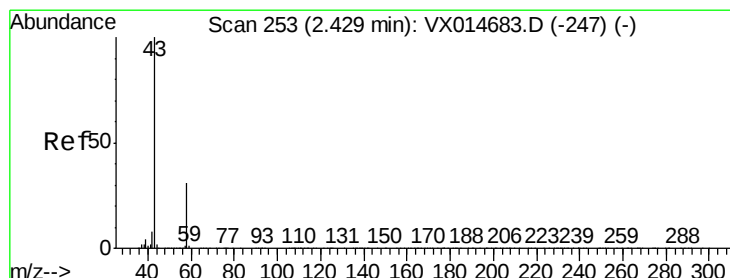
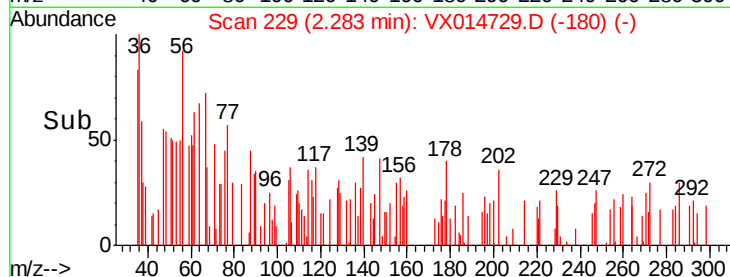
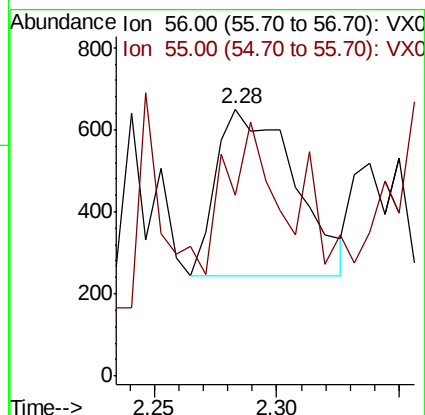
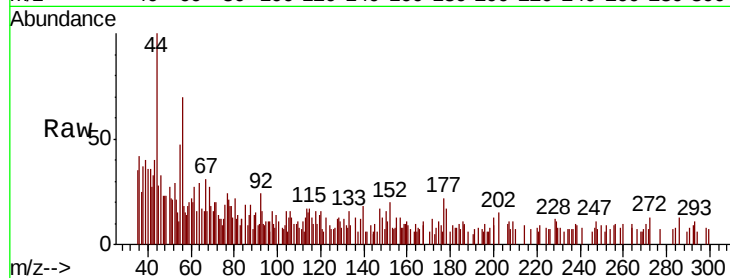
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 905

Ion Ratio Lower Upper

56 100

55 59.4 56.6 84.8



#16

Acetone

Concen: 19.812 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014729.D

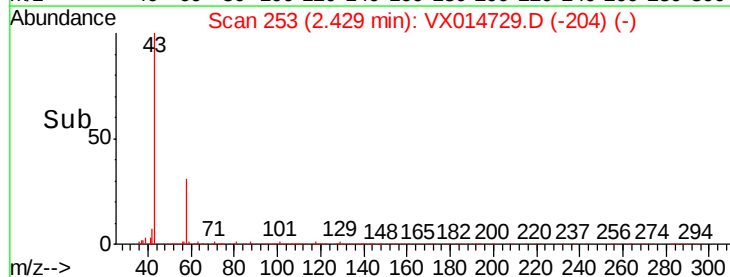
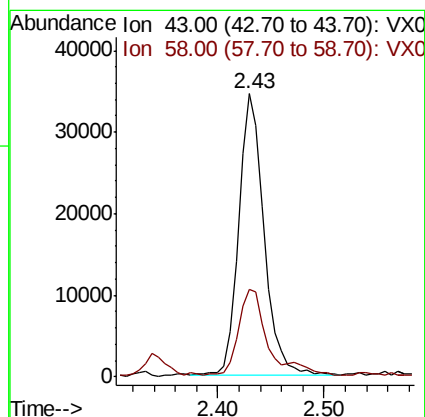
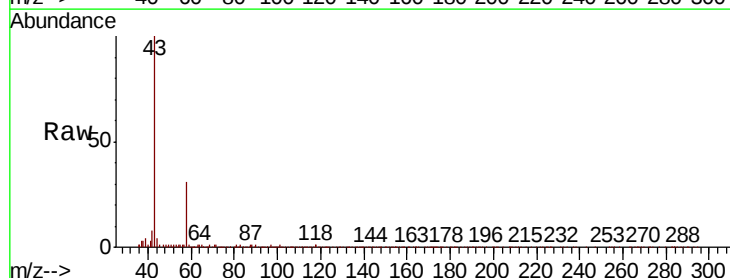
Acq: 27 Jan 2020 16:17

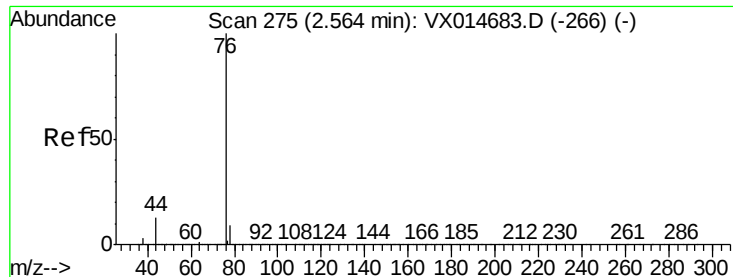
Tgt Ion: 43 Resp: 57734

Ion Ratio Lower Upper

43 100

58 30.3 24.5 36.7





#17

Carbon Disulfide

Concen: 0.255 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.00 min

Lab File: VX014729.D

Acq: 27 Jan 2020 16:17

Instrument :

MSVOA_X

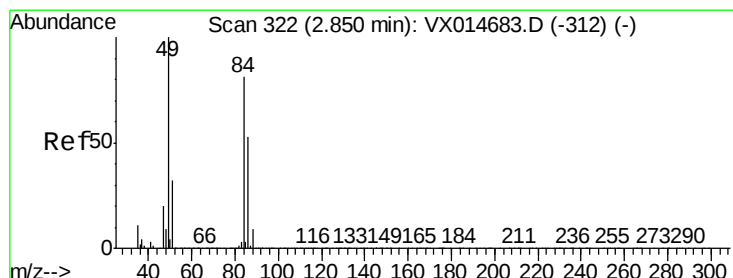
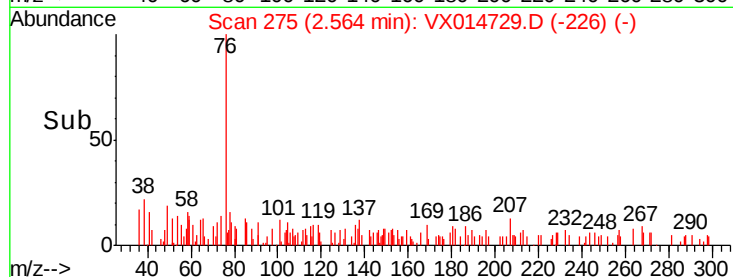
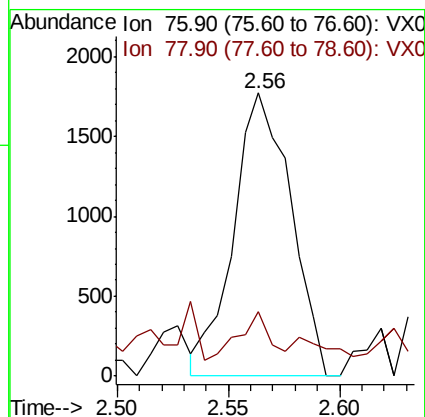
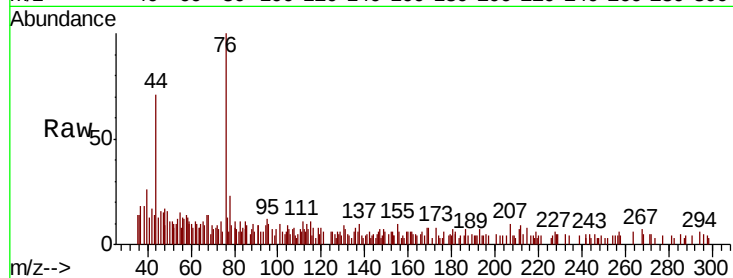
ClientSampleId :

Tot Ion: 76 Resp: 3173

Ion Ratio Lower Upper

76 100

78 5.0 7.2 10.8#



#20

Methylene Chloride

Concen: 2.641 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.00 min

Lab File: VX014729.D

Acq: 27 Jan 2020 16:17

Tgt Ion: 84 Resp: 14339

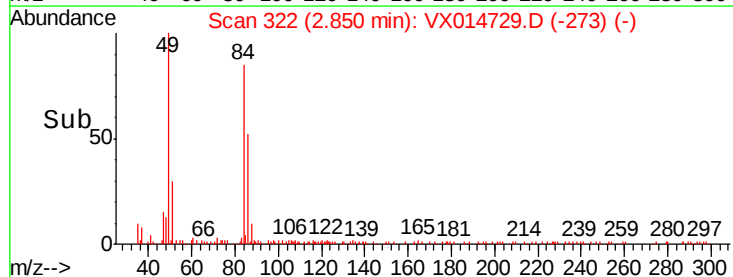
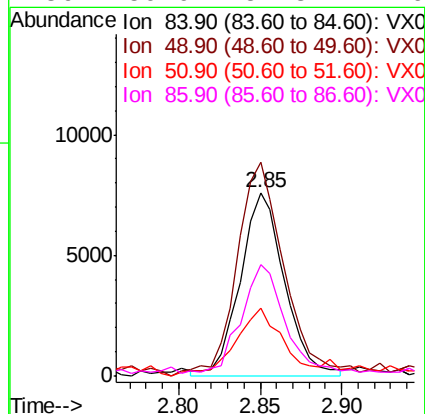
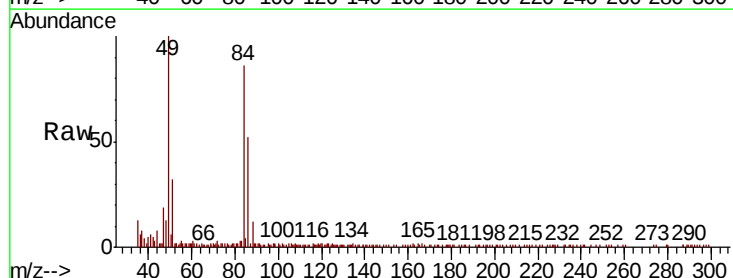
Ion Ratio Lower Upper

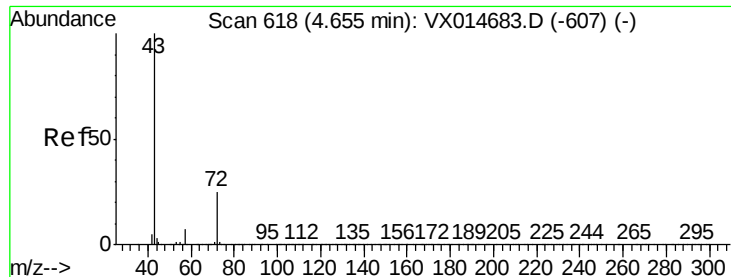
84 100

49 116.3 98.2 147.4

51 35.0 31.3 46.9

86 59.9 51.8 77.6

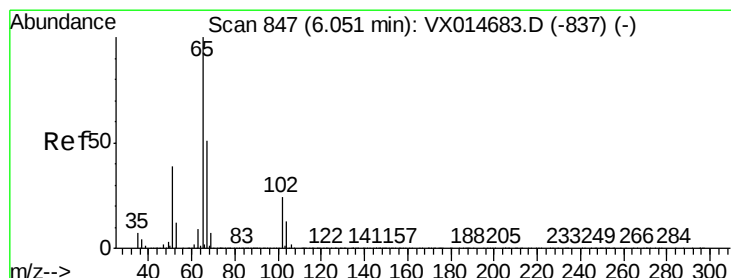
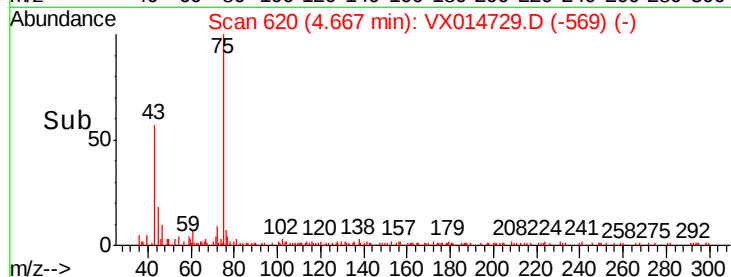
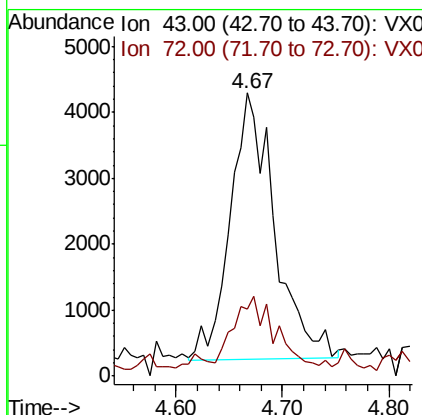
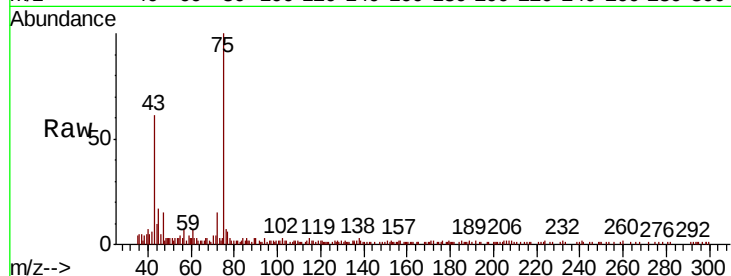




#25
2-Butanone
Concen: 2.790 ug/l
RT: 4.67 min Scan# 620
Delta R.T. 0.01 min
Lab File: VX014729.D
Acq: 27 Jan 2020 16:17

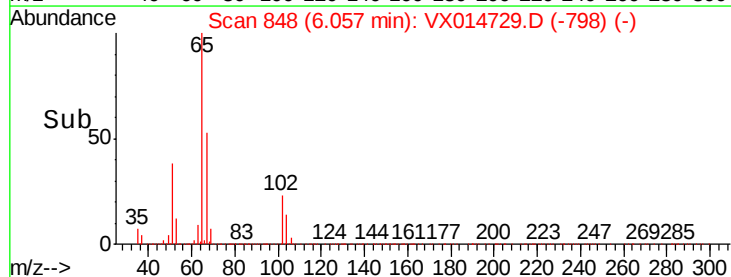
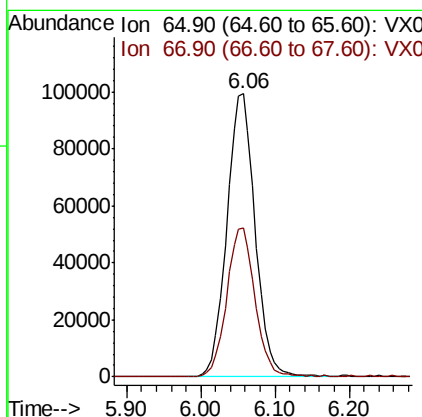
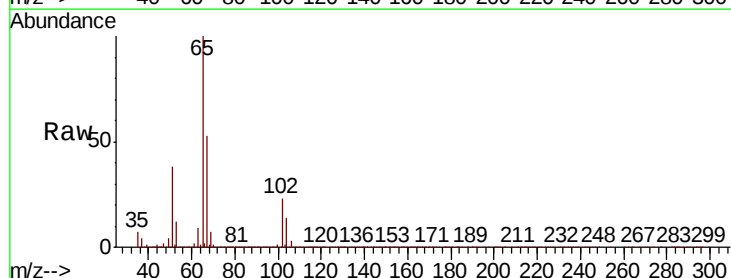
Instrument :
MSVOA_X
ClientSampleId :

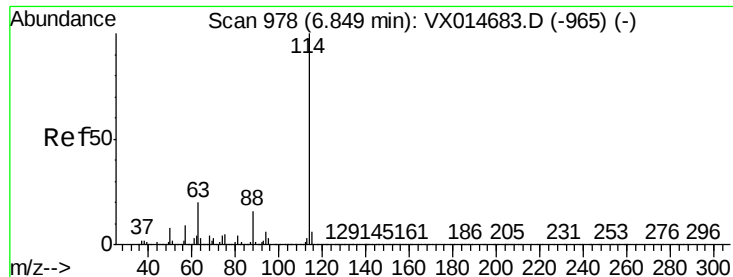
Tot Ion: 43 Resp: 11731
Ion Ratio Lower Upper
43 100
72 20.9 19.9 29.9



#33
1,2-Dichloroethane-d4
Concen: 48.971 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.01 min
Lab File: VX014729.D
Acq: 27 Jan 2020 16:17

Tgt Ion: 65 Resp: 262217
Ion Ratio Lower Upper
65 100
67 52.6 0.0 107.4

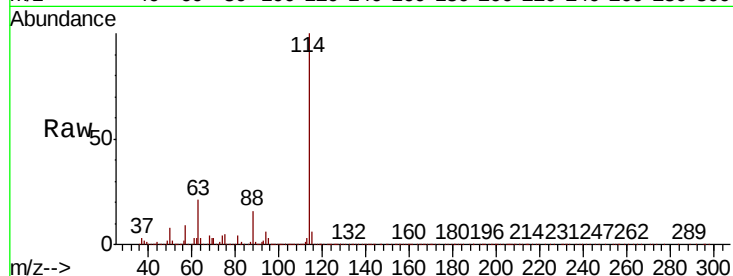




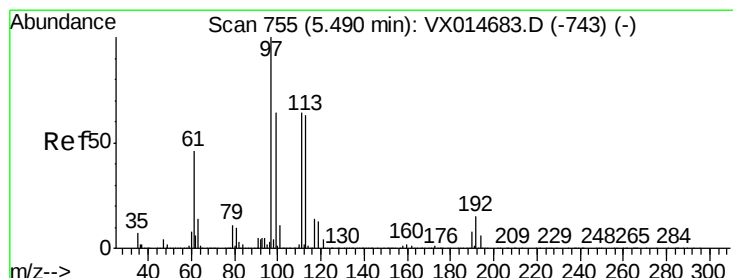
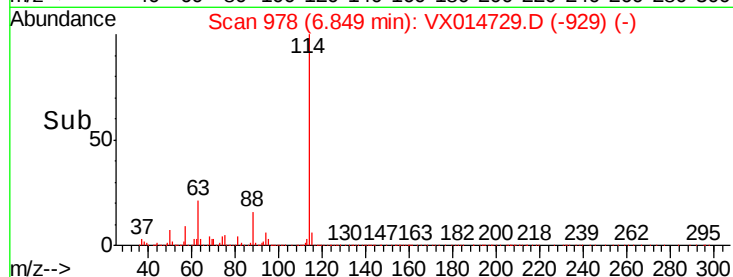
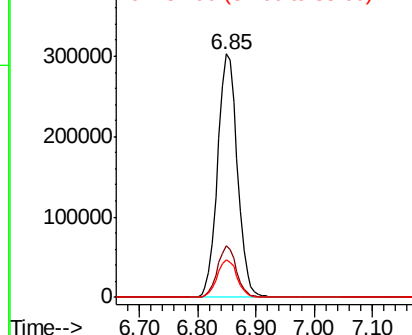
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX014729.D
Acq: 27 Jan 2020 16:17

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	40.6
88	15.6	0.0	31.2

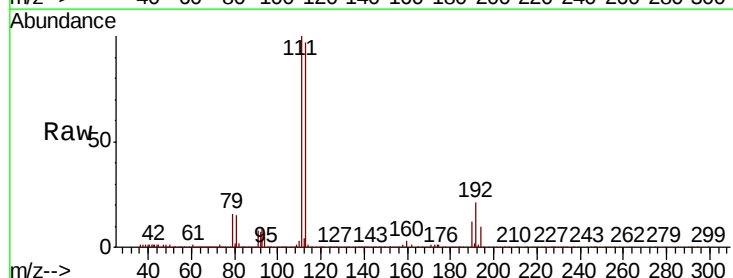


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

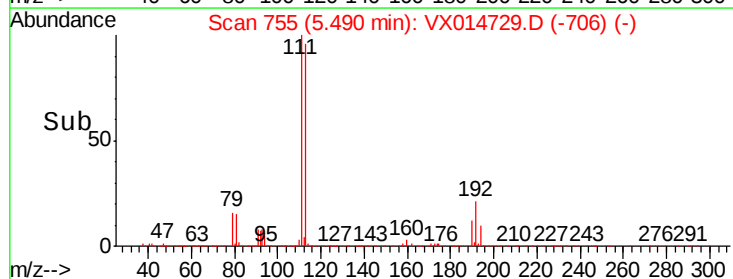
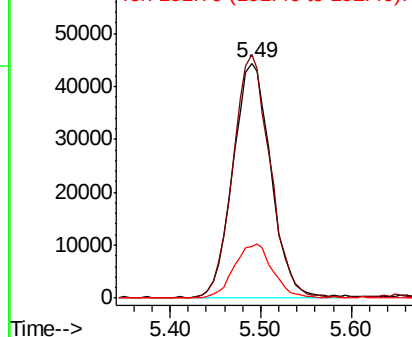


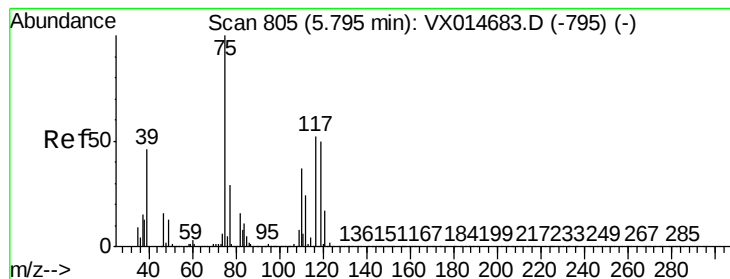
#35
Dibromofluoromethane
Concen: 28.673 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX014729.D
Acq: 27 Jan 2020 16:17

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	80.7	121.1
192	23.4	18.5	27.7



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.811 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.14 min

Lab File: VX014729.D

Acq: 27 Jan 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

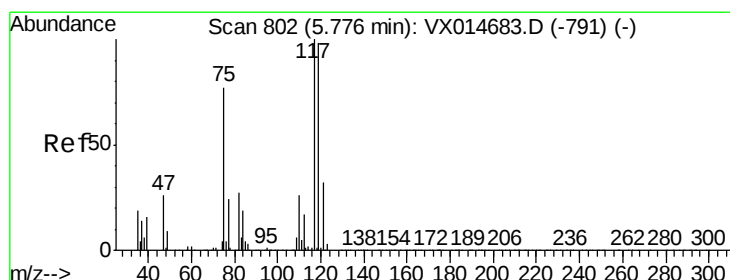
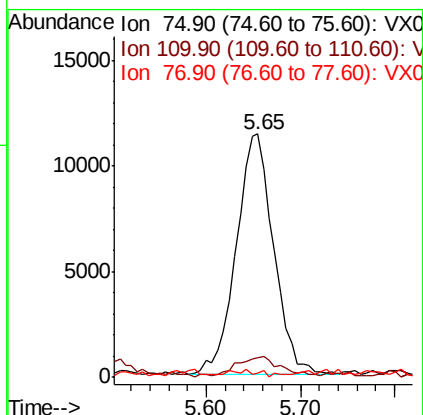
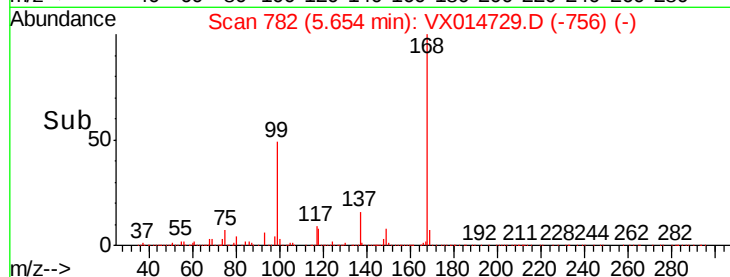
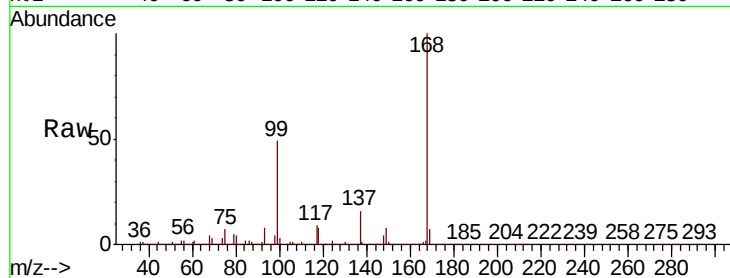
Tot Ion: 75 Resp: 31765

Ion Ratio Lower Upper

75 100

110 10.8 17.9 53.7#

77 0.0 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 6.316 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014729.D

Acq: 27 Jan 2020 16:17

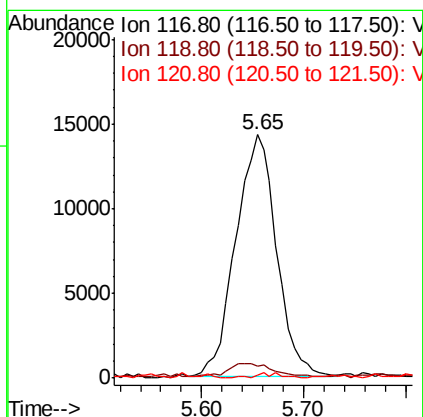
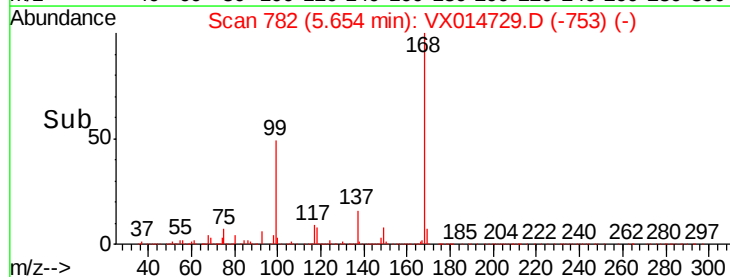
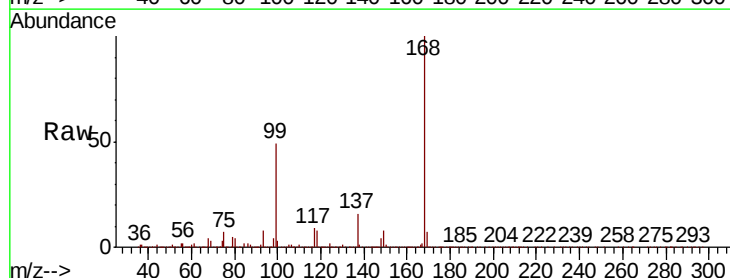
Tgt Ion: 117 Resp: 39826

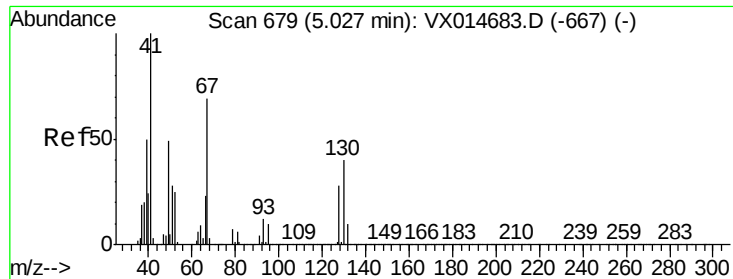
Ion Ratio Lower Upper

117 100

119 4.3 77.9 116.9#

121 0.5 25.4 38.2#

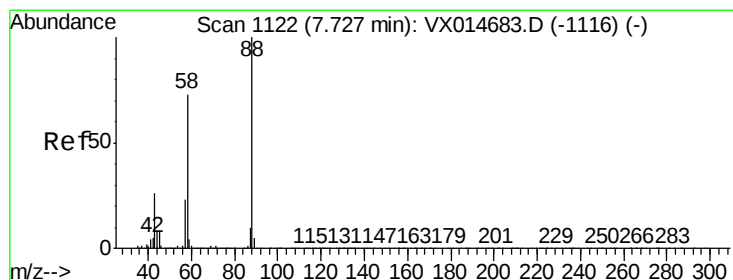
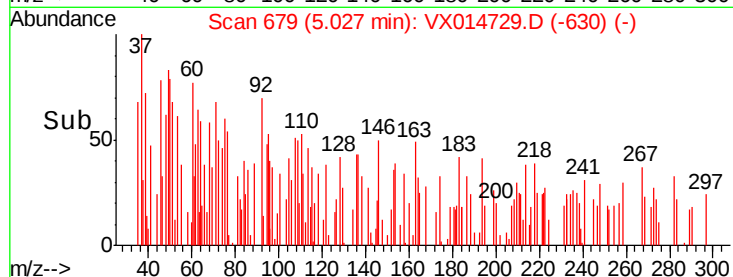
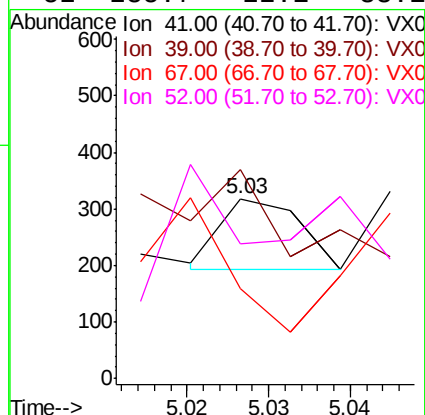
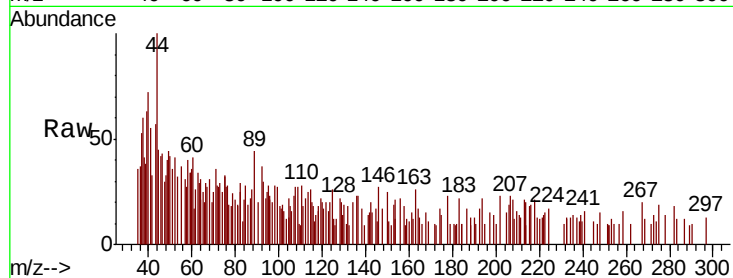




#41
Methacrylonitrile
Concen: Below Cal
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX014729.D
Acq: 27 Jan 2020 16:17

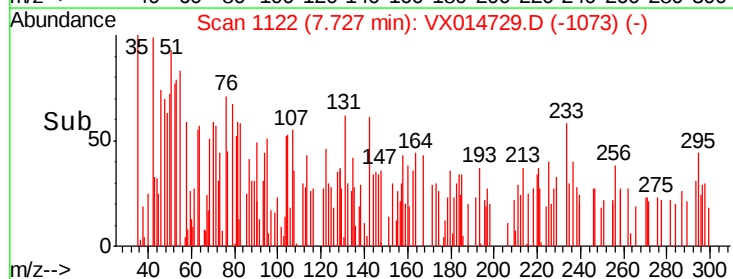
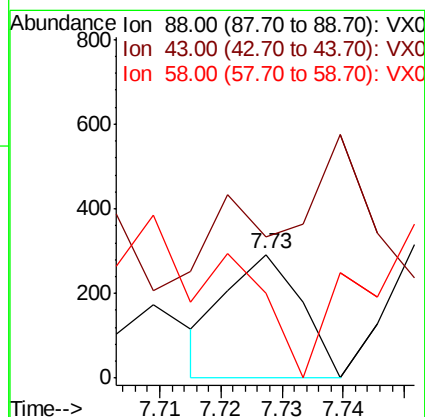
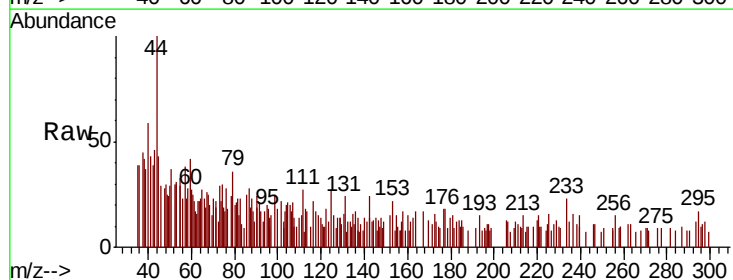
Instrument :
MSVOA_X
ClientSampled :

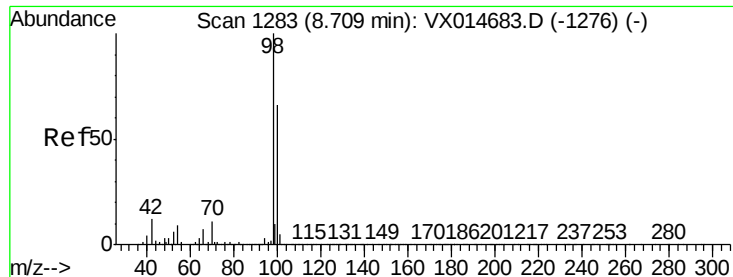
Tot Ion:	41	Resp:	84
Ion	Ratio	Lower	Upper
41	100		
39	266.7	42.2	63.2#
67	841.7	55.4	83.0#
52	285.7	22.1	33.1#



#49
1,4-Dioxane
Concen: 1.977 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. 0.00 min
Lab File: VX014729.D
Acq: 27 Jan 2020 16:17

Tgt Ion:	88	Resp:	248
Ion	Ratio	Lower	Upper
88	100		
43	169.0	26.2	39.2#
58	0.0	56.6	85.0#





#50

Toluene-d8

Concen: 49.811 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014729.D

Acq: 27 Jan 2020 16:17

Instrument :

MSVOA_X

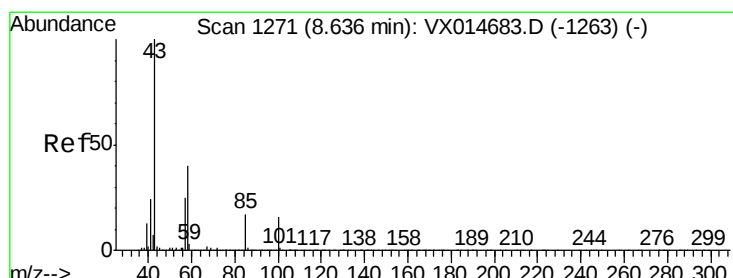
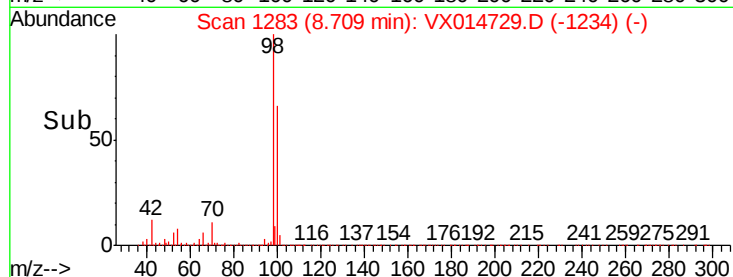
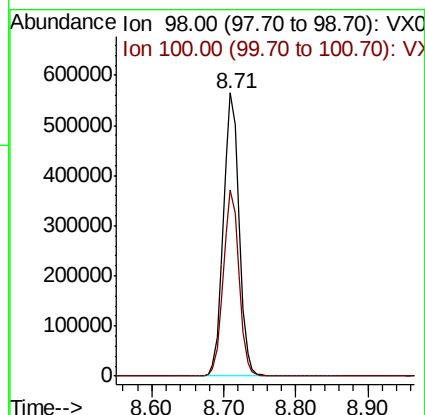
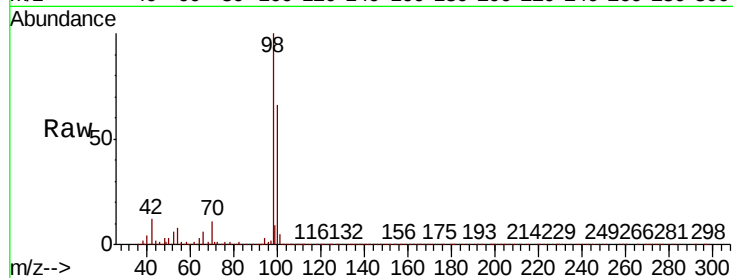
ClientSampleId :

Tot Ion: 98 Resp: 858621

Ion Ratio Lower Upper

98 100

100 65.4 53.0 79.6



#51

4-Methyl-2-Pentanone

Concen: 0.229 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX014729.D

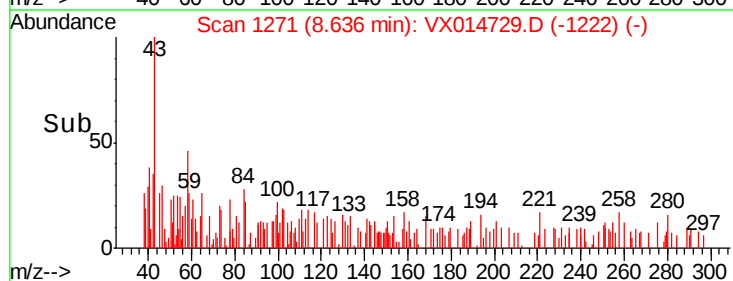
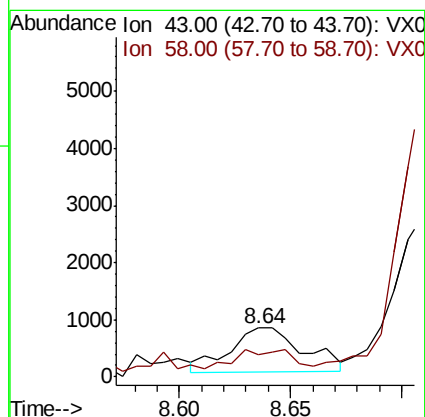
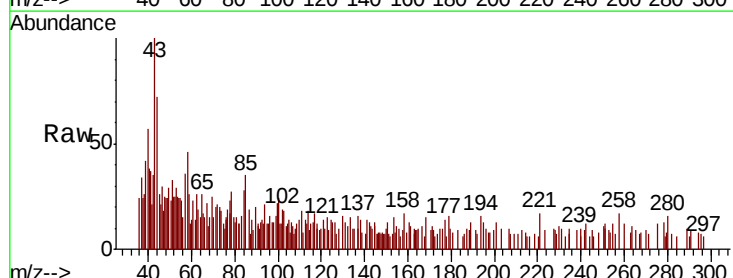
Acq: 27 Jan 2020 16:17

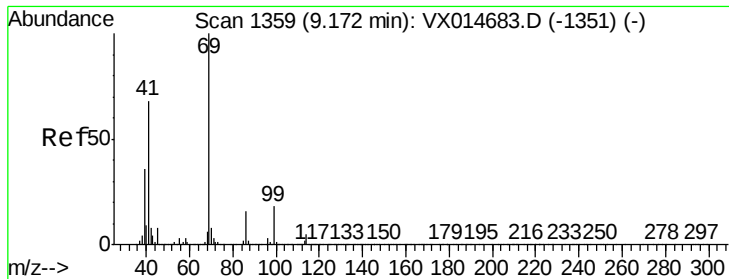
Tgt Ion: 43 Resp: 1793

Ion Ratio Lower Upper

43 100

58 45.8 31.6 47.4





#56

Ethyl methacrylate

Concen: 1.816 ug/l

RT: 9.18 min Scan# 1361

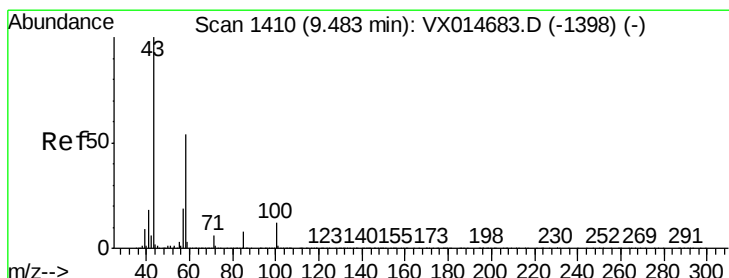
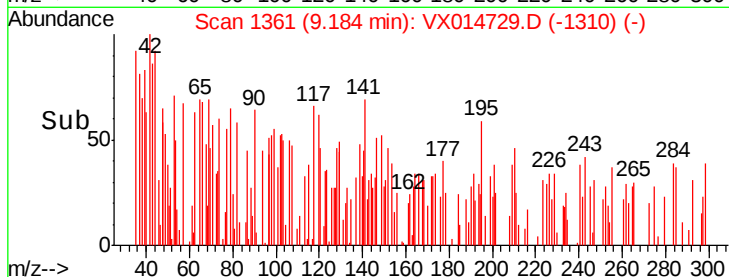
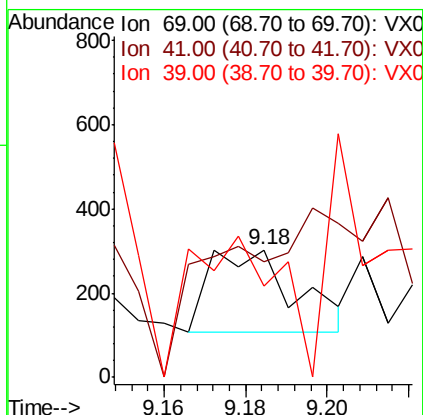
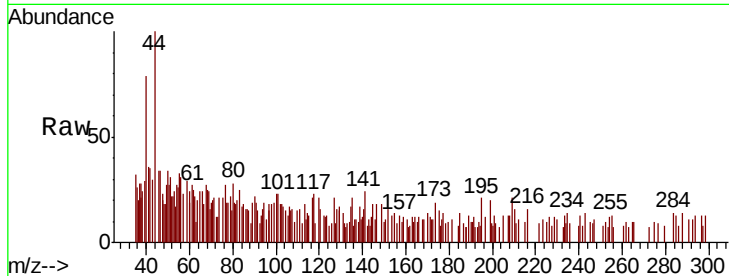
Delta R.T. 0.01 min

Lab File: VX014729.D

Acq: 27 Jan 2020 16:17

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	69	Resp:	280
Ion	Ratio	Lower	Upper
69	100		
41	0.0	54.9	82.3#
39	181.1	29.3	43.9#



#59

2-Hexanone

Concen: 0.308 ug/l

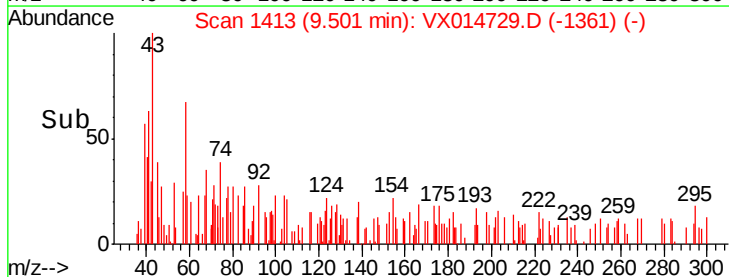
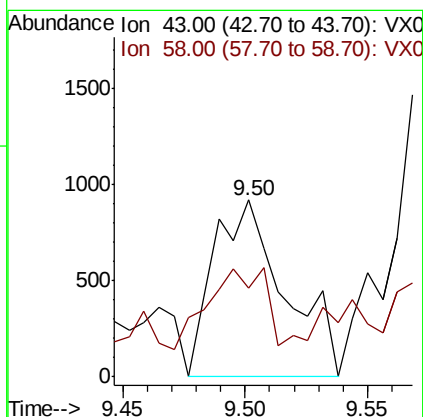
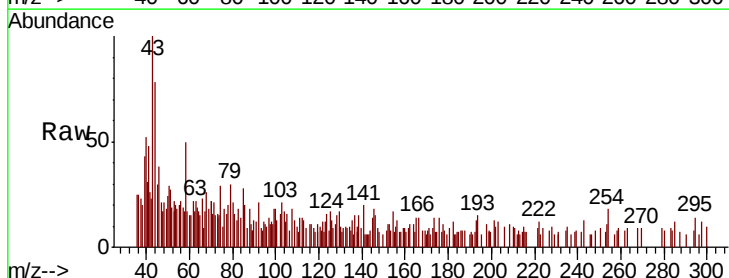
RT: 9.50 min Scan# 1413

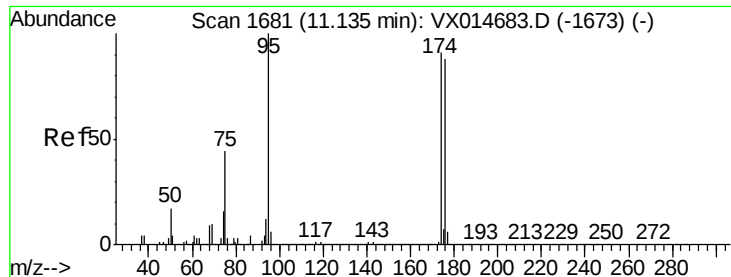
Delta R.T. 0.02 min

Lab File: VX014729.D

Acq: 27 Jan 2020 16:17

Tgt Ion:	43	Resp:	1867
Ion	Ratio	Lower	Upper
43	100		
58	39.3	27.2	81.5

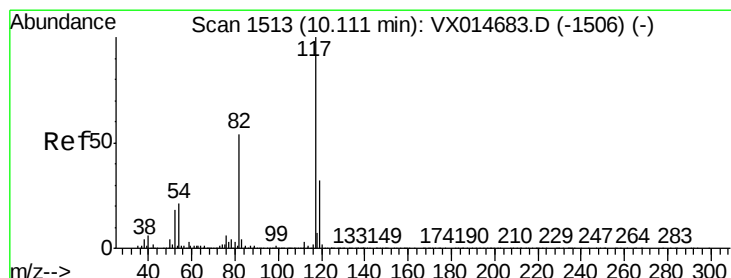
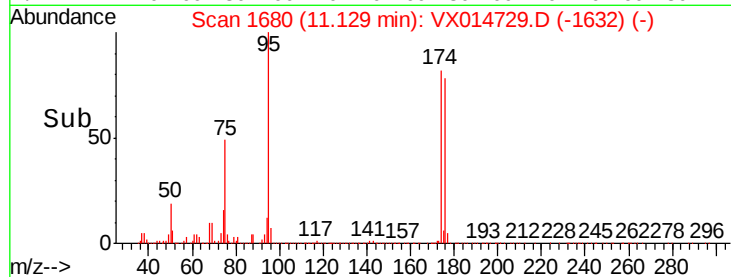
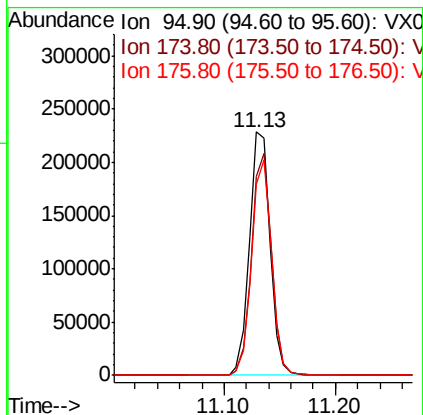
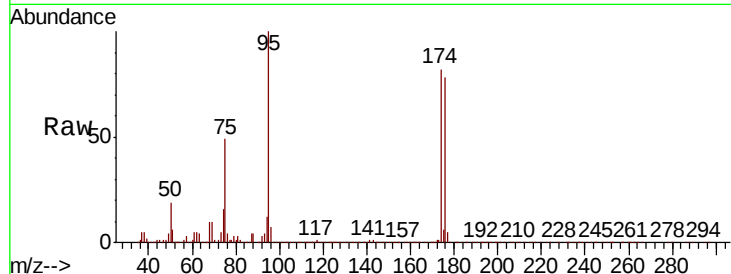




#62
4-Bromofluorobenzene
Concen: 47.812 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014729.D
Acq: 27 Jan 2020 16:17

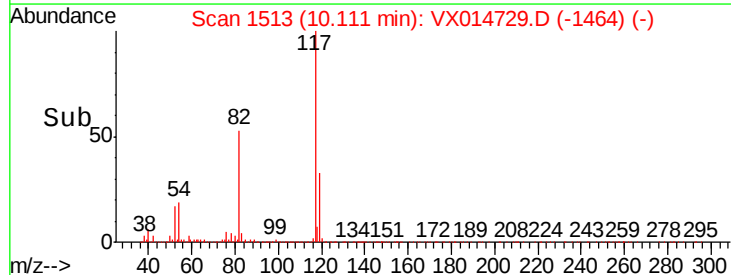
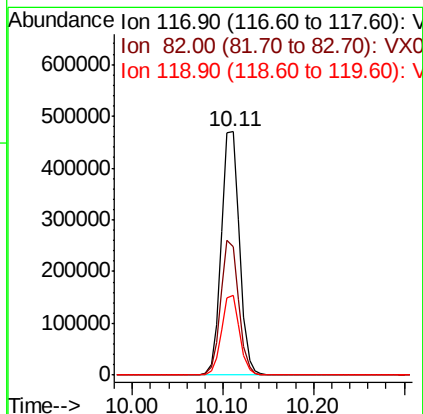
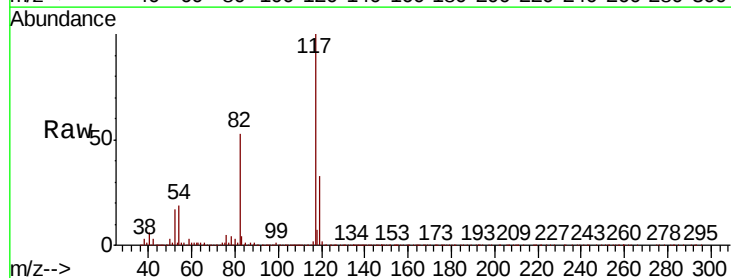
Instrument :
MSVOA_X
ClientSampleId :

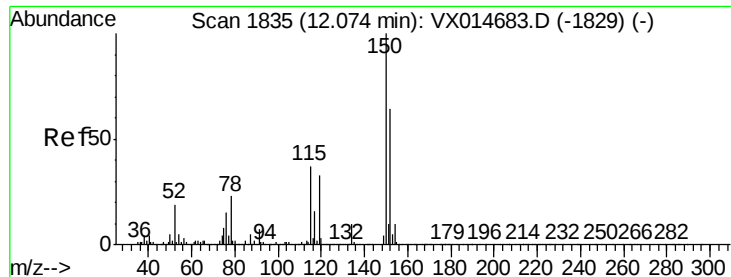
Tot Ion	Ratio	Lower	Upper
95	100		
174	88.6	0.0	176.0
176	85.8	0.0	172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014729.D
Acq: 27 Jan 2020 16:17

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.5	43.2	64.8
119	32.9	25.8	38.6



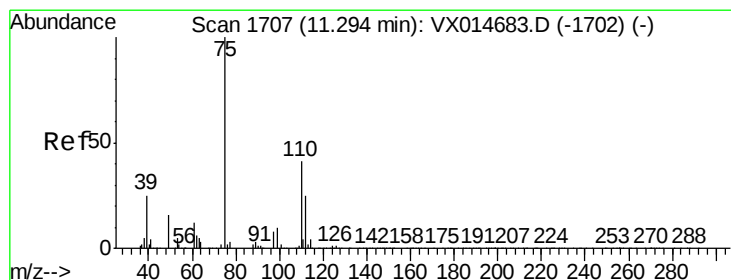
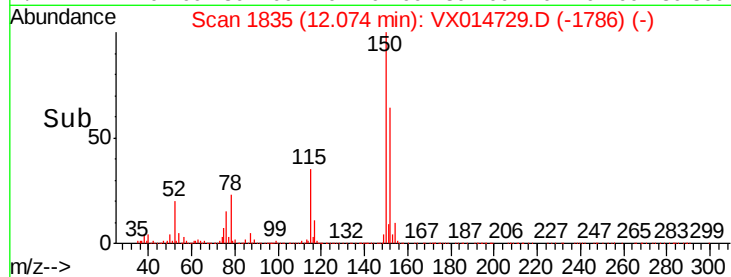
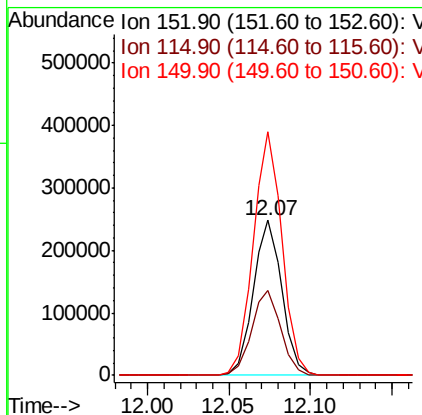
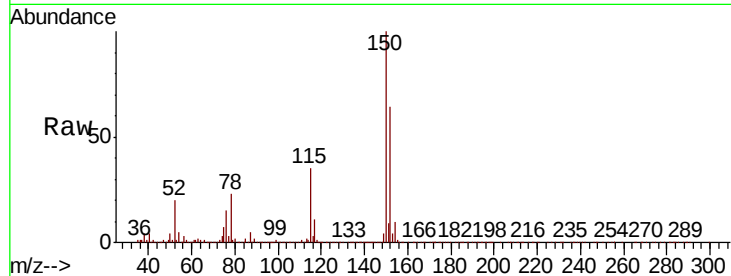


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014729.D
Acq: 27 Jan 2020 16:17

Instrument :
MSVOA_X
ClientSampleId :

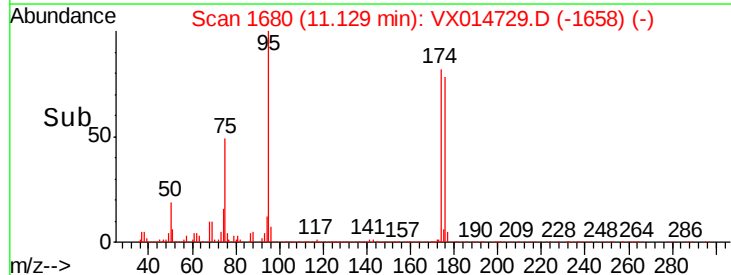
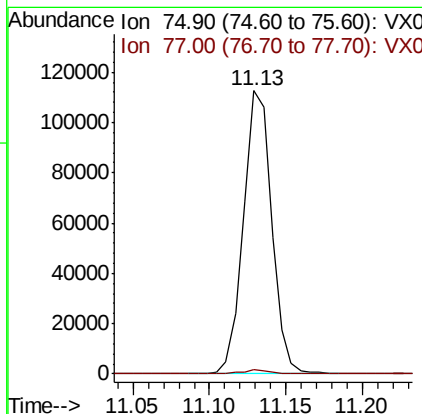
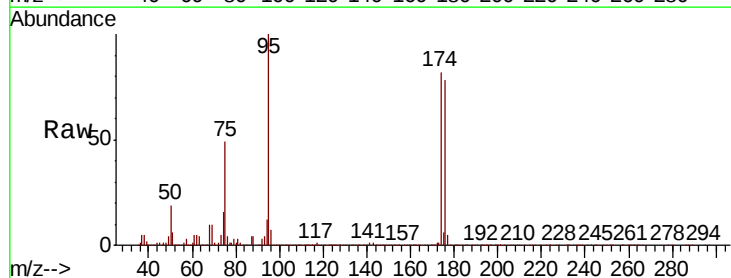
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.8	39.4	118.1
150	158.2	0.0	351.2

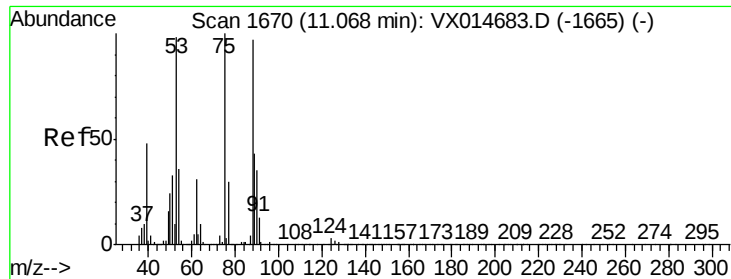


#76

1,2,3-Trichloropropane
Concen: 20.579 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX014729.D
Acq: 27 Jan 2020 16:17

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.9	18.7	56.1





#81

trans-1,4-Dichloro-2-butene

Concen: 58.563 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014729.D

Acq: 27 Jan 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

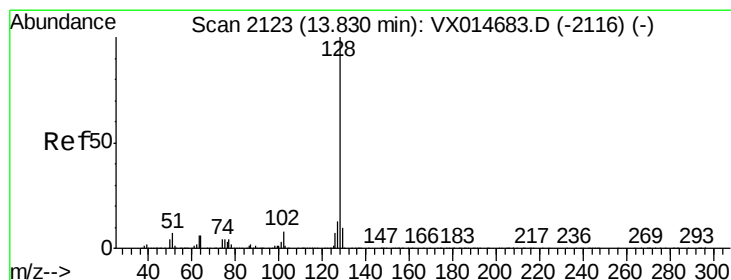
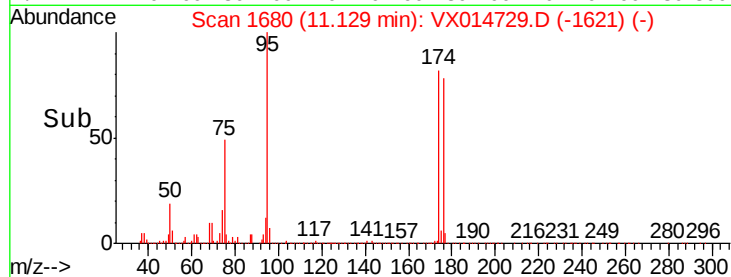
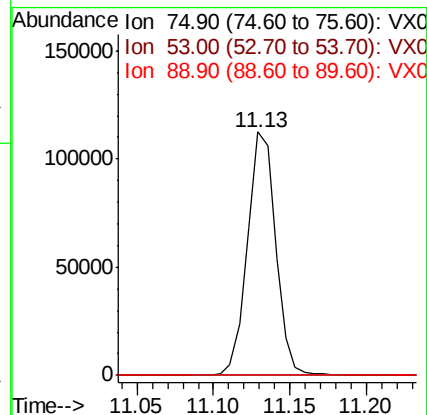
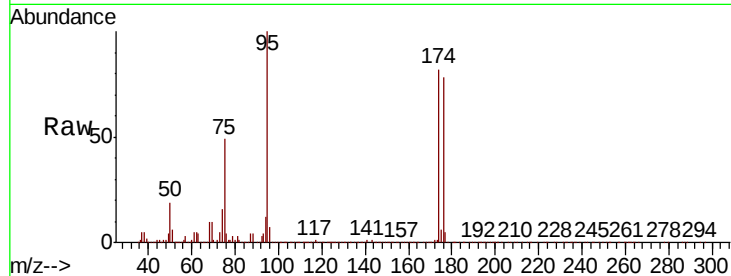
Tot Ion: 75 Resp: 144260

Ion Ratio Lower Upper

75 100

53 0.4 78.8 118.2#

89 0.0 35.4 53.0#



#95

Naphthalene

Concen: 0.970 ug/l

RT: 13.84 min Scan# 2124

Delta R.T. 0.01 min

Lab File: VX014729.D

Acq: 27 Jan 2020 16:17

Tgt Ion: 128 Resp: 829

Ion Ratio Lower Upper

128 100

127 31.6 10.3 15.5#

129 15.7 8.6 12.8#

