

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012720\
 Data File : VX014723.D
 Acq On : 27 Jan 2020 13:57
 Operator : JC/SP
 Sample : L1236-01 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 28 03:15:19 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	432733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	676817	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	631770	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	308382	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	248771	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	
35) Dibromofluoromethane	5.48	113	205012	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	
50) Toluene-d8	8.71	98	811030	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
62) 4-Bromofluorobenzene	11.13	95	297271	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	

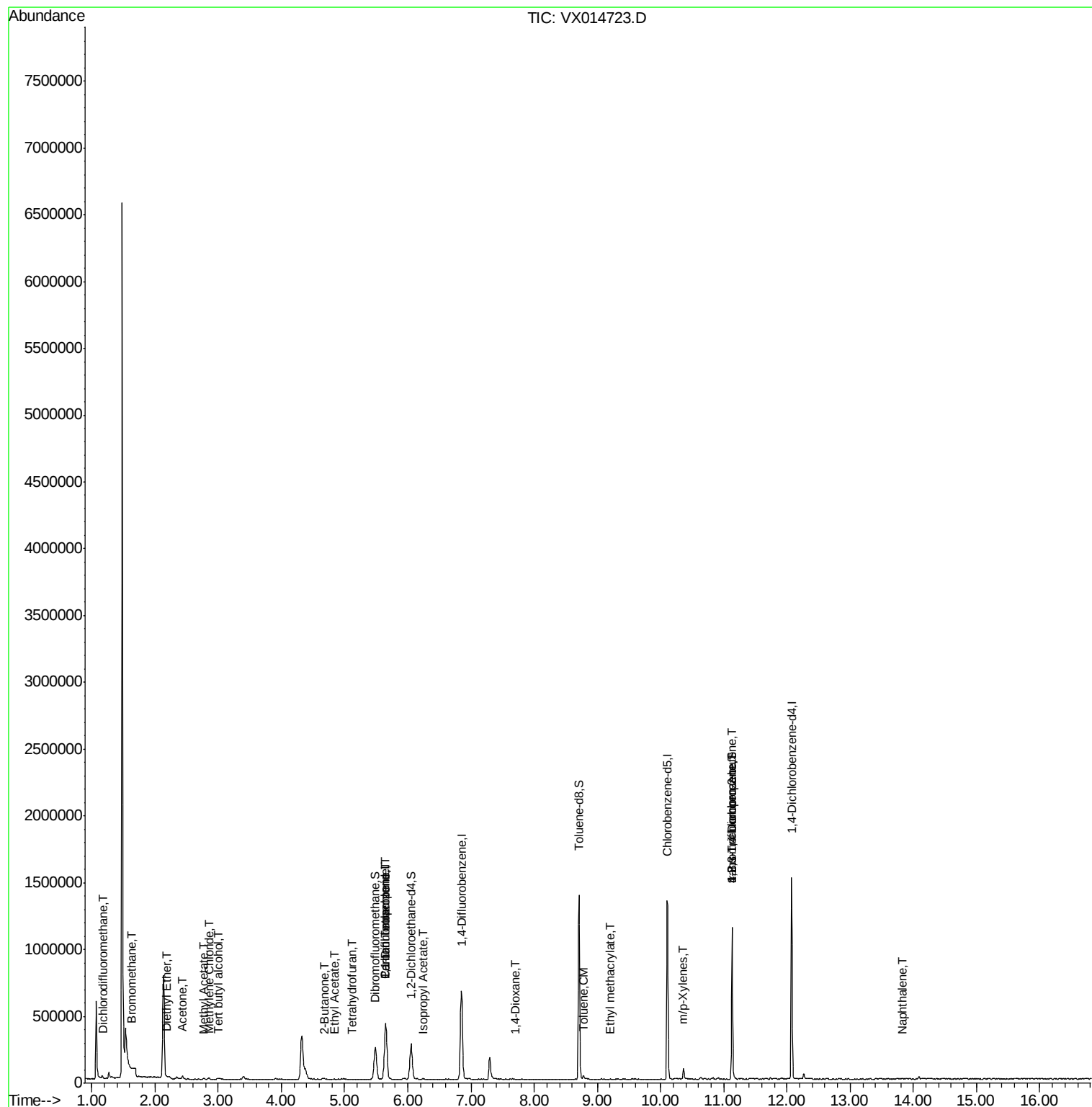
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	445	0.607	ug/l #	42
5) Bromomethane	1.63	94	2716	0.632	ug/l #	73
6) Chloroethane	1.75	64	325	Below Cal	#	43
8) Diethyl Ether	2.19	74	685	0.213	ug/l #	1
11) Tert butyl alcohol	3.00	59	5208	4.590	ug/l #	91
16) Acetone	2.44	43	23879	8.767	ug/l	99
18) Methyl Acetate	2.76	43	9745	1.233	ug/l	95
20) Methylene Chloride	2.84	84	4598	0.897	ug/l #	86
25) 2-Butanone	4.69	43	8099	2.041	ug/l	91
29) Tetrahydrofuran	5.12	42	486	0.206	ug/l #	50
36) 1,1-Dichloropropene	5.65	75	29921	4.758	ug/l #	53
37) Ethyl Acetate	4.84	43	2017	0.280	ug/l #	77
38) Carbon Tetrachloride	5.65	117	40420	6.730	ug/l #	15
41) Methacrylonitrile	5.03	41	169	Below Cal	#	28
43) Isopropyl Acetate	6.25	43	3415	0.290	ug/l	98
49) 1,4-Dioxane	7.70	88	108	0.904	ug/l #	1
52) Toluene	8.78	92	10125	0.848	ug/l	97
56) Ethyl methacrylate	9.19	69	303	1.820	ug/l #	1
68) m/p-Xylenes	10.35	106	2174	0.249	ug/l #	55
76) 1,2,3-Trichloropropane	11.13	75	146216	20.379	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	146216	57.996	ug/l #	11
95) Naphthalene	13.83	128	1652	1.007	ug/l #	77

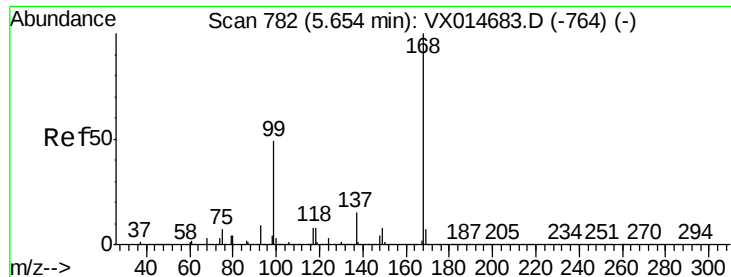
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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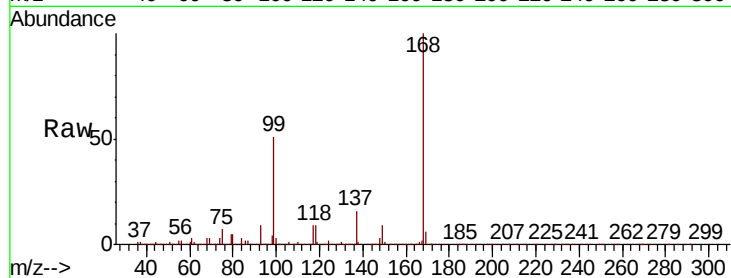


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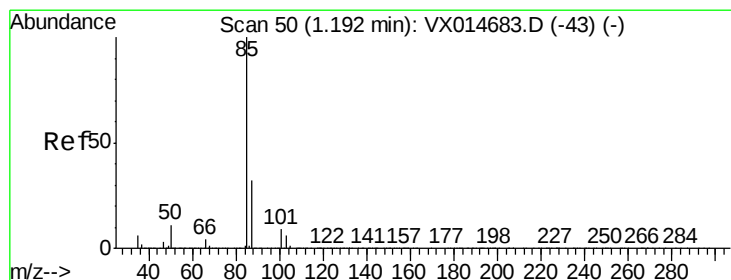
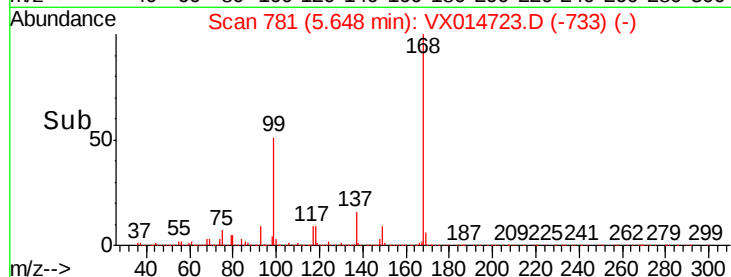
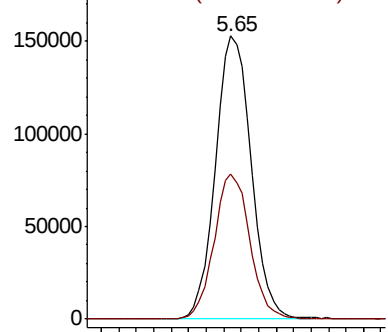
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.01 min
Lab File: VX014723.D
Acq: 27 Jan 2020 13:57

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 432733
Ion Ratio Lower Upper
168 100
99 51.4 39.8 59.6



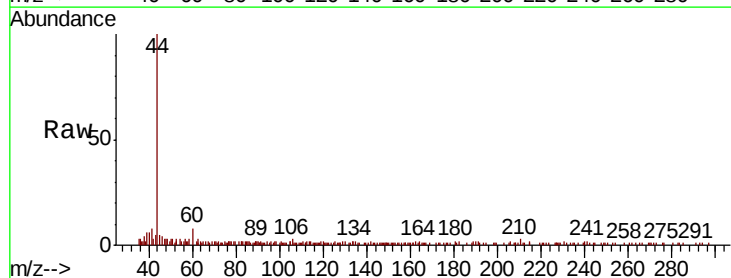
Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VX0



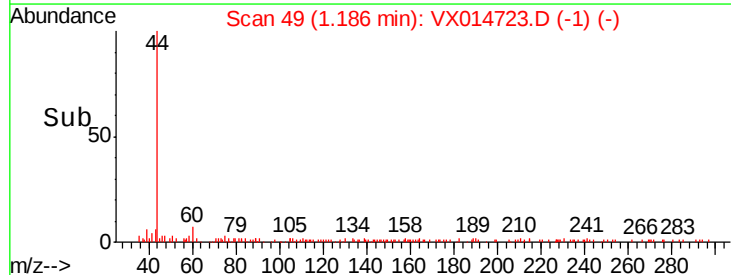
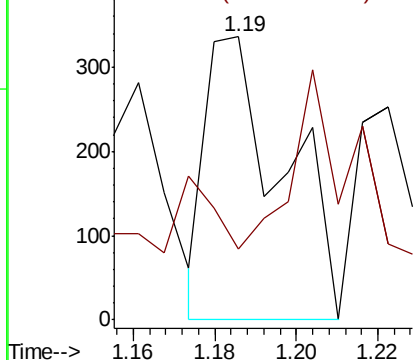
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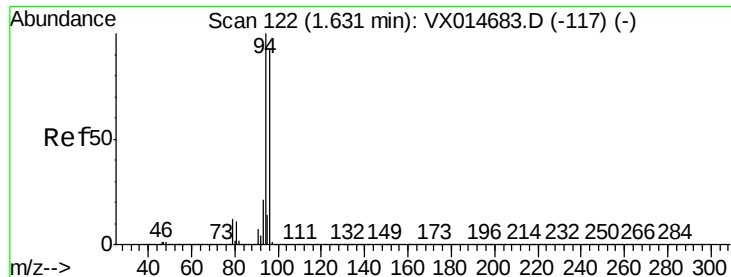
Dichlorodifluoromethane
Concen: 0.607 ug/l
RT: 1.19 min Scan# 49
Delta R.T. -0.01 min
Lab File: VX014723.D
Acq: 27 Jan 2020 13:57

Tgt Ion: 85 Resp: 445
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





#5

Bromomethane

Concen: 0.632 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX014723.D

Acq: 27 Jan 2020 13:57

Instrument :

MSVOA_X

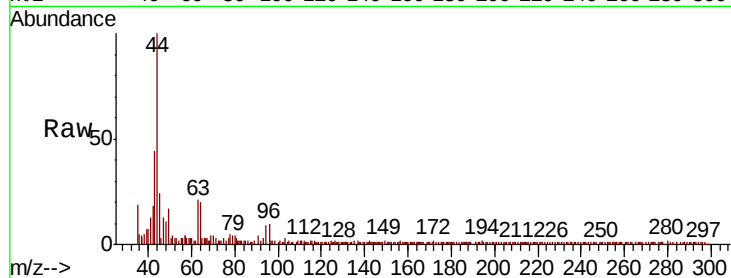
ClientSampleId :

Tot Ion: 94 Resp: 2716

Ion Ratio Lower Upper

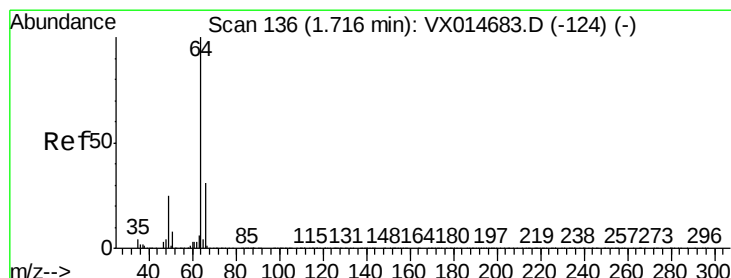
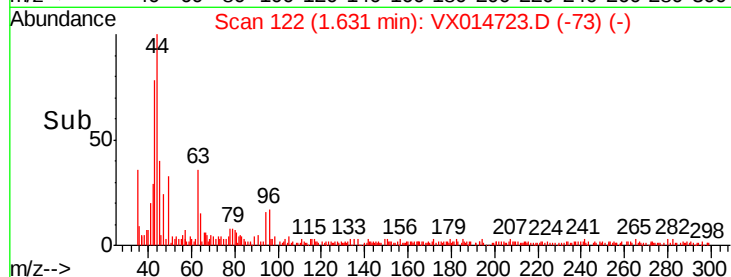
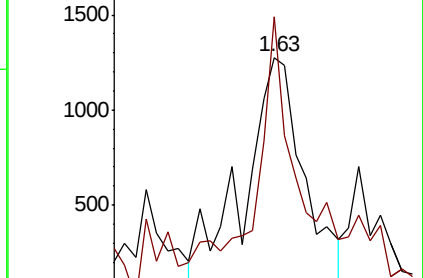
94 100

96 119.8 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: 1.75 min Scan# 141

Delta R.T. 0.03 min

Lab File: VX014723.D

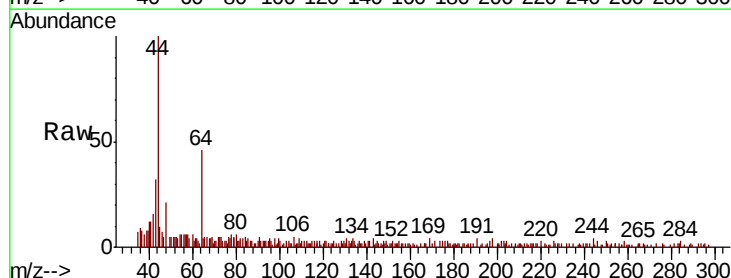
Acq: 27 Jan 2020 13:57

Tgt Ion: 64 Resp: 325

Ion Ratio Lower Upper

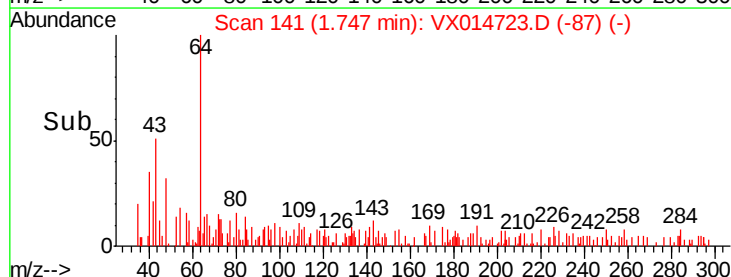
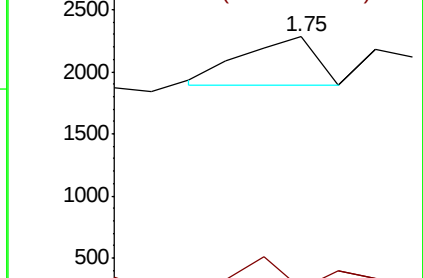
64 100

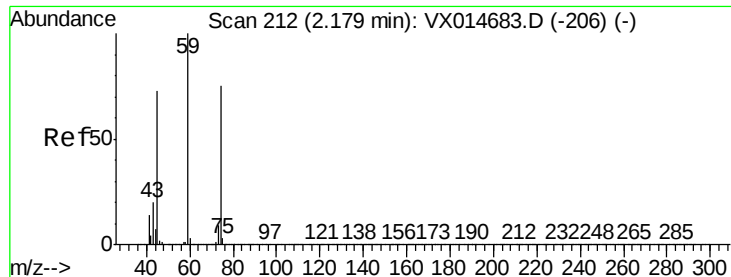
66 0.0 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

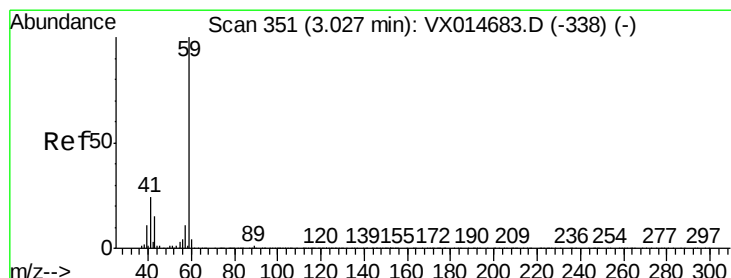
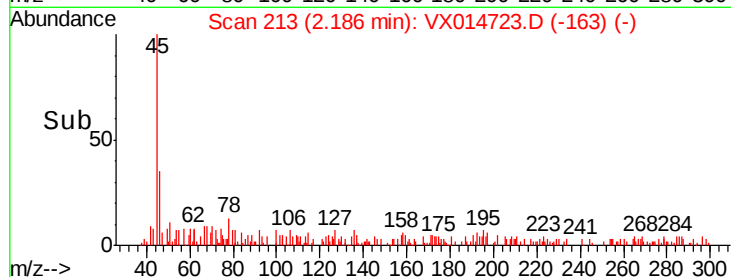
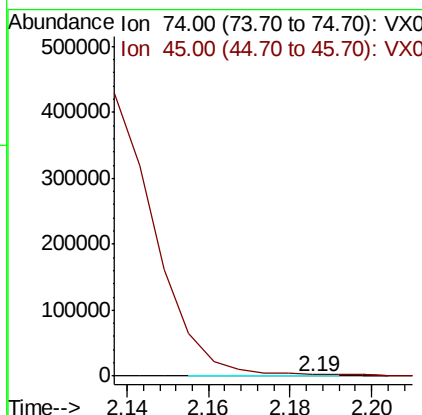
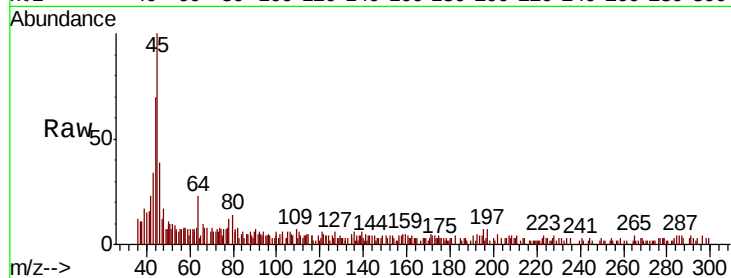




#8
Diethyl Ether
Concen: 0.213 ug/l
RT: 2.19 min Scan# 213
Delta R.T. 0.01 min
Lab File: VX014723.D
Acq: 27 Jan 2020 13:57

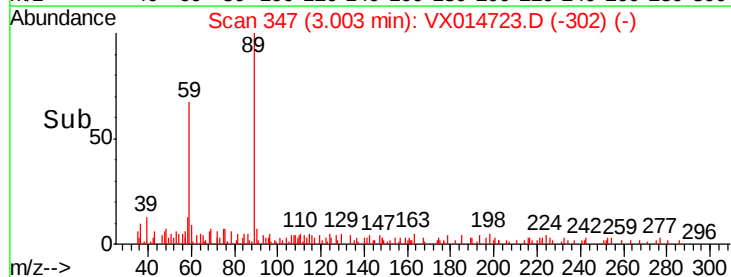
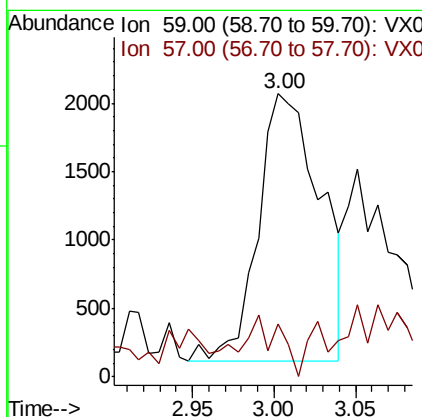
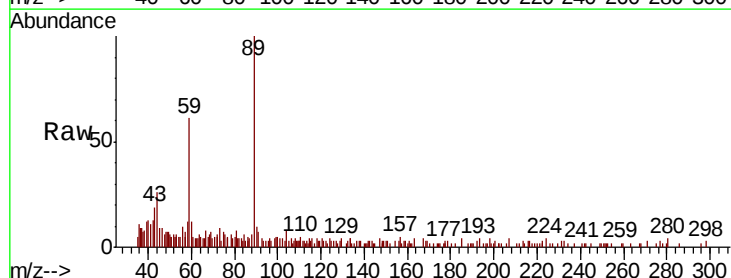
Instrument :
MSVOA_X
ClientSampleId :

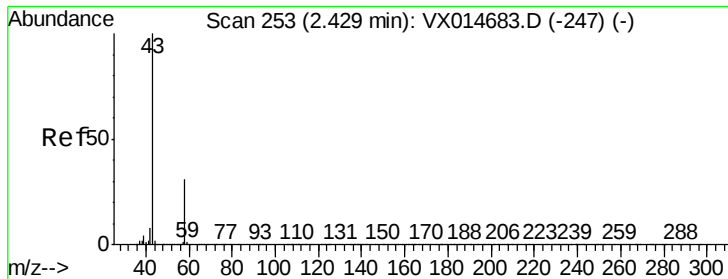
Tot Ion: 74 Resp: 685
Ion Ratio Lower Upper
74 100
45 0.0 49.4 148.0#



#11
Tert butyl alcohol
Concen: 4.590 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.02 min
Lab File: VX014723.D
Acq: 27 Jan 2020 13:57

Tgt Ion: 59 Resp: 5208
Ion Ratio Lower Upper
59 100
57 13.9 8.3 12.5#

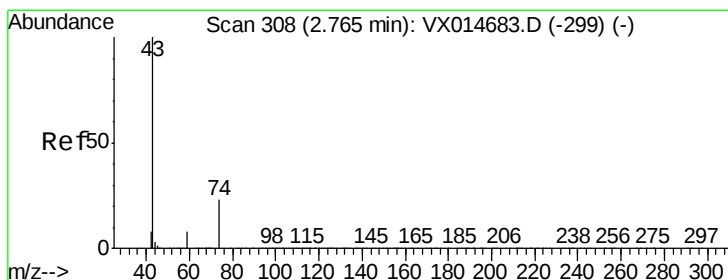
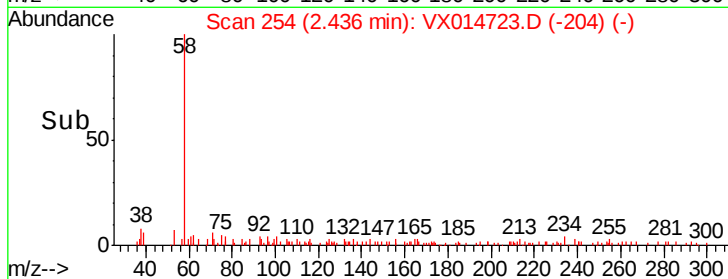
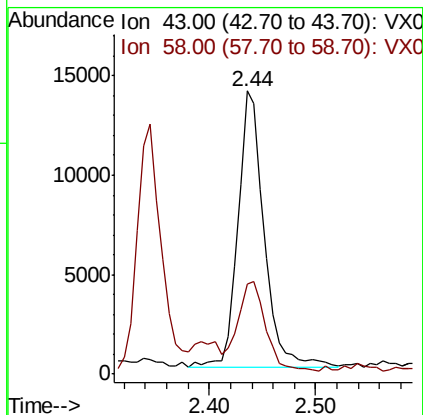
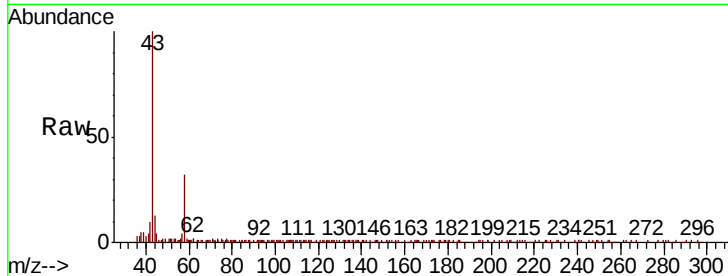




#16
Acetone
Concen: 8.767 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.01 min
Lab File: VX014723.D
Acq: 27 Jan 2020 13:57

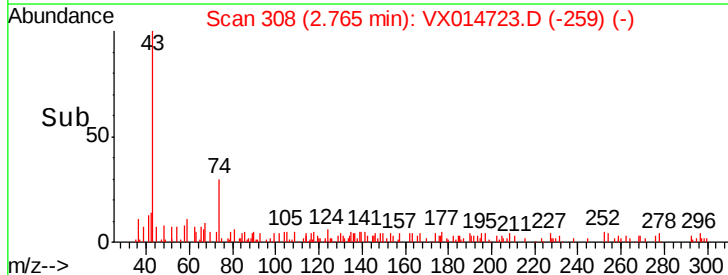
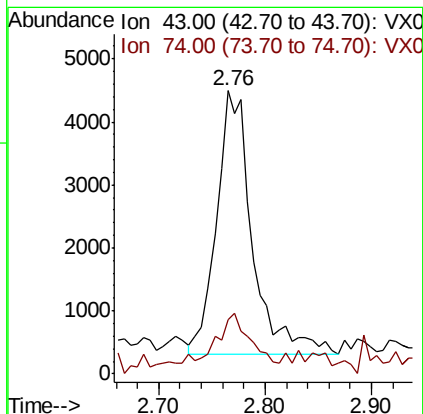
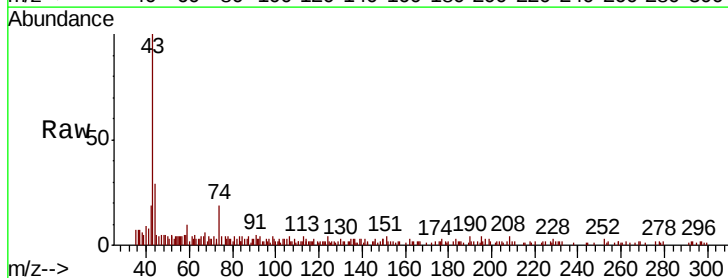
Instrument :
MSVOA_X
ClientSampleId :

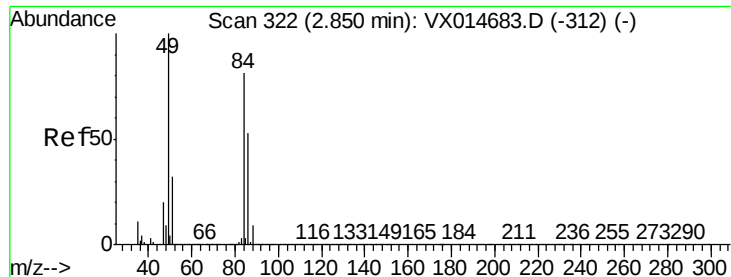
Tot Ion: 43 Resp: 23879
Ion Ratio Lower Upper
43 100
58 31.1 24.5 36.7



#18
Methyl Acetate
Concen: 1.233 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX014723.D
Acq: 27 Jan 2020 13:57

Tgt Ion: 43 Resp: 9745
Ion Ratio Lower Upper
43 100
74 20.5 18.5 27.7

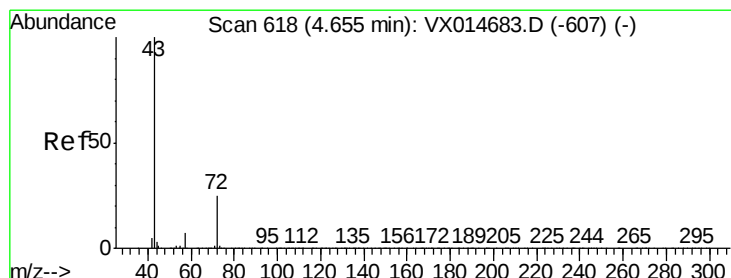
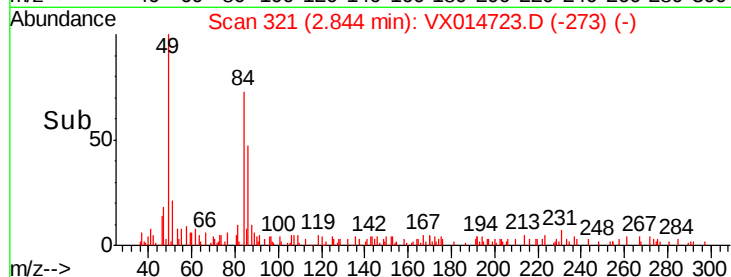
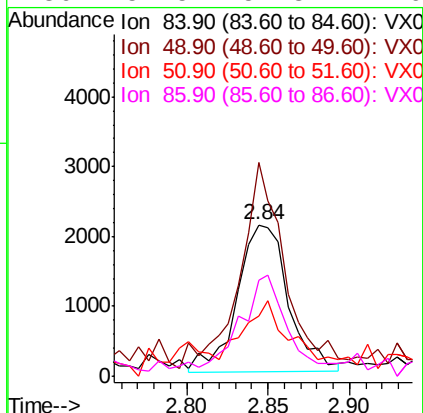
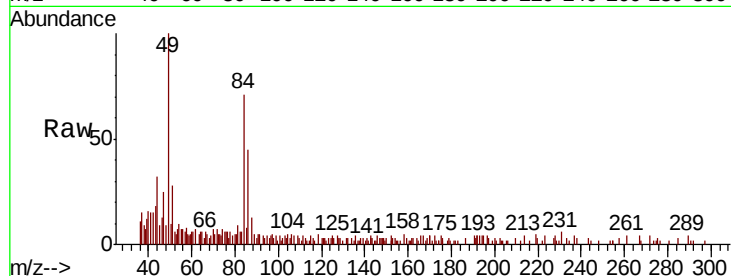




#20
Methvlene Chloride
Concen: 0.897 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014723.D
Acq: 27 Jan 2020 13:57

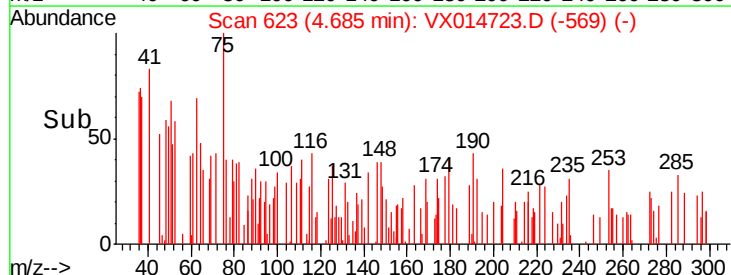
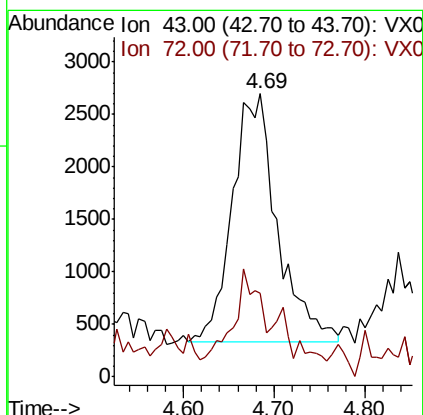
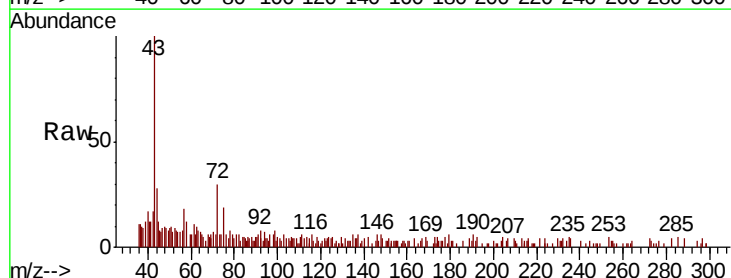
Instrument :
MSVOA_X
ClientSampleId :

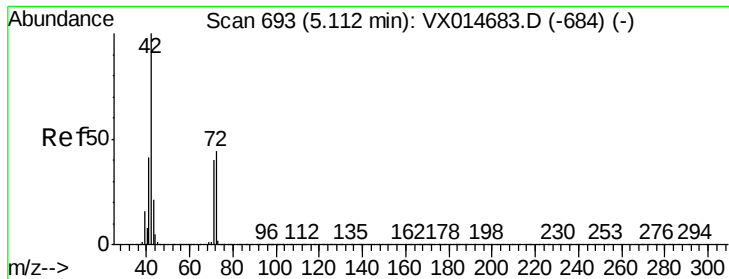
Tot Ion: 84 Resp: 4598
Ion Ratio Lower Upper
84 100
49 137.1 98.2 147.4
51 21.8 31.3 46.9#
86 57.5 51.8 77.6



#25
2-Butanone
Concen: 2.041 ug/l
RT: 4.69 min Scan# 623
Delta R.T. 0.03 min
Lab File: VX014723.D
Acq: 27 Jan 2020 13:57

Tgt Ion: 43 Resp: 8099
Ion Ratio Lower Upper
43 100
72 20.6 19.9 29.9





#29

Tetrahydrofuran

Concen: 0.206 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX014723.D

Acq: 27 Jan 2020 13:57

Instrument :

MSVOA_X

ClientSampled :

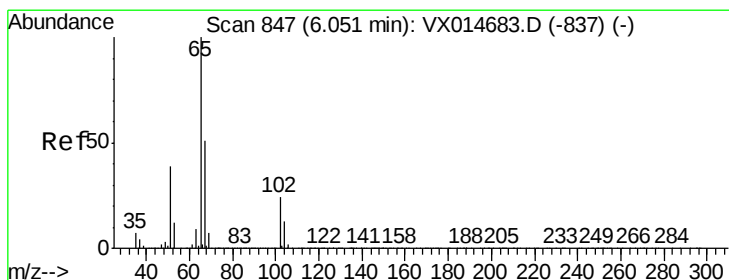
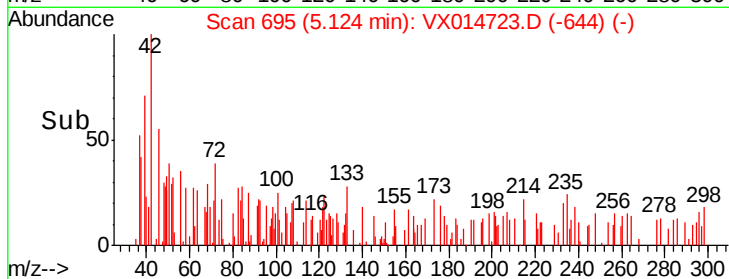
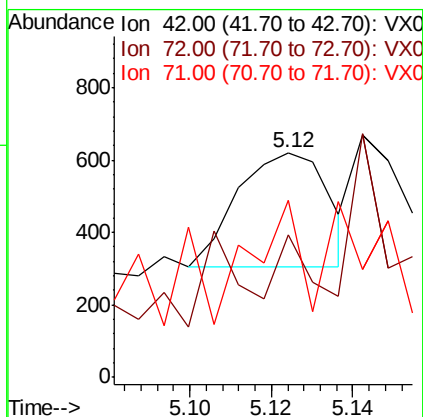
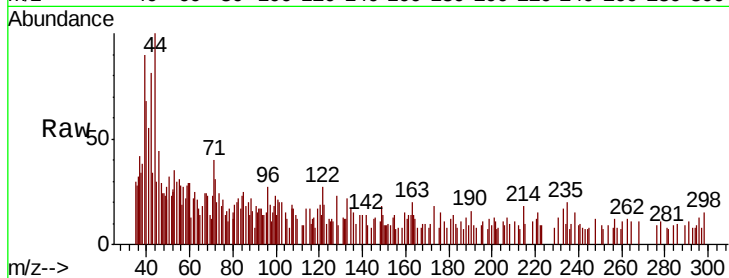
Tot Ion: 42 Resp: 486

Ion Ratio Lower Upper

42 100

72 0.0 35.3 52.9#

71 60.7 33.1 49.7#



#33

1,2-Dichloroethane-d4

Concen: 49.229 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014723.D

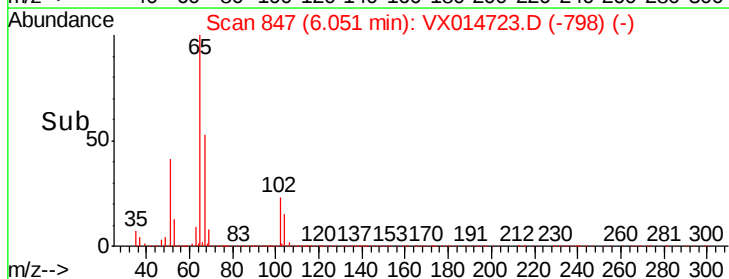
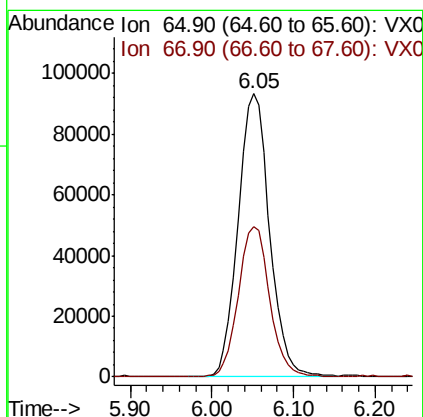
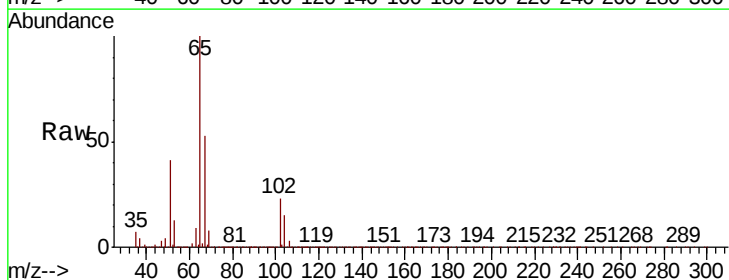
Acq: 27 Jan 2020 13:57

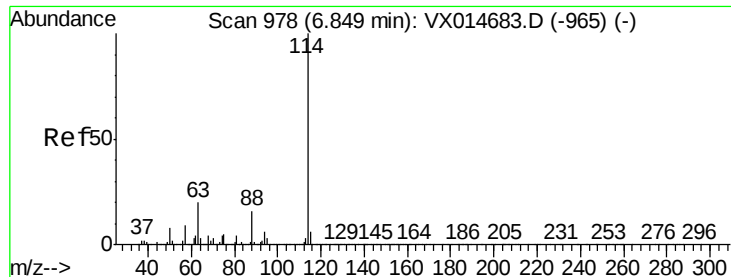
Tgt Ion: 65 Resp: 248771

Ion Ratio Lower Upper

65 100

67 53.4 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

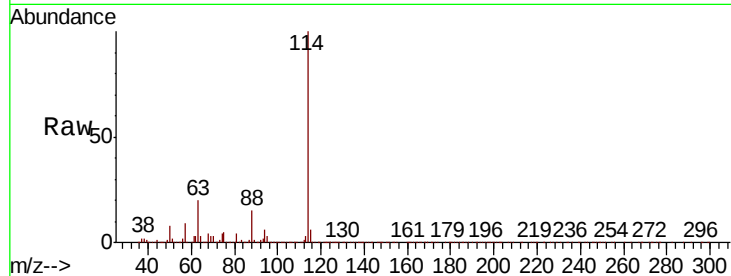
Delta R.T. 0.00 min

Lab File: VX014723.D

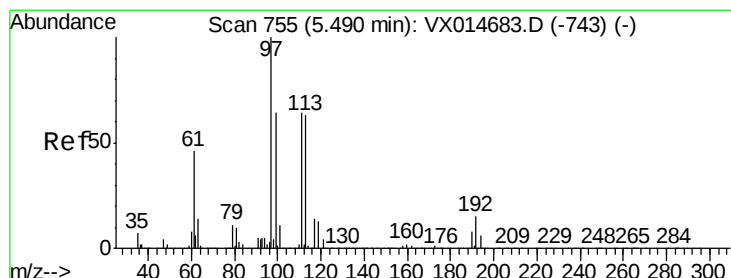
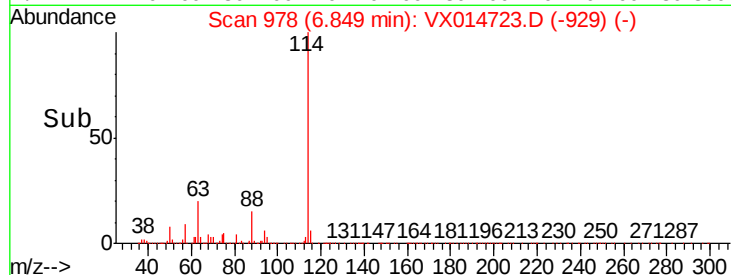
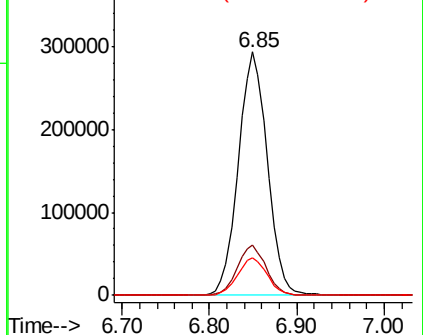
Acq: 27 Jan 2020 13:57

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	114	Resp:	676817
Ion	Ratio	Lower	Upper
114	100		
63	20.4	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



#35

Dibromofluoromethane

Concen: 48.005 ug/l

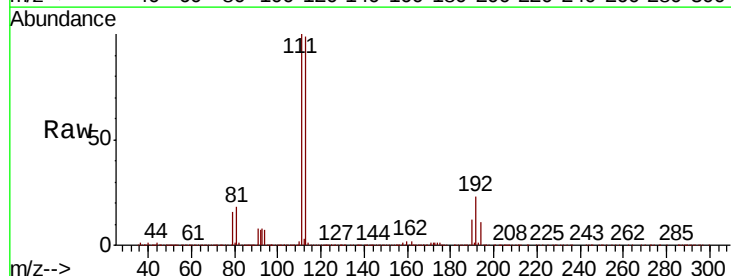
RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

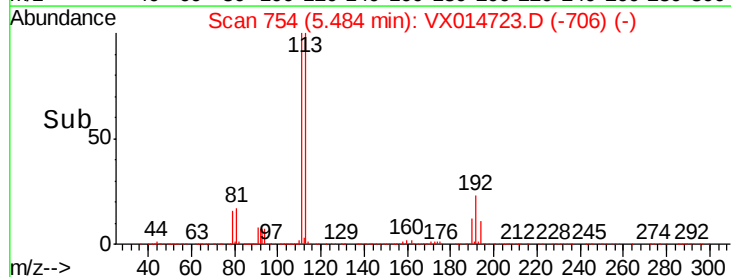
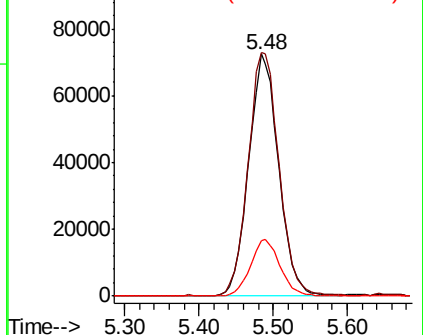
Lab File: VX014723.D

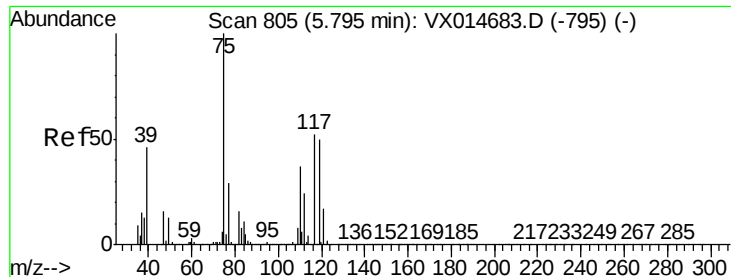
Acq: 27 Jan 2020 13:57

Tgt Ion:	113	Resp:	205012
Ion	Ratio	Lower	Upper
113	100		
111	102.9	80.7	121.1
192	23.1	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: 4.758 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.15 min

Lab File: VX014723.D

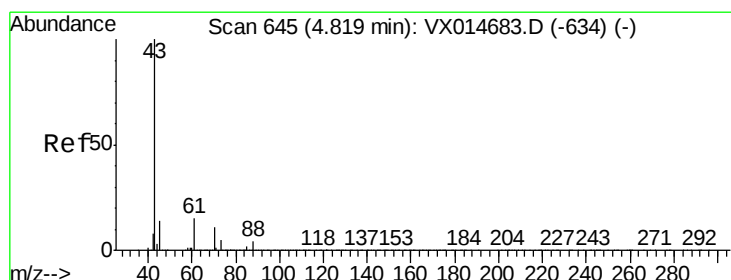
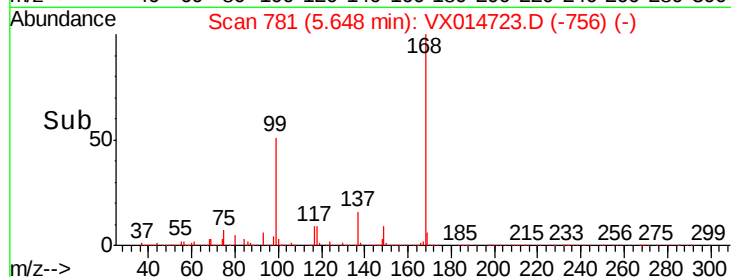
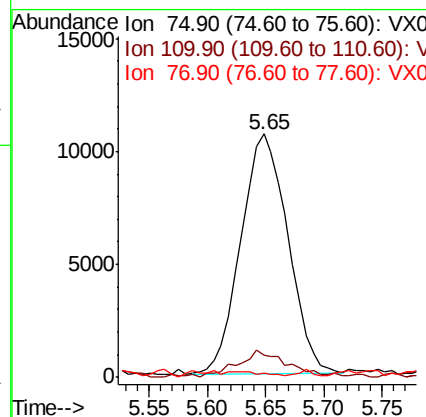
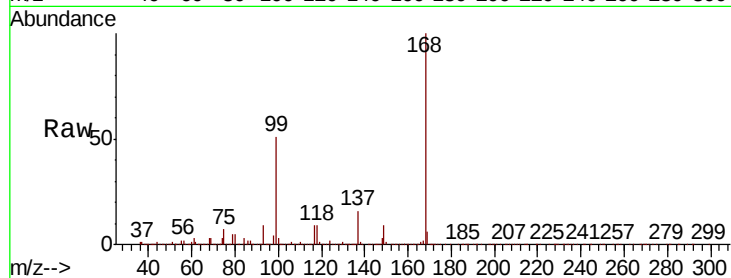
Acq: 27 Jan 2020 13:57

Instrument :

MSVOA_X

ClientSampled :

Tot Ion:	75	Resp:	29921
Ion	Ratio	Lower	Upper
75	100		
110	11.9	17.9	53.7#
77	0.0	24.1	36.1#



#37

Ethyl Acetate

Concen: 0.280 ug/l

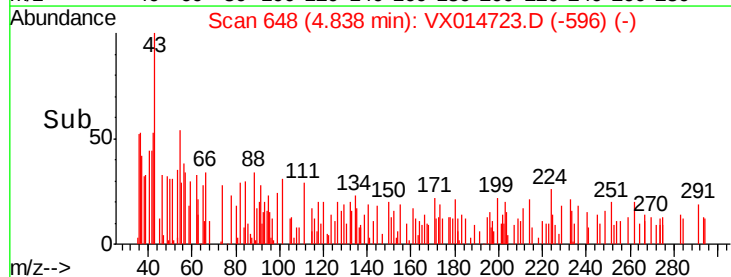
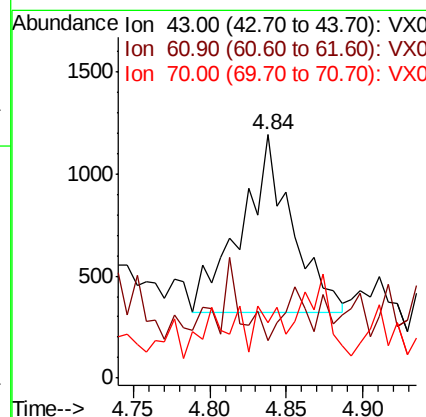
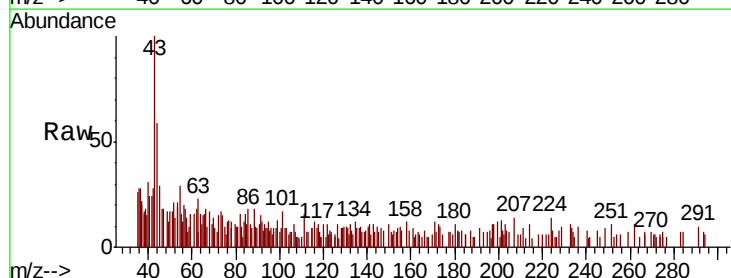
RT: 4.84 min Scan# 648

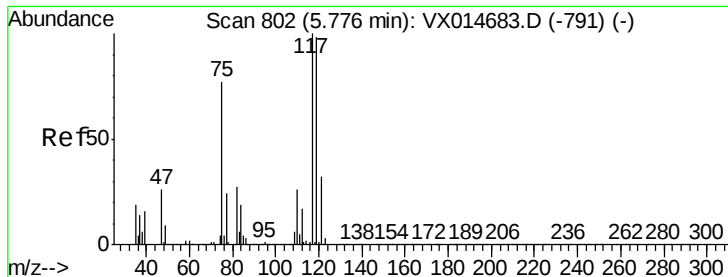
Delta R.T. 0.02 min

Lab File: VX014723.D

Acq: 27 Jan 2020 13:57

Tgt Ion:	43	Resp:	2017
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.0	16.4#
70	13.8	8.5	12.7#

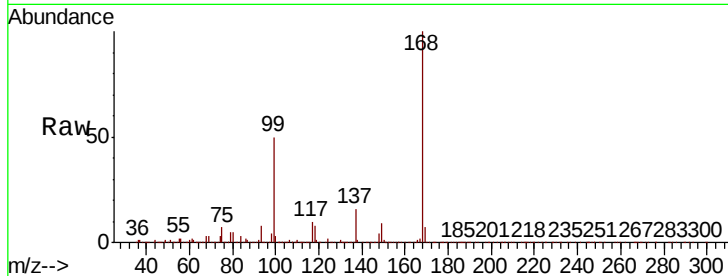




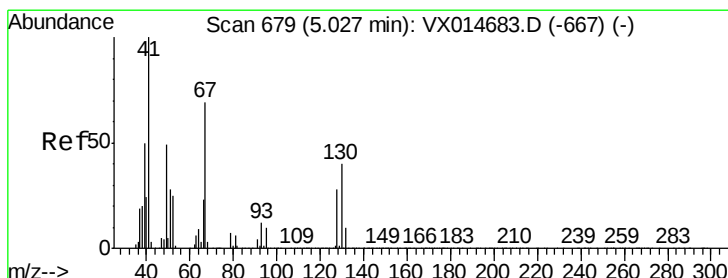
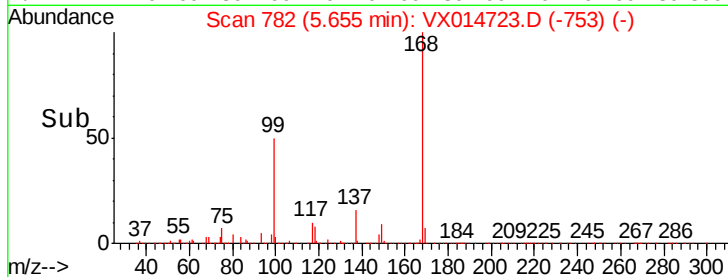
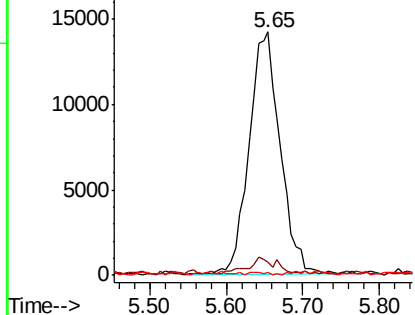
#38
Carbon Tetrachloride
Concen: 6.730 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX014723.D
Acq: 27 Jan 2020 13:57

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 40420
Ion Ratio Lower Upper
117 100
119 4.7 77.9 116.9#
121 1.1 25.4 38.2#

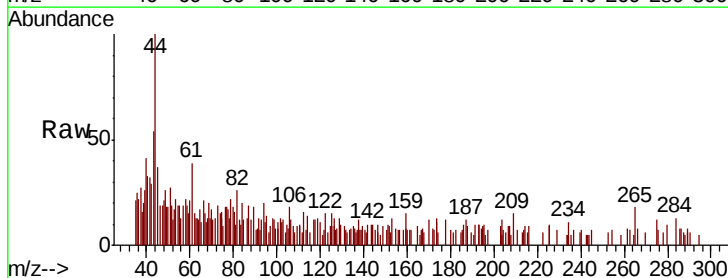


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

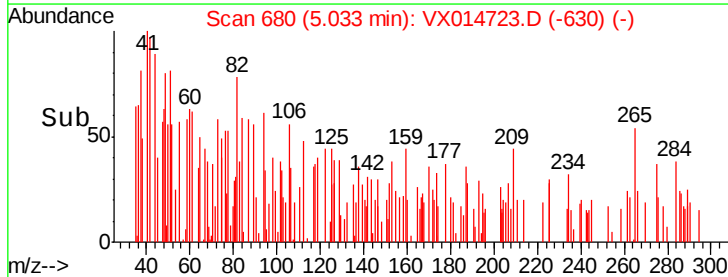
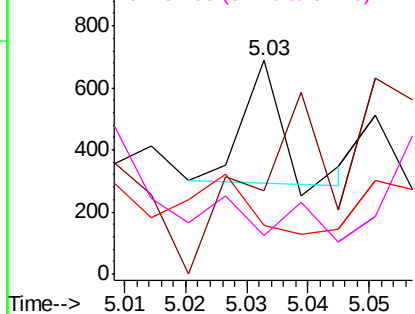


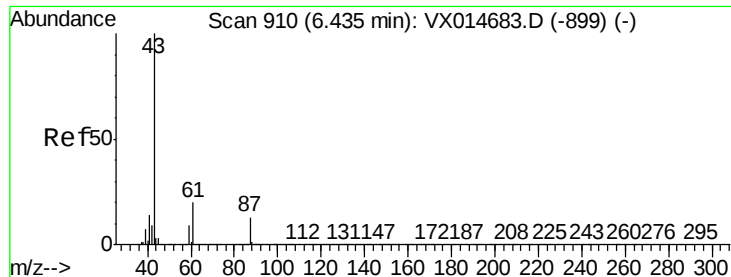
#41
Methacrylonitrile
Concen: Below Cal
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX014723.D
Acq: 27 Jan 2020 13:57

Tgt Ion: 41 Resp: 169
Ion Ratio Lower Upper
41 100
39 0.0 42.2 63.2#
67 132.0 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: 0.290 ug/l

RT: 6.25 min Scan# 879

Delta R.T. -0.19 min

Lab File: VX014723.D

Acq: 27 Jan 2020 13:57

Instrument :

MSVOA_X

ClientSampled :

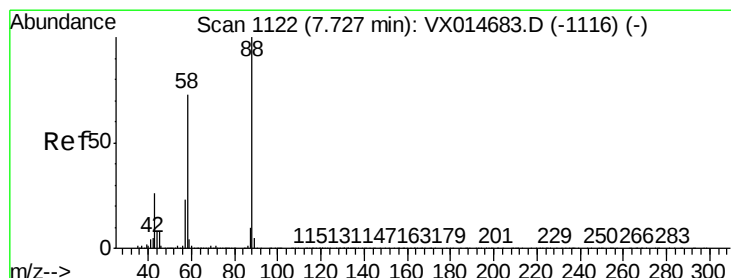
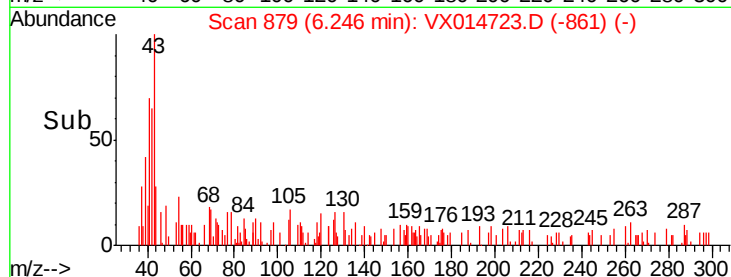
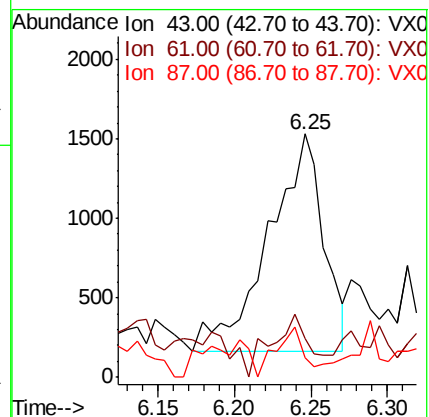
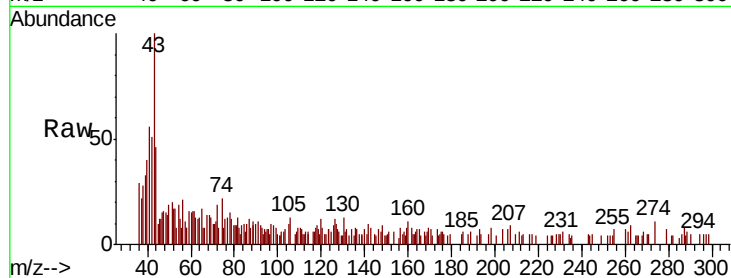
Tot Ion: 43 Resp: 3415

Ion Ratio Lower Upper

43 100

61 19.8 16.2 24.4

87 11.5 10.5 15.7



#49

1,4-Dioxane

Concen: 0.904 ug/l

RT: 7.70 min Scan# 1118

Delta R.T. -0.02 min

Lab File: VX014723.D

Acq: 27 Jan 2020 13:57

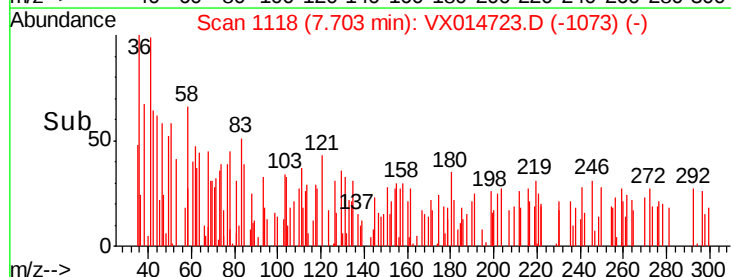
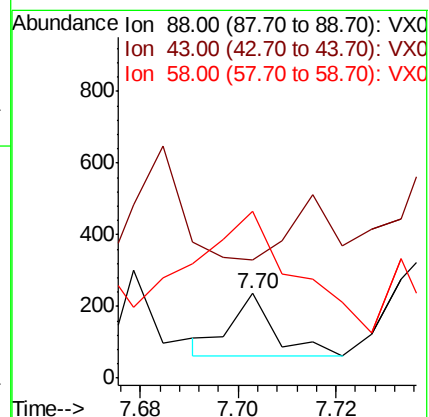
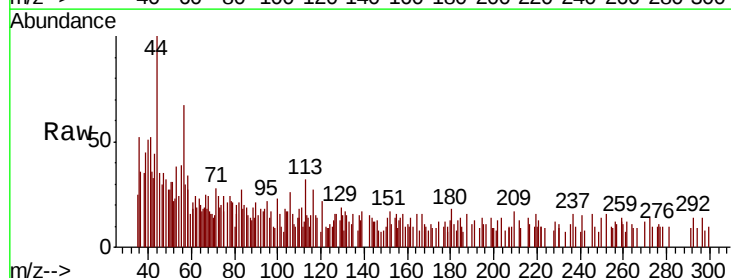
Tgt Ion: 88 Resp: 108

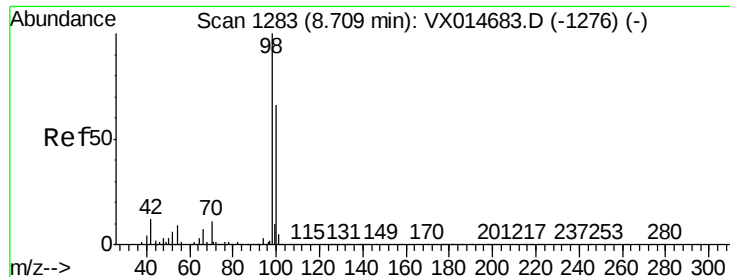
Ion Ratio Lower Upper

88 100

43 93.5 26.2 39.2#

58 460.2 56.6 85.0#

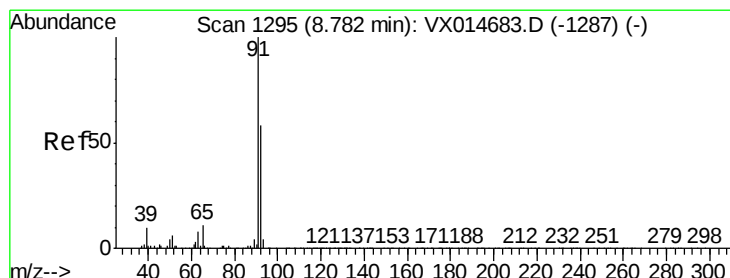
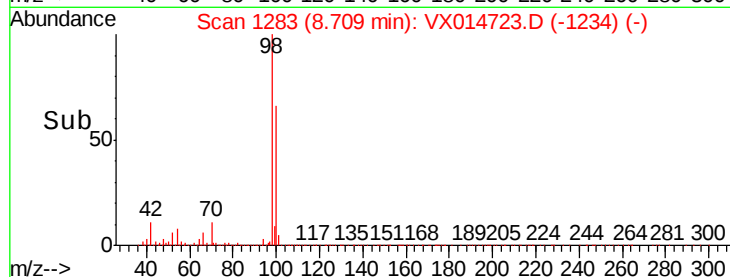
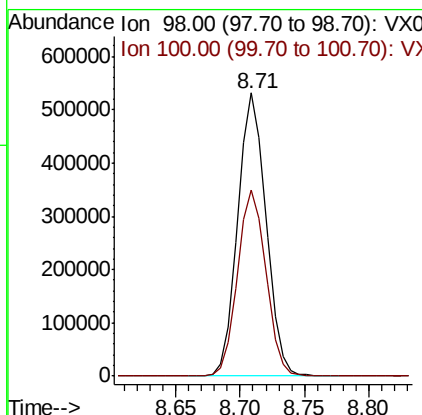
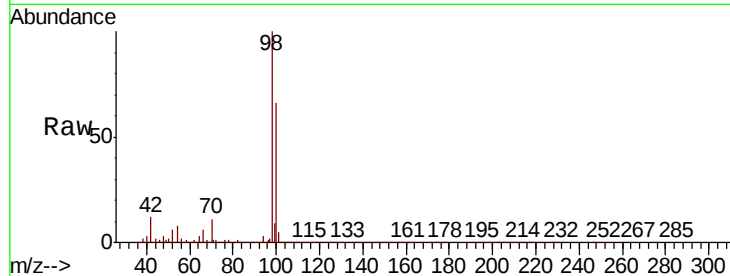




#50
Toluene-d8
Concen: 49.398 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014723.D
Acq: 27 Jan 2020 13:57

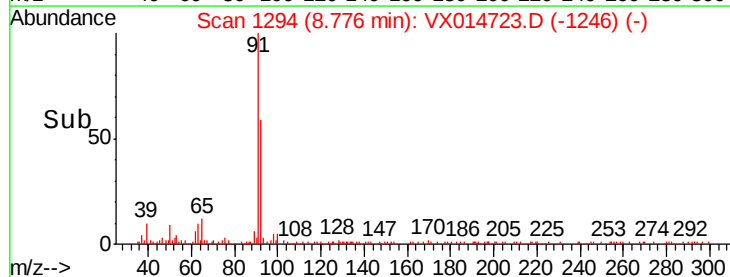
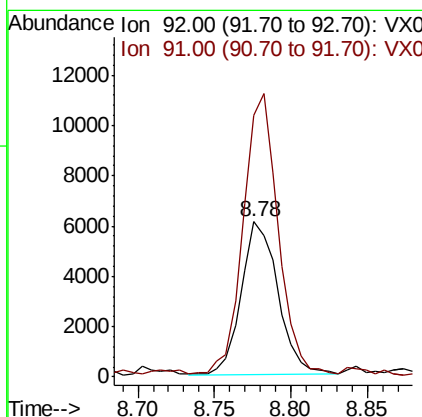
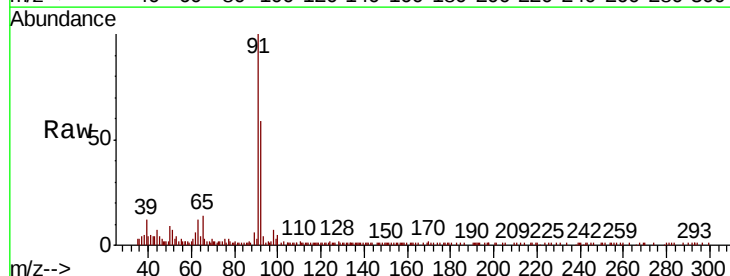
Instrument :
MSVOA_X
ClientSampleId :

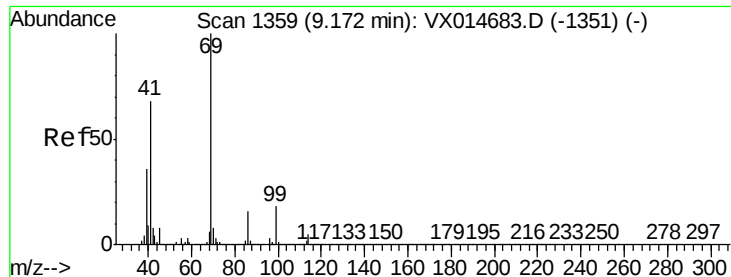
Tot Ion: 98 Resp: 811030
Ion Ratio Lower Upper
98 100
100 66.0 53.0 79.6



#52
Toluene
Concen: 0.848 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.01 min
Lab File: VX014723.D
Acq: 27 Jan 2020 13:57

Tgt Ion: 92 Resp: 10125
Ion Ratio Lower Upper
92 100
91 174.2 135.9 203.9

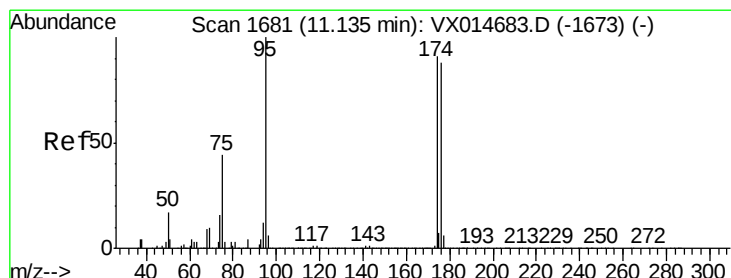
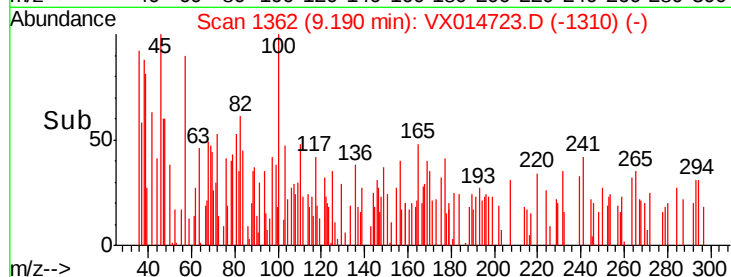
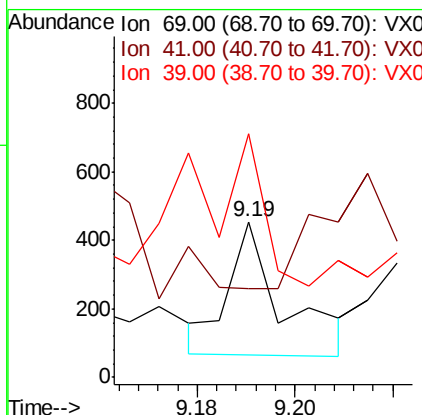
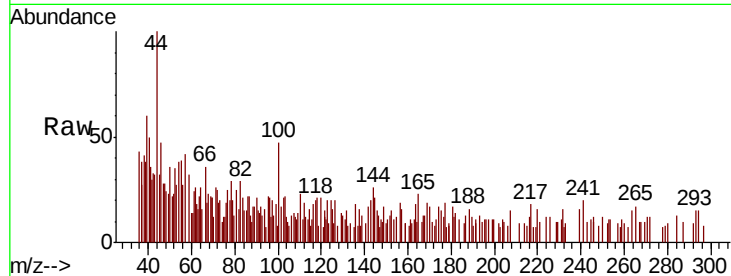




#56
Ethyl methacrylate
Concen: 1.820 ug/l
RT: 9.19 min Scan# 1362
Delta R.T. 0.02 min
Lab File: VX014723.D
Acq: 27 Jan 2020 13:57

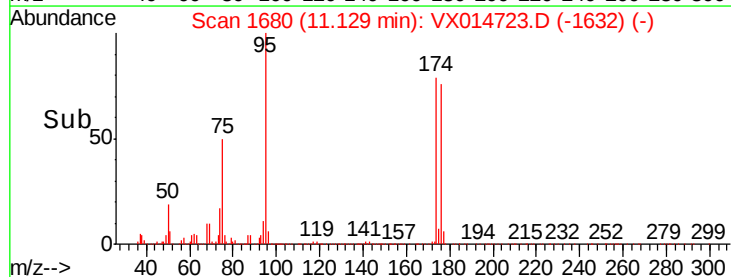
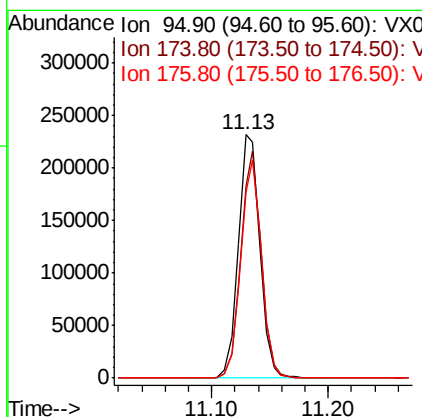
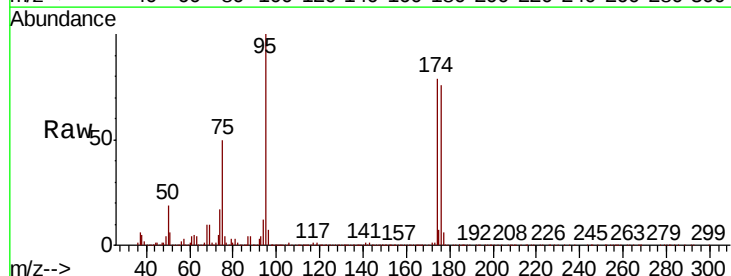
Instrument :
MSVOA_X
ClientSampled :

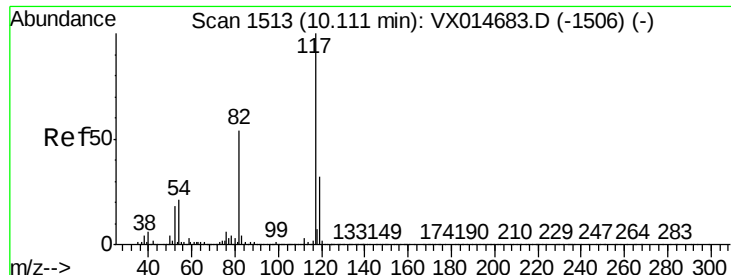
Tot Ion: 69 Resp: 303
Ion Ratio Lower Upper
69 100
41 0.0 54.9 82.3#
39 145.2 29.3 43.9#



#62
4-Bromofluorobenzene
Concen: 50.828 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014723.D
Acq: 27 Jan 2020 13:57

Tgt Ion: 95 Resp: 297271
Ion Ratio Lower Upper
95 100
174 89.0 0.0 176.0
176 86.5 0.0 172.2

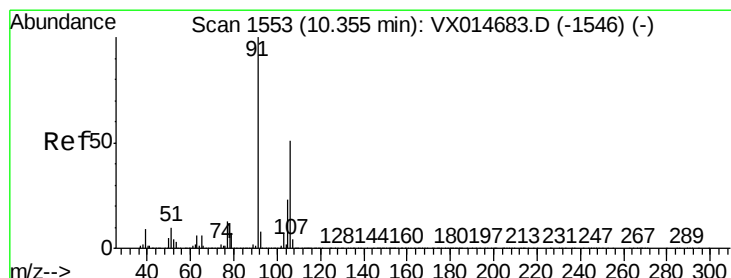
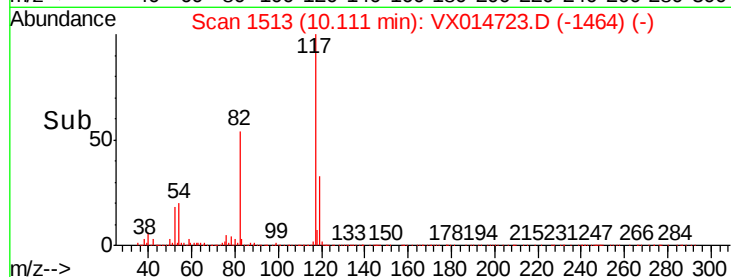
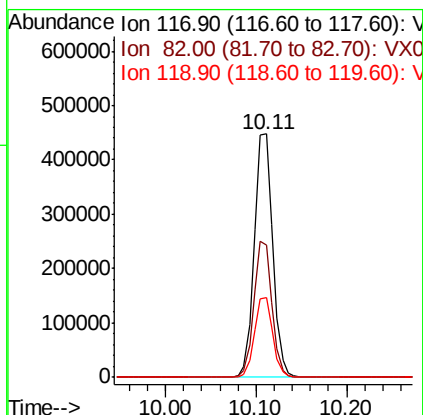
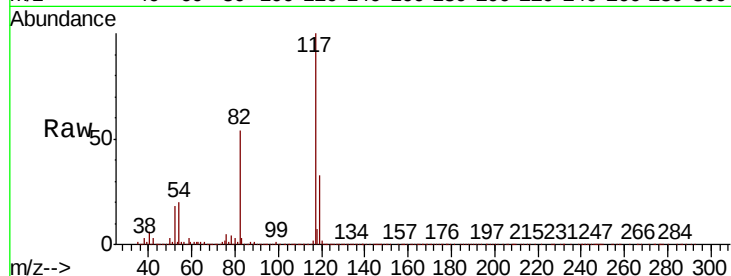




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014723.D
Acq: 27 Jan 2020 13:57

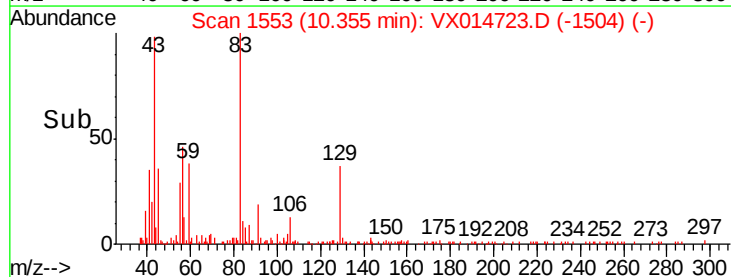
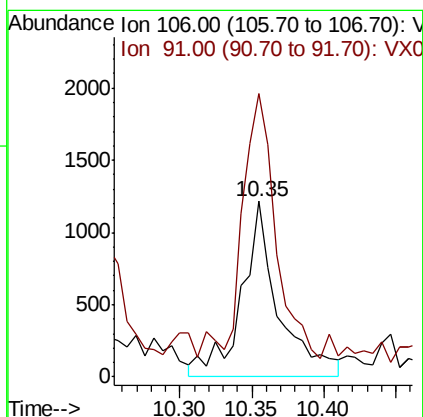
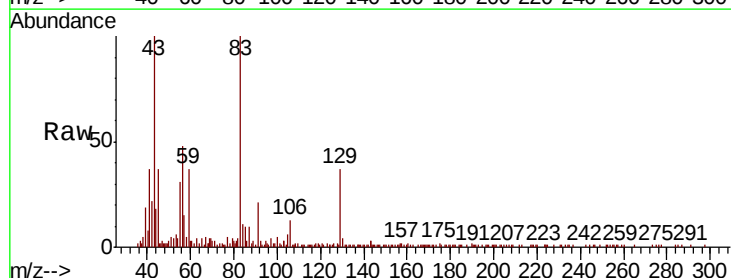
Instrument :
MSVOA_X
ClientSampled :

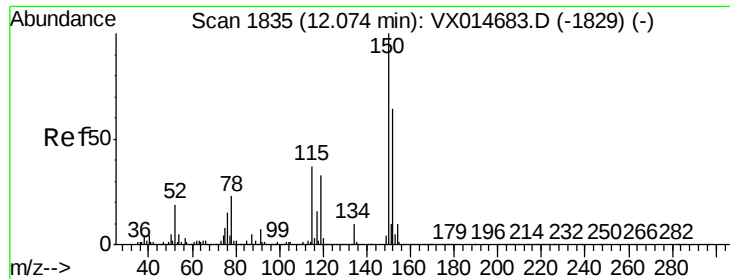
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.2	64.8
119	32.7	25.8	38.6



#68
m/p-Xylenes
Concen: 0.249 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014723.D
Acq: 27 Jan 2020 13:57

Tgt Ion	Ratio	Lower	Upper
106	100		
91	131.9	159.4	239.2



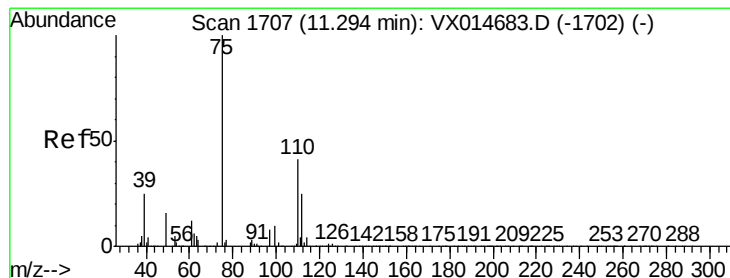
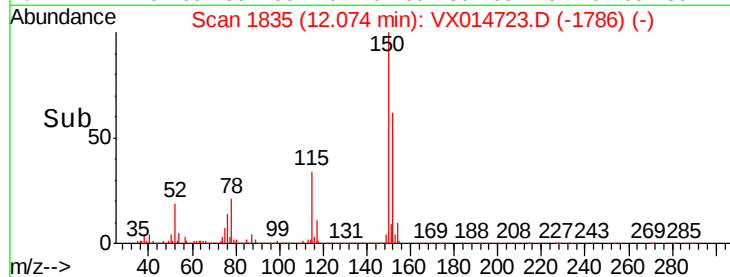
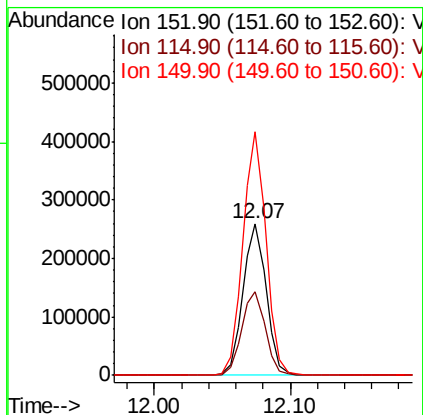
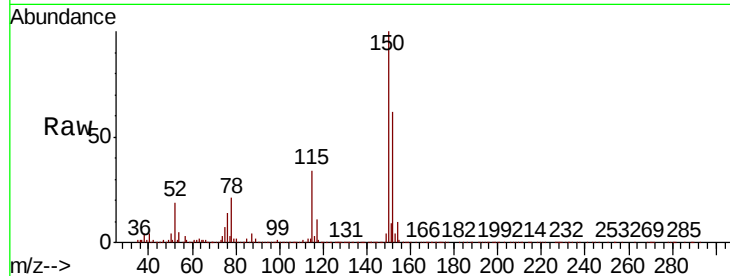


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014723.D
Acq: 27 Jan 2020 13:57

Instrument :
MSVOA_X
ClientSampled :

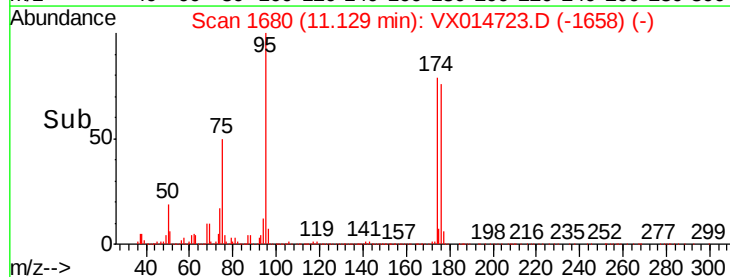
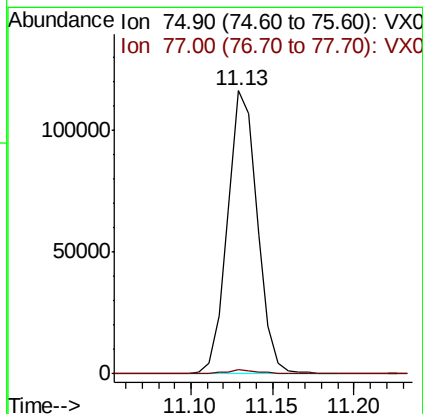
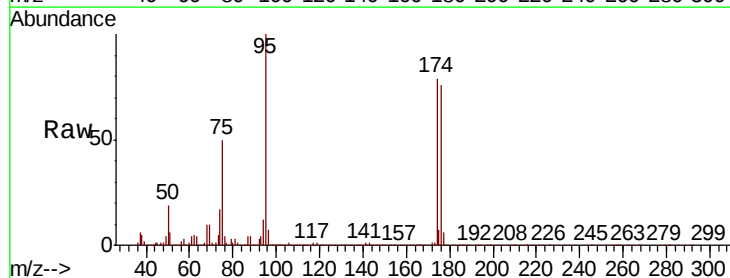
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.5	39.4	118.1
150	159.2	0.0	351.2

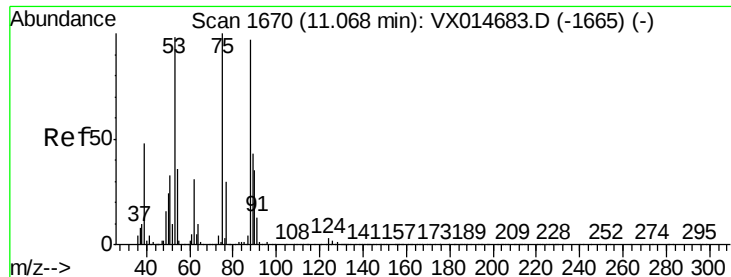


#76

1,2,3-Trichloropropane
Concen: 20.379 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX014723.D
Acq: 27 Jan 2020 13:57

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	18.7	56.1





#81

trans-1,4-Dichloro-2-butene

Concen: 57.996 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014723.D

Acq: 27 Jan 2020 13:57

Instrument :

MSVOA_X

ClientSampleId :

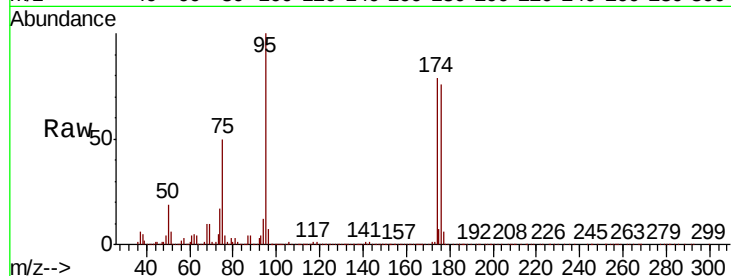
Tot Ion: 75 Resp: 146216

Ion Ratio Lower Upper

75 100

53 0.4 78.8 118.2#

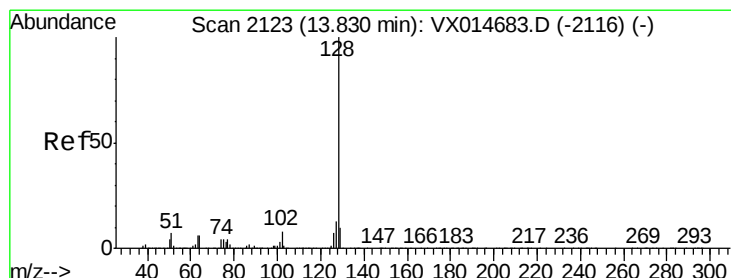
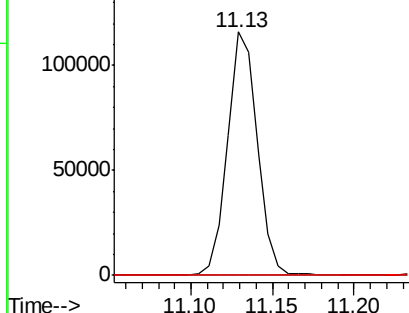
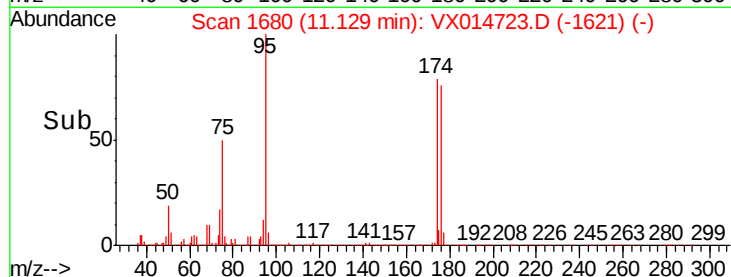
89 0.1 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#95

Naphthalene

Concen: 1.007 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014723.D

Acq: 27 Jan 2020 13:57

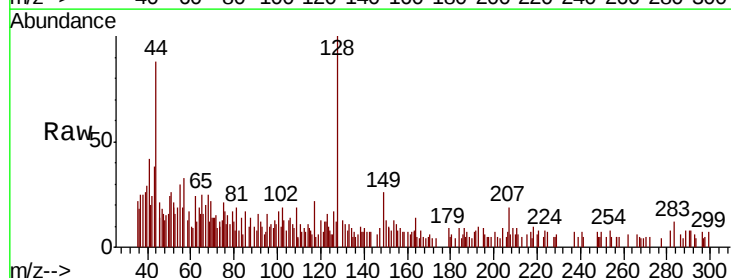
Tgt Ion:128 Resp: 1652

Ion Ratio Lower Upper

128 100

127 25.7 10.3 15.5#

129 15.4 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

