

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012720\
 Data File : VX014719.D
 Acq On : 27 Jan 2020 12:24
 Operator : JC/SP
 Sample : L1245-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 28 03:13:53 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	444109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	691373	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	637335	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	282607	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	261046	50.34	ug/l	0.00
Spiked Amount			Recovery	=	100.68%	
35) Dibromofluoromethane	5.49	113	215365	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
50) Toluene-d8	8.71	98	826558	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	
62) 4-Bromofluorobenzene	11.14	95	278343	46.59	ug/l	0.00
Spiked Amount			Recovery	=	93.18%	

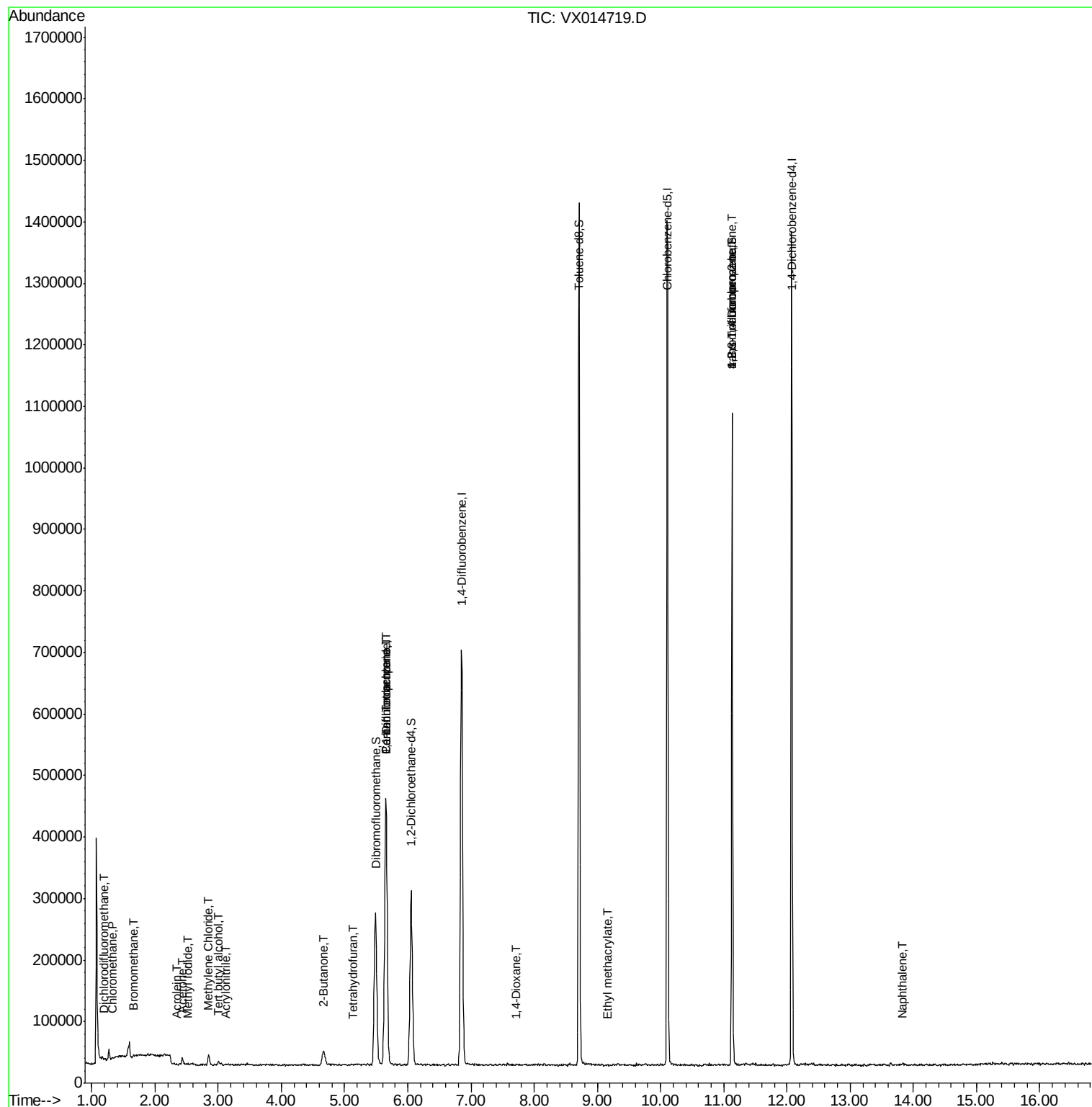
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	244	0.572	ug/l #	42
3) Chloromethane	1.32	50	1269	0.211	ug/l	99
5) Bromomethane	1.65	94	1996	0.452	ug/l	88
6) Chloroethane	1.71	64	1084	Below Cal		95
10) Methyl Iodide	2.51	142	1484	0.255	ug/l #	76
11) Tert butyl alcohol	3.01	59	5587	4.798	ug/l #	85
13) Acrolein	2.33	56	412	0.449	ug/l #	14
15) Acrylonitrile	3.12	53	676	0.251	ug/l #	44
16) Acetone	2.43	43	12349	4.492	ug/l	91
20) Methylene Chloride	2.85	84	7958	1.513	ug/l	95
25) 2-Butanone	4.67	43	3094	0.760	ug/l #	73
29) Tetrahydrofuran	5.13	42	906	0.375	ug/l #	59
36) 1,1-Dichloropropene	5.65	75	31789	4.948	ug/l #	52
38) Carbon Tetrachloride	5.66	117	38968	6.351	ug/l #	15
41) Methacrylonitrile	5.04	41	199	Below Cal	#	44
49) 1,4-Dioxane	7.73	88	105	0.860	ug/l #	1
56) Ethyl methacrylate	9.17	69	862	1.883	ug/l #	80
76) 1,2,3-Trichloropropane	11.13	75	136327	20.734	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	136327	59.005	ug/l #	11
95) Naphthalene	13.83	128	1551	1.008	ug/l #	57

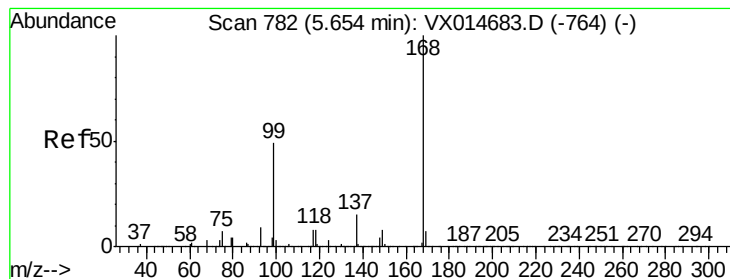
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX014719.D

Acq: 27 Jan 2020 12:24

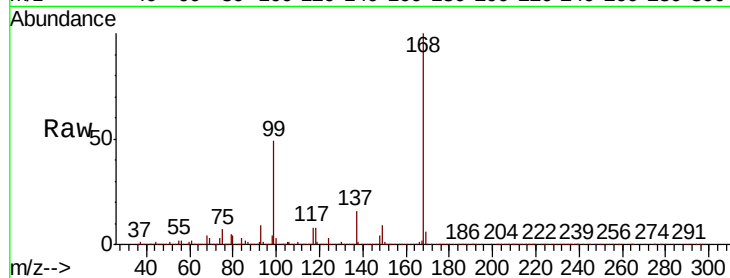
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 444109

Ion Ratio Lower Upper

168 100

99 49.4 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

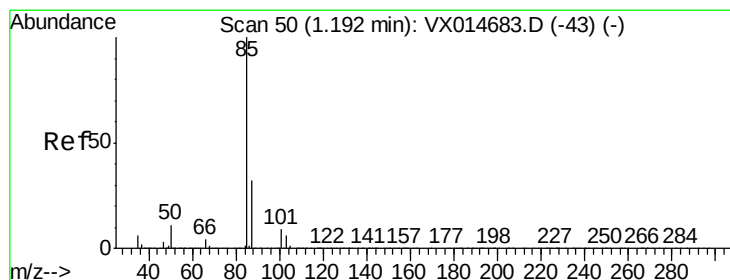
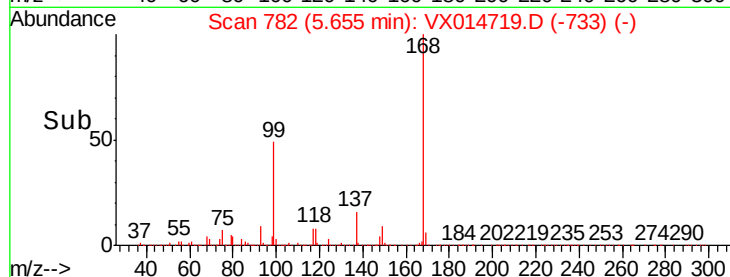
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.572 ug/l

RT: 1.20 min Scan# 51

Delta R.T. 0.01 min

Lab File: VX014719.D

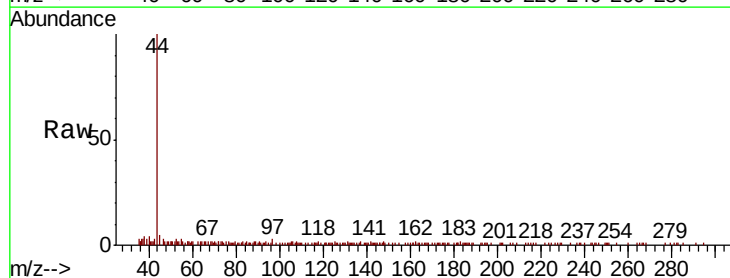
Acq: 27 Jan 2020 12:24

Tgt Ion: 85 Resp: 244

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

300

250

200

150

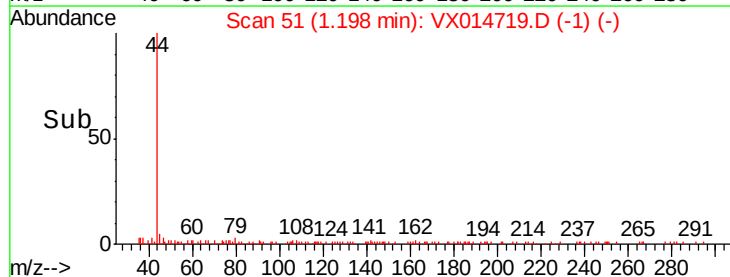
100

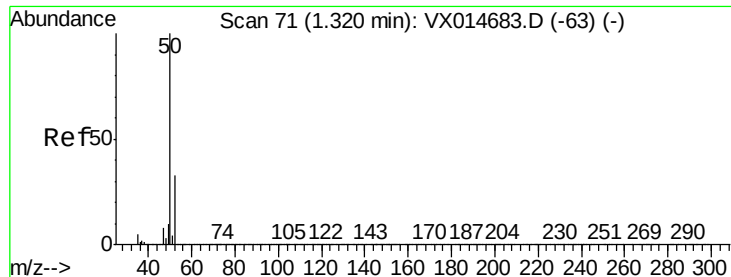
50

0

Time-->

1.17 1.18 1.19 1.20 1.21





#3

Chloromethane

Concen: 0.211 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014719.D

Acq: 27 Jan 2020 12:24

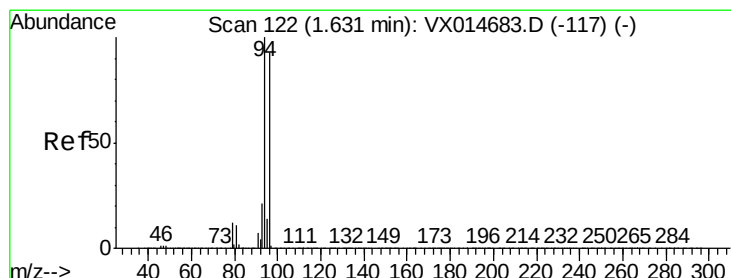
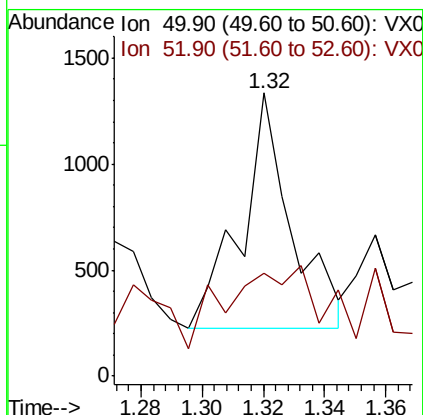
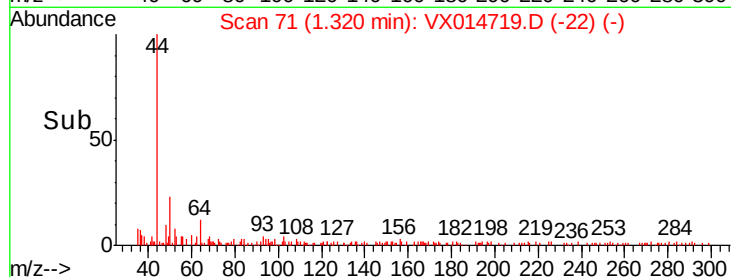
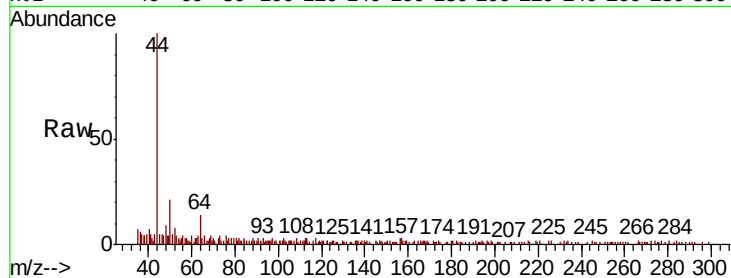
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 50 Resp: 1269

Ion Ratio Lower Upper

50 100

52 32.1 26.2 39.2



#5

Bromomethane

Concen: 0.452 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX014719.D

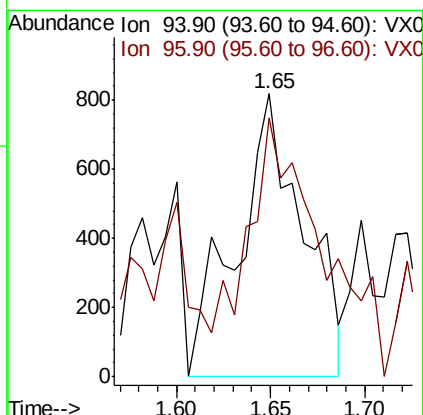
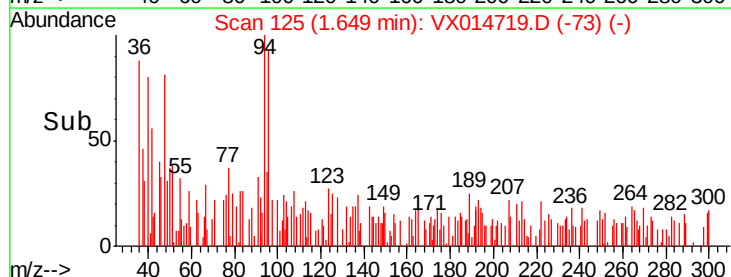
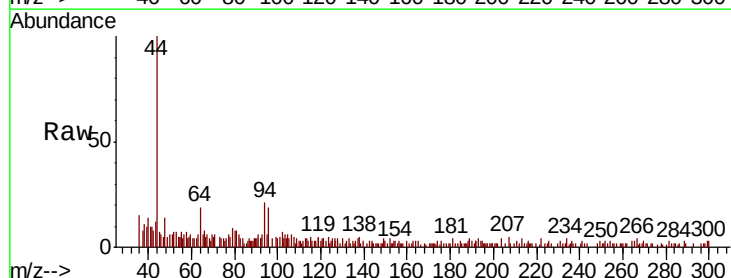
Acq: 27 Jan 2020 12:24

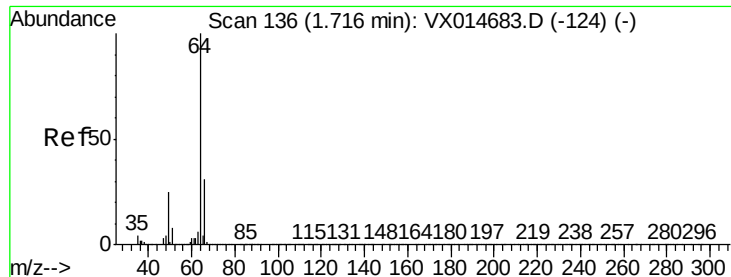
Tgt Ion: 94 Resp: 1996

Ion Ratio Lower Upper

94 100

96 81.8 74.7 112.1





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 135

Delta R.T. -0.01 min

Lab File: VX014719.D

Acq: 27 Jan 2020 12:24

Instrument :

MSVOA_X

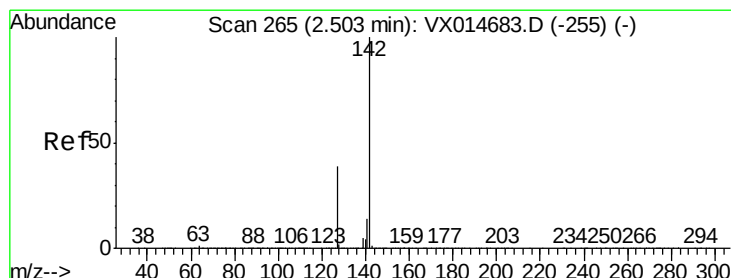
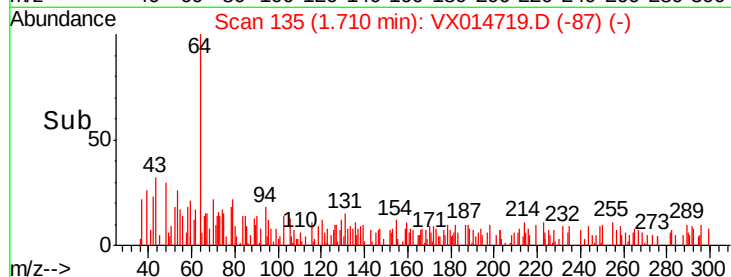
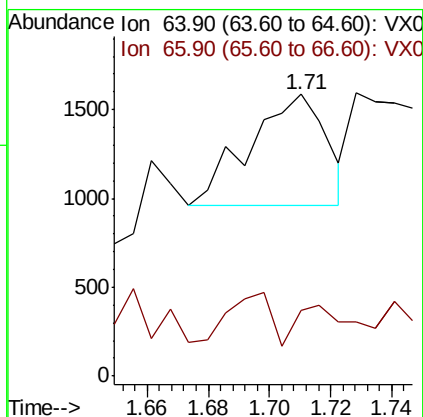
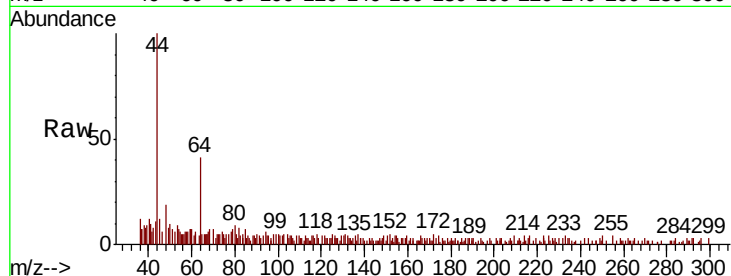
ClientSampleId :

Tot Ion: 64 Resp: 1084

Ion Ratio Lower Upper

64 100

66 28.5 25.2 37.8



#10

Methyl Iodide

Concen: 0.255 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX014719.D

Acq: 27 Jan 2020 12:24

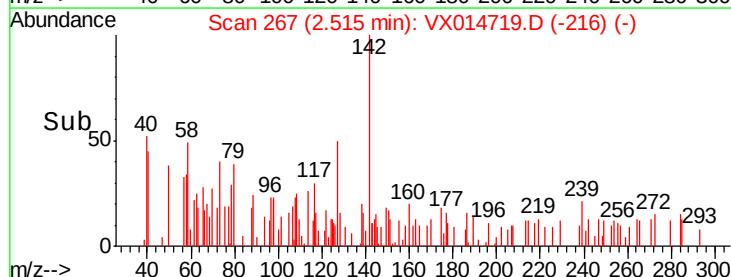
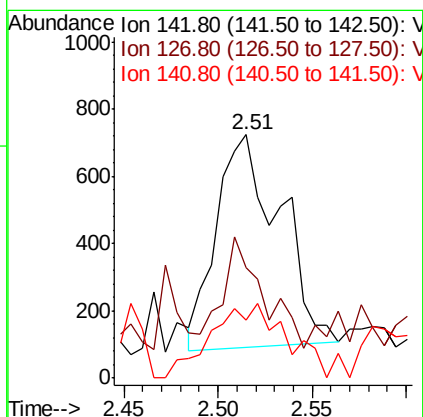
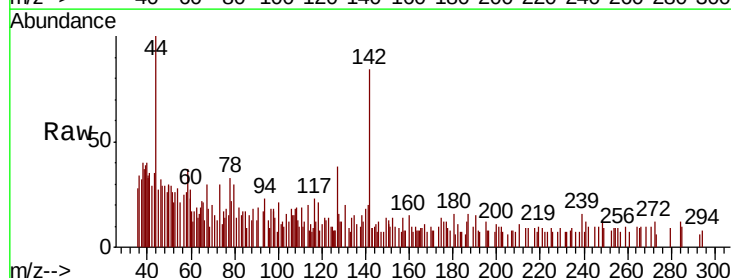
Tgt Ion: 142 Resp: 1484

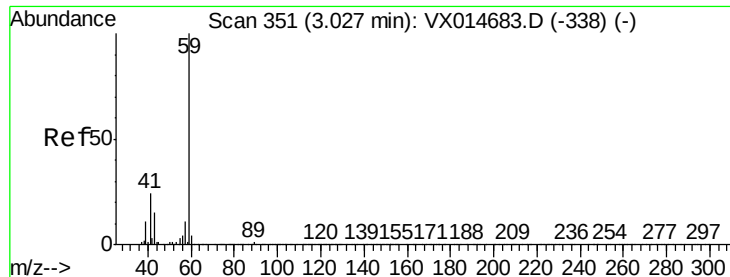
Ion Ratio Lower Upper

142 100

127 33.3 31.1 46.7

141 41.2 11.3 16.9#



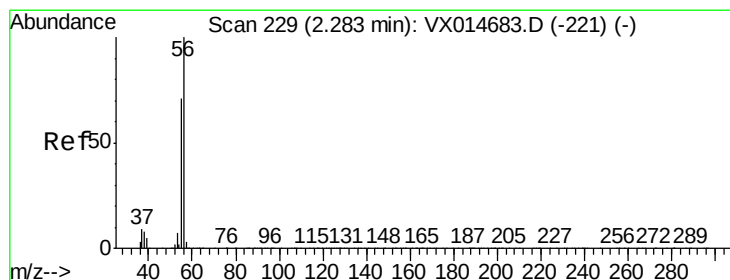
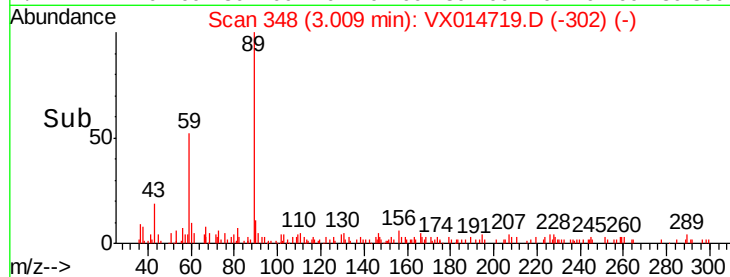
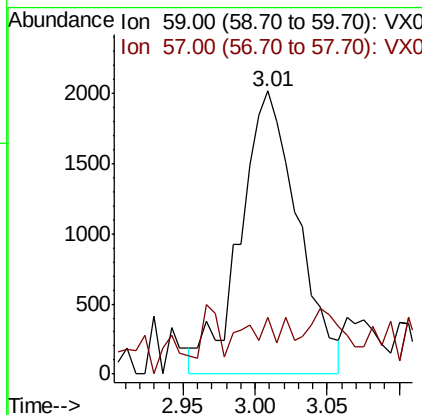
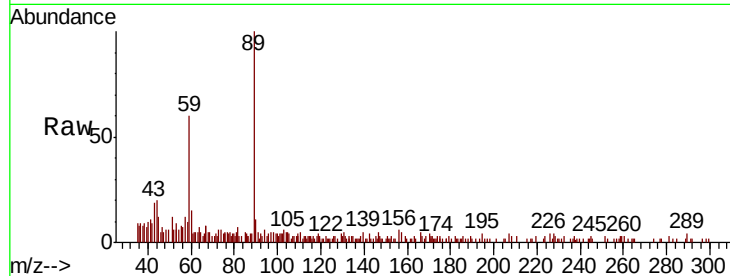


#11

Tert butyl alcohol
Concen: 4.798 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX014719.D
Acq: 27 Jan 2020 12:24

Instrument :
MSVOA_X
ClientSampled :

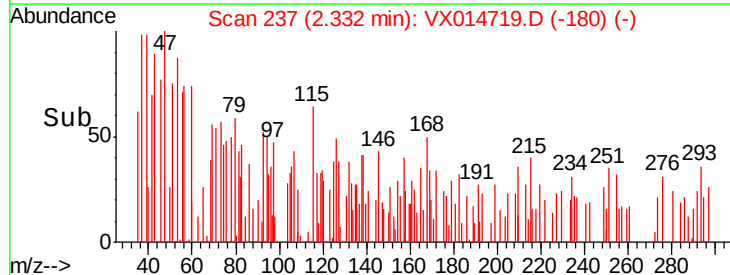
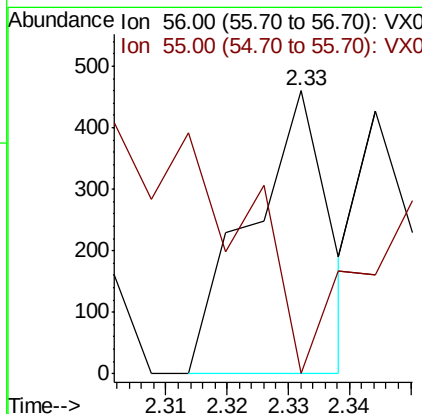
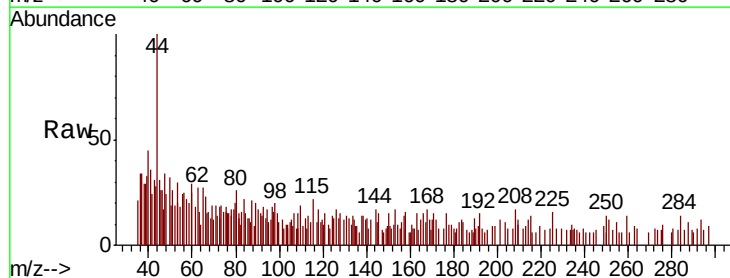
Tot Ion: 59 Resp: 5587
Ion Ratio Lower Upper
59 100
57 4.7 8.3 12.5#

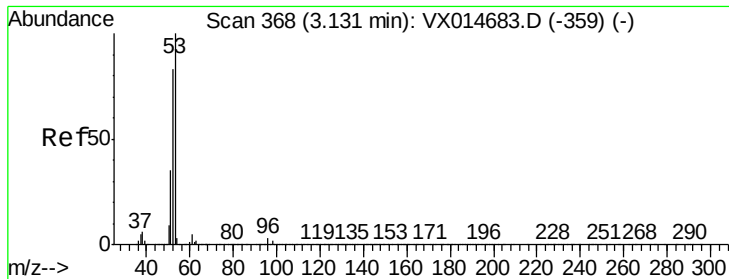


#13

Acrolein
Concen: 0.449 ug/l
RT: 2.33 min Scan# 237
Delta R.T. 0.05 min
Lab File: VX014719.D
Acq: 27 Jan 2020 12:24

Tgt Ion: 56 Resp: 412
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#





#15

Acrylonitrile

Concen: 0.251 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX014719.D

Acq: 27 Jan 2020 12:24

Instrument :

MSVOA_X

ClientSampled :

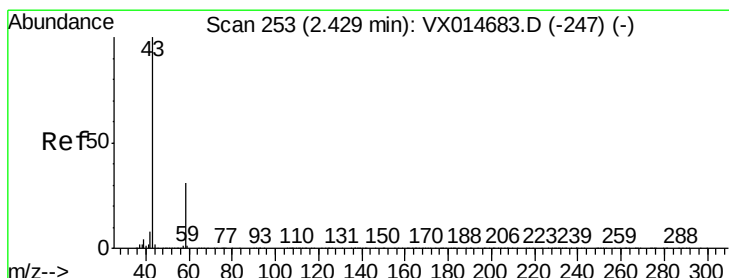
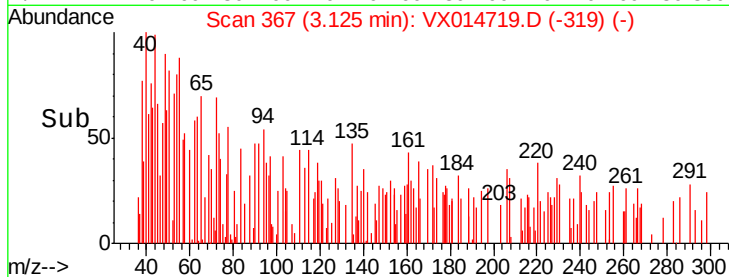
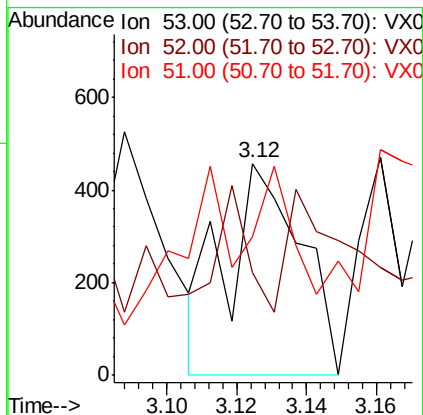
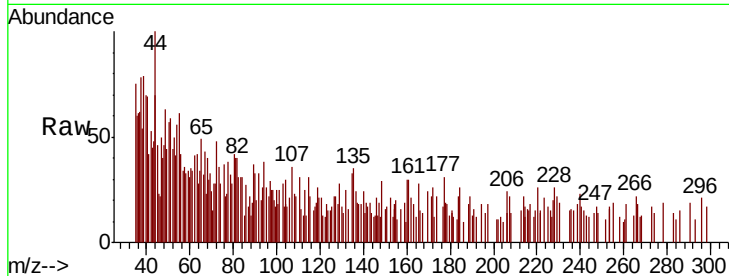
Tot Ion: 53 Resp: 676

Ion Ratio Lower Upper

53 100

52 22.9 66.4 99.6#

51 53.7 28.7 43.1#



#16

Acetone

Concen: 4.492 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014719.D

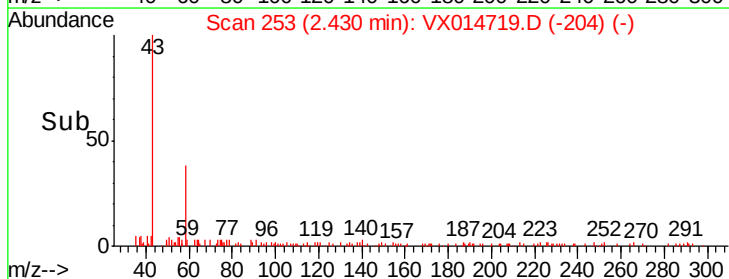
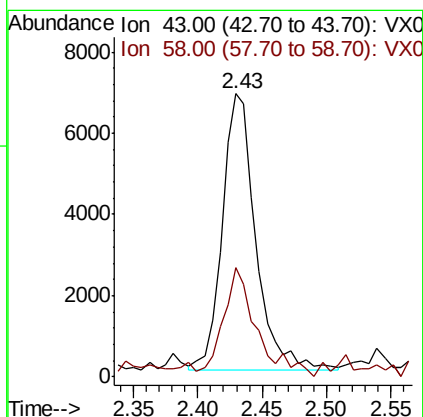
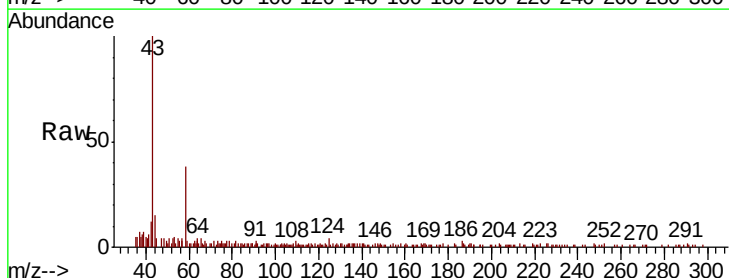
Acq: 27 Jan 2020 12:24

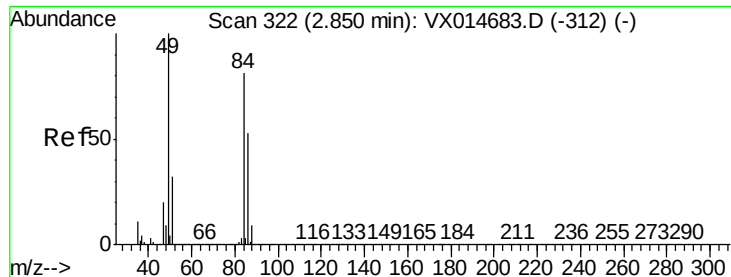
Tgt Ion: 43 Resp: 12349

Ion Ratio Lower Upper

43 100

58 35.5 24.5 36.7

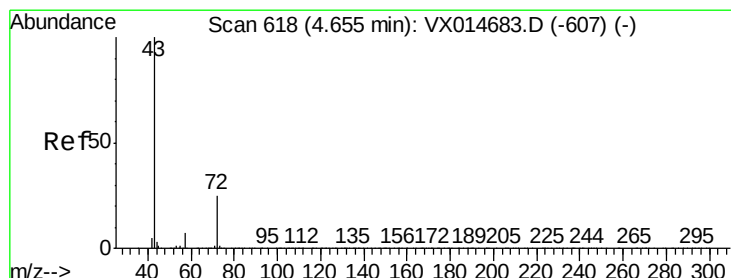
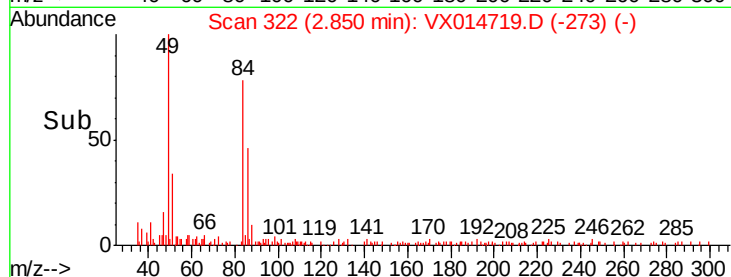
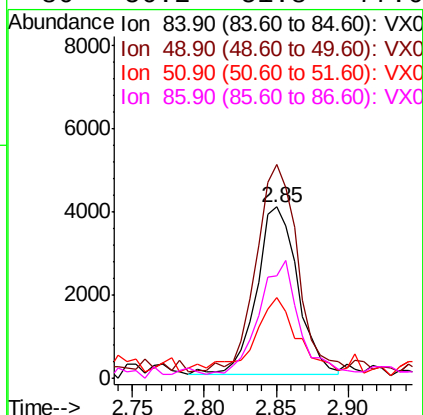
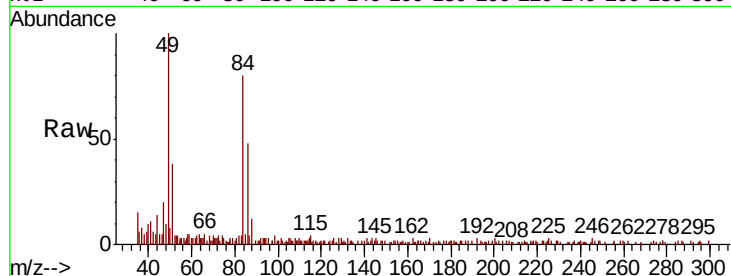




#20
Methvlene Chloride
Concen: 1.513 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014719.D
Acq: 27 Jan 2020 12:24

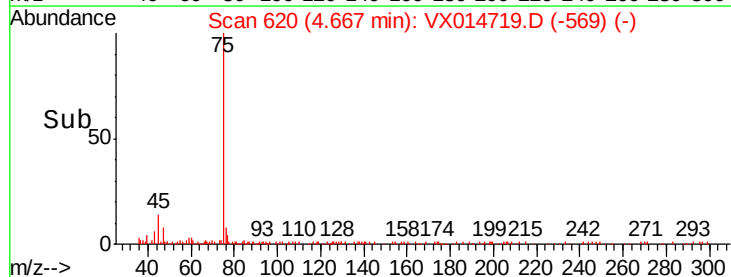
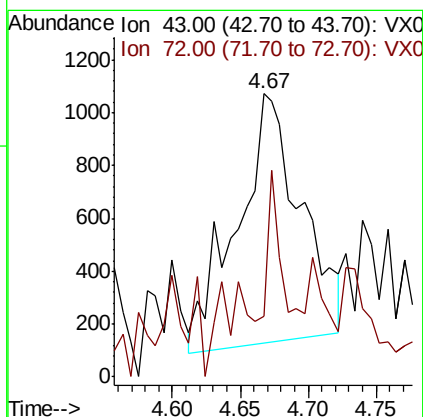
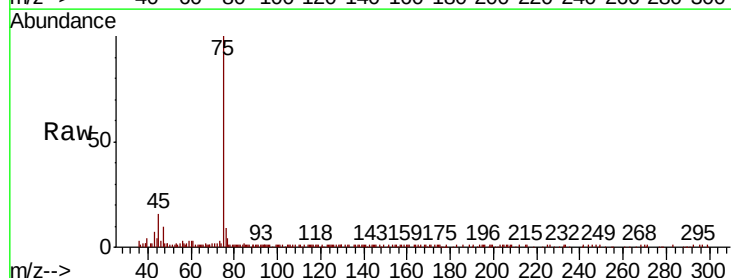
Instrument :
MSVOA_X
ClientSampleId :

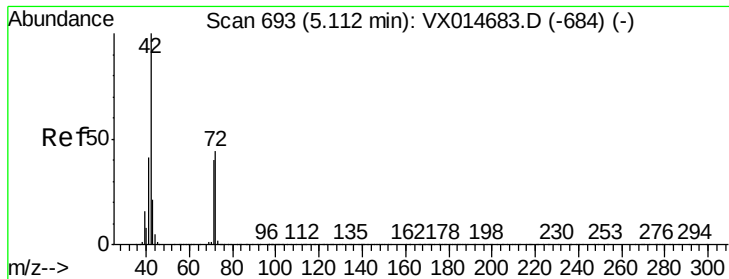
Tot Ion:	84	Resp:	7958
Ion	Ratio	Lower	Upper
84	100		
49	123.6	98.2	147.4
51	43.7	31.3	46.9
86	56.2	51.8	77.6



#25
2-Butanone
Concen: 0.760 ug/l
RT: 4.67 min Scan# 620
Delta R.T. 0.01 min
Lab File: VX014719.D
Acq: 27 Jan 2020 12:24

Tgt Ion:	43	Resp:	3094
Ion	Ratio	Lower	Upper
43	100		
72	11.4	19.9	29.9#





#29

Tetrahydrofuran

Concen: 0.375 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.02 min

Lab File: VX014719.D

Acq: 27 Jan 2020 12:24

Instrument :

MSVOA_X

ClientSampleId :

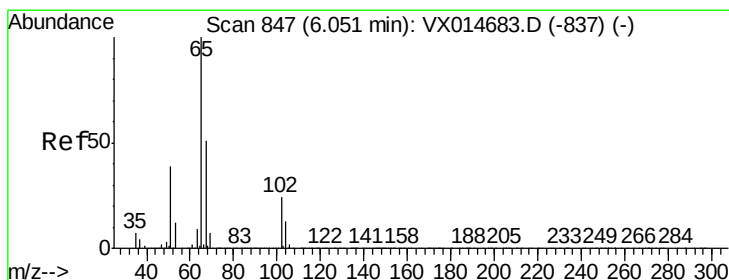
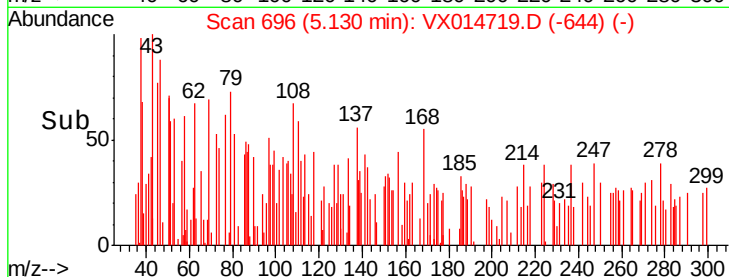
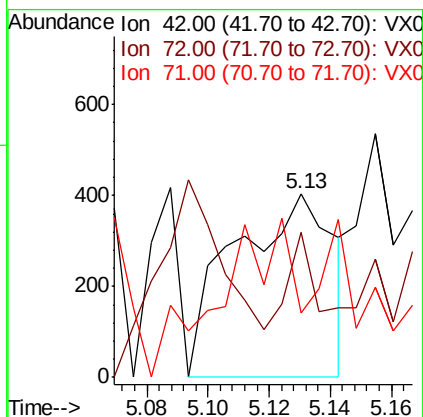
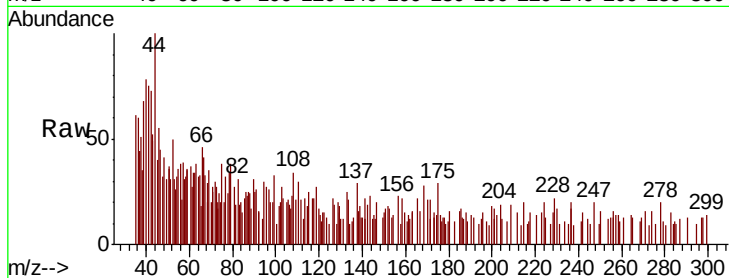
Tot Ion: 42 Resp: 906

Ion Ratio Lower Upper

42 100

72 14.5 35.3 52.9#

71 64.5 33.1 49.7#



#33

1,2-Dichloroethane-d4

Concen: 50.335 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014719.D

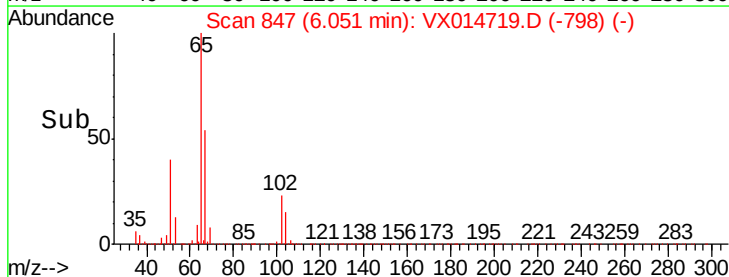
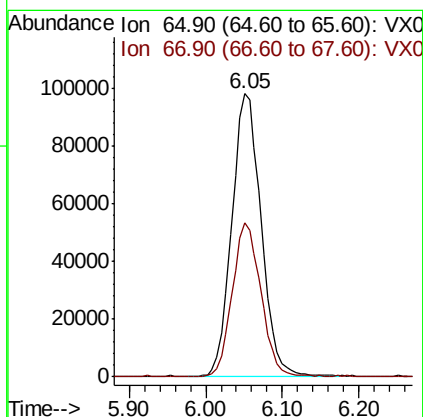
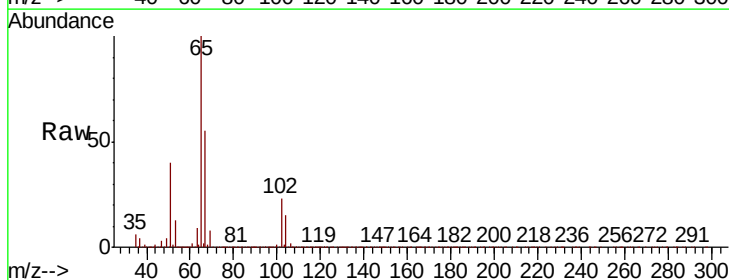
Acq: 27 Jan 2020 12:24

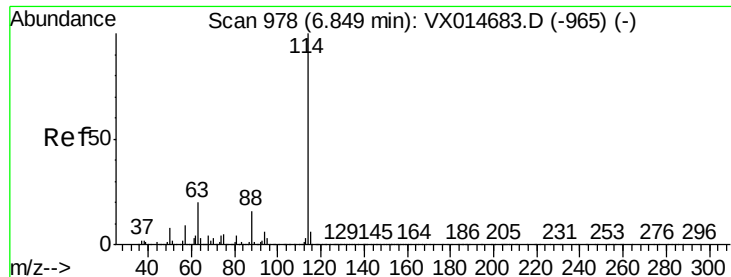
Tgt Ion: 65 Resp: 261046

Ion Ratio Lower Upper

65 100

67 52.6 0.0 107.4

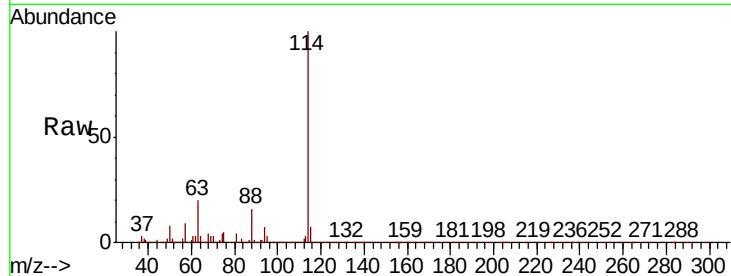




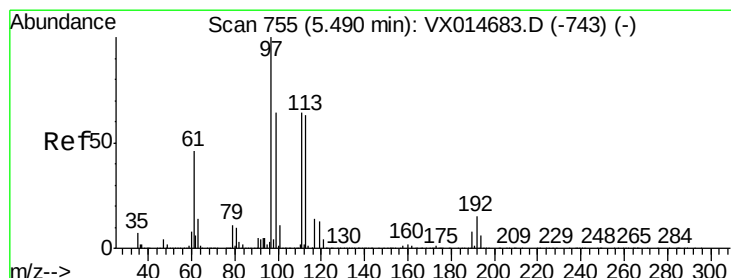
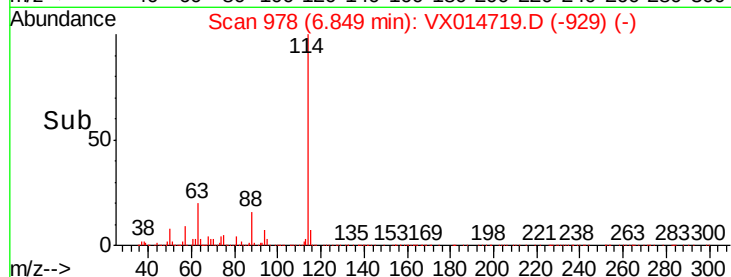
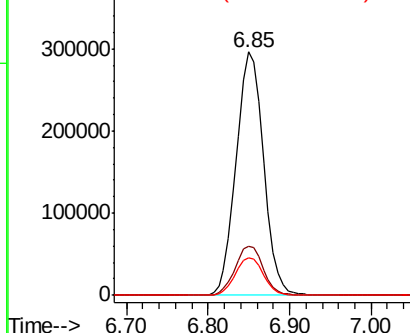
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014719.D
 Acq: 27 Jan 2020 12:24

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114	Resp:	691373
Ion Ratio	Lower	Upper
114 100		
63 19.9	0.0	40.6
88 15.5	0.0	31.2

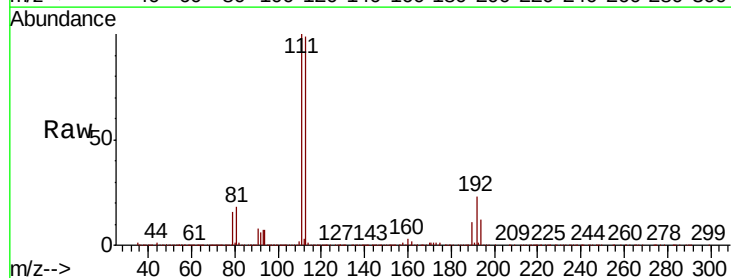


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

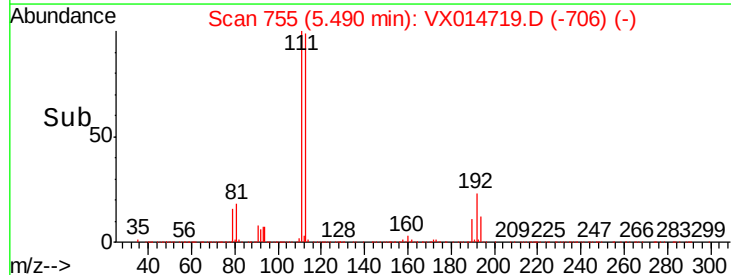
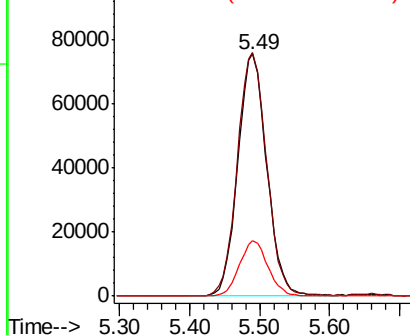


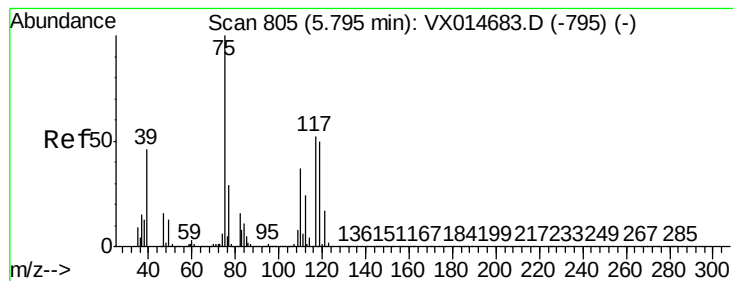
#35
 Dibromofluoromethane
 Concen: 49.367 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014719.D
 Acq: 27 Jan 2020 12:24

Tgt Ion:113	Resp:	215365
Ion Ratio	Lower	Upper
113 100		
111 102.2	80.7	121.1
192 22.9	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: 4.948 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.14 min

Lab File: VX014719.D

Acq: 27 Jan 2020 12:24

Instrument :

MSVOA_X

ClientSampleId :

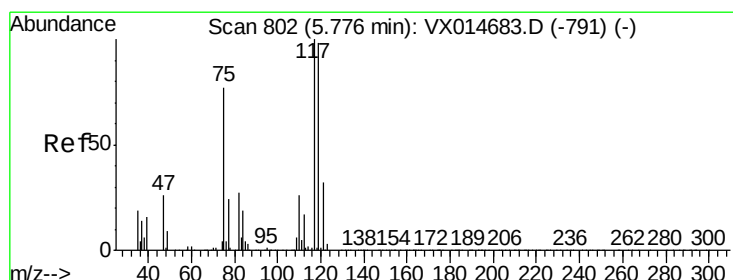
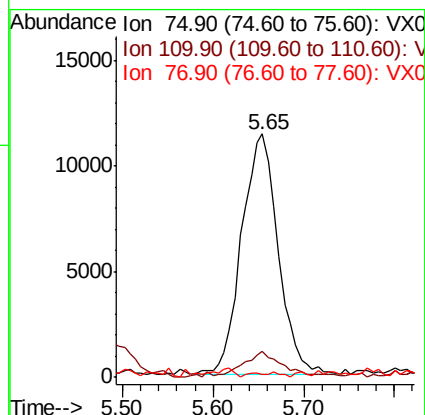
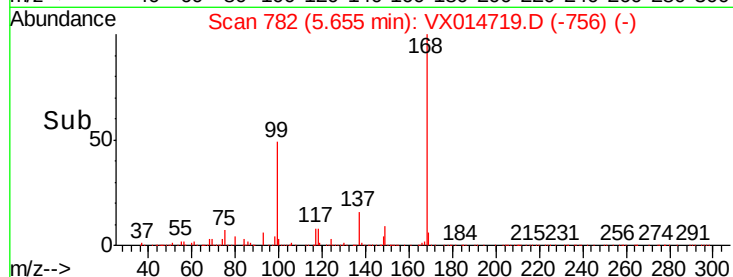
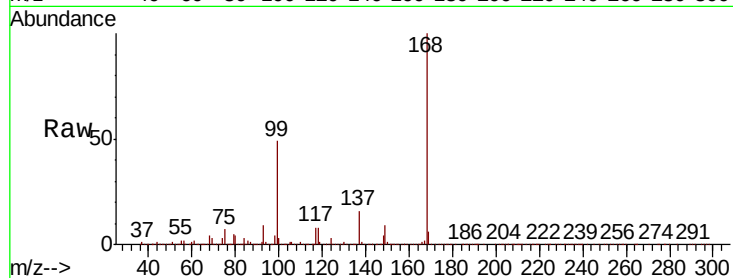
Tot Ion: 75 Resp: 31789

Ion Ratio Lower Upper

75 100

110 11.1 17.9 53.7#

77 0.8 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 6.351 ug/l

RT: 5.66 min Scan# 783

Delta R.T. -0.12 min

Lab File: VX014719.D

Acq: 27 Jan 2020 12:24

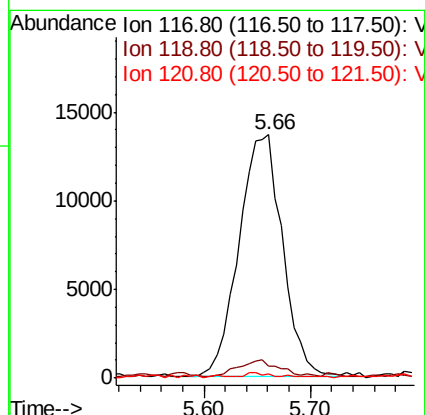
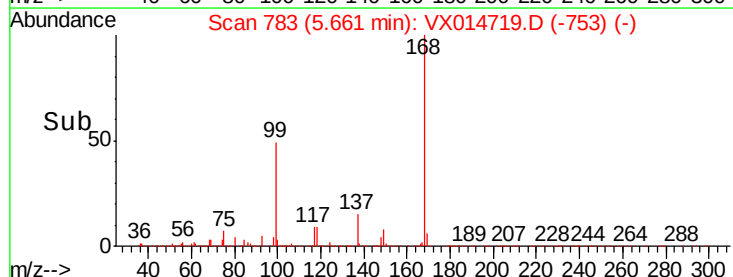
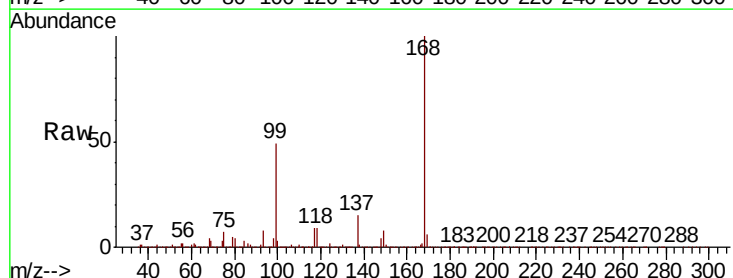
Tgt Ion: 117 Resp: 38968

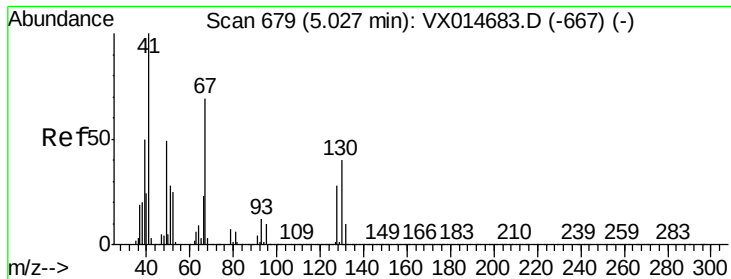
Ion Ratio Lower Upper

117 100

119 4.0 77.9 116.9#

121 1.1 25.4 38.2#





#41

Methacrylonitrile

Concen: Below Cal

RT: 5.04 min Scan# 681

Delta R.T. 0.01 min

Lab File: VX014719.D

Acq: 27 Jan 2020 12:24

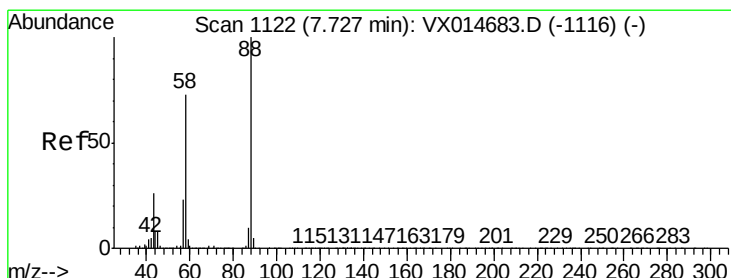
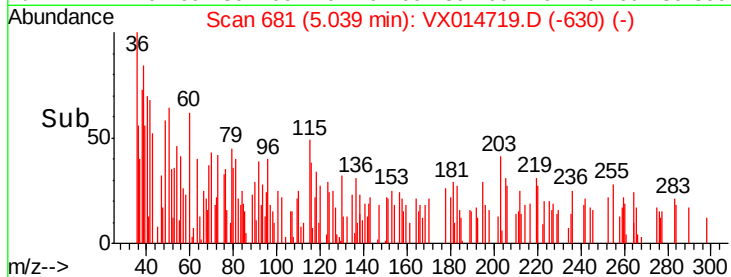
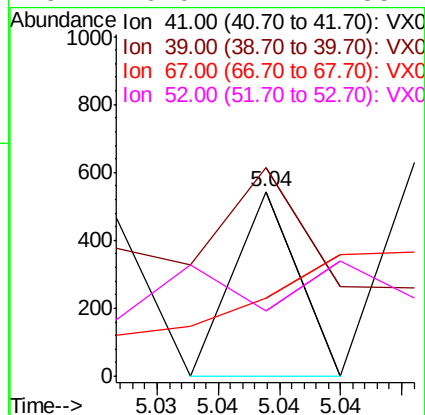
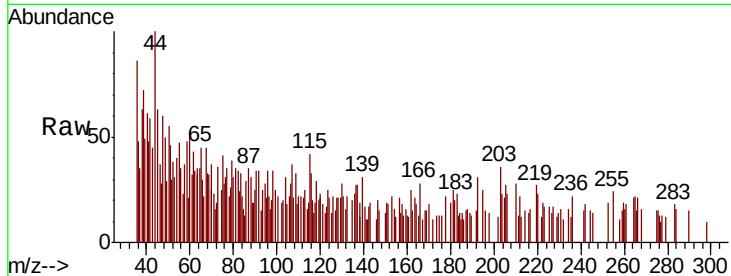
Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 41 Resp: 199

Ion	Ratio	Lower	Upper
41	100		
39	65.8	42.2	63.2#
67	0.0	55.4	83.0#
52	0.0	22.1	33.1#



#49

1,4-Dioxane

Concen: 0.860 ug/l

RT: 7.73 min Scan# 1122

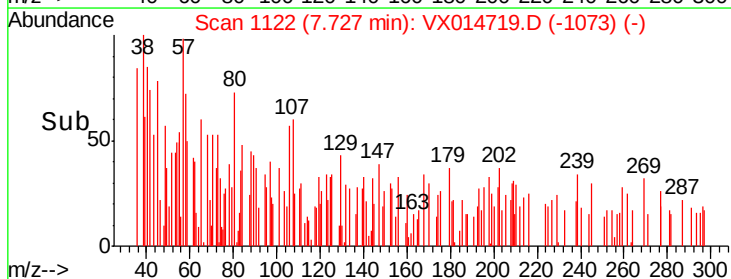
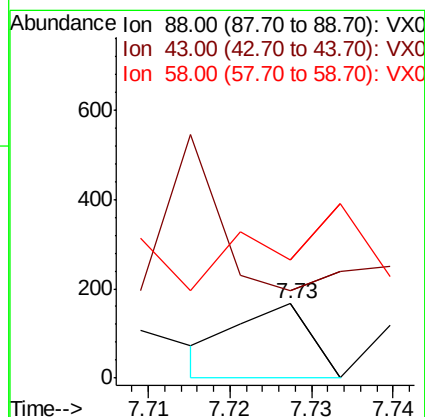
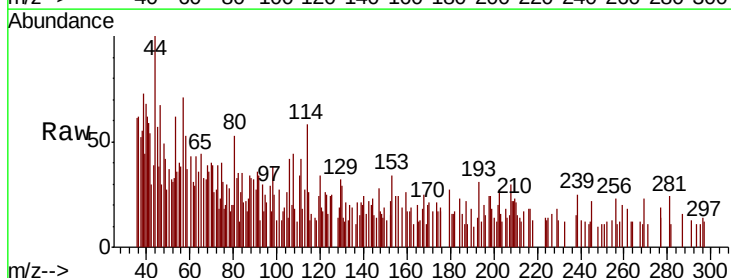
Delta R.T. 0.00 min

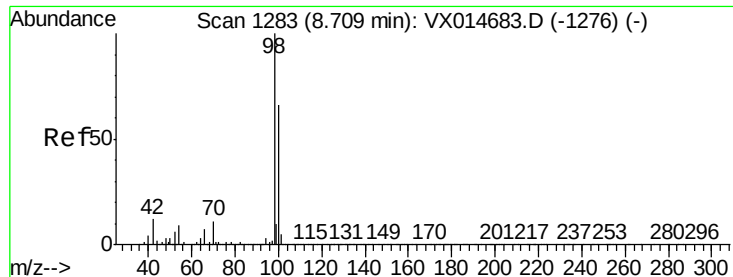
Lab File: VX014719.D

Acq: 27 Jan 2020 12:24

Tgt Ion: 88 Resp: 105

Ion	Ratio	Lower	Upper
88	100		
43	134.3	26.2	39.2#
58	197.1	56.6	85.0#





#50

Toluene-d8

Concen: 49.284 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014719.D

Acq: 27 Jan 2020 12:24

Instrument :

MSVOA_X

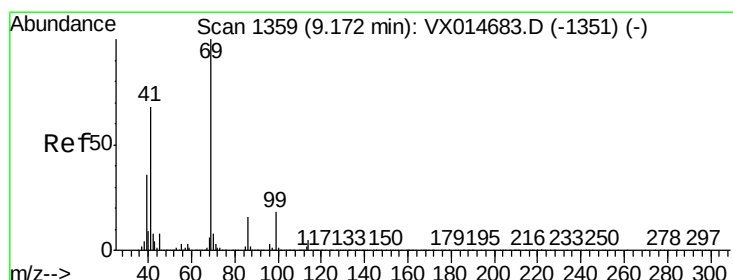
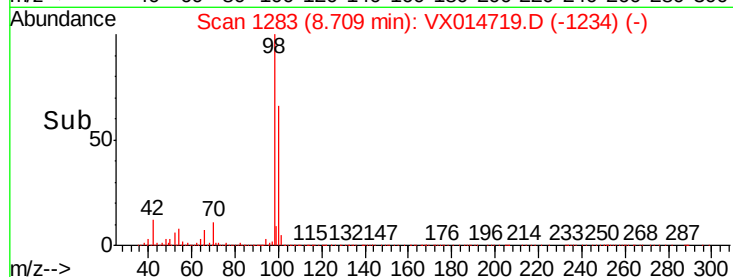
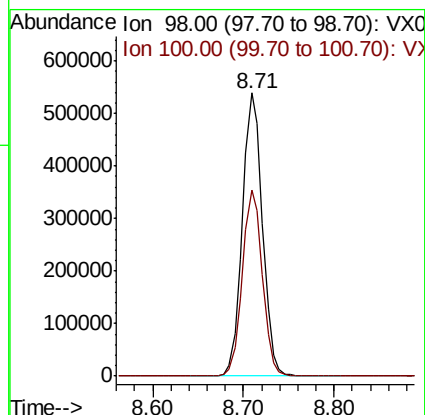
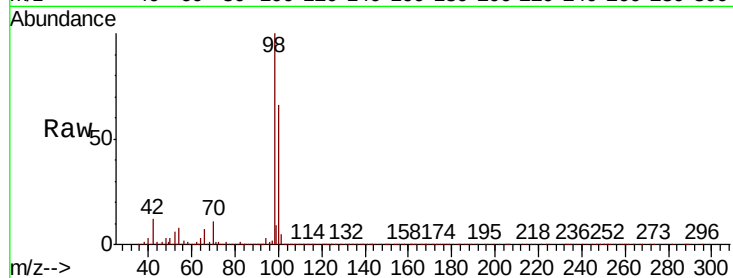
ClientSampleId :

Tot Ion: 98 Resp: 826558

Ion Ratio Lower Upper

98 100

100 65.6 53.0 79.6



#56

Ethyl methacrylate

Concen: 1.883 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX014719.D

Acq: 27 Jan 2020 12:24

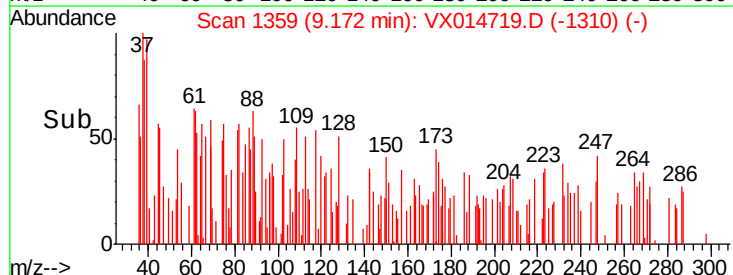
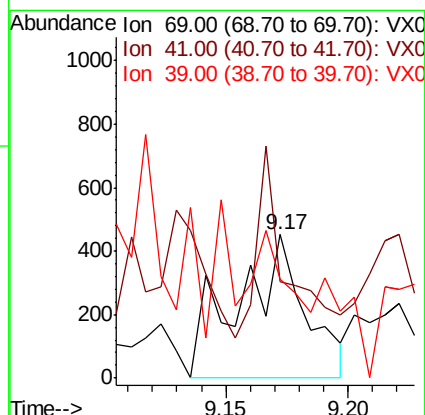
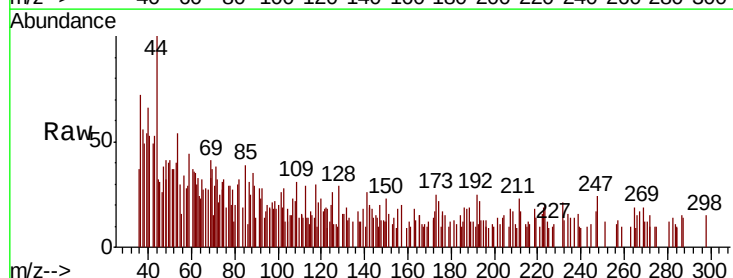
Tgt Ion: 69 Resp: 862

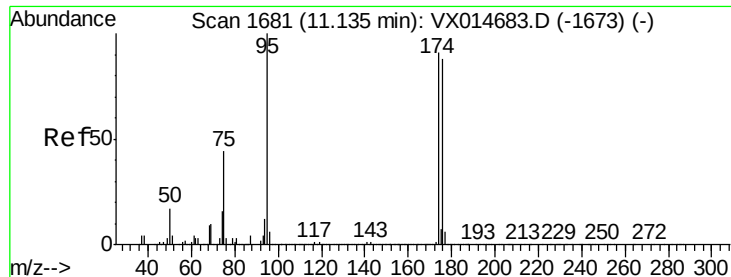
Ion Ratio Lower Upper

69 100

41 57.8 54.9 82.3

39 18.0 29.3 43.9#





#62

4-Bromofluorobenzene

Concen: 46.590 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX014719.D

Acq: 27 Jan 2020 12:24

Instrument :

MSVOA_X

ClientSampleId :

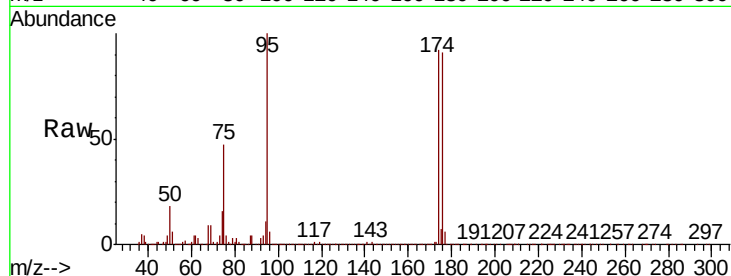
Tot Ion: 95 Resp: 278343

Ion Ratio Lower Upper

95 100

174 88.2 0.0 176.0

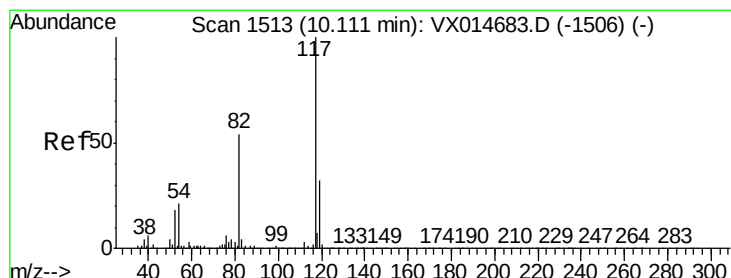
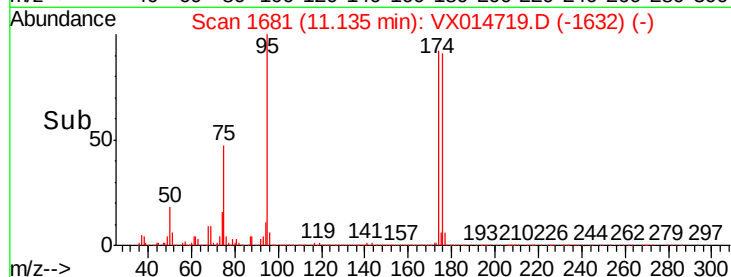
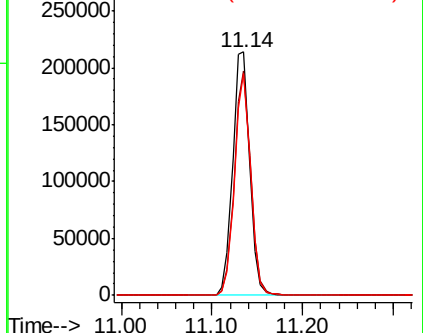
176 86.0 0.0 172.2



Abundance Ion 94.90 (94.60 to 95.60): VX014719.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX014719.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX014719.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX014719.D

Acq: 27 Jan 2020 12:24

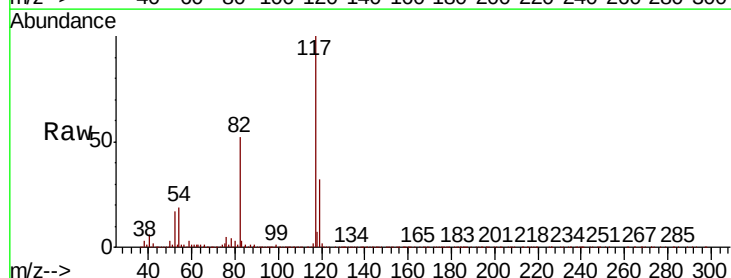
Tgt Ion: 117 Resp: 637335

Ion Ratio Lower Upper

117 100

82 51.9 43.2 64.8

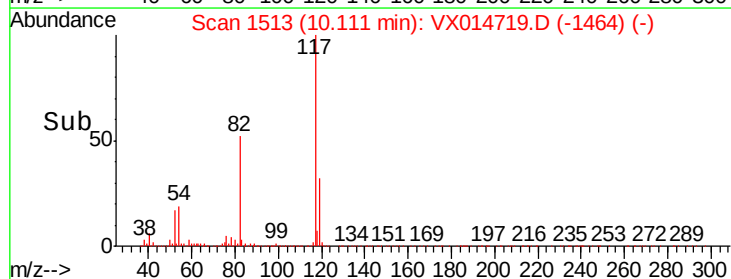
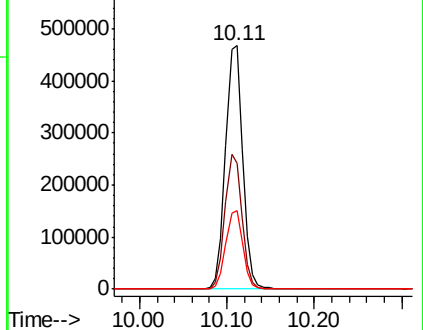
119 32.4 25.8 38.6

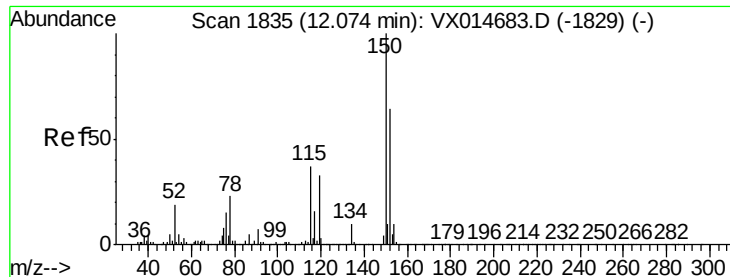


Abundance Ion 116.90 (116.60 to 117.60): VX014719.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX014719.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX014719.D (-1464) (-)



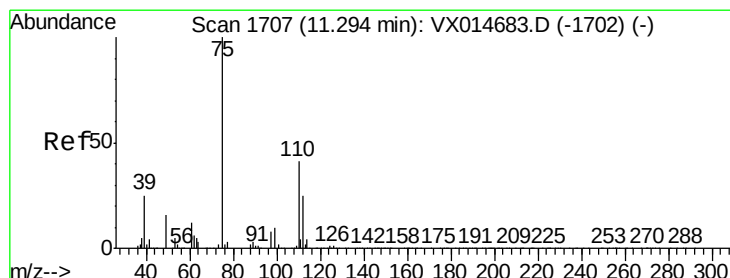
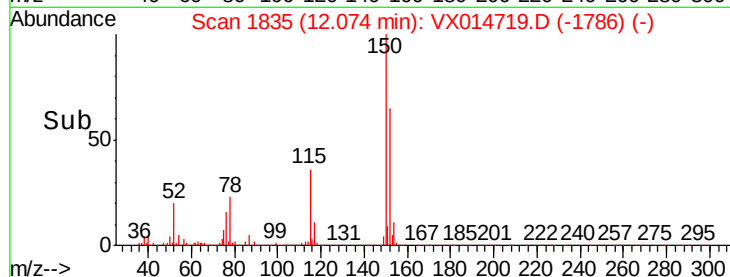
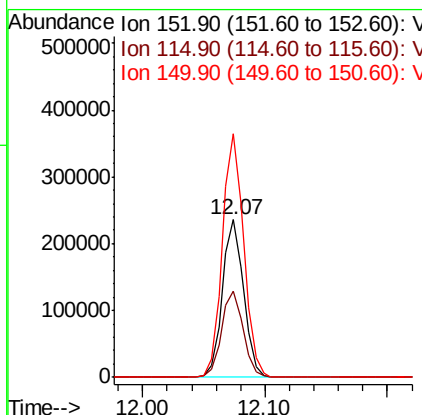
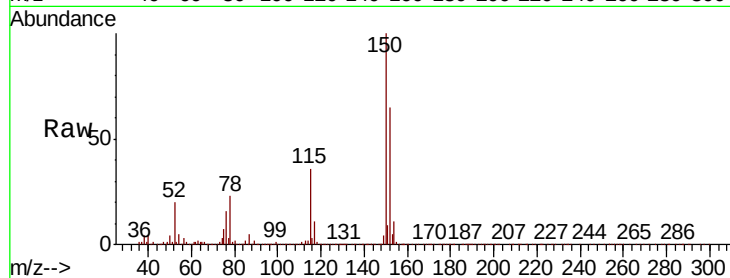


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014719.D
Acq: 27 Jan 2020 12:24

Instrument :
MSVOA_X
ClientSampleId :

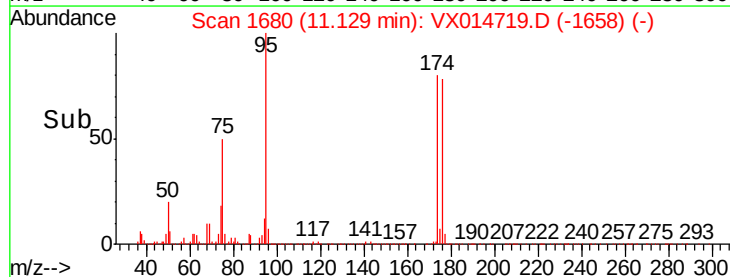
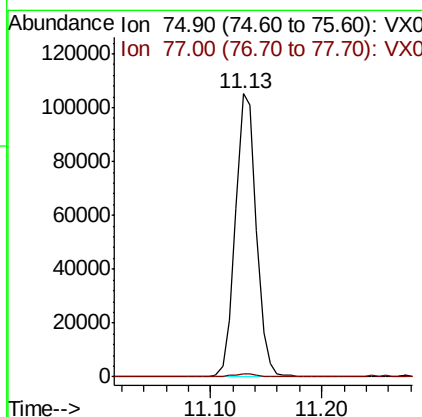
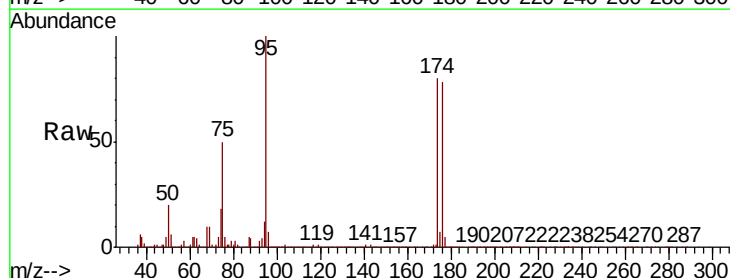
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.8	39.4	118.1
150	156.2	0.0	351.2

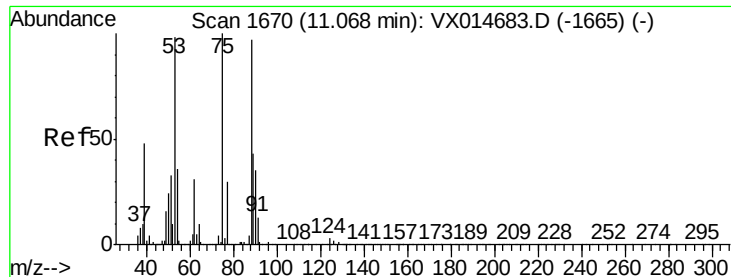


#76

1,2,3-Trichloropropane
Concen: 20.734 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX014719.D
Acq: 27 Jan 2020 12:24

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	18.7	56.1

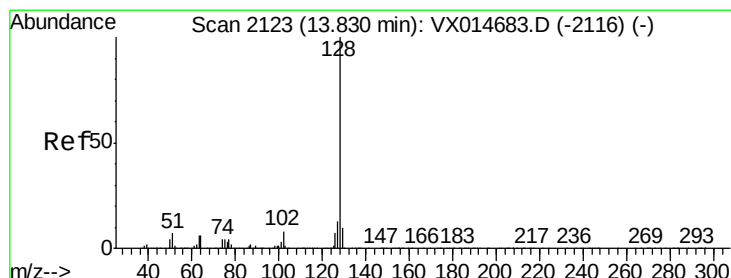
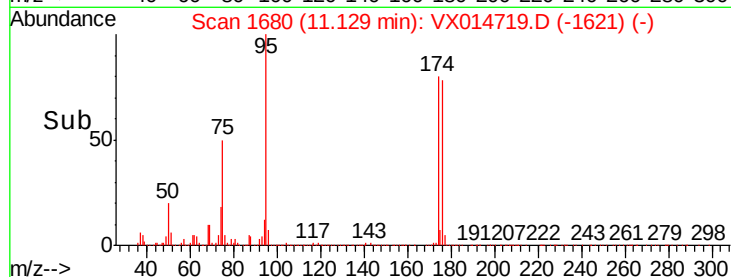
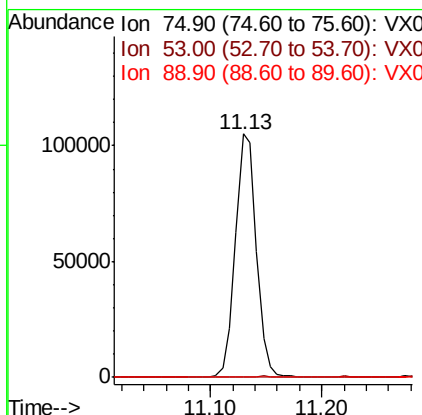
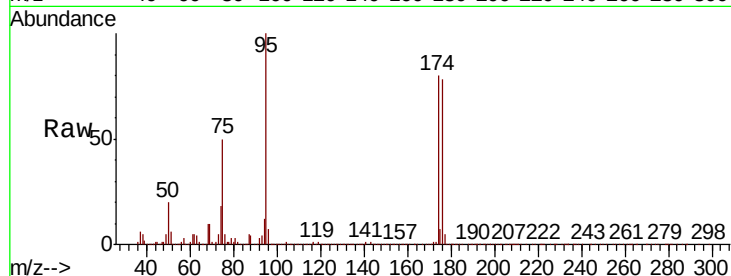




#81
trans-1,4-Dichloro-2-butene
Concen: 59.005 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX014719.D
Acq: 27 Jan 2020 12:24

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 75 Resp: 136327
Ion Ratio Lower Upper
75 100
53 0.3 78.8 118.2#
89 0.1 35.4 53.0#



#95
Naphthalene
Concen: 1.008 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014719.D
Acq: 27 Jan 2020 12:24

Tgt Ion:128 Resp: 1551
Ion Ratio Lower Upper
128 100
127 41.5 10.3 15.5#
129 14.1 8.6 12.8#

