

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX073020\
 Data File : VX017675.D
 Acq On : 30 Jul 2020 11:38
 Operator : JC/SP
 Sample : VX0730WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 31 05:30:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 24 05:48:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	489352	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	748382	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	853015	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	455500	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	318996	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
35) Dibromofluoromethane	5.46	113	276489	55.24	ug/l	0.00
Spiked Amount			Recovery	=	110.48%	
50) Toluene-d8	8.70	98	914485	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	
62) 4-Bromofluorobenzene	11.12	95	393849	54.50	ug/l	0.00
Spiked Amount			Recovery	=	109.00%	

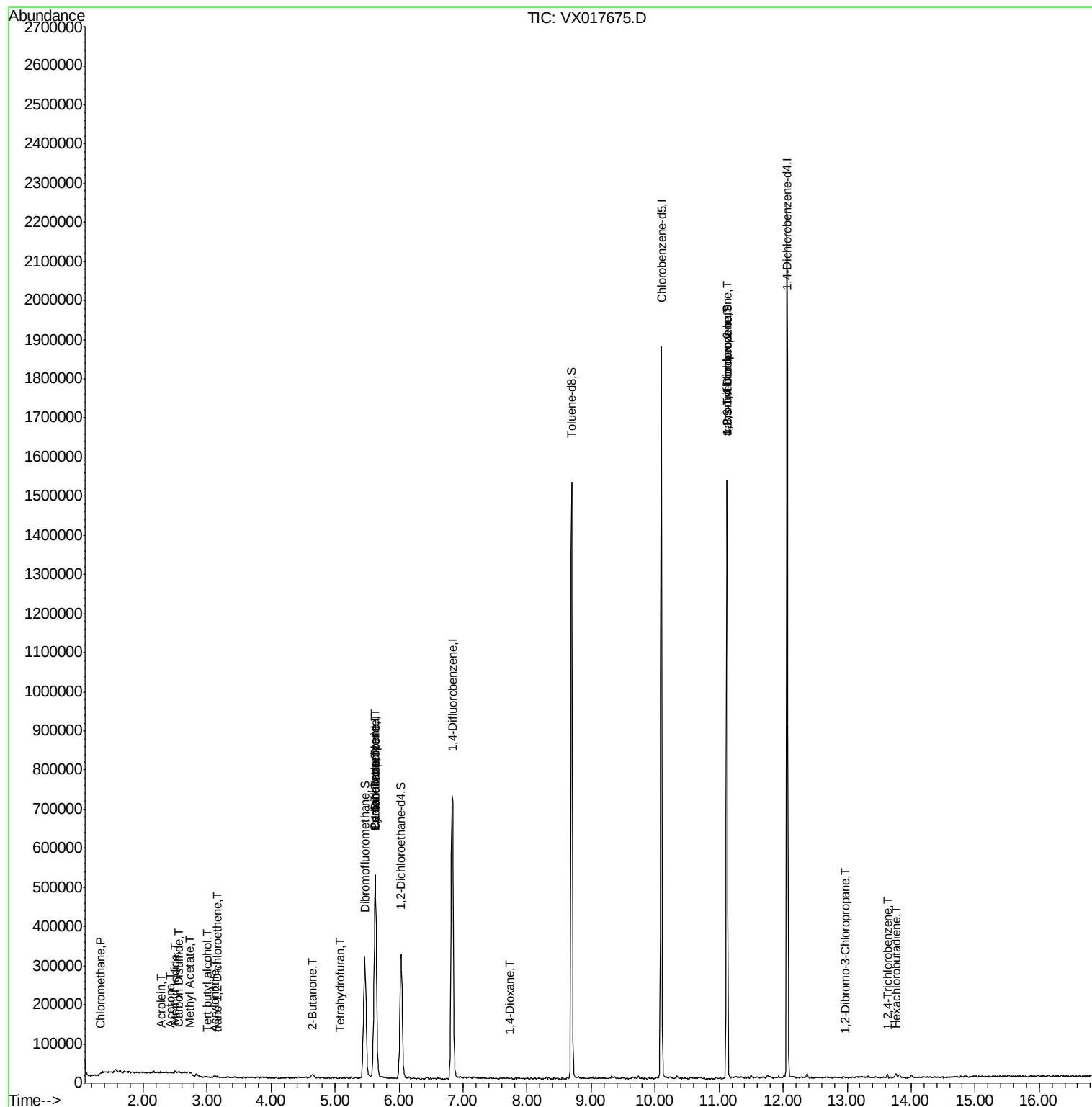
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	309	Below Cal		86
3) Chloromethane	1.32	50	1771	0.657 ug/l		98
5) Bromomethane	1.64	94	2242	Below Cal		92
6) Chloroethane	1.71	64	558	Below Cal	#	69
8) Diethyl Ether	2.17	74	1680	Below Cal		94
10) Methyl Iodide	2.50	142	4701	0.691 ug/l	#	94
11) Tert butyl alcohol	3.00	59	266	0.201 ug/l	#	1
13) Acrolein	2.28	56	1204	5.319 ug/l	#	51
15) Acrylonitrile	3.12	53	913	0.319 ug/l	#	17
16) Acetone	2.42	43	1599	0.578 ug/l	#	73
17) Carbon Disulfide	2.56	76	5112	0.333 ug/l	#	80
18) Methyl Acetate	2.73	43	1916	0.294 ug/l	#	91
20) Methylene Chloride	2.84	84	4168	Below Cal	#	74
21) trans-1,2-Dichloroethene	3.15	96	1438	0.266 ug/l	#	44
25) 2-Butanone	4.64	43	1685	0.429 ug/l	#	71
29) Tetrahydrofuran	5.09	42	780	0.320 ug/l	#	66
31) Cyclohexane	5.62	56	10148	1.309 ug/l	#	1
36) 1,1-Dichloropropene	5.63	75	39181	5.459 ug/l	#	51
38) Carbon Tetrachloride	5.63	117	47615	5.463 ug/l	#	18
49) 1,4-Dioxane	7.72	88	270	2.193 ug/l	#	47
76) 1,2,3-Trichloropropane	11.12	75	202515	21.614 ug/l	#	34
81) trans-1,4-Dichloro-2-buten	11.12	75	202515	54.461 ug/l	#	12
92) 1,2-Dibromo-3-Chloropropan	12.98	75	239	2.659 ug/l	#	63
93) 1,2,4-Trichlorobenzene	13.63	180	2450	0.243 ug/l		95
94) Hexachlorobutadiene	13.76	225	1252	0.270 ug/l		97

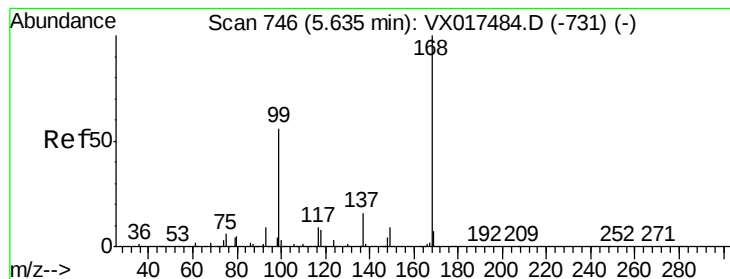
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX073020\
Data File : VX017675.D
Acq On : 30 Jul 2020 11:38
Operator : JC/SP
Sample : VX0730WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jul 31 05:30:30 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 24 05:48:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017675.D

Acq: 30 Jul 2020 11:38

Instrument :

MSVOA_X

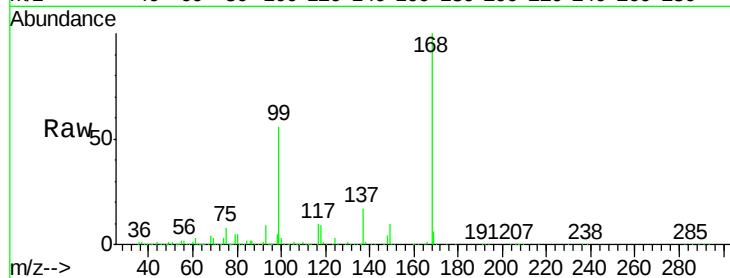
ClientSampleId :

Tot Ion:168 Resp: 489352

Ion Ratio Lower Upper

168 100

99 55.7 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

200000

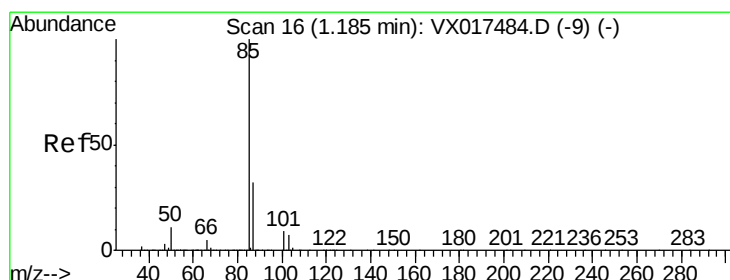
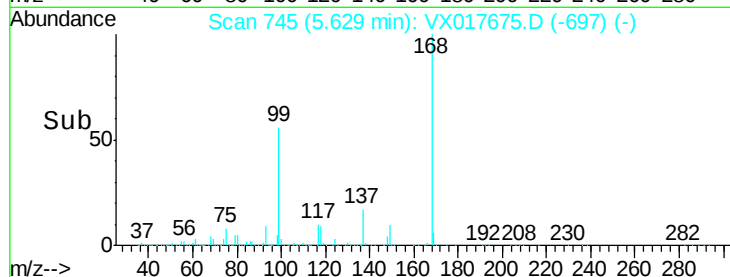
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017675.D

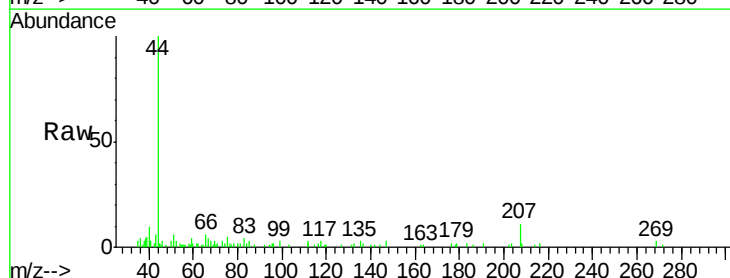
Acq: 30 Jul 2020 11:38

Tgt Ion: 85 Resp: 309

Ion Ratio Lower Upper

85 100

87 24.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

300

250

200

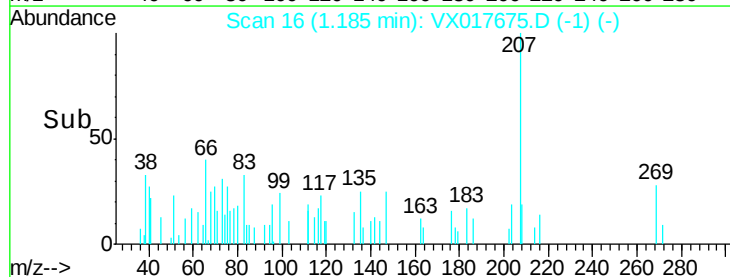
150

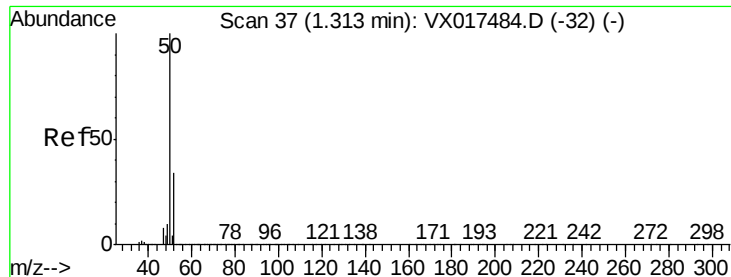
100

50

0

Time-->





#3

Chloromethane

Concen: 0.657 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017675.D

Acq: 30 Jul 2020 11:38

Instrument :

MSVOA_X

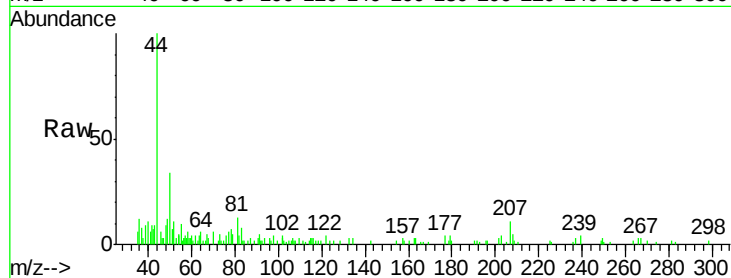
ClientSampleId :

Tot Ion: 50 Resp: 1771

Ion Ratio Lower Upper

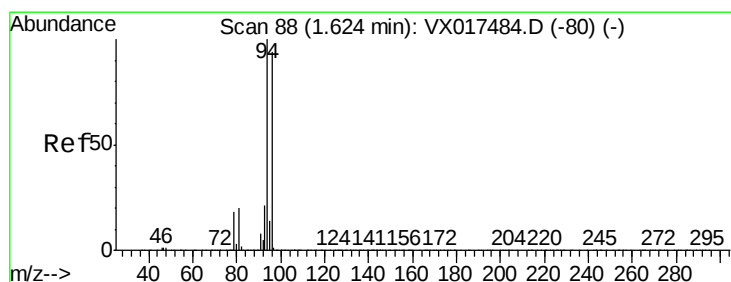
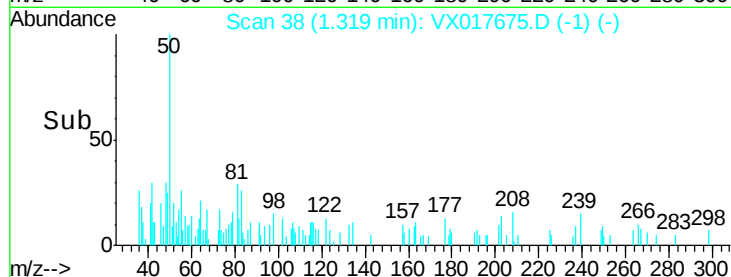
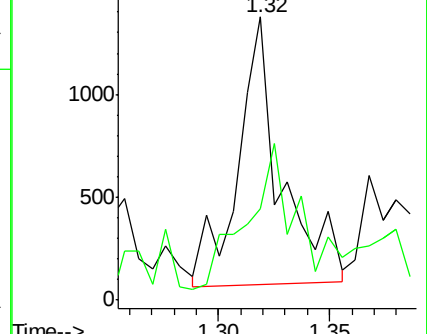
50 100

52 31.1 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX017675.D

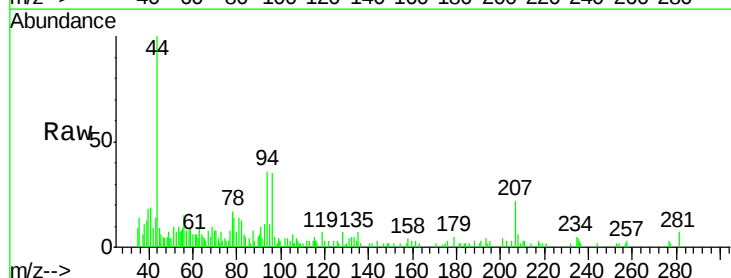
Acq: 30 Jul 2020 11:38

Tgt Ion: 94 Resp: 2242

Ion Ratio Lower Upper

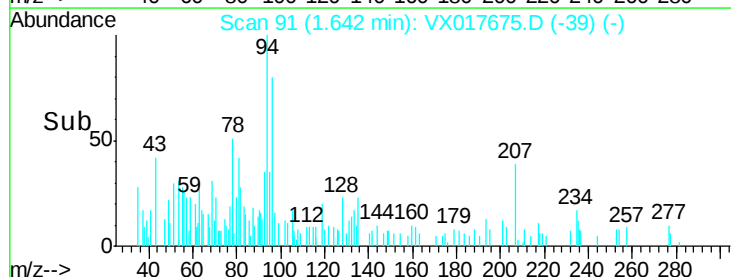
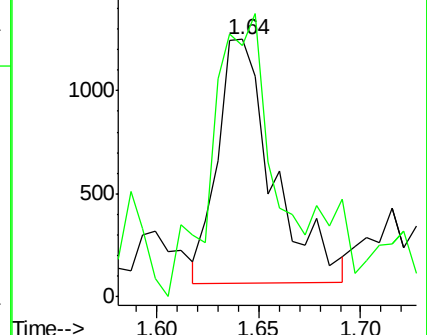
94 100

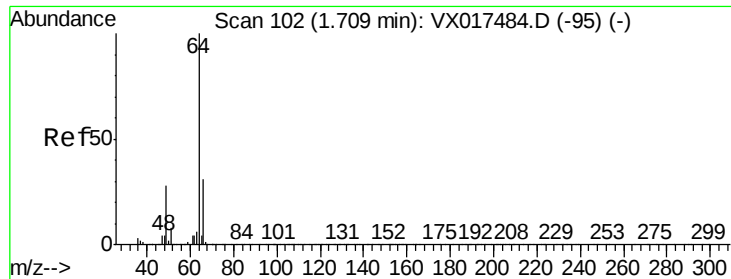
96 84.6 74.1 111.1



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: 1.71 min Scan# 102

Delta R.T. 0.00 min

Lab File: VX017675.D

Acq: 30 Jul 2020 11:38

Instrument :

MSVOA_X

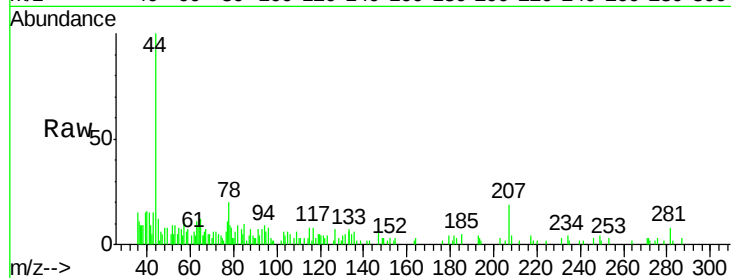
ClientSampled :

Tot Ion: 64 Resp: 558

Ion Ratio Lower Upper

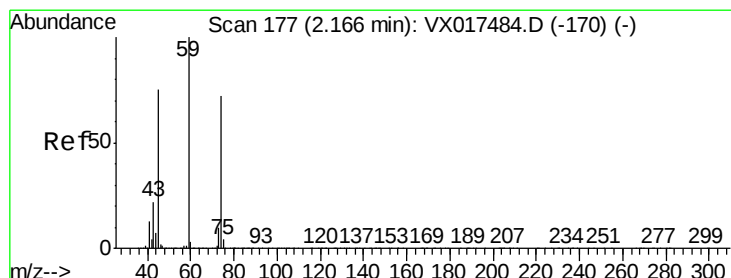
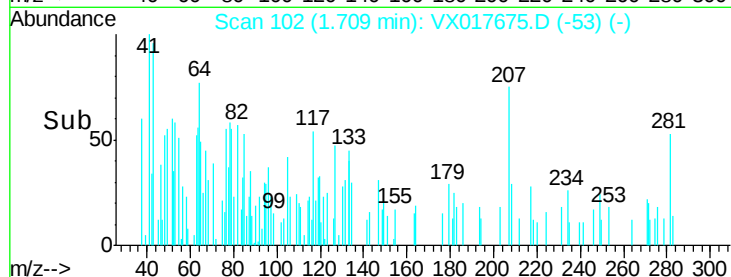
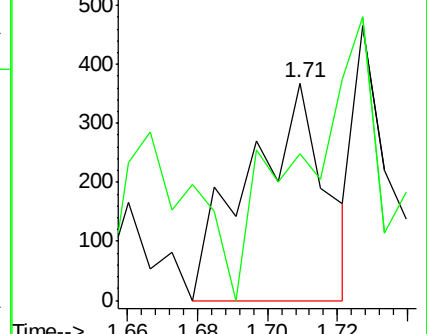
64 100

66 14.1 24.9 37.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#8

Diethyl Ether

Concen: Below Cal

RT: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX017675.D

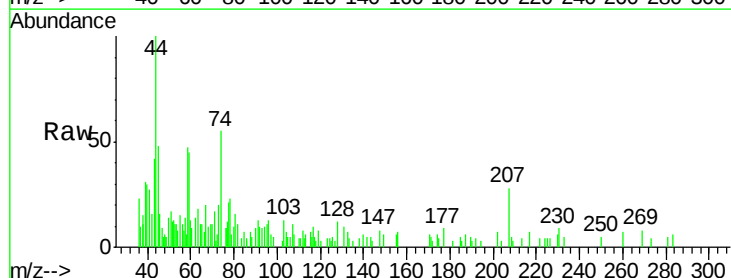
Acq: 30 Jul 2020 11:38

Tgt Ion: 74 Resp: 1680

Ion Ratio Lower Upper

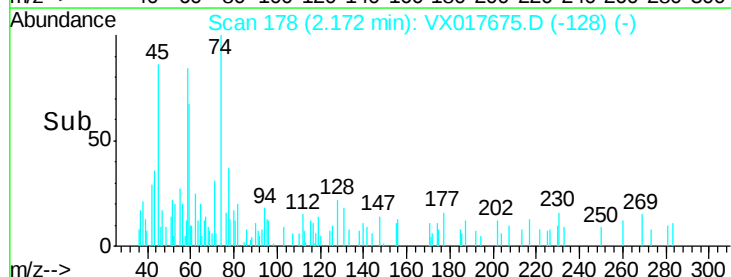
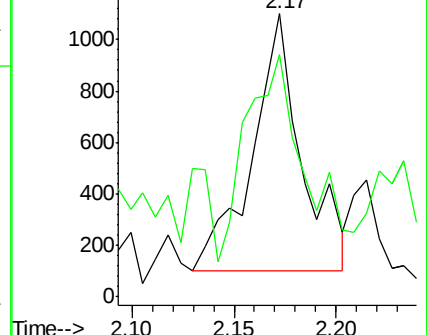
74 100

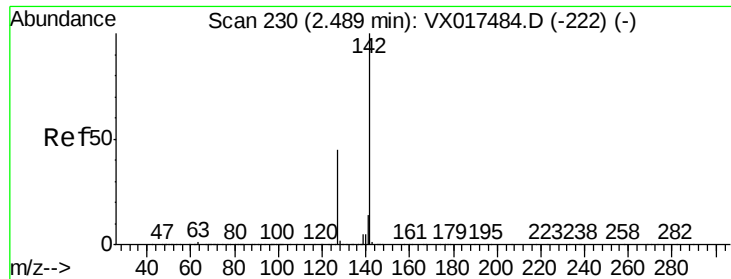
45 96.0 50.8 152.5



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

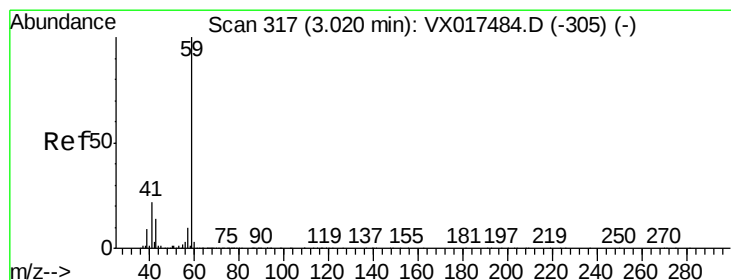
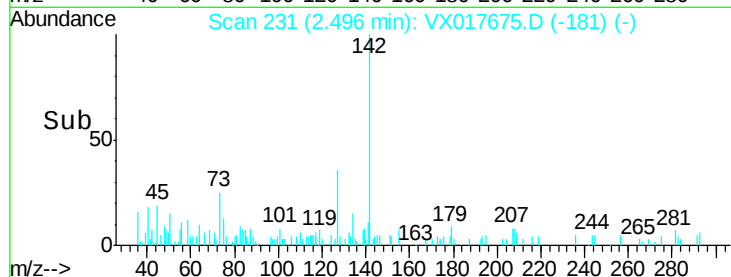
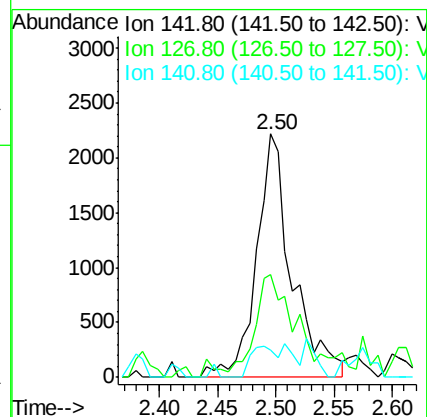
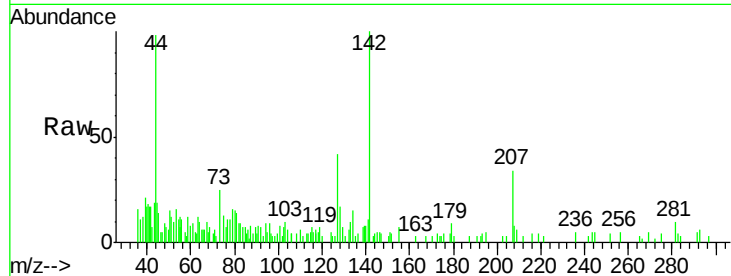




#10
Methyl Iodide
Concen: 0.691 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX017675.D
Acq: 30 Jul 2020 11:38

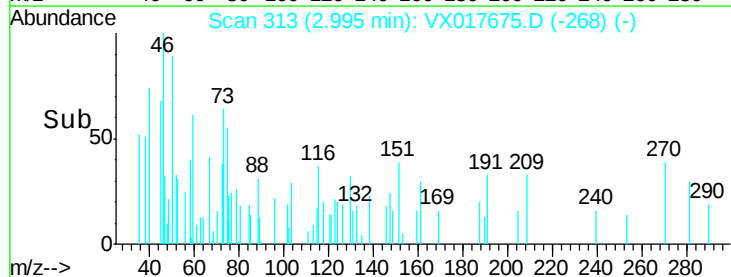
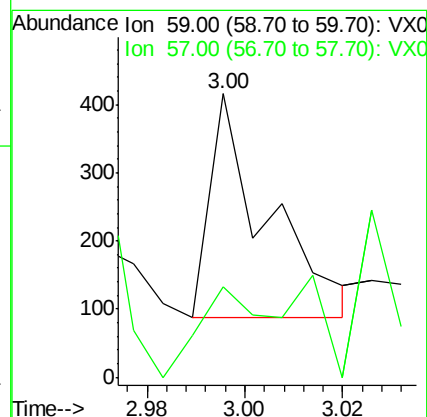
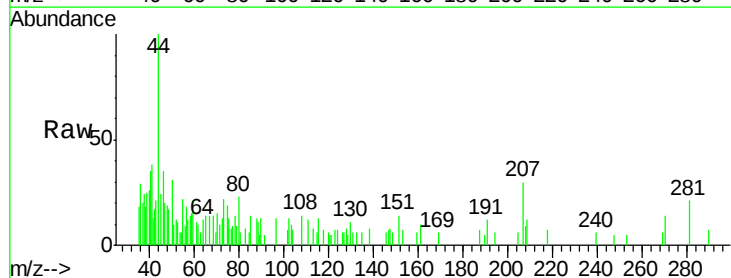
Instrument :
MSVOA_X
ClientSampleId :

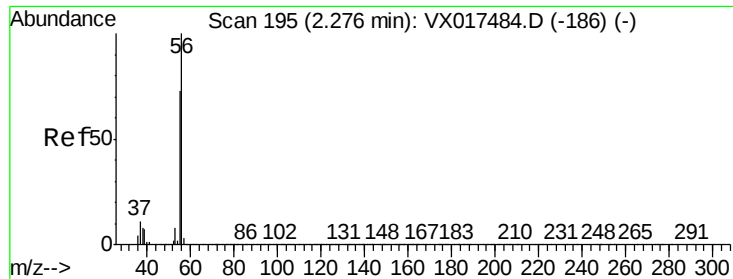
Tot Ion:142 Resp: 4701
Ion Ratio Lower Upper
142 100
127 42.5 35.9 53.9
141 9.3 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.201 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX017675.D
Acq: 30 Jul 2020 11:38

Tgt Ion: 59 Resp: 266
Ion Ratio Lower Upper
59 100
57 51.5 8.6 12.8#

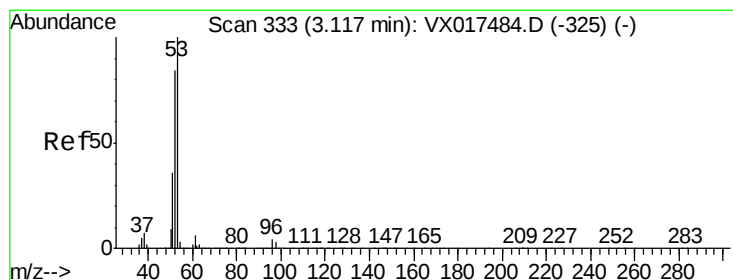
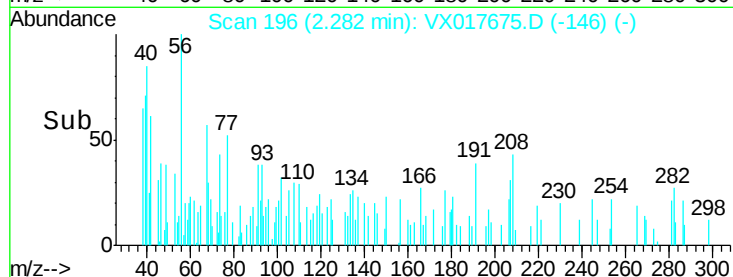
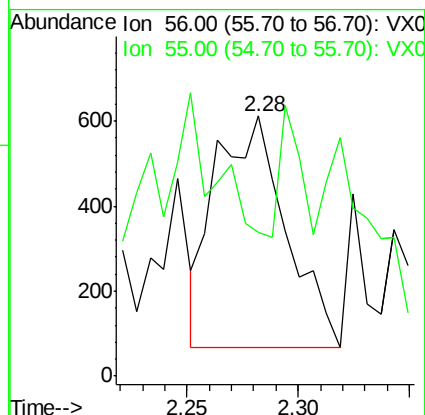
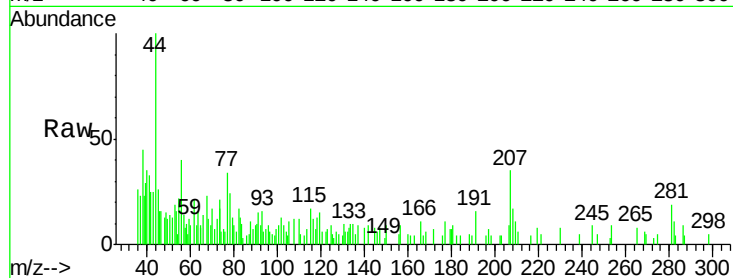




#13
Acrolein
Concen: 5.319 ug/l
RT: 2.28 min Scan# 196
Delta R.T. 0.01 min
Lab File: VX017675.D
Acq: 30 Jul 2020 11:38

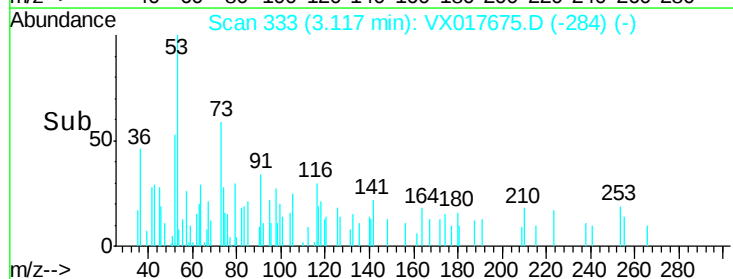
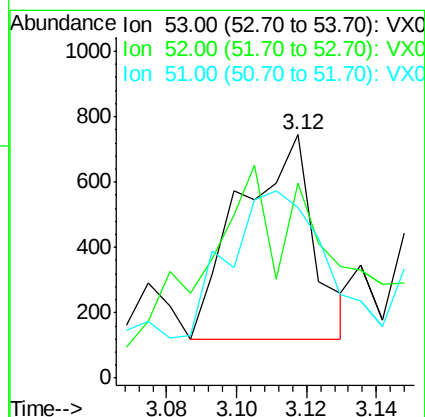
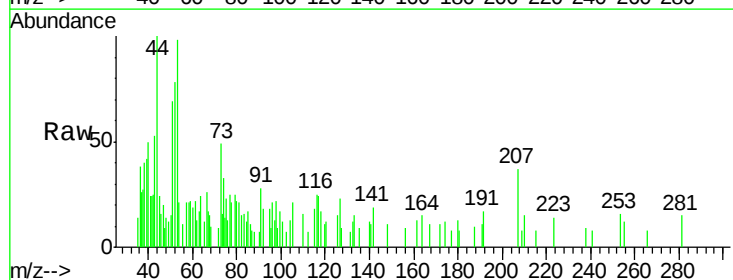
Instrument :
MSVOA_X
ClientSampled :

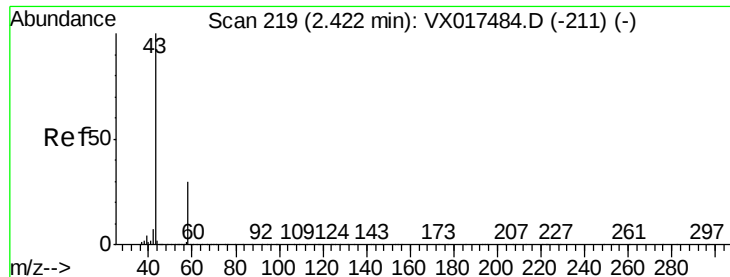
Tot Ion: 56 Resp: 1204
Ion Ratio Lower Upper
56 100
55 30.8 57.4 86.2#



#15
Acrylonitrile
Concen: 0.319 ug/l
RT: 3.12 min Scan# 333
Delta R.T. 0.00 min
Lab File: VX017675.D
Acq: 30 Jul 2020 11:38

Tgt Ion: 53 Resp: 913
Ion Ratio Lower Upper
53 100
52 107.2 66.6 99.8#
51 161.3 29.4 44.2#





#16

Acetone

Concen: 0.578 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017675.D

Acq: 30 Jul 2020 11:38

Instrument :

MSVOA_X

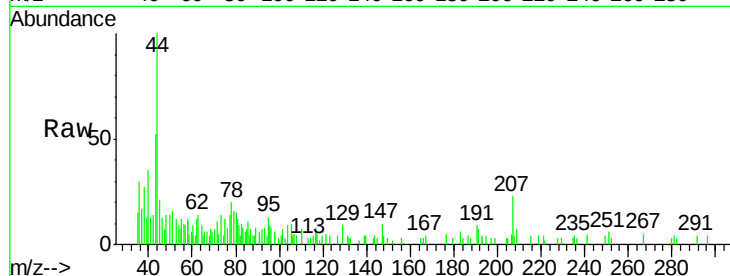
ClientSampleId :

Tot Ion: 43 Resp: 1599

Ion Ratio Lower Upper

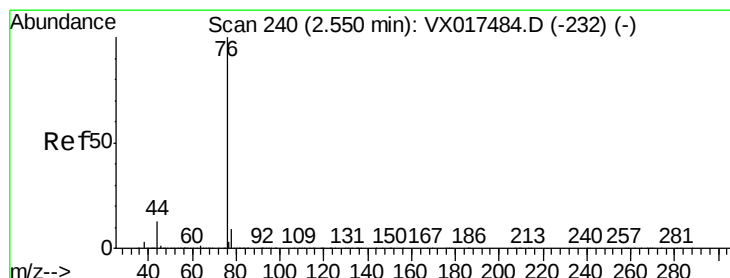
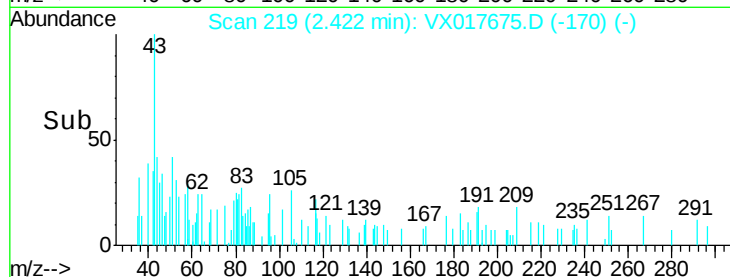
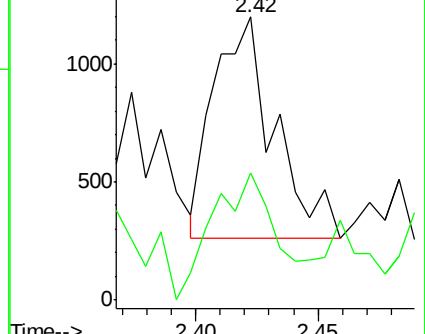
43 100

58 45.1 24.2 36.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.333 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX017675.D

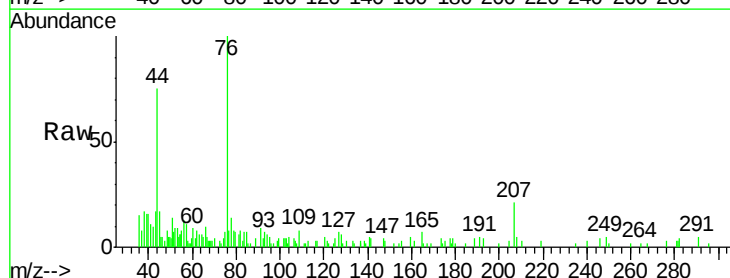
Acq: 30 Jul 2020 11:38

Tgt Ion: 76 Resp: 5112

Ion Ratio Lower Upper

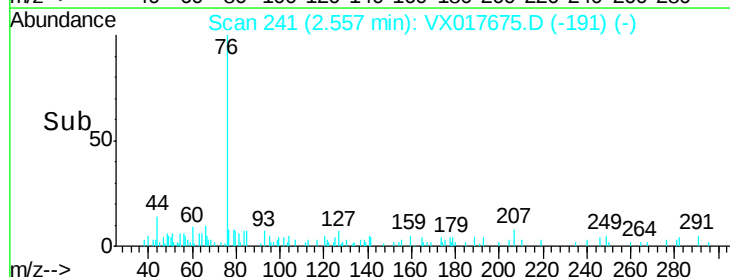
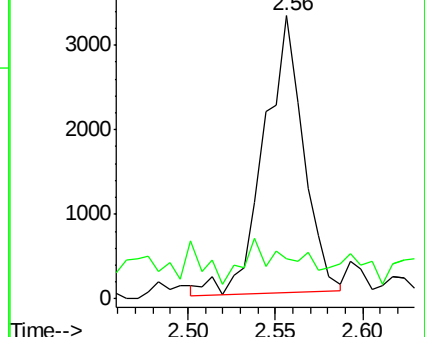
76 100

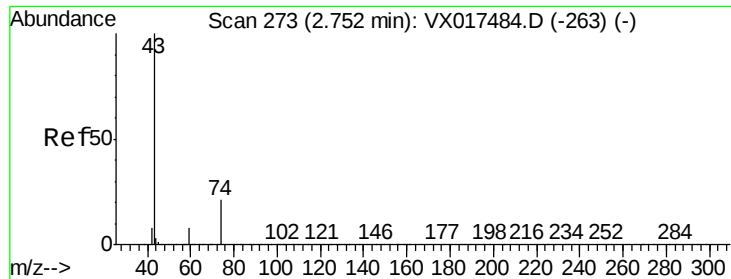
78 2.0 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

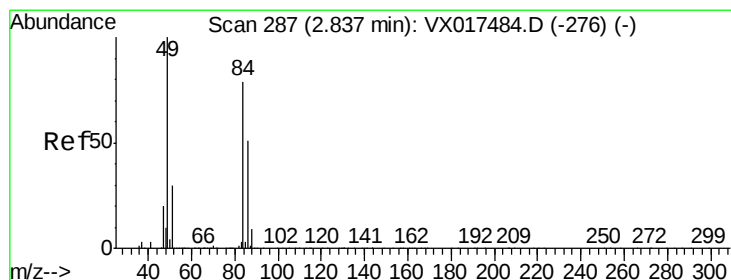
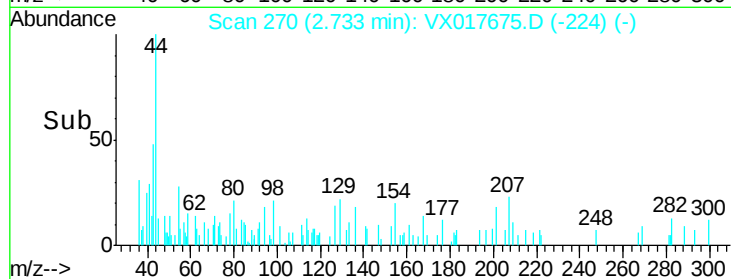
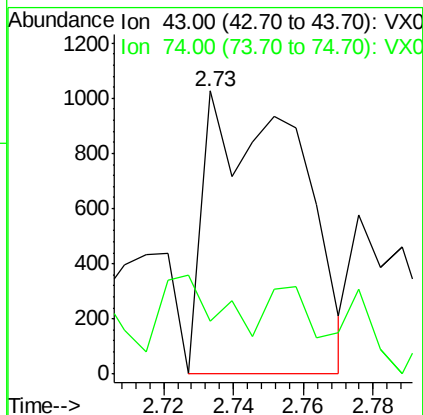
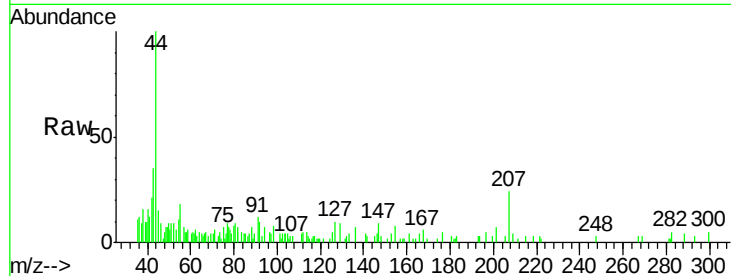




#18
Methyl Acetate
Concen: 0.294 ug/l
RT: 2.73 min Scan# 270
Delta R.T. -0.02 min
Lab File: VX017675.D
Acq: 30 Jul 2020 11:38

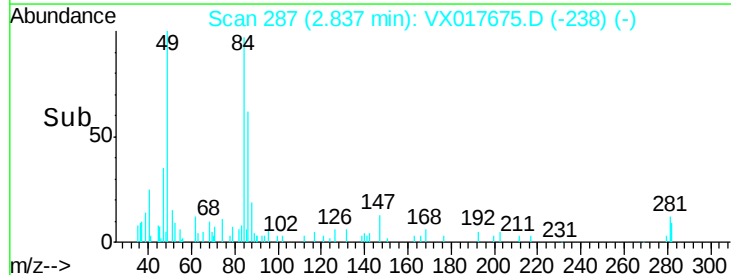
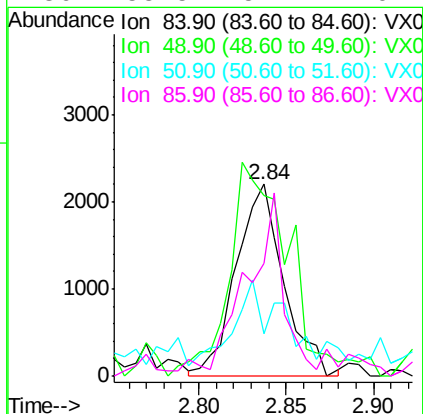
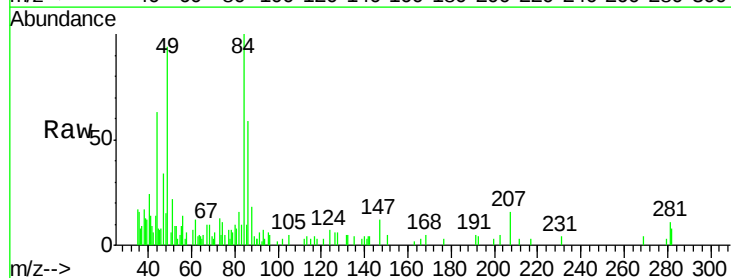
Instrument :
MSVOA_X
ClientSampled :

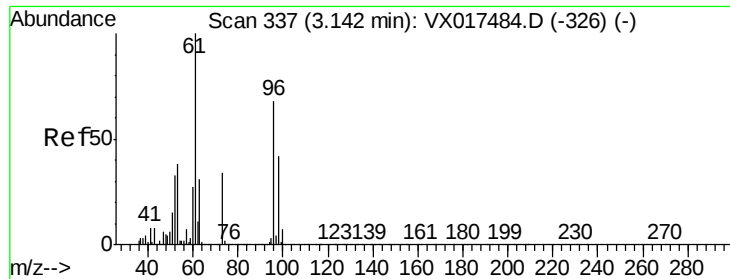
Tot Ion: 43 Resp: 1916
Ion Ratio Lower Upper
43 100
74 17.5 17.5 26.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017675.D
Acq: 30 Jul 2020 11:38

Tgt Ion: 84 Resp: 4168
Ion Ratio Lower Upper
84 100
49 89.7 100.3 150.5#
51 17.2 30.5 45.7#
86 55.5 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 0.266 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX017675.D

Acq: 30 Jul 2020 11:38

Instrument :
MSVOA_X
ClientSampled :

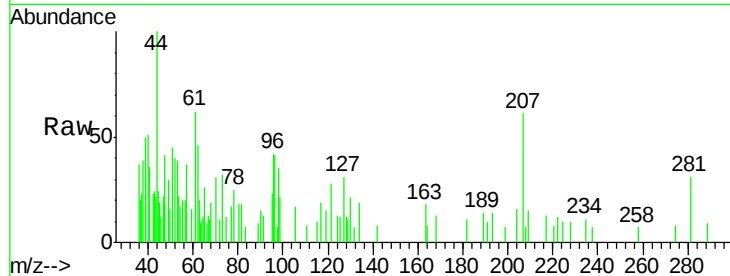
Tot Ion: 96 Resp: 1438

Ion Ratio Lower Upper

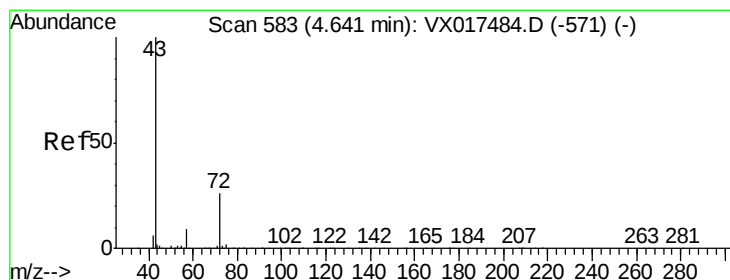
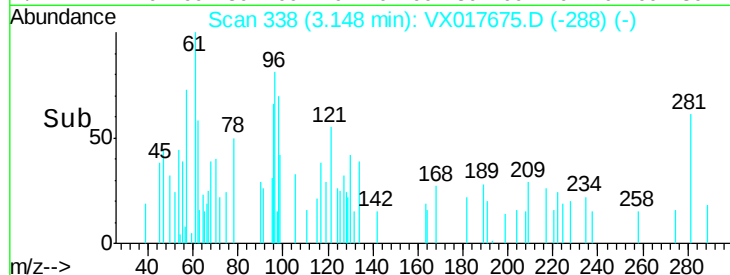
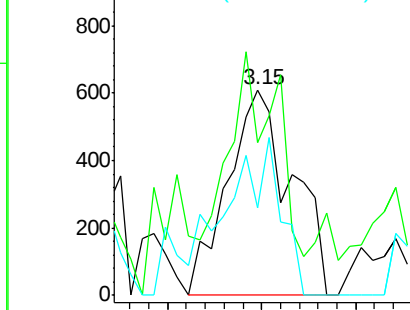
96 100

61 57.6 113.0 169.4#

98 42.2 51.8 77.8#



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#25

2-Butanone

Concen: 0.429 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX017675.D

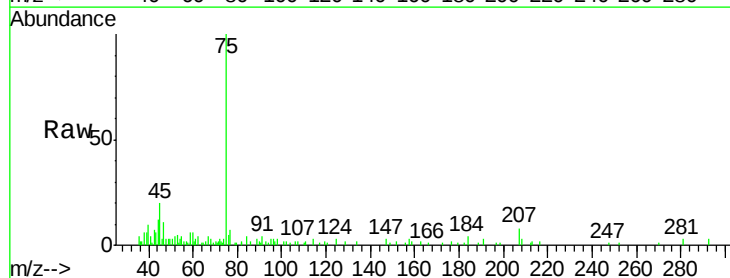
Acq: 30 Jul 2020 11:38

Tgt Ion: 43 Resp: 1685

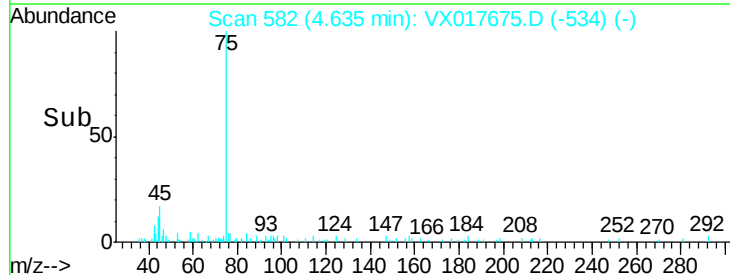
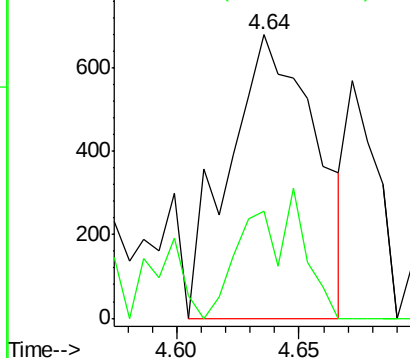
Ion Ratio Lower Upper

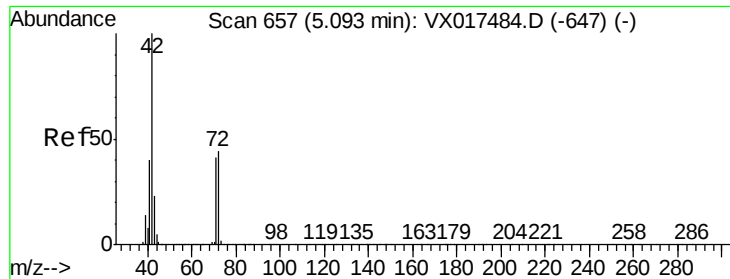
43 100

72 37.8 19.0 28.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0

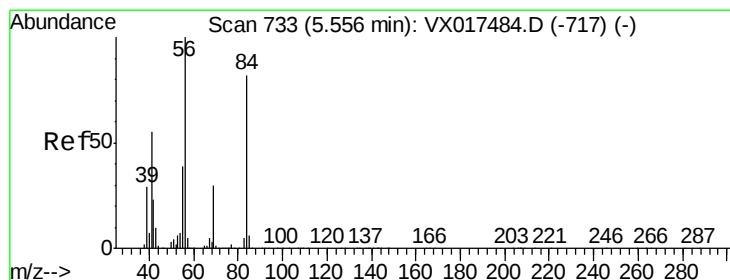
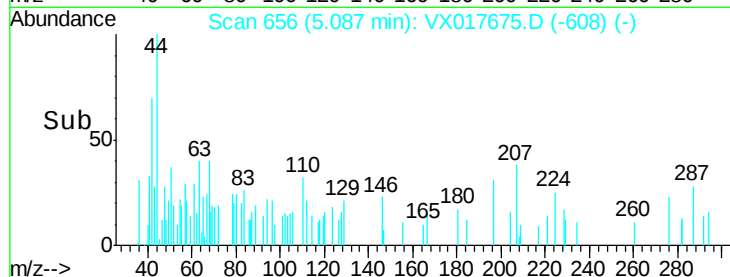
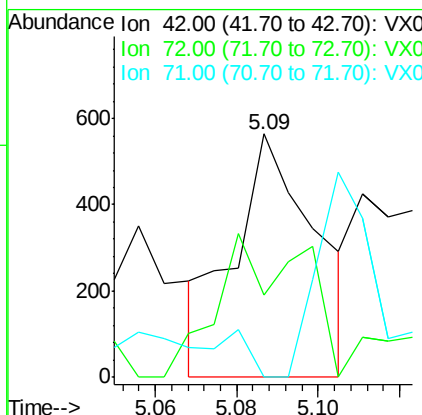
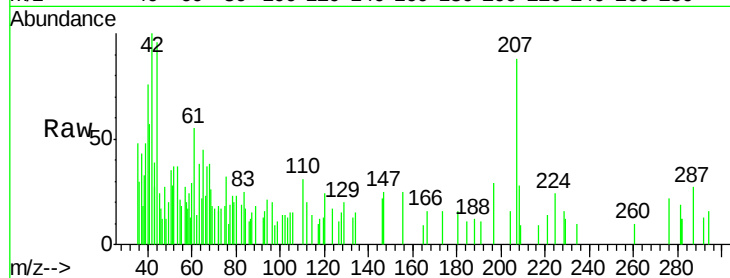




#29
Tetrahydrofuran
Concen: 0.320 ug/l
RT: 5.09 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX017675.D
Acq: 30 Jul 2020 11:38

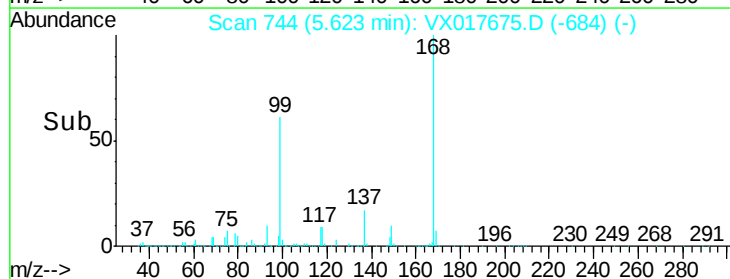
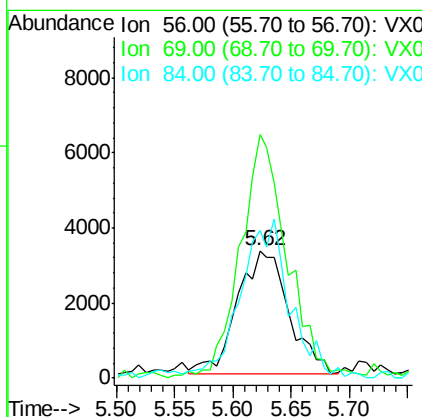
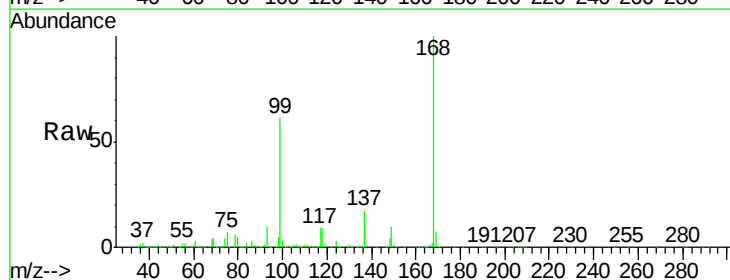
Instrument :
MSVOA_X
ClientSampleId :

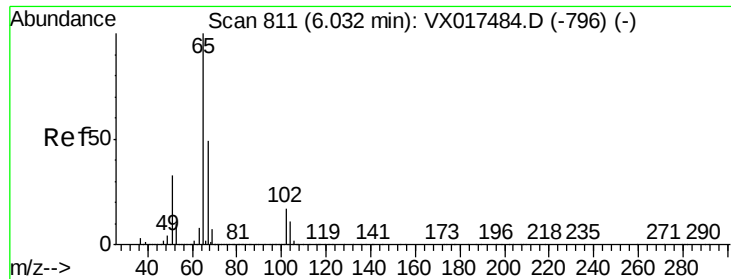
Tot Ion: 42 Resp: 780
Ion Ratio Lower Upper
42 100
72 70.5 35.5 53.3#
71 24.0 33.0 49.4#



#31
Cyclohexane
Concen: 1.309 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX017675.D
Acq: 30 Jul 2020 11:38

Tgt Ion: 56 Resp: 10148
Ion Ratio Lower Upper
56 100
69 194.1 24.2 36.4#
84 115.2 69.0 103.6#

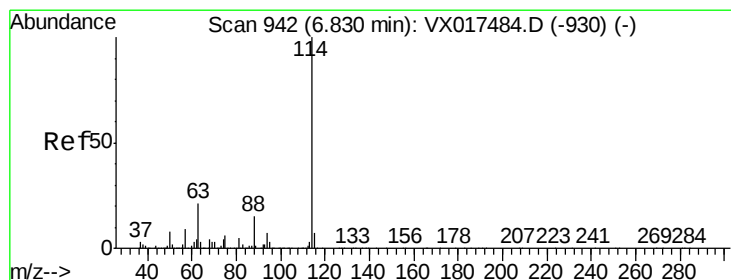
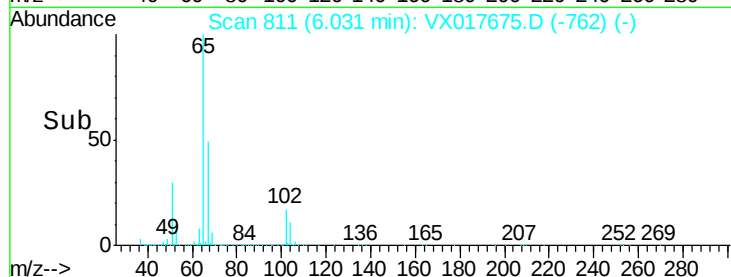
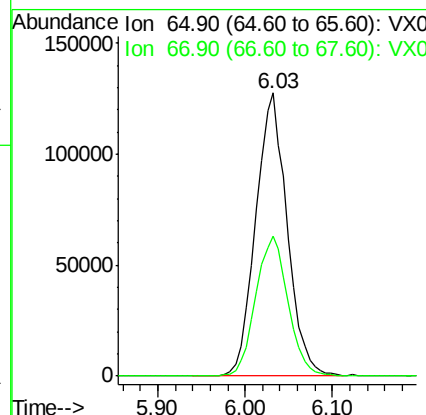
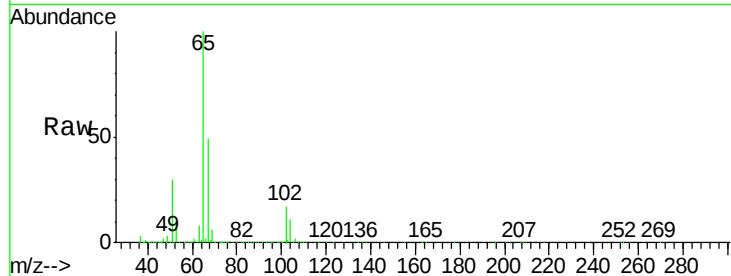




#33
 1,2-Dichloroethane-d4
 Concen: 50.748 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017675.D
 Acq: 30 Jul 2020 11:38

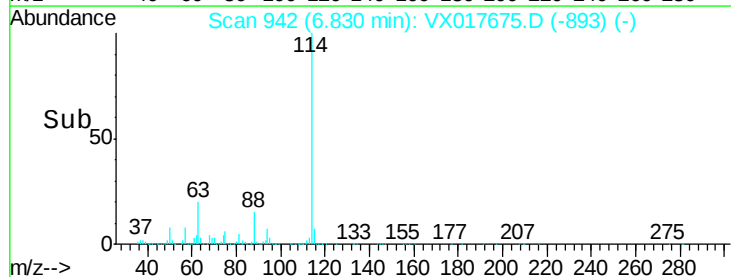
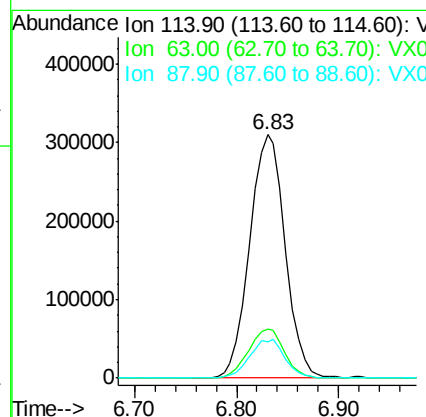
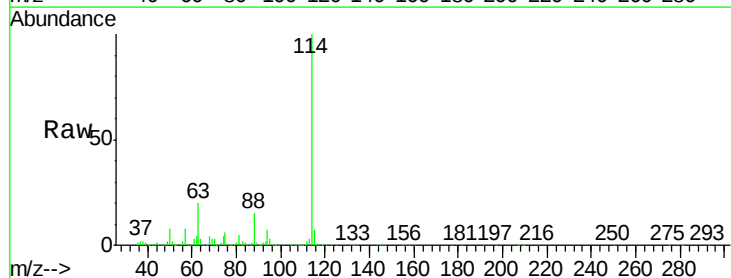
Instrument :
 MSVOA_X
 ClientSampleId :

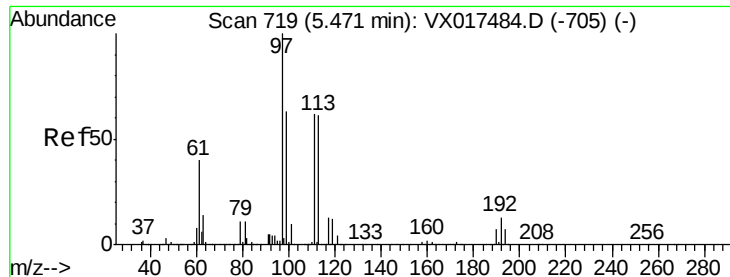
Tot Ion: 65 Resp: 318996
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX017675.D
 Acq: 30 Jul 2020 11:38

Tgt Ion: 114 Resp: 748382
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.6
 88 15.1 0.0 33.4

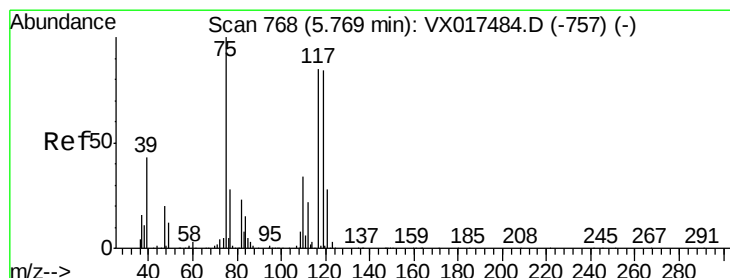
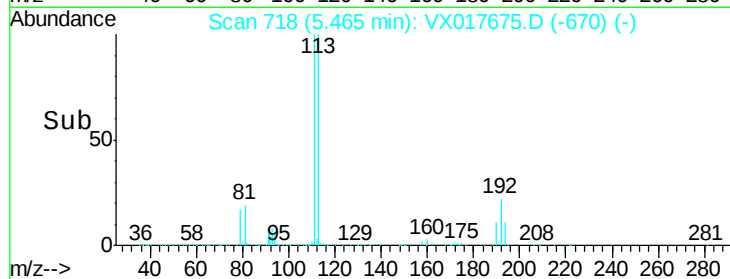
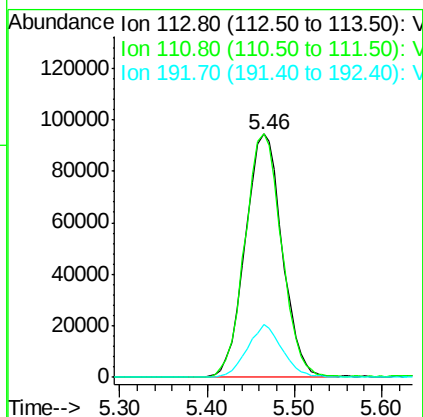
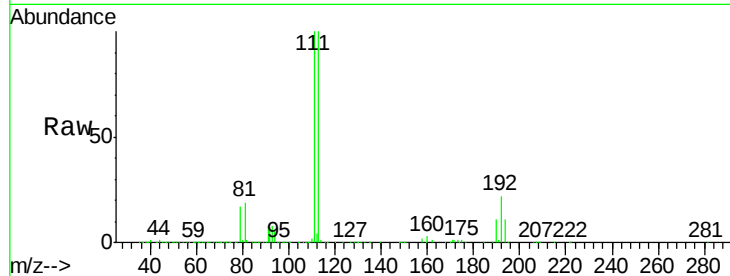




#35
Dibromofluoromethane
Concen: 55.240 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.01 min
Lab File: VX017675.D
Acq: 30 Jul 2020 11:38

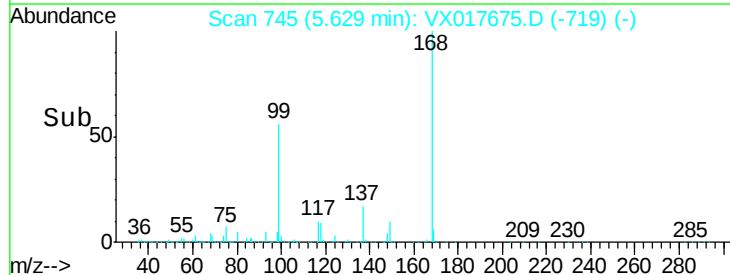
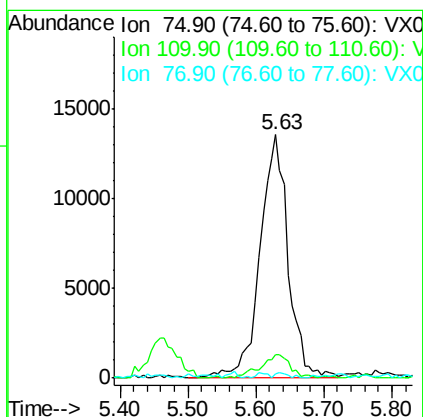
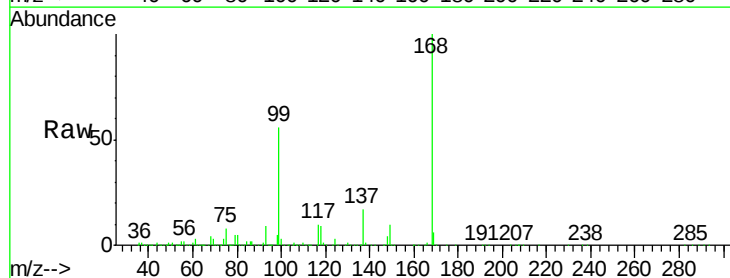
Instrument :
MSVOA_X
ClientSampleId :

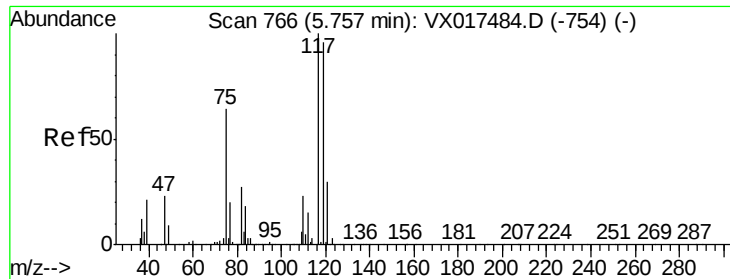
Tot Ion:113 Resp: 276489
Ion Ratio Lower Upper
113 100
111 99.4 80.7 121.1
192 20.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.459 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.14 min
Lab File: VX017675.D
Acq: 30 Jul 2020 11:38

Tgt Ion: 75 Resp: 39181
Ion Ratio Lower Upper
75 100
110 10.3 18.1 54.3#
77 1.1 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.463 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX017675.D

Acq: 30 Jul 2020 11:38

Instrument :

MSVOA_X

ClientSampleId :

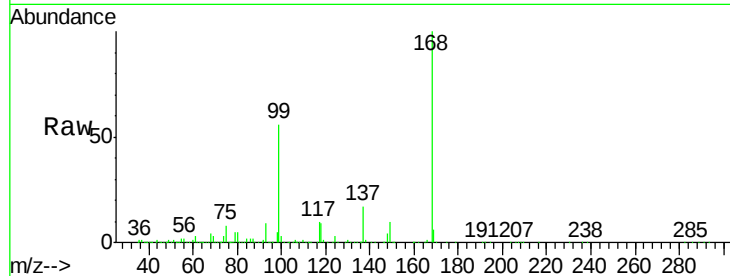
Tot Ion: 117 Resp: 47615

Ion Ratio Lower Upper

117 100

119 6.1 75.4 113.0#

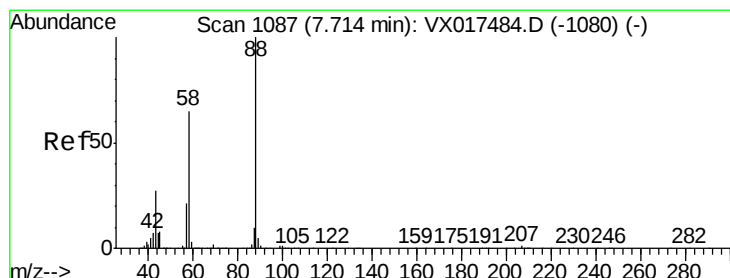
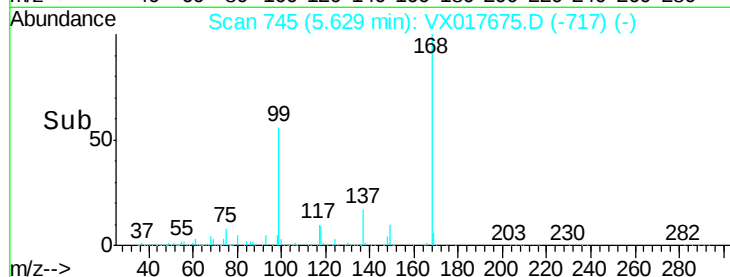
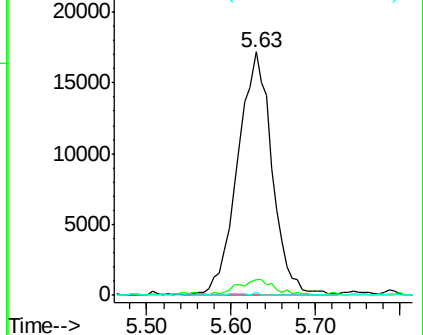
121 1.0 24.3 36.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 2.193 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX017675.D

Acq: 30 Jul 2020 11:38

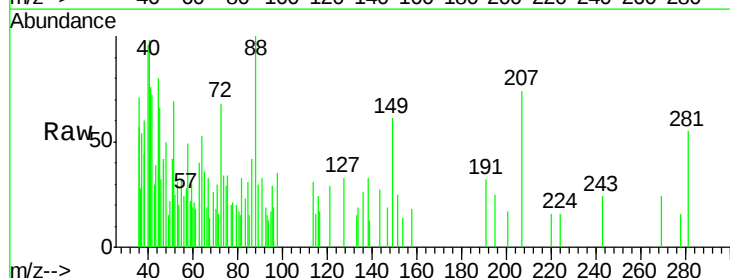
Tgt Ion: 88 Resp: 270

Ion Ratio Lower Upper

88 100

43 0.0 27.8 41.6#

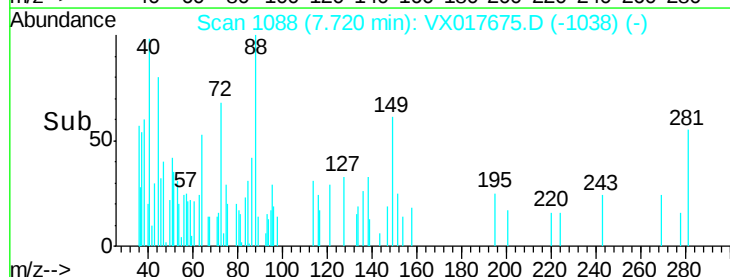
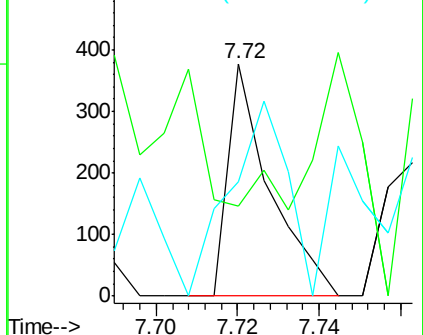
58 114.4 58.3 87.5#

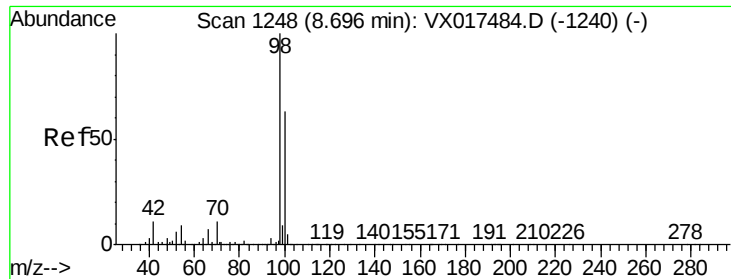


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.647 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX017675.D

Acq: 30 Jul 2020 11:38

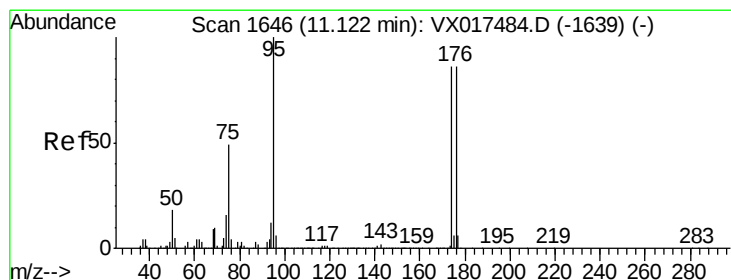
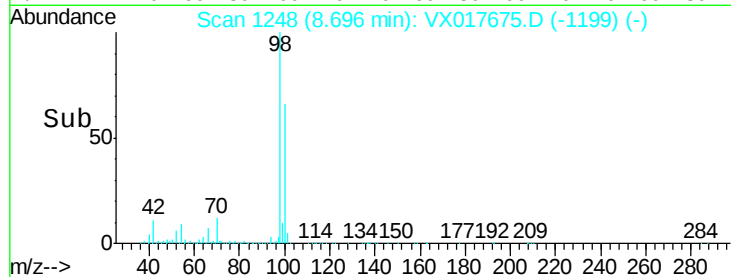
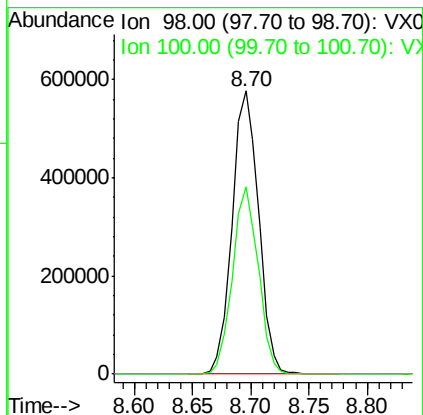
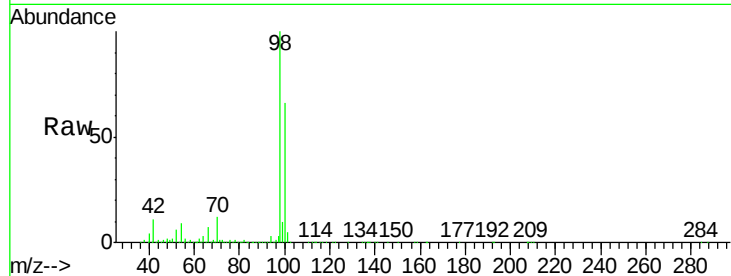
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 914485

Ion Ratio Lower Upper

98 100

100 64.4 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 54.503 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017675.D

Acq: 30 Jul 2020 11:38

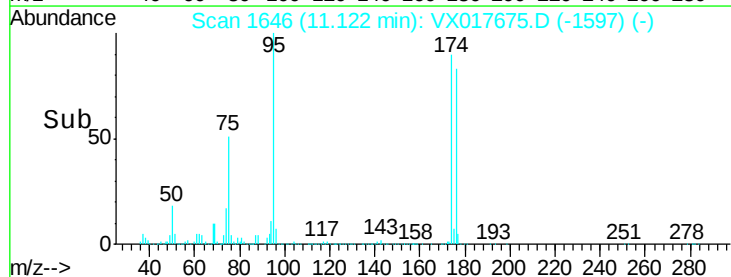
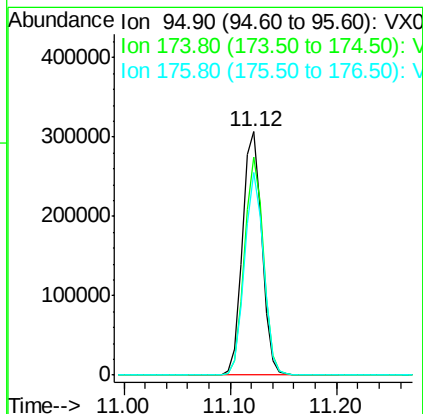
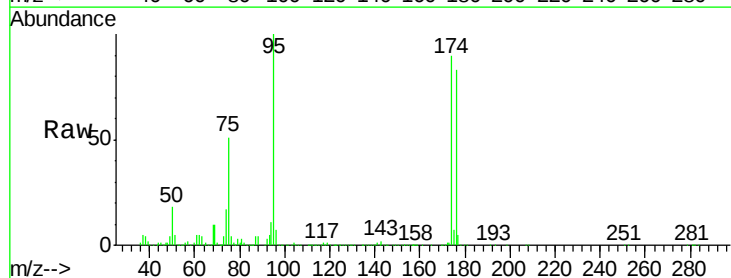
Tgt Ion: 95 Resp: 393849

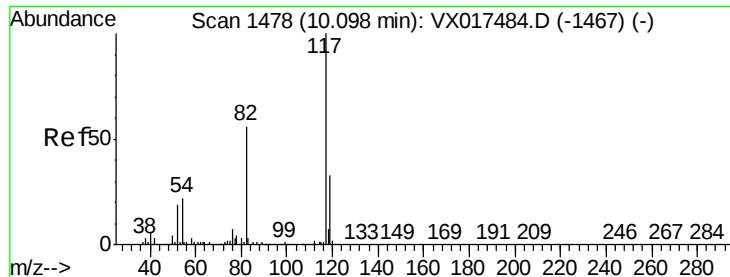
Ion Ratio Lower Upper

95 100

174 87.6 0.0 169.0

176 82.2 0.0 161.0

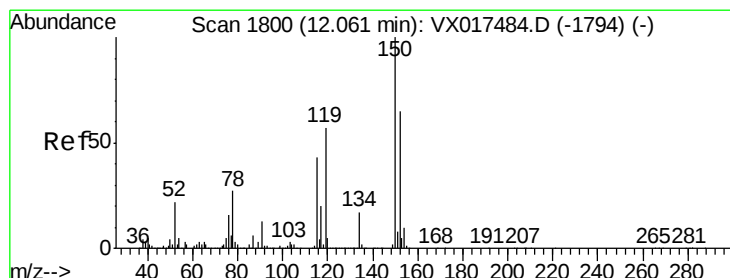
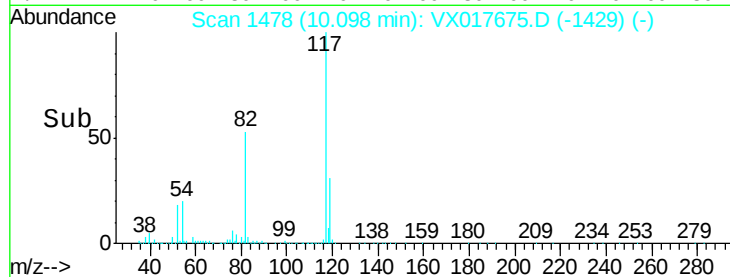
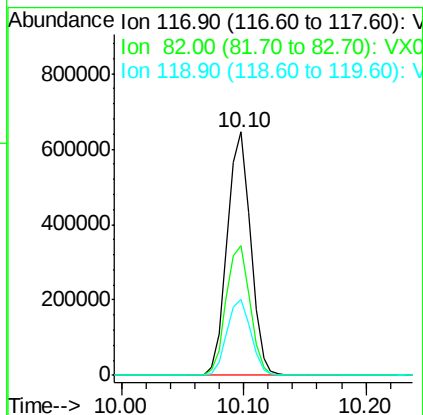
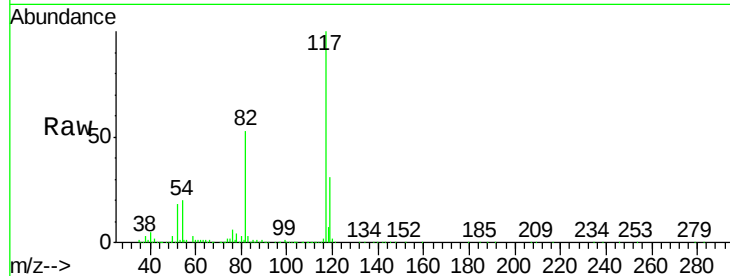




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017675.D
Acq: 30 Jul 2020 11:38

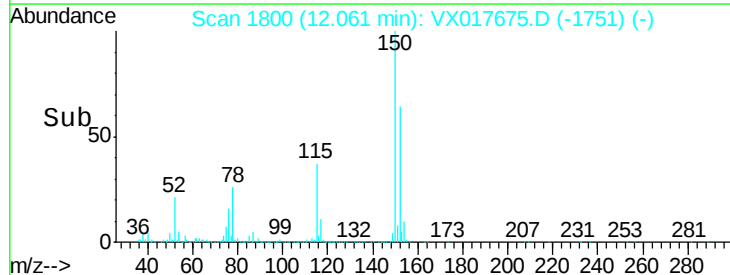
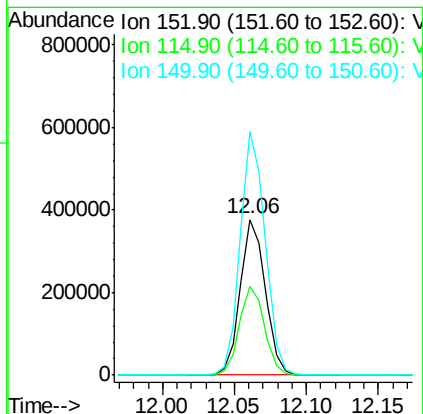
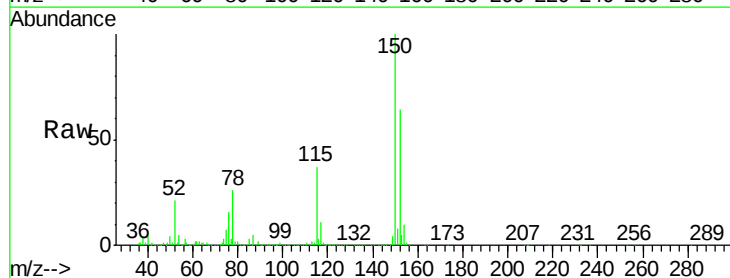
Instrument :
MSVOA_X
ClientSampleId :

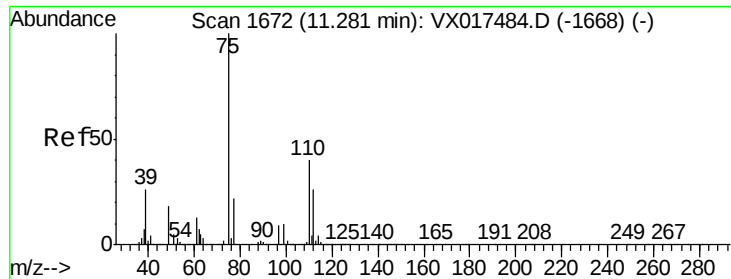
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	44.0	66.0
119	31.2	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX017675.D
Acq: 30 Jul 2020 11:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	65.5	196.6#
150	155.8	0.0	412.6





#76

1,2,3-Trichloropropane

Concen: 21.614 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017675.D

Acq: 30 Jul 2020 11:38

Instrument :

MSVOA_X

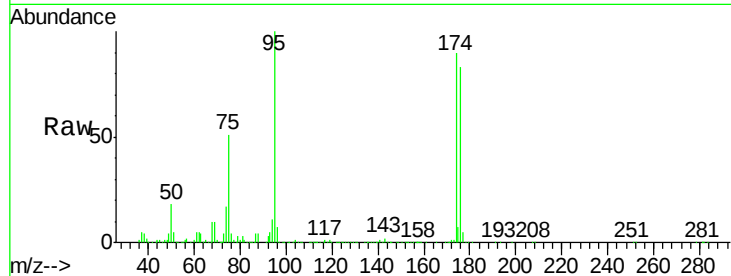
ClientSampleId :

Tot Ion: 75 Resp: 202515

Ion Ratio Lower Upper

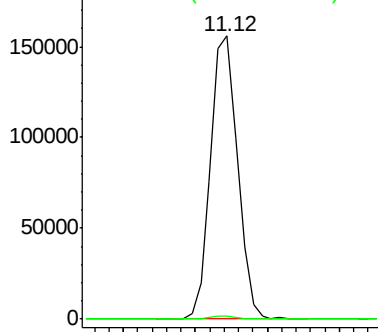
75 100

77 1.3 21.8 65.3#

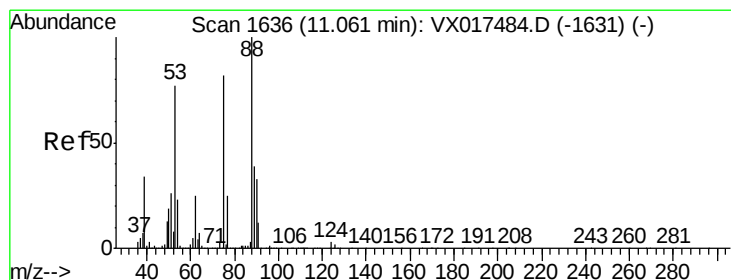
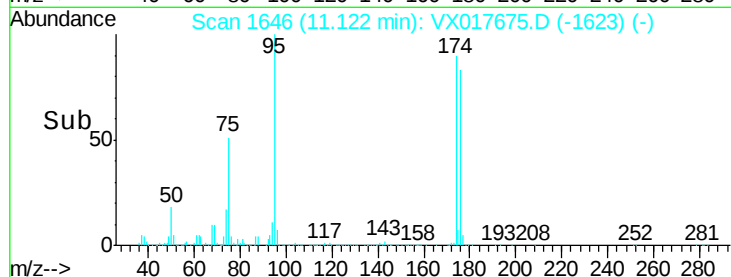


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 54.461 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017675.D

Acq: 30 Jul 2020 11:38

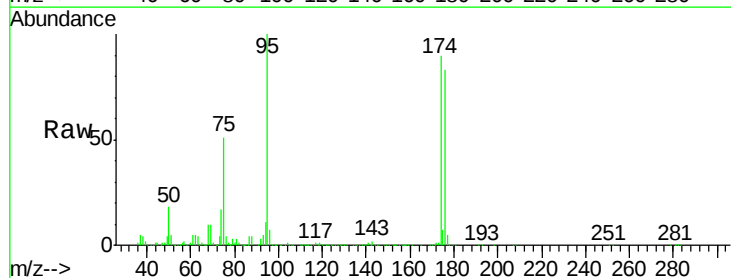
Tgt Ion: 75 Resp: 202515

Ion Ratio Lower Upper

75 100

53 0.6 75.9 113.9#

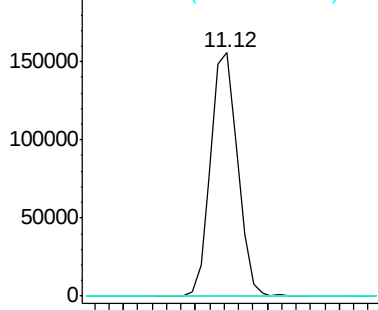
89 0.1 37.8 56.6#



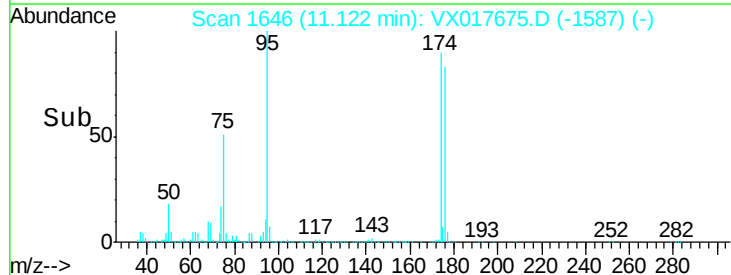
Abundance Ion 74.90 (74.60 to 75.60): VX0

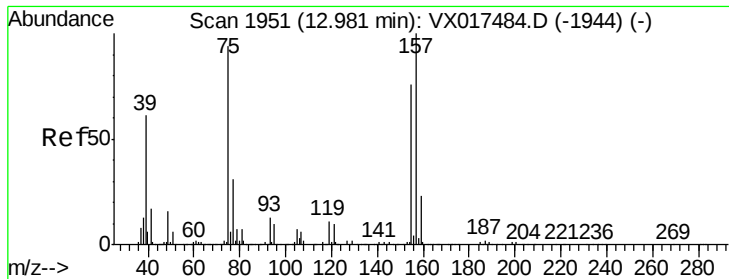
Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



Time-->

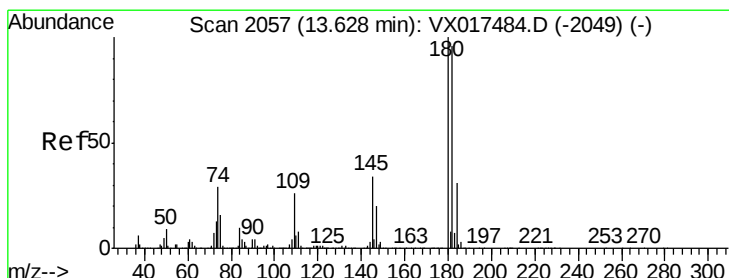
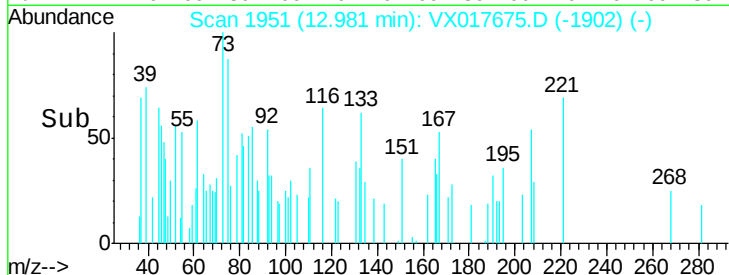
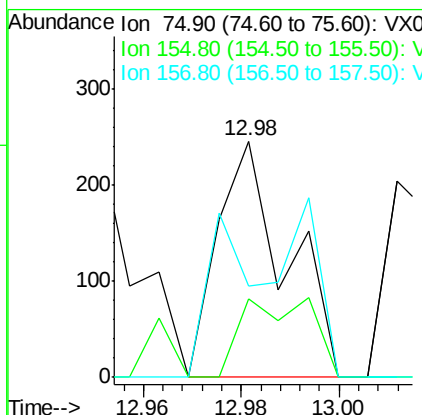
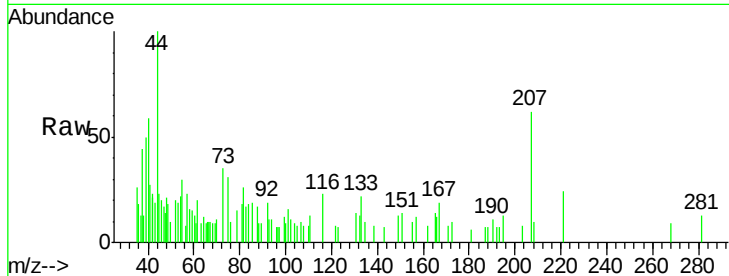




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.659 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX017675.D
 Acq: 30 Jul 2020 11:38

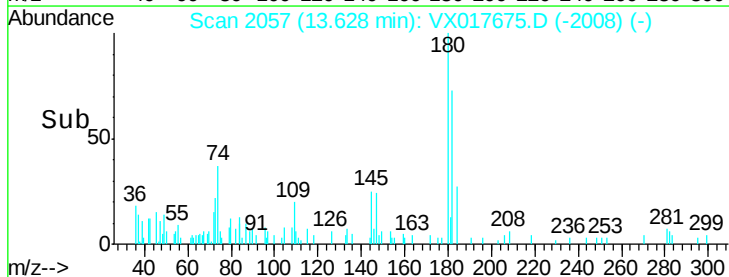
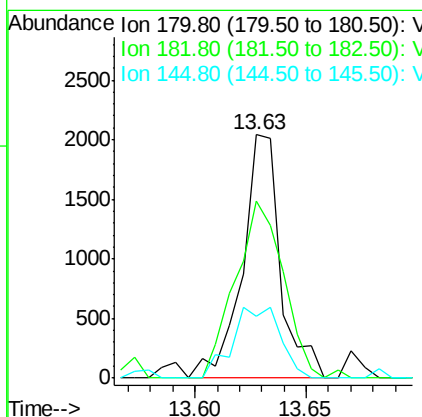
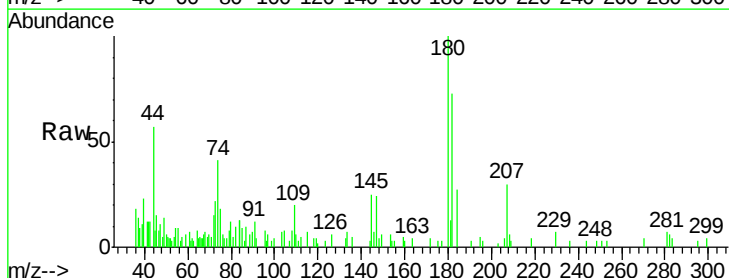
Instrument :
 MSVOA_X
 ClientSampled :

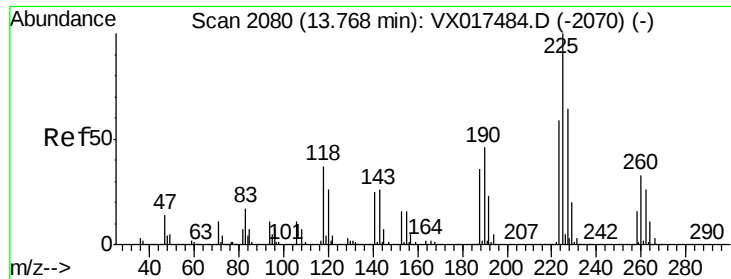
Tot Ion: 75 Resp: 239
 Ion Ratio Lower Upper
 75 100
 155 34.3 42.3 126.8#
 157 84.1 54.3 162.9



#93
 1,2,4-Trichlorobenzene
 Concen: 0.243 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX017675.D
 Acq: 30 Jul 2020 11:38

Tgt Ion:180 Resp: 2450
 Ion Ratio Lower Upper
 180 100
 182 92.0 47.5 142.6
 145 36.7 15.4 46.4





#94

Hexachlorobutadiene

Concen: 0.270 ug/l

RT: 13.76 min Scan# 2078

Delta R.T. -0.01 min

Lab File: VX017675.D

Acq: 30 Jul 2020 11:38

Instrument :

MSVOA_X

ClientSampleId :

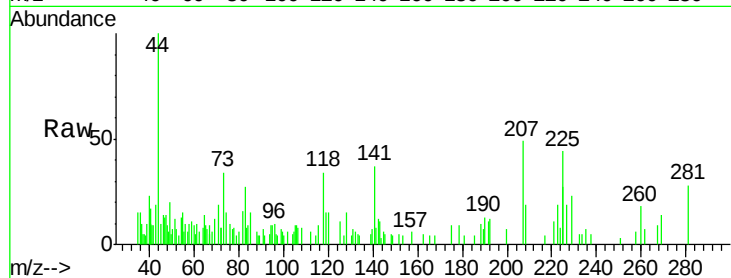
Tot Ion:225 Resp: 1252

Ion Ratio Lower Upper

225 100

223 60.9 30.3 90.9

227 67.0 31.1 93.2



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

