

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072820\
 Data File : VX017656.D
 Acq On : 28 Jul 2020 16:27
 Operator : JC/SP
 Sample : L3440-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 29 02:28:38 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	5.64	168	484945	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	816472	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	867676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	483450	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	337198	54.13	ug/l	0.00
Spiked Amount			Recovery	=	108.26%	
35) Dibromofluoromethane	5.46	113	283397	51.90	ug/l	0.00
Spiked Amount			Recovery	=	103.80%	
50) Toluene-d8	8.70	98	1005000	51.02	ug/l	0.00
Spiked Amount			Recovery	=	102.04%	
62) 4-Bromofluorobenzene	11.12	95	450914	57.20	ug/l	0.00
Spiked Amount			Recovery	=	114.40%	

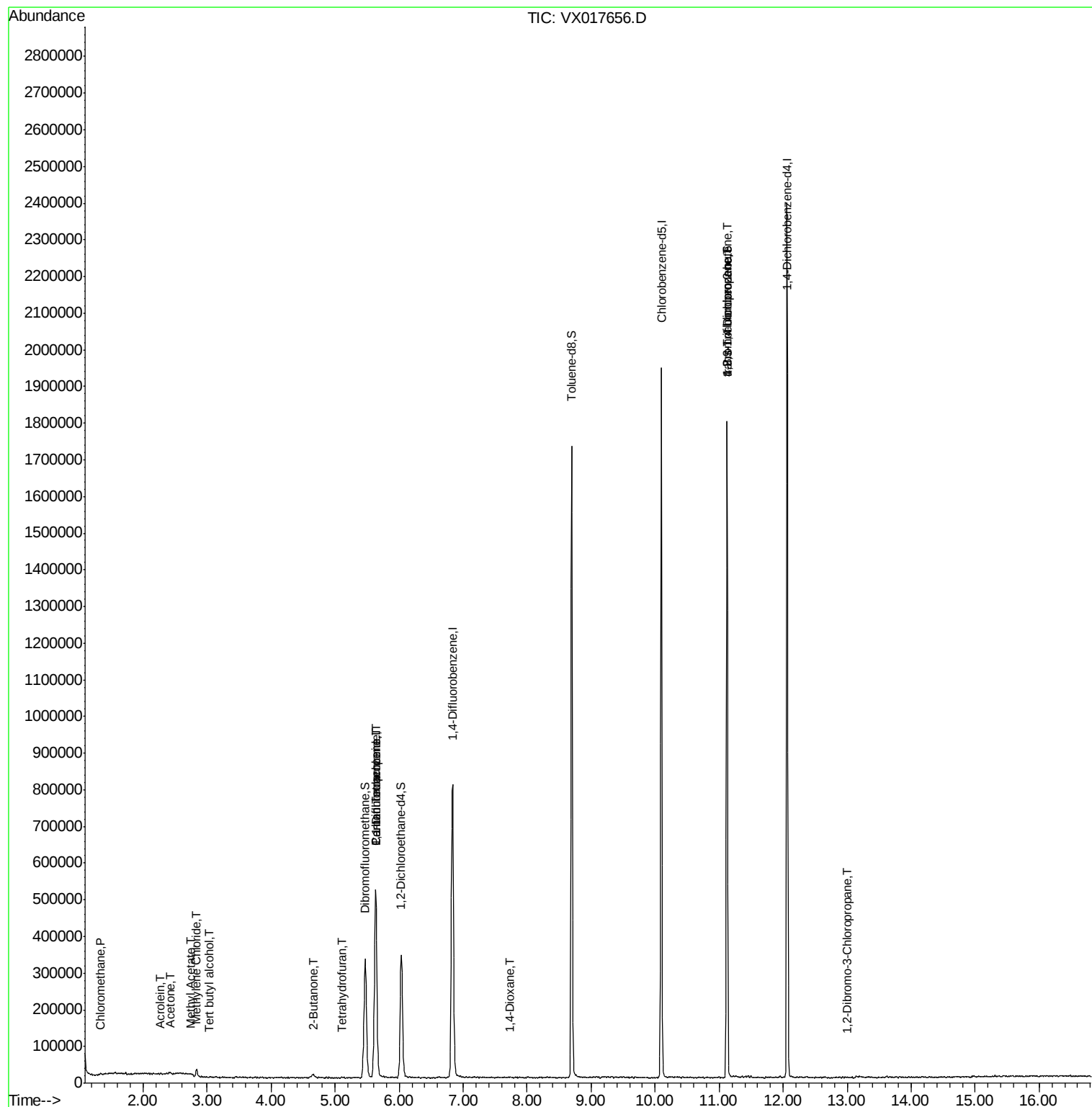
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	323	Below Cal	#	42
3) Chloromethane	1.32	50	1072	0.544	ug/l #	77
5) Bromomethane	1.65	94	405	Below Cal	#	30
6) Chloroethane	1.70	64	419	Below Cal	#	63
8) Diethyl Ether	2.17	74	624	Below Cal		84
11) Tert butyl alcohol	3.04	59	326	0.248	ug/l #	41
13) Acrolein	2.28	56	261	4.405	ug/l #	83
16) Acetone	2.42	43	2940	1.072	ug/l #	70
18) Methyl Acetate	2.75	43	2575	0.399	ug/l #	63
20) Methylene Chloride	2.84	84	10171	0.704	ug/l #	85
25) 2-Butanone	4.66	43	1416	0.364	ug/l #	81
29) Tetrahydrofuran	5.11	42	1267	0.525	ug/l #	79
36) 1,1-Dichloropropene	5.64	75	36854	4.706	ug/l #	52
38) Carbon Tetrachloride	5.64	117	48259	5.075	ug/l #	17
49) 1,4-Dioxane	7.73	88	222	1.652	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	226172	22.743	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	226172	57.307	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.99	75	518	2.744	ug/l #	6

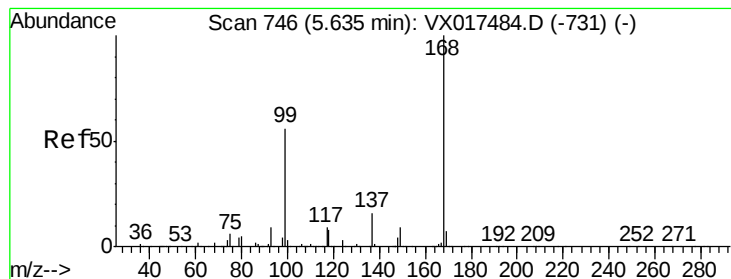
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017656.D

Acq: 28 Jul 2020 16:27

Instrument :

MSVOA_X

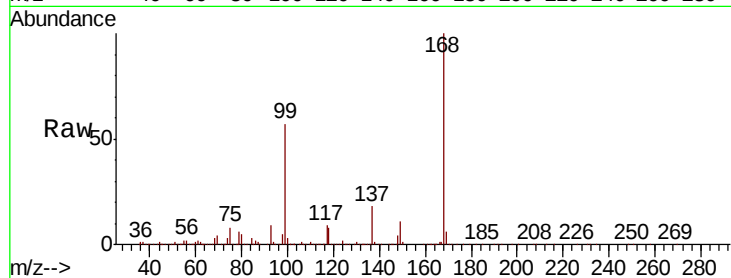
ClientSampleId :

Tot Ion:168 Resp: 484945

Ion Ratio Lower Upper

168 100

99 57.1 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

200000

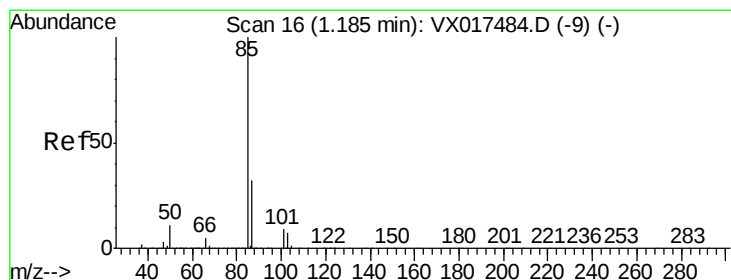
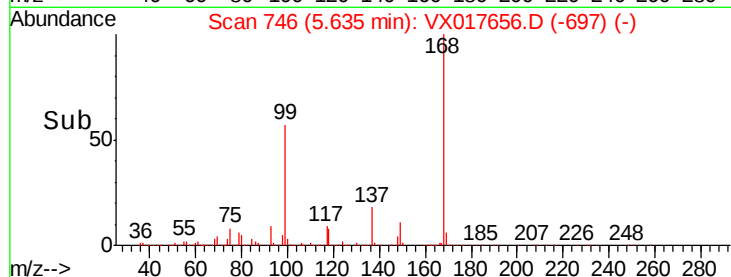
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 19

Delta R.T. 0.02 min

Lab File: VX017656.D

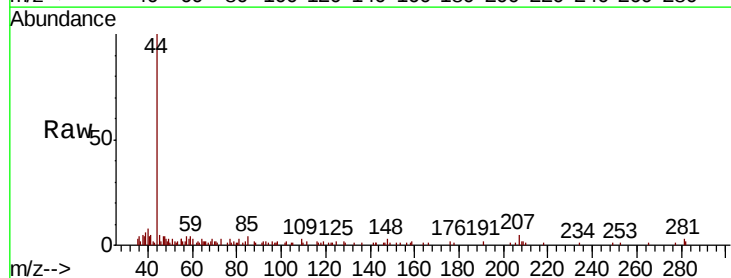
Acq: 28 Jul 2020 16:27

Tgt Ion: 85 Resp: 323

Ion Ratio Lower Upper

85 100

87 0.0 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

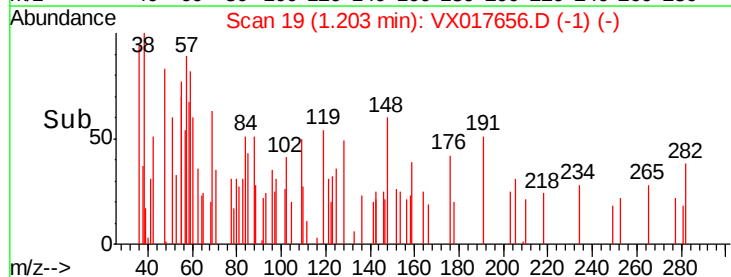
300

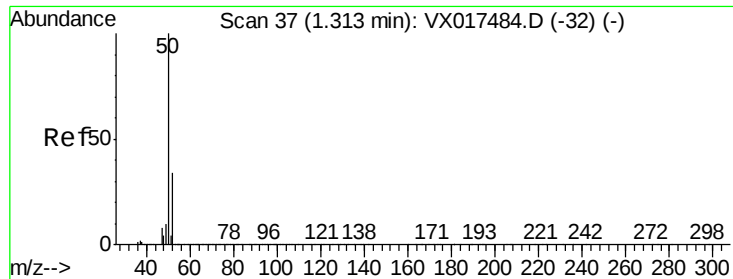
200

100

0

Time-->

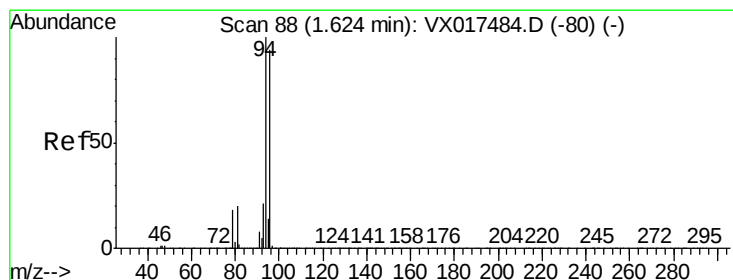
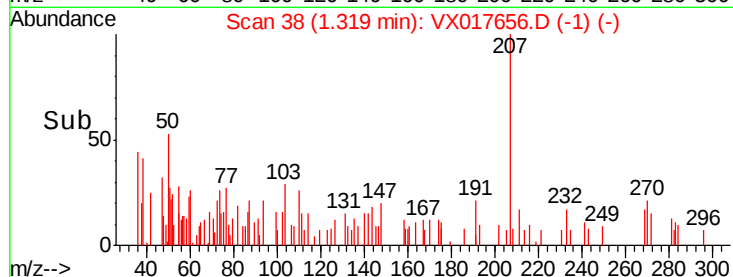
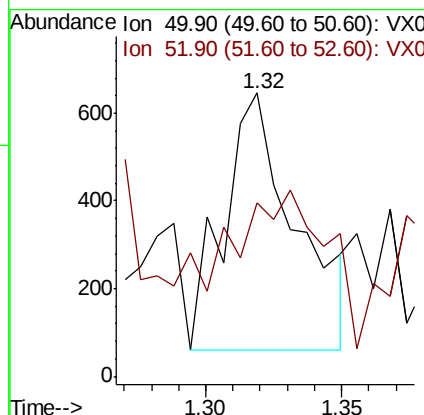
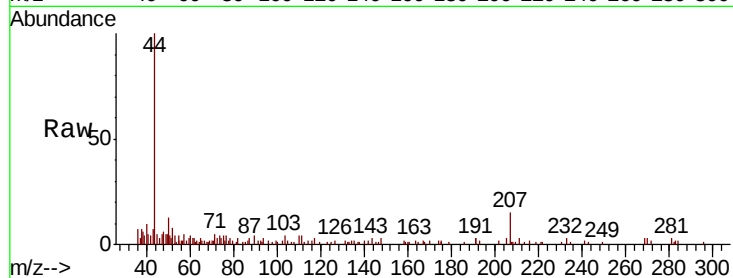




#3
Chloromethane
Concen: 0.544 ug/l
RT: 1.32 min Scan# 38
Delta R.T. 0.01 min
Lab File: VX017656.D
Acq: 28 Jul 2020 16:27

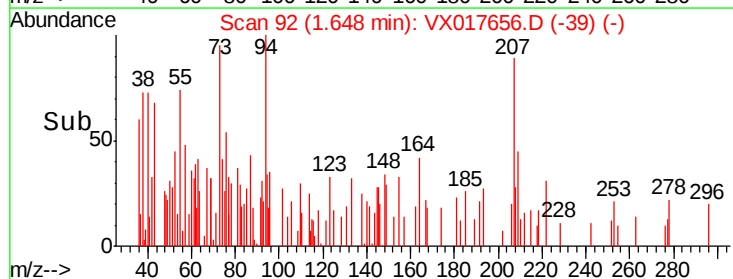
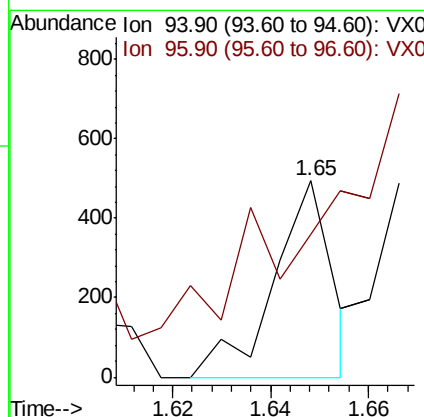
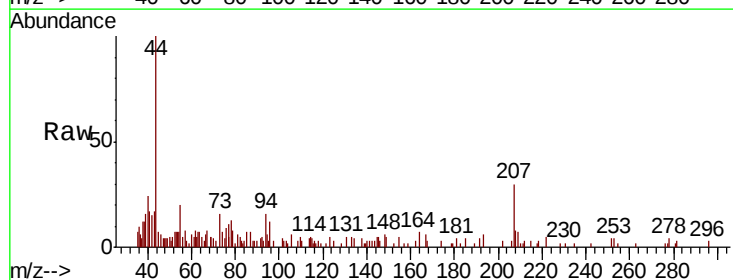
Instrument :
MSVOA_X
ClientSampleId :

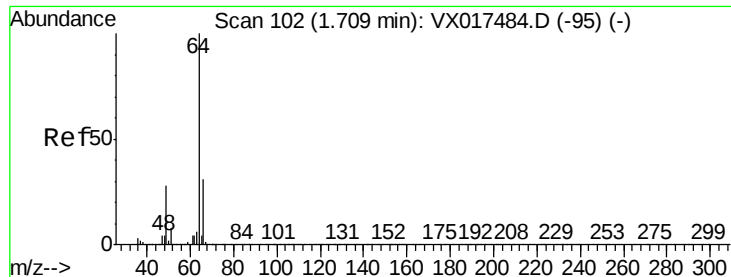
Tot Ion: 50 Resp: 1072
Ion Ratio Lower Upper
50 100
52 19.5 25.9 38.9#



#5
Bromomethane
Concen: Below Cal
RT: 1.65 min Scan# 92
Delta R.T. 0.03 min
Lab File: VX017656.D
Acq: 28 Jul 2020 16:27

Tgt Ion: 94 Resp: 405
Ion Ratio Lower Upper
94 100
96 25.9 74.1 111.1#





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX017656.D

Acq: 28 Jul 2020 16:27

Instrument :

MSVOA_X

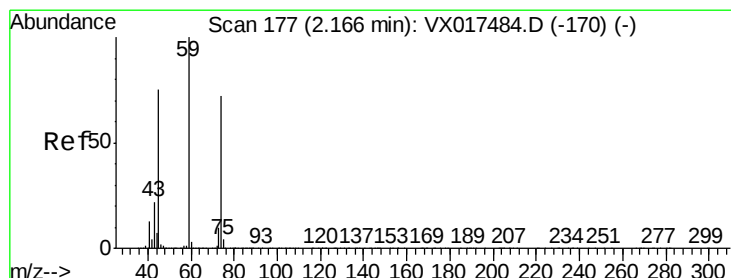
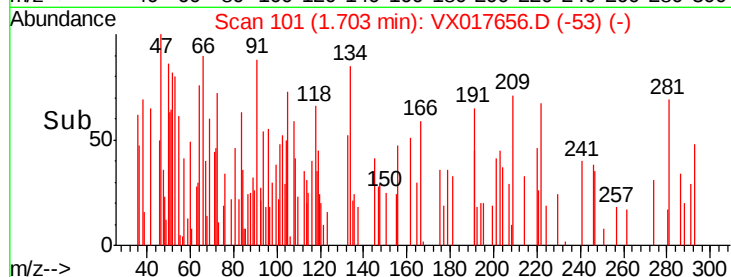
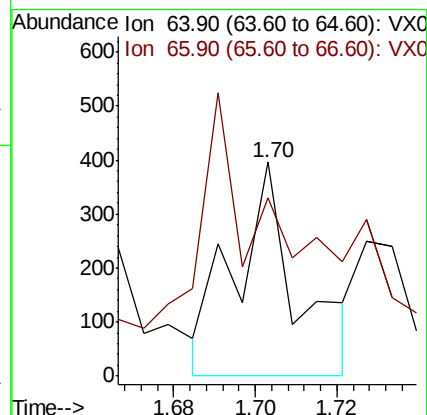
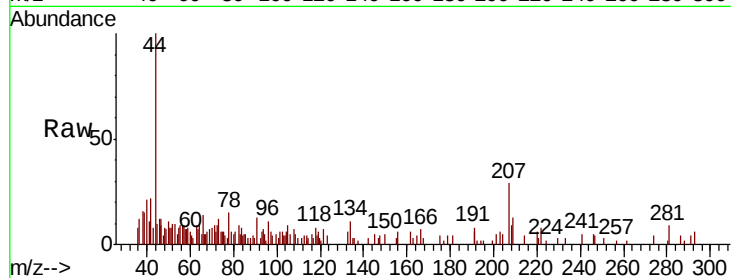
ClientSampled :

Tot Ion: 64 Resp: 419

Ion Ratio Lower Upper

64 100

66 51.7 24.9 37.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX017656.D

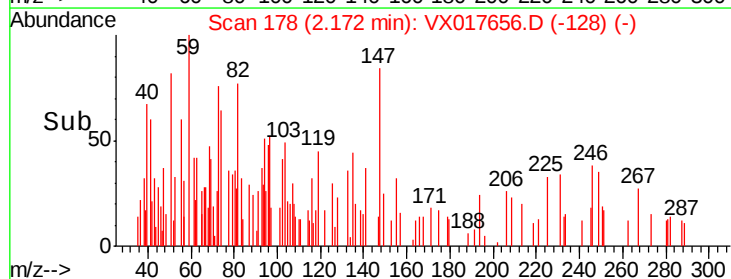
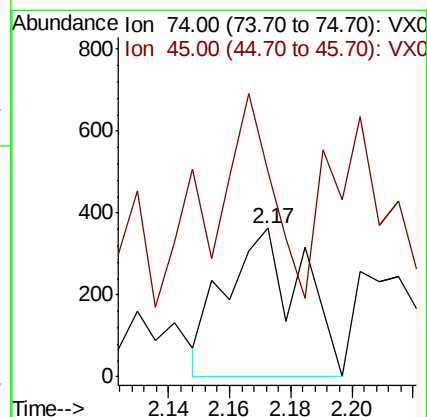
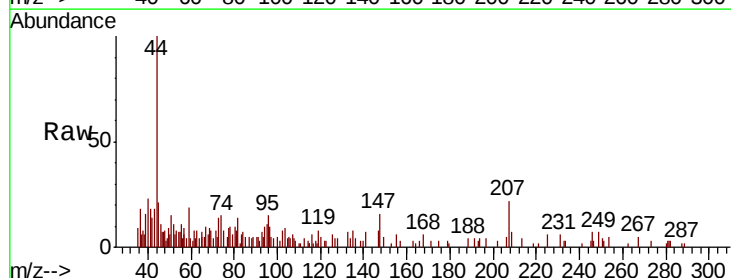
Acq: 28 Jul 2020 16:27

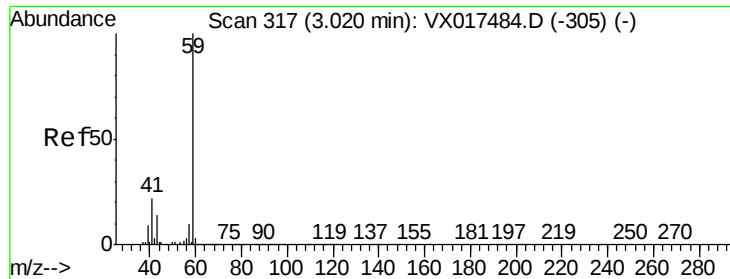
Tgt Ion: 74 Resp: 624

Ion Ratio Lower Upper

74 100

45 117.6 50.8 152.5

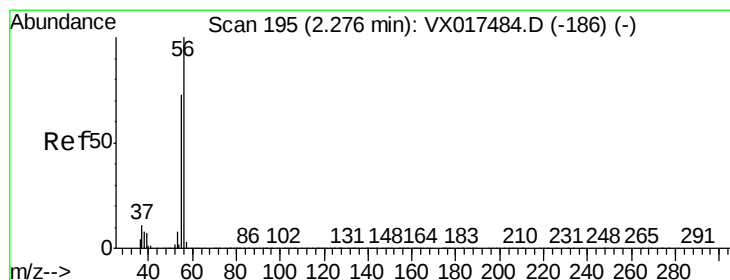
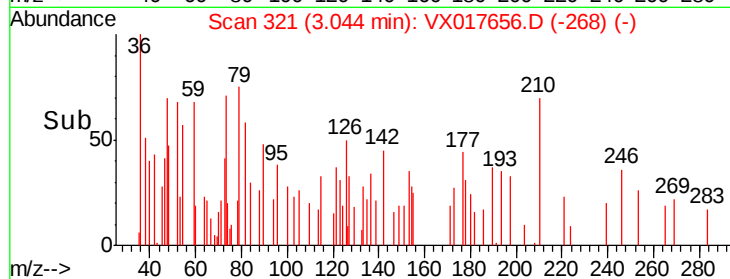
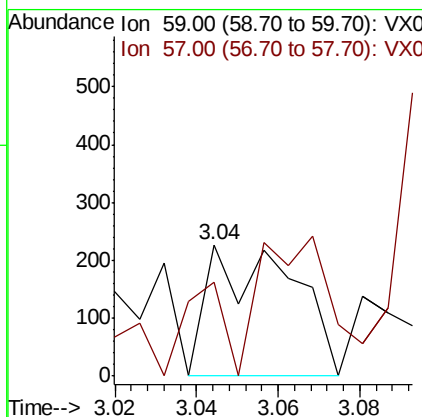
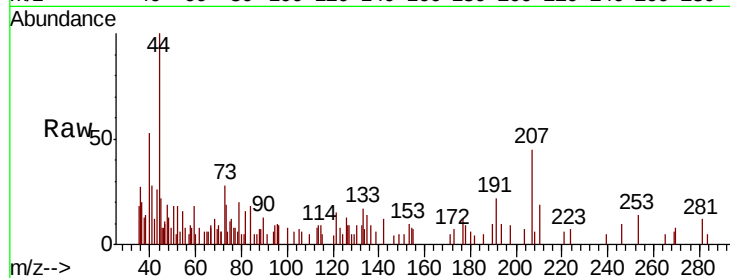




#11
Tert butyl alcohol
Concen: 0.248 ug/l
RT: 3.04 min Scan# 321
Delta R.T. 0.02 min
Lab File: VX017656.D
Acq: 28 Jul 2020 16:27

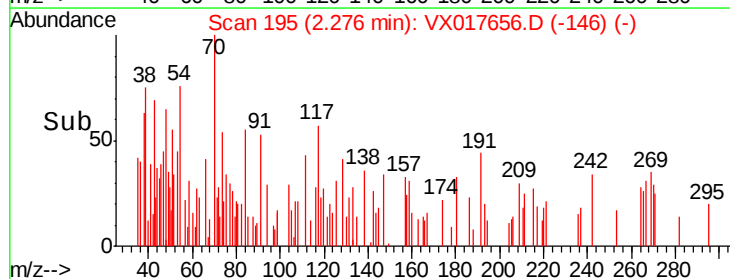
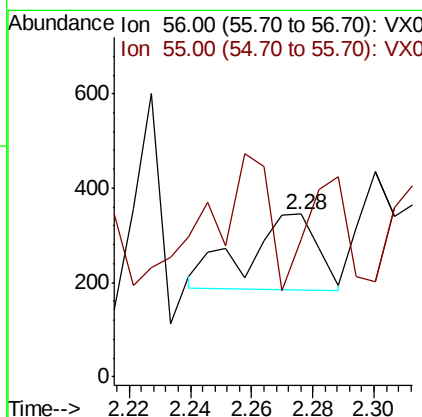
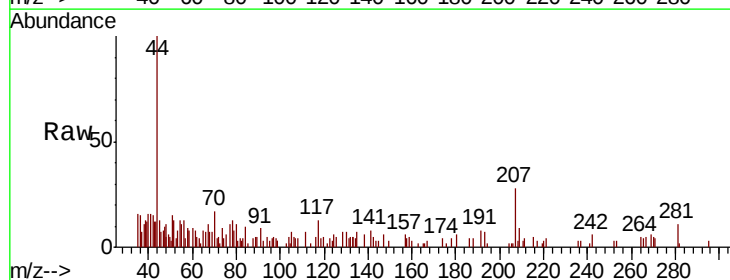
Instrument :
MSVOA_X
ClientSampled :

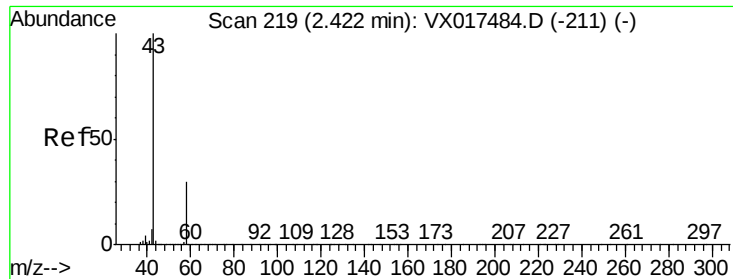
Tot Ion: 59 Resp: 326
Ion Ratio Lower Upper
59 100
57 32.8 8.6 12.8#



#13
Acrolein
Concen: 4.405 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.00 min
Lab File: VX017656.D
Acq: 28 Jul 2020 16:27

Tgt Ion: 56 Resp: 261
Ion Ratio Lower Upper
56 100
55 86.2 57.4 86.2#

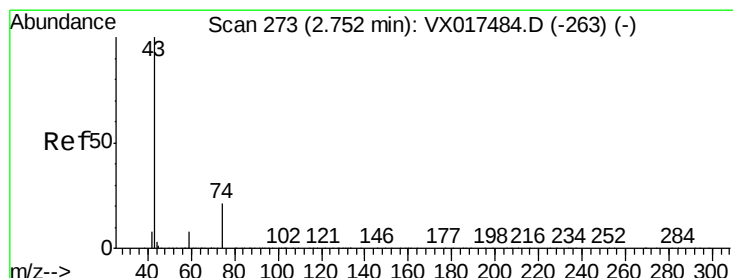
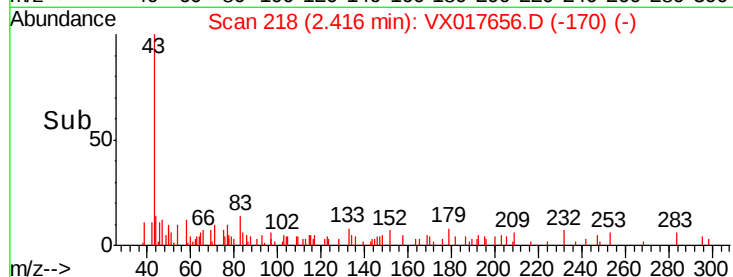
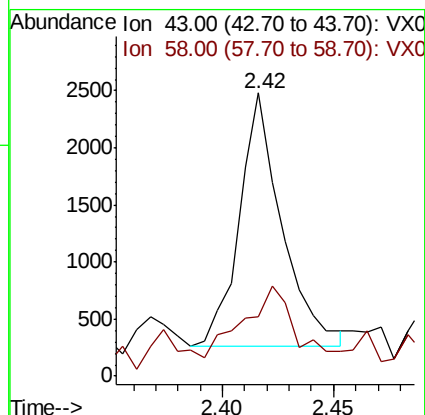
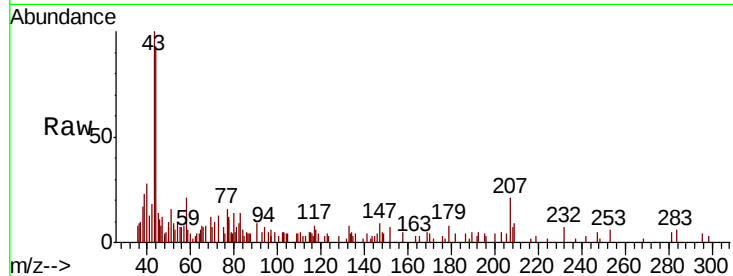




#16
Acetone
Concen: 1.072 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX017656.D
Acq: 28 Jul 2020 16:27

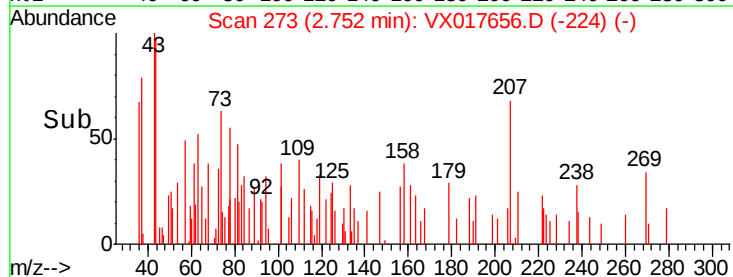
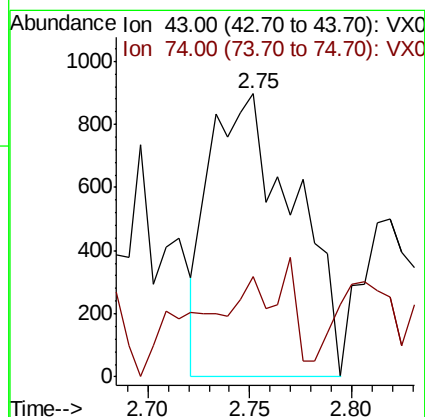
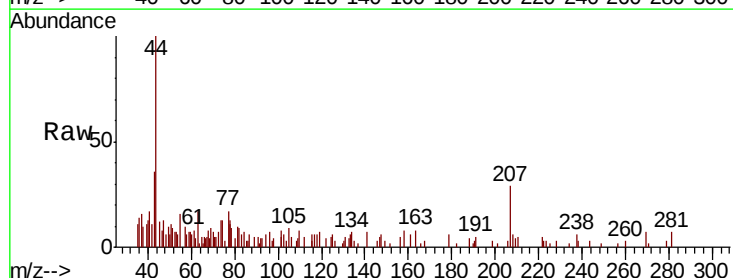
Instrument :
MSVOA_X
ClientSampled :

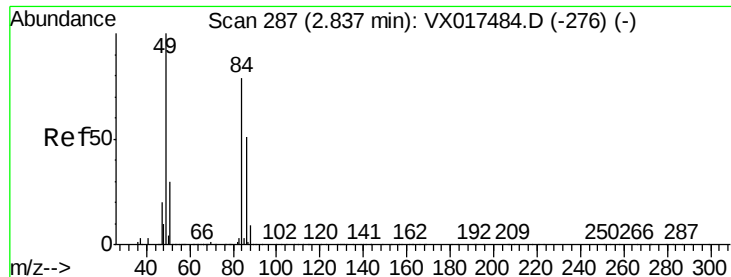
Tot Ion: 43 Resp: 2940
Ion Ratio Lower Upper
43 100
58 13.7 24.2 36.4#



#18
Methyl Acetate
Concen: 0.399 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX017656.D
Acq: 28 Jul 2020 16:27

Tgt Ion: 43 Resp: 2575
Ion Ratio Lower Upper
43 100
74 39.4 17.5 26.3#

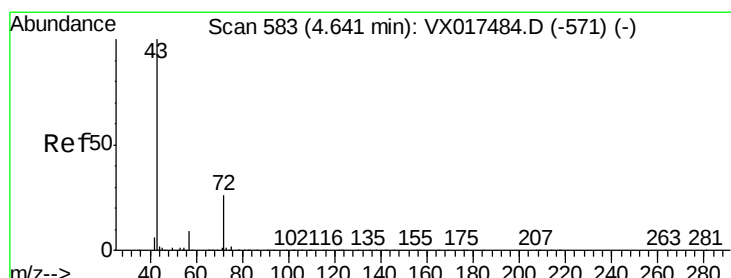
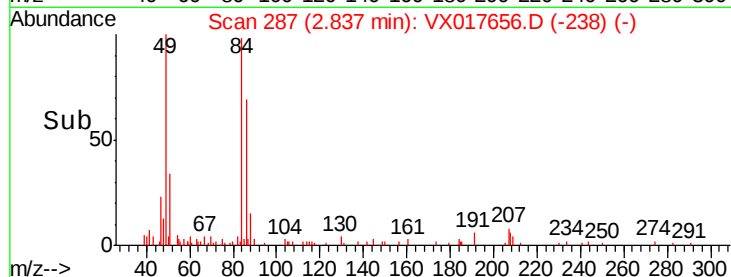
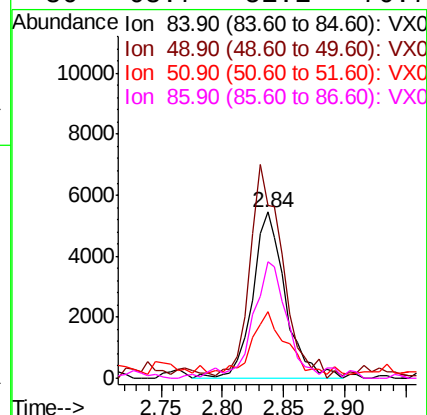
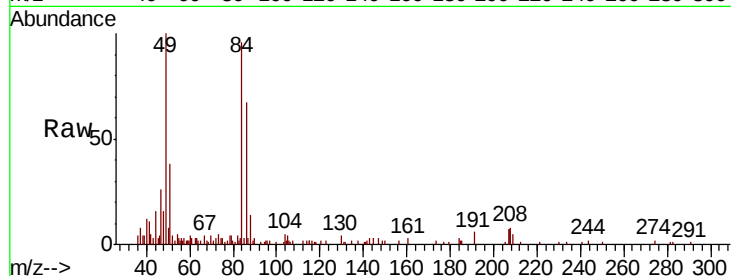




#20
Methvlene Chloride
Concen: 0.704 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017656.D
Acq: 28 Jul 2020 16:27

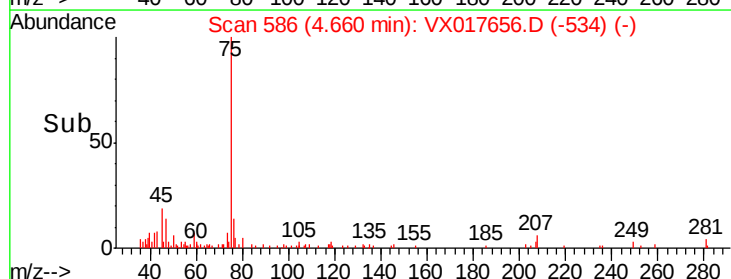
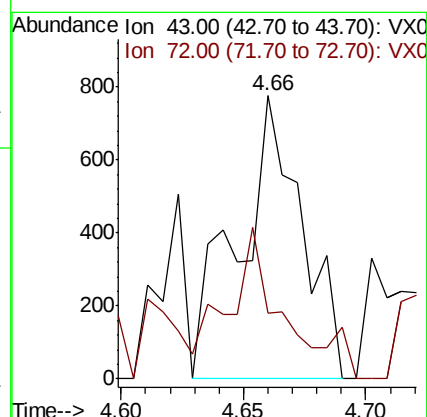
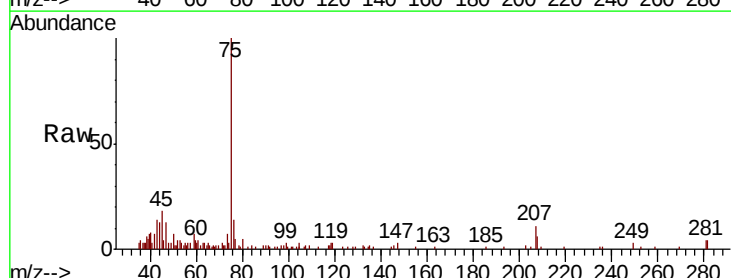
Instrument :
MSVOA_X
ClientSampled :

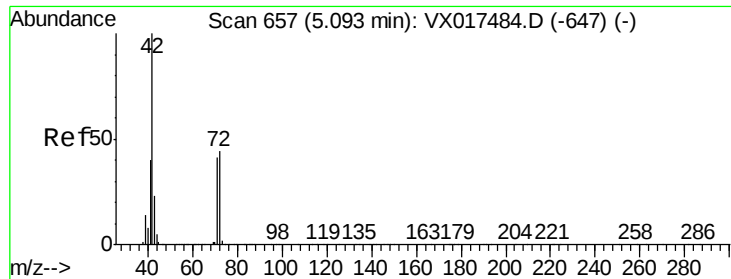
Tot Ion: 84 Resp: 10171
Ion Ratio Lower Upper
84 100
49 99.7 100.3 150.5#
51 36.7 30.5 45.7
86 68.7 51.1 76.7



#25
2-Butanone
Concen: 0.364 ug/l
RT: 4.66 min Scan# 586
Delta R.T. 0.02 min
Lab File: VX017656.D
Acq: 28 Jul 2020 16:27

Tgt Ion: 43 Resp: 1416
Ion Ratio Lower Upper
43 100
72 14.3 19.0 28.4#

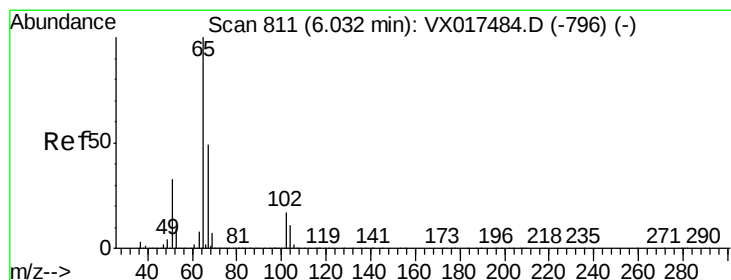
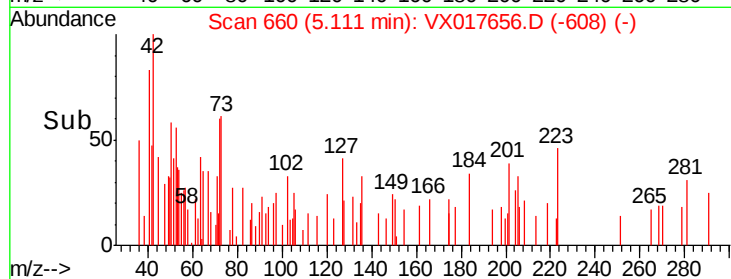
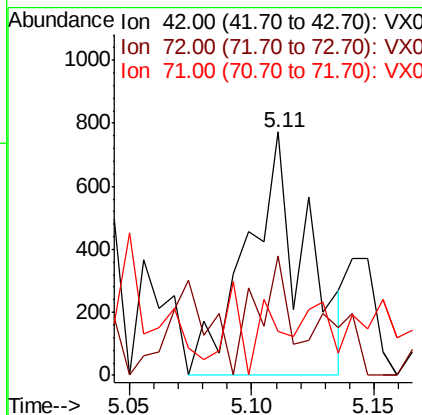
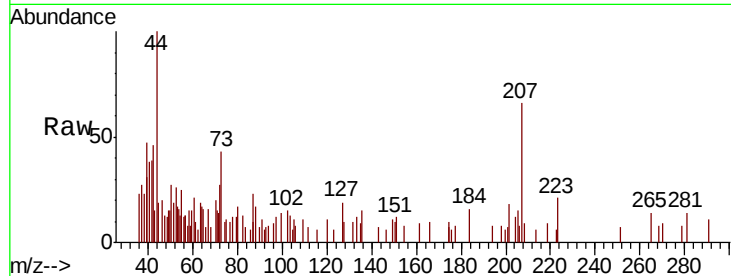




#29
Tetrahydrofuran
Concen: 0.525 ug/l
RT: 5.11 min Scan# 660
Delta R.T. 0.02 min
Lab File: VX017656.D
Acq: 28 Jul 2020 16:27

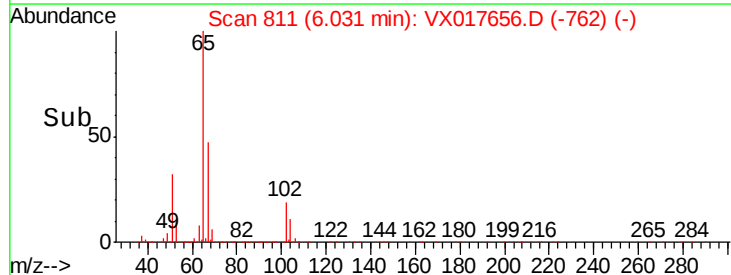
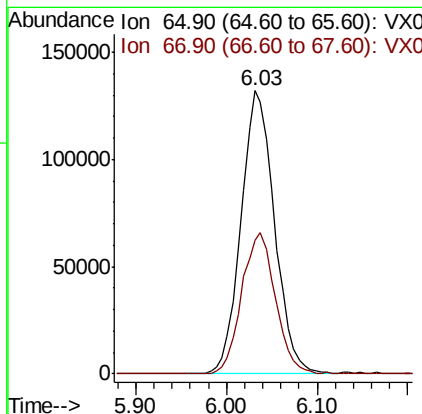
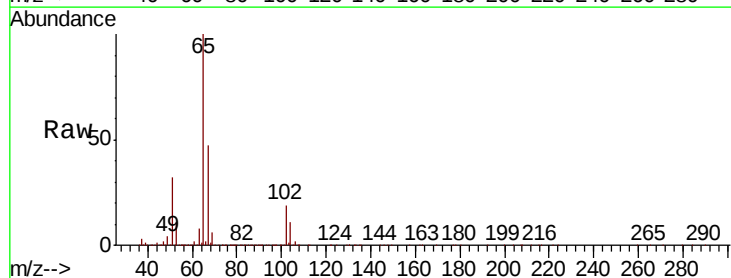
Instrument :
MSVOA_X
ClientSampleId :

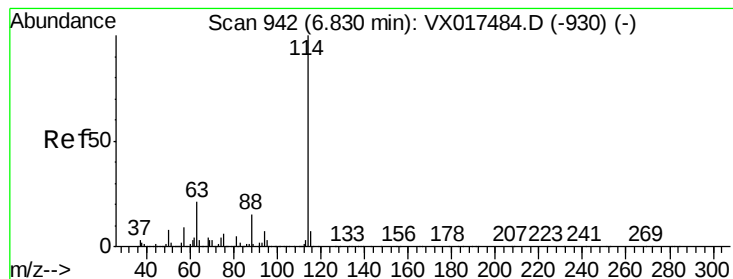
Tot Ion: 42 Resp: 1267
Ion Ratio Lower Upper
42 100
72 29.5 35.5 53.3#
71 29.2 33.0 49.4#



#33
1,2-Dichloroethane-d4
Concen: 54.131 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX017656.D
Acq: 28 Jul 2020 16:27

Tgt Ion: 65 Resp: 337198
Ion Ratio Lower Upper
65 100
67 50.2 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017656.D

Acq: 28 Jul 2020 16:27

Instrument :

MSVOA_X

ClientSampleId :

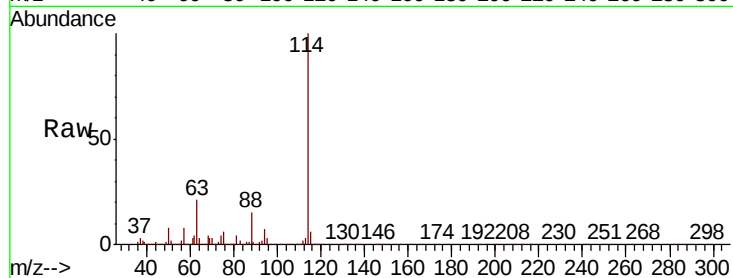
Tot Ion:114 Resp: 816472

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.6

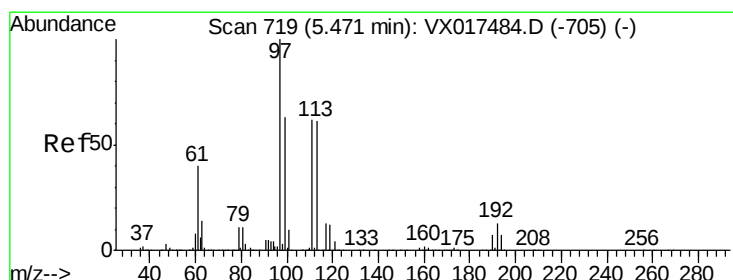
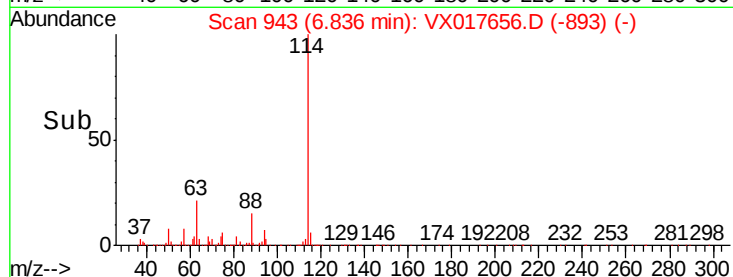
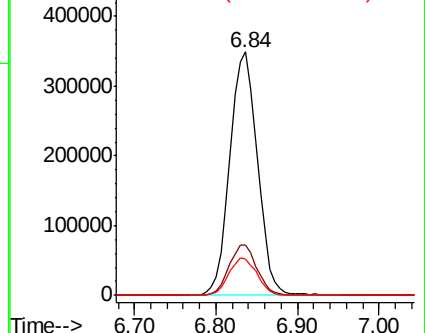
88 15.1 0.0 33.4



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: 51.898 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX017656.D

Acq: 28 Jul 2020 16:27

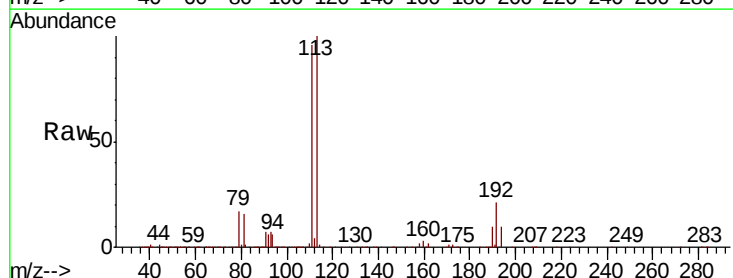
Tgt Ion:113 Resp: 283397

Ion Ratio Lower Upper

113 100

111 100.2 80.7 121.1

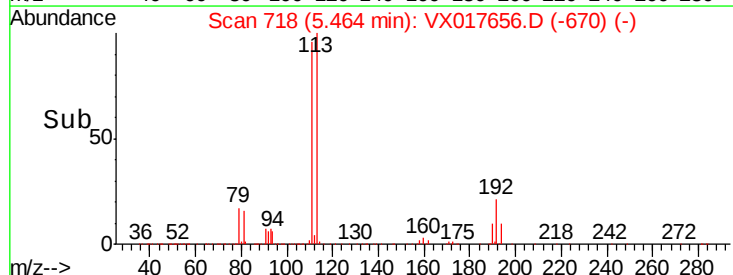
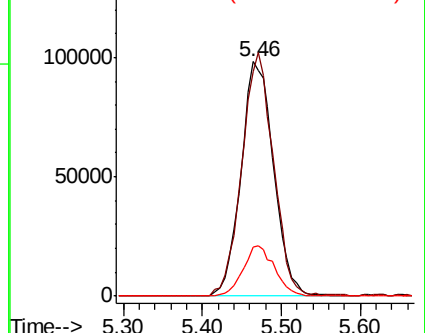
192 20.7 16.9 25.3

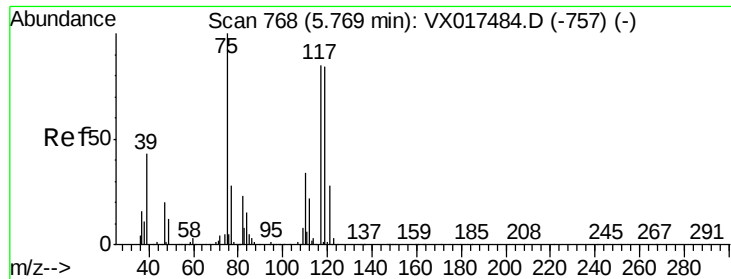


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.706 ug/l

RT: 5.64 min Scan# 746

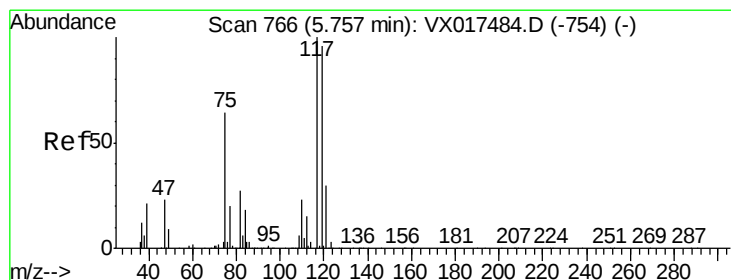
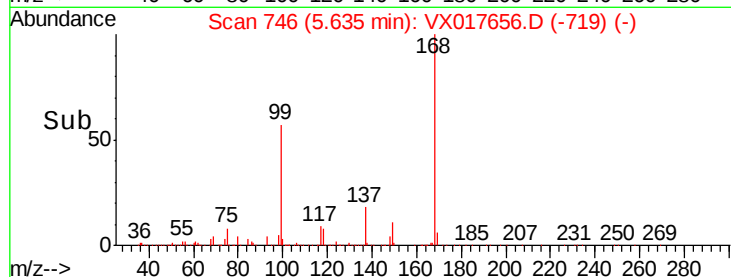
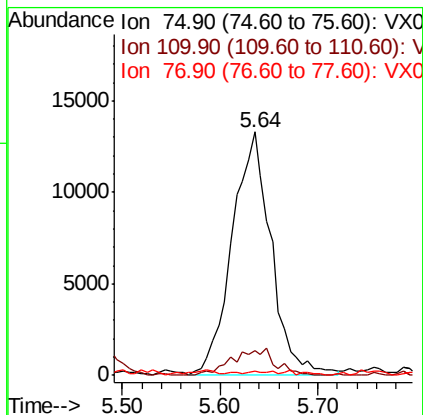
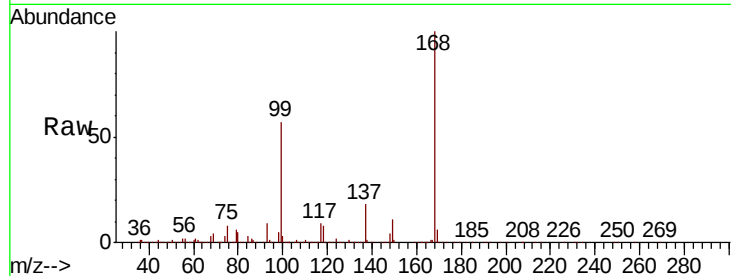
Delta R.T. -0.13 min

Lab File: VX017656.D

Acq: 28 Jul 2020 16:27

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 36854
Ion Ratio Lower Upper
75 100
110 11.9 18.1 54.3#
77 0.2 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.075 ug/l

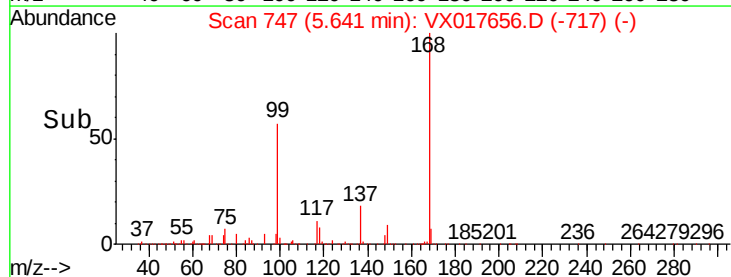
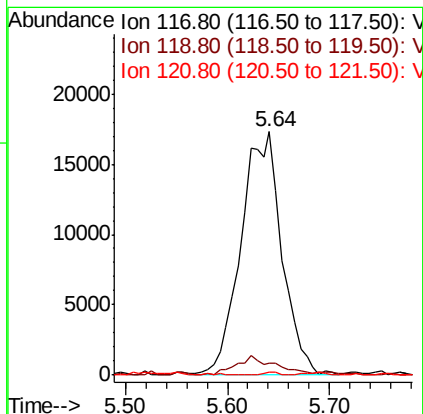
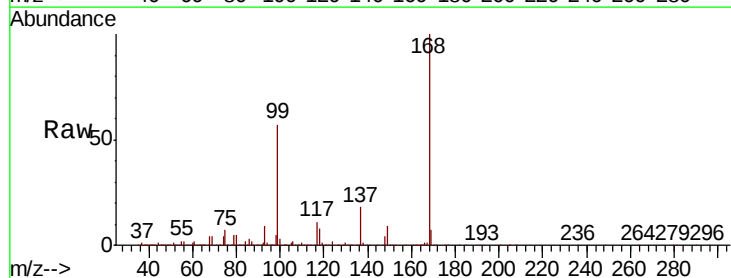
RT: 5.64 min Scan# 747

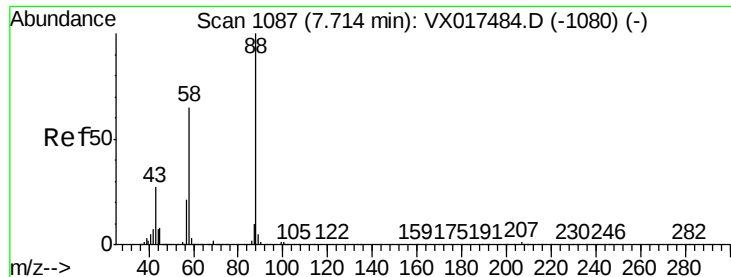
Delta R.T. -0.12 min

Lab File: VX017656.D

Acq: 28 Jul 2020 16:27

Tgt Ion: 117 Resp: 48259
Ion Ratio Lower Upper
117 100
119 4.4 75.4 113.0#
121 1.0 24.3 36.5#

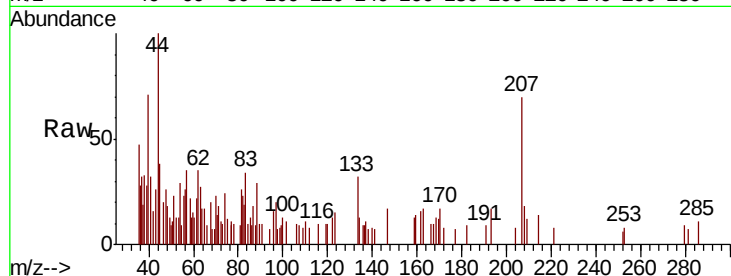




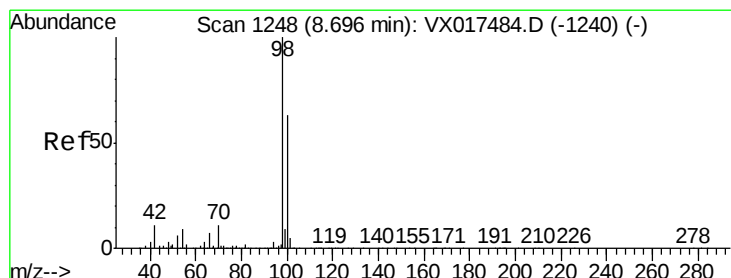
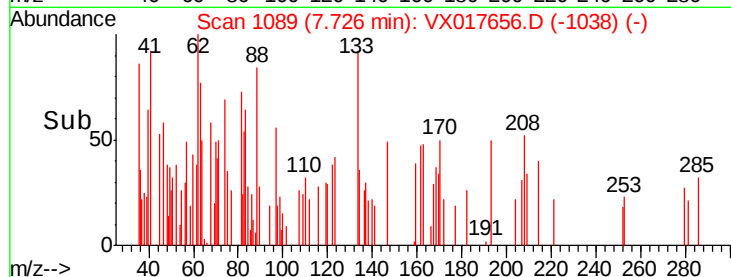
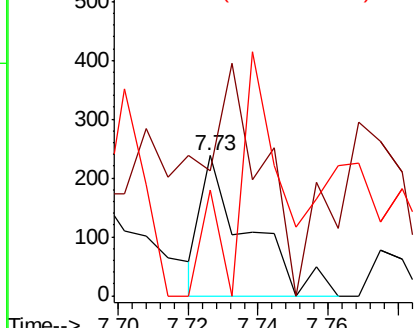
#49
1,4-Dioxane
Concen: 1.652 ug/l
RT: 7.73 min Scan# 1089
Delta R.T. 0.01 min
Lab File: VX017656.D
Acq: 28 Jul 2020 16:27

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 88 Resp: 222
Ion Ratio Lower Upper
88 100
43 138.7 27.8 41.6#
58 153.6 58.3 87.5#

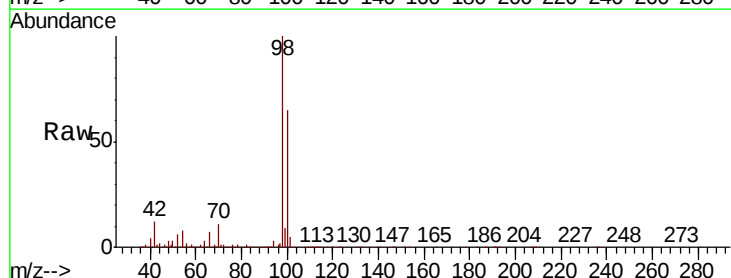


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

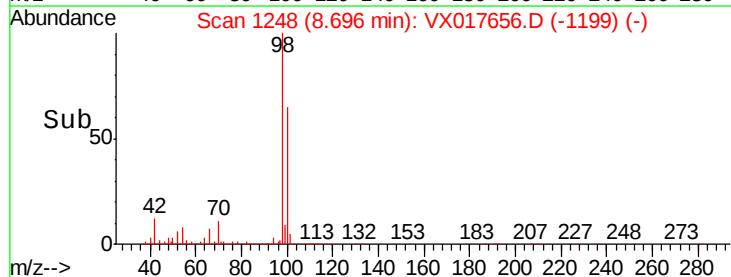
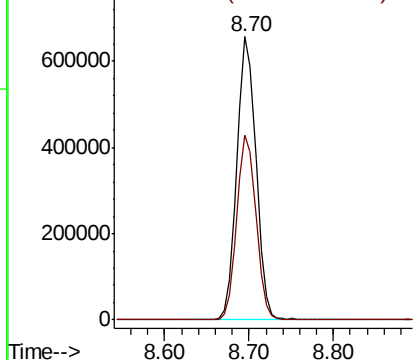


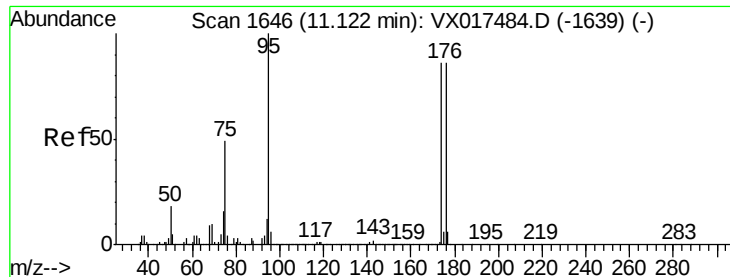
#50
Toluene-d8
Concen: 51.018 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017656.D
Acq: 28 Jul 2020 16:27

Tgt Ion: 98 Resp: 1005000
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 57.197 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017656.D

Acq: 28 Jul 2020 16:27

Instrument :

MSVOA_X

ClientSampleId :

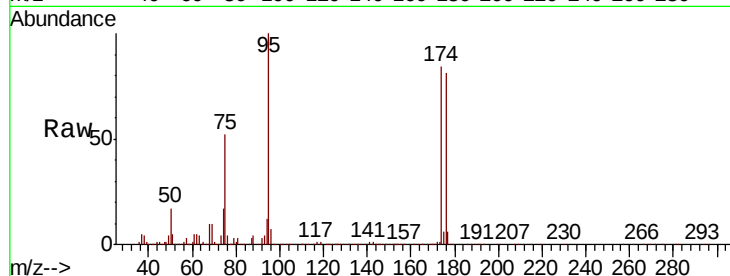
Tot Ion: 95 Resp: 450914

Ion Ratio Lower Upper

95 100

174 83.6 0.0 169.0

176 80.1 0.0 161.0

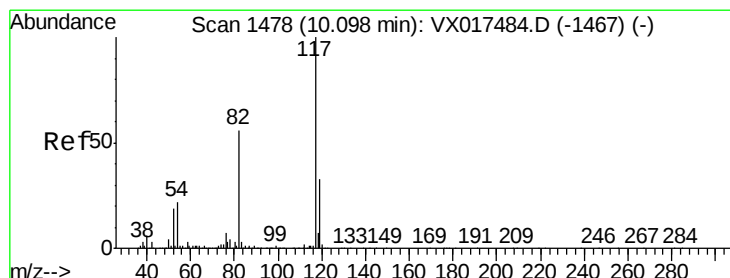
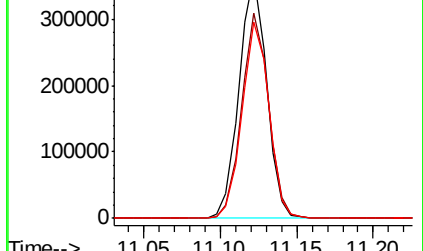
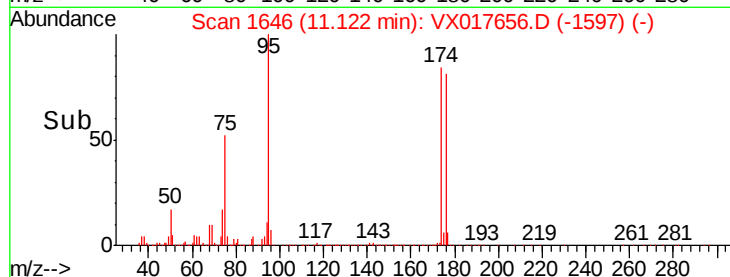


Abundance Ion 94.90 (94.60 to 95.60): VX017484.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX017484.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX017484.D (-1639) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017656.D

Acq: 28 Jul 2020 16:27

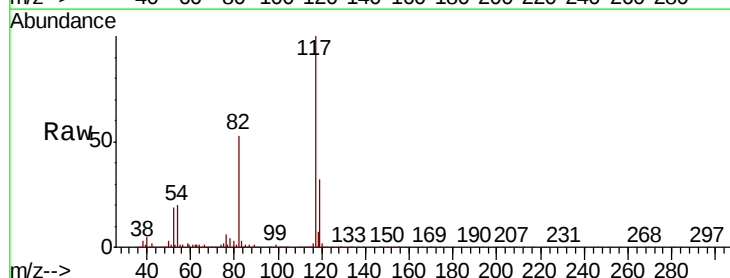
Tgt Ion: 117 Resp: 867676

Ion Ratio Lower Upper

117 100

82 53.1 44.0 66.0

119 32.0 25.4 38.0

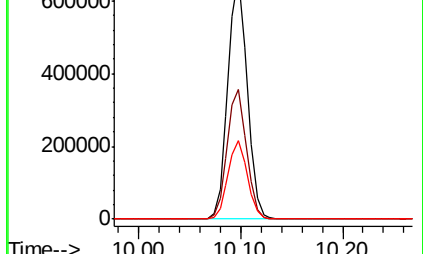
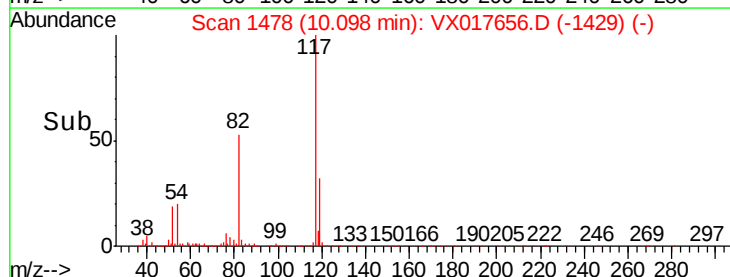


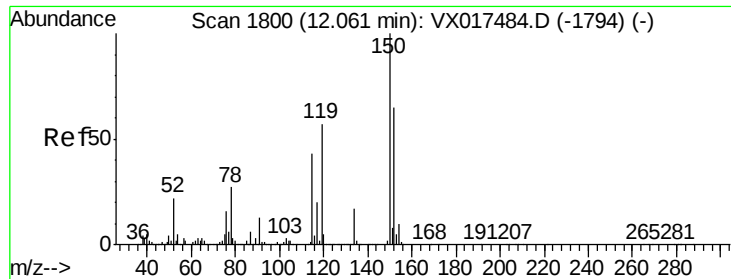
Abundance Ion 116.90 (116.60 to 117.60): VX017484.D (-1467) (-)

Ion 82.00 (81.70 to 82.70): VX017484.D (-1467) (-)

Ion 118.90 (118.60 to 119.60): VX017484.D (-1467) (-)

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017656.D

Acq: 28 Jul 2020 16:27

Instrument :

MSVOA_X

ClientSampleId :

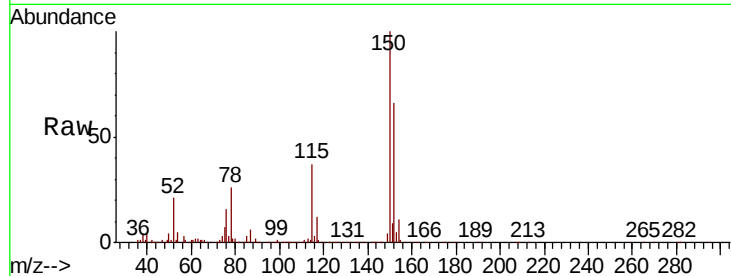
Tot Ion:152 Resp: 483450

Ion Ratio Lower Upper

152 100

115 57.6 65.5 196.6#

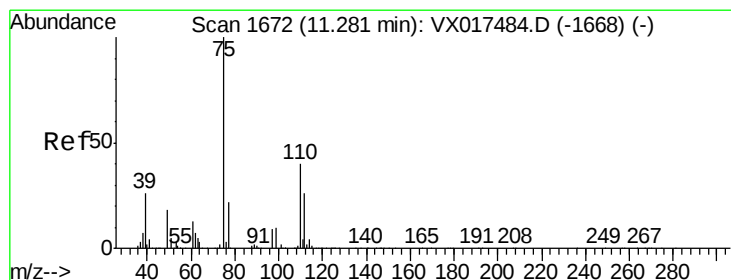
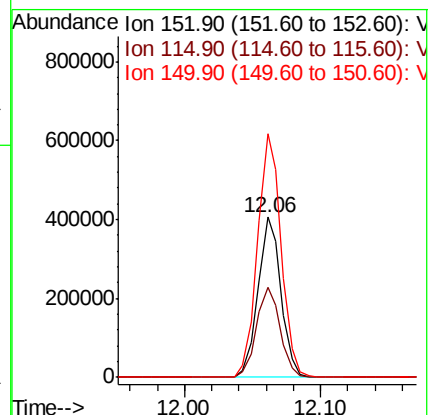
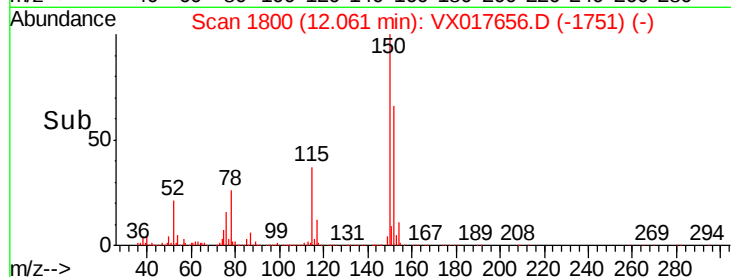
150 156.0 0.0 412.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 22.743 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017656.D

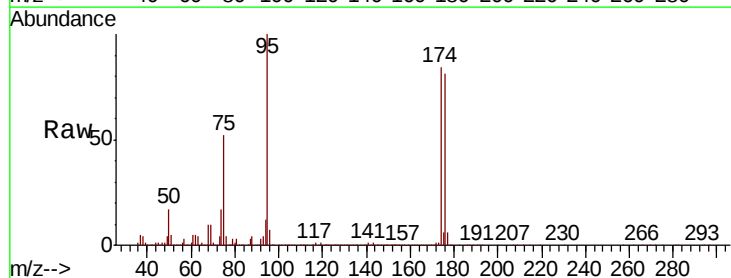
Acq: 28 Jul 2020 16:27

Tgt Ion: 75 Resp: 226172

Ion Ratio Lower Upper

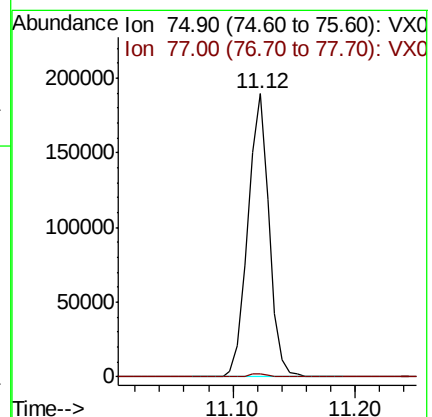
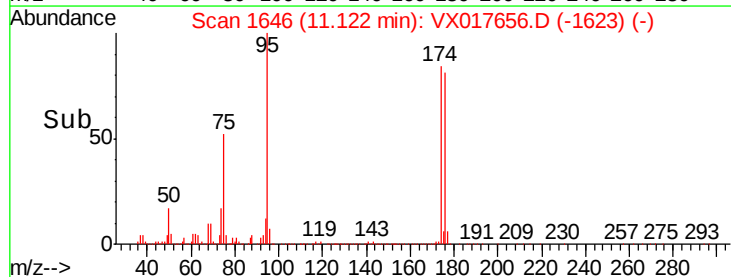
75 100

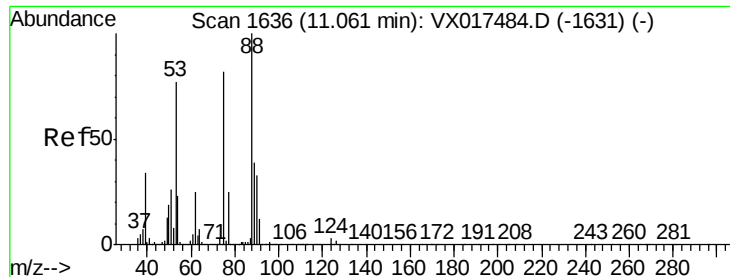
77 1.1 21.8 65.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 57.307 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017656.D

Acq: 28 Jul 2020 16:27

Instrument :

MSVOA_X

ClientSampled :

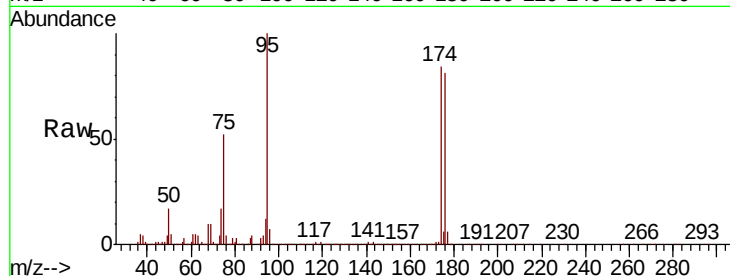
Tot Ion: 75 Resp: 226172

Ion Ratio Lower Upper

75 100

53 0.3 75.9 113.9#

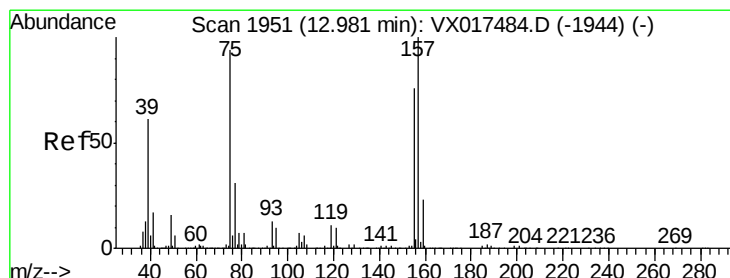
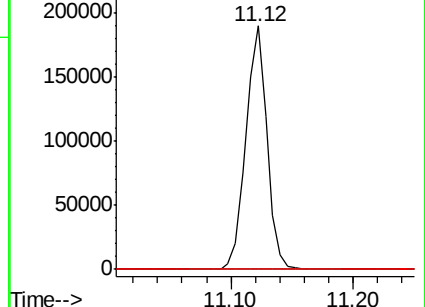
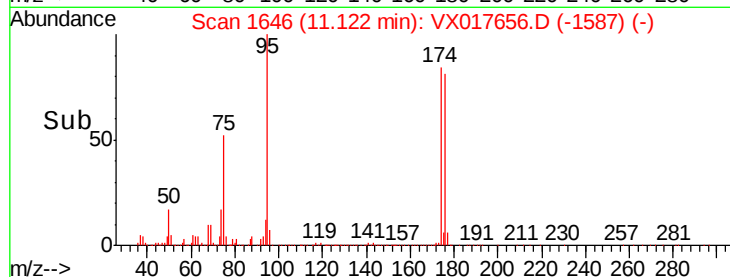
89 0.1 37.8 56.6#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.744 ug/l

RT: 12.99 min Scan# 1952

Delta R.T. 0.01 min

Lab File: VX017656.D

Acq: 28 Jul 2020 16:27

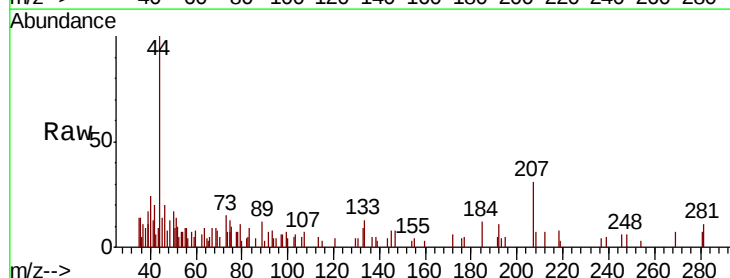
Tgt Ion: 75 Resp: 518

Ion Ratio Lower Upper

75 100

155 0.0 42.3 126.8#

157 9.8 54.3 162.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

