

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072820\
 Data File : VX017661.D
 Acq On : 28 Jul 2020 18:21
 Operator : JC/SP
 Sample : L3457-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 29 02:30:07 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	481190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	813818	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	856659	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	471125	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	337226	54.56	ug/l	0.00
Spiked Amount			Recovery	=	109.12%	
35) Dibromofluoromethane	5.47	113	280076	51.46	ug/l	0.00
Spiked Amount			Recovery	=	102.92%	
50) Toluene-d8	8.70	98	1016351	51.76	ug/l	0.00
Spiked Amount			Recovery	=	103.52%	
62) 4-Bromofluorobenzene	11.12	95	448072	57.02	ug/l	0.00
Spiked Amount			Recovery	=	114.04%	

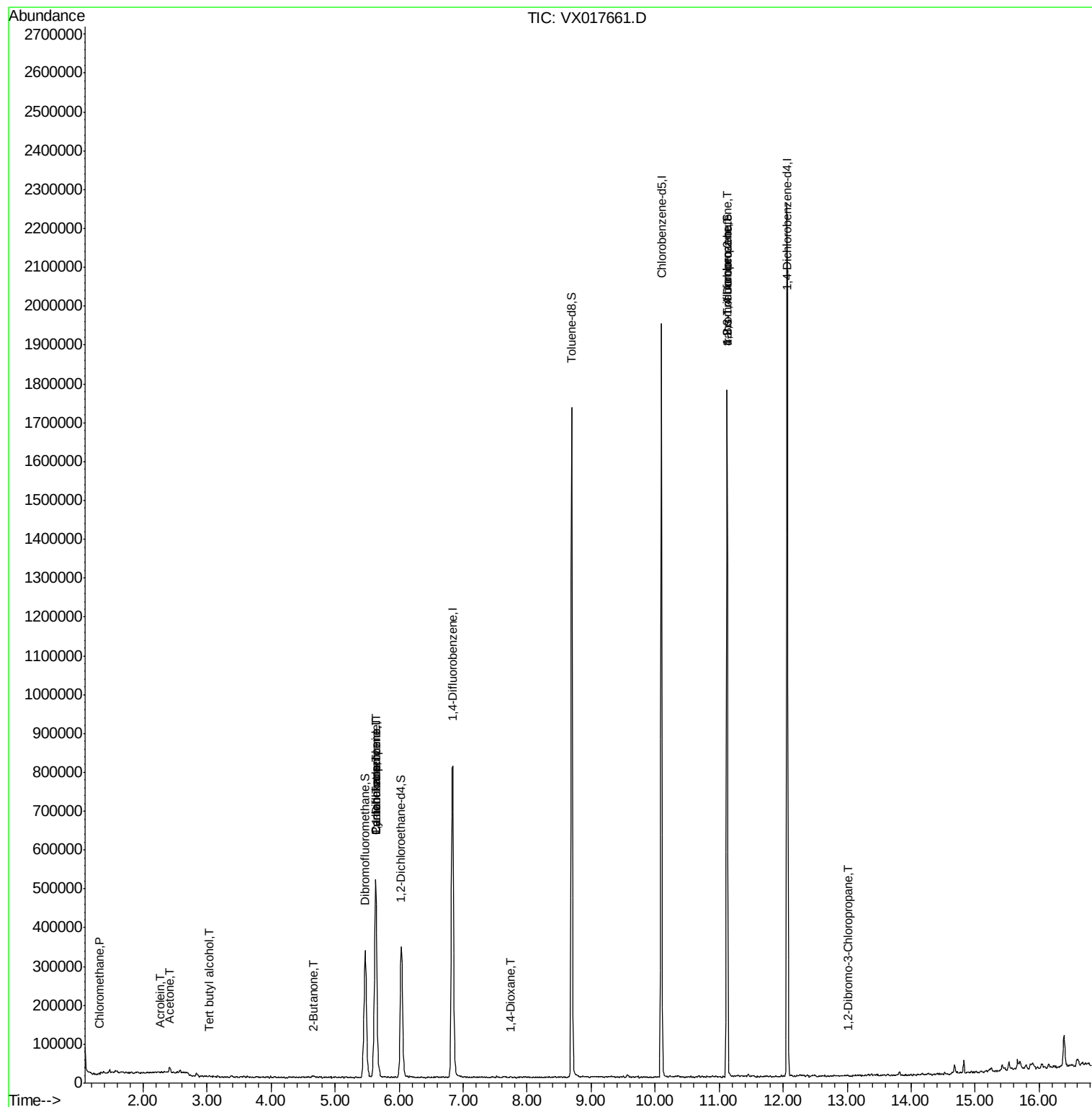
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	322	Below Cal	#	1
3) Chloromethane	1.32	50	1499	0.617	ug/l #	80
5) Bromomethane	1.64	94	494	Below Cal	#	30
6) Chloroethane	1.70	64	312	Below Cal		95
8) Diethyl Ether	2.19	74	229	Below Cal		85
11) Tert butyl alcohol	3.03	59	1672	1.283	ug/l #	53
13) Acrolein	2.27	56	1254	5.388	ug/l #	41
16) Acetone	2.42	43	15220	5.595	ug/l #	85
20) Methylene Chloride	2.84	84	3329	Below Cal	#	82
25) 2-Butanone	4.66	43	5488	1.420	ug/l	92
31) Cyclohexane	5.63	56	10452	1.371	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	35966	4.608	ug/l #	52
38) Carbon Tetrachloride	5.63	117	48414	5.108	ug/l #	17
49) 1,4-Dioxane	7.74	88	156	1.165	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	226411	23.362	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	226411	58.868	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	13.01	75	86	2.605	ug/l	78

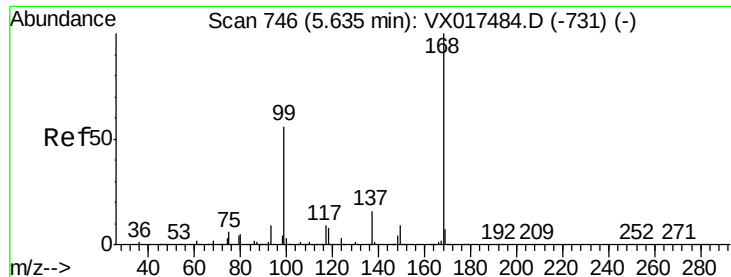
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 24 05:48:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017661.D

Acq: 28 Jul 2020 18:21

Instrument :

MSVOA_X

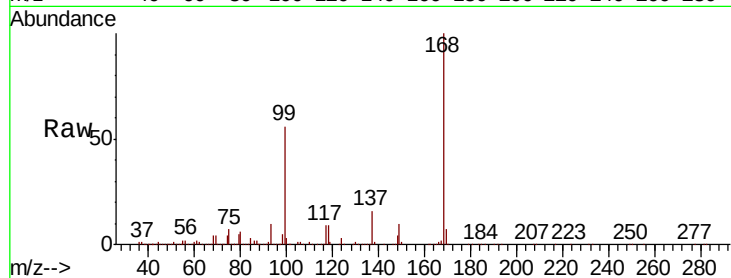
ClientSampleId :

Tot Ion:168 Resp: 481190

Ion Ratio Lower Upper

168 100

99 56.2 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

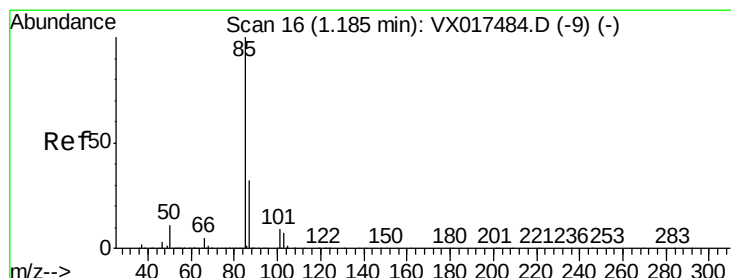
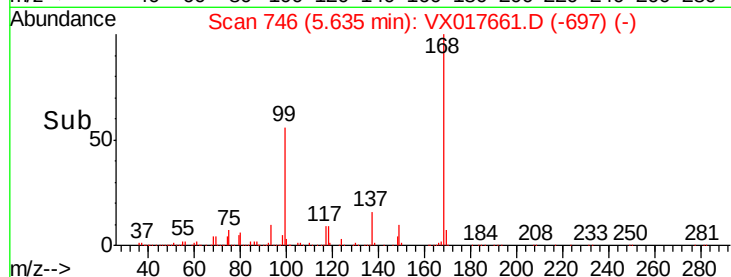
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.19 min Scan# 17

Delta R.T. 0.01 min

Lab File: VX017661.D

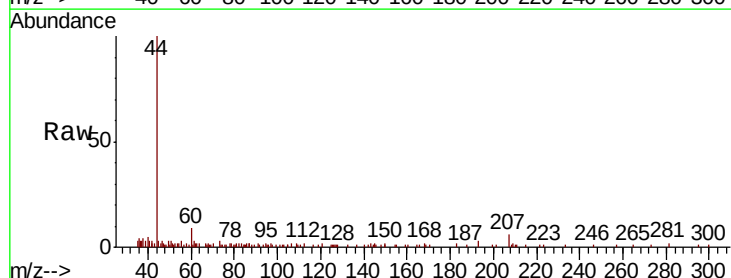
Acq: 28 Jul 2020 18:21

Tgt Ion: 85 Resp: 322

Ion Ratio Lower Upper

85 100

87 177.9 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

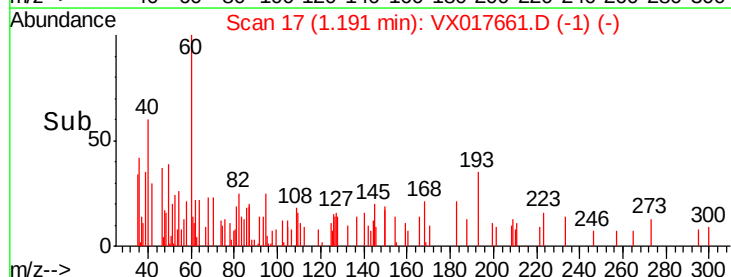
300

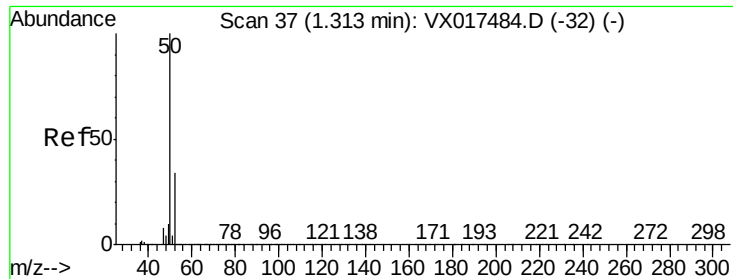
200

100

0

Time-->





#3

Chloromethane

Concen: 0.617 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017661.D

Acq: 28 Jul 2020 18:21

Instrument :

MSVOA_X

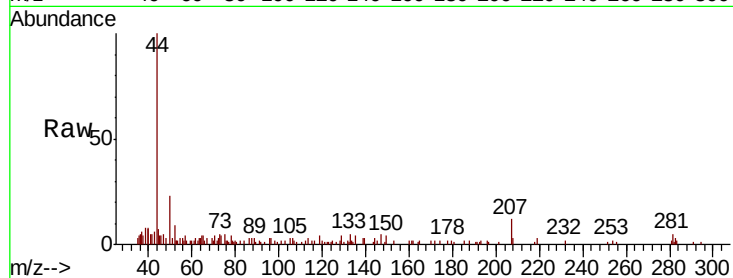
ClientSampleId :

Tot Ion: 50 Resp: 1499

Ion Ratio Lower Upper

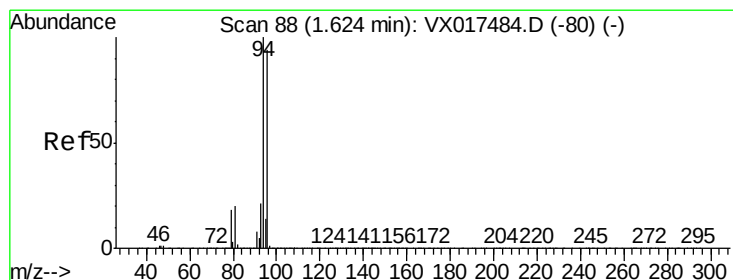
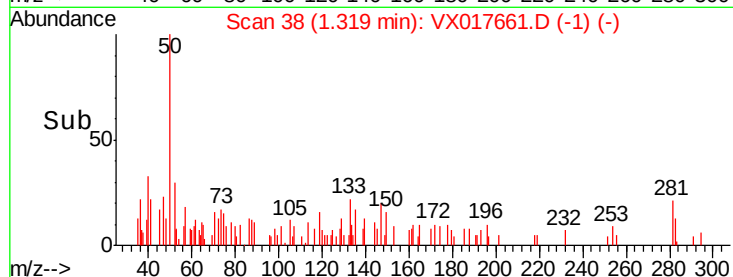
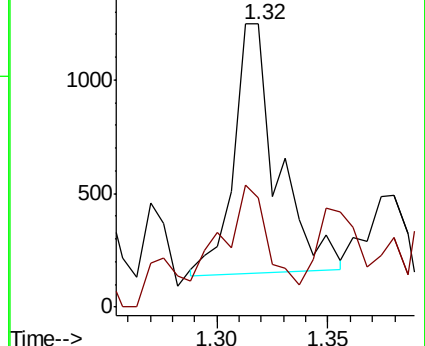
50 100

52 43.4 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: VX017661.D

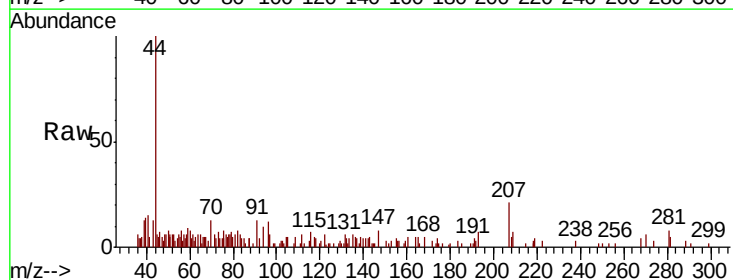
Acq: 28 Jul 2020 18:21

Tgt Ion: 94 Resp: 494

Ion Ratio Lower Upper

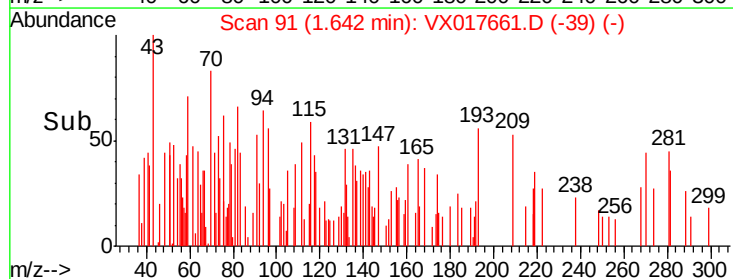
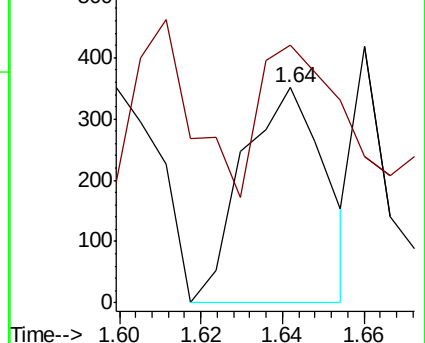
94 100

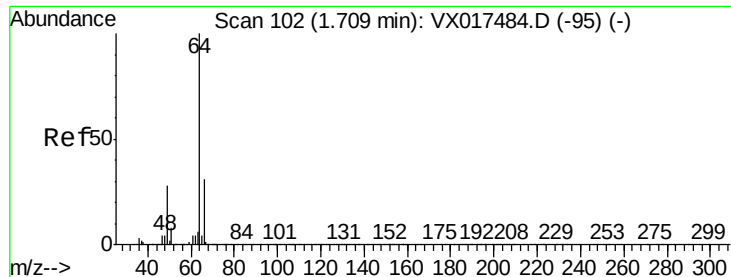
96 25.4 74.1 111.1#



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: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX017661.D

Acq: 28 Jul 2020 18:21

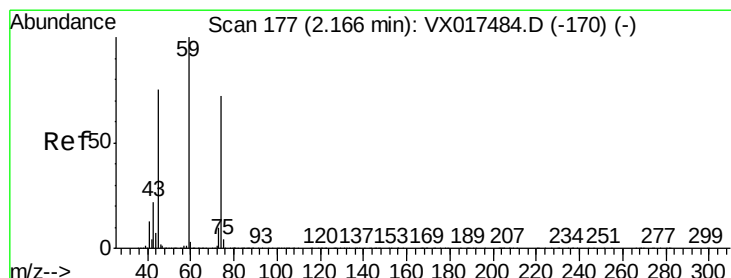
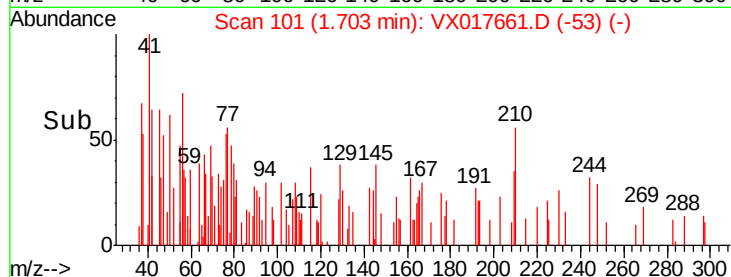
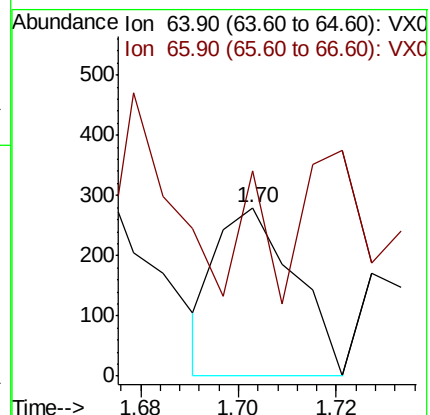
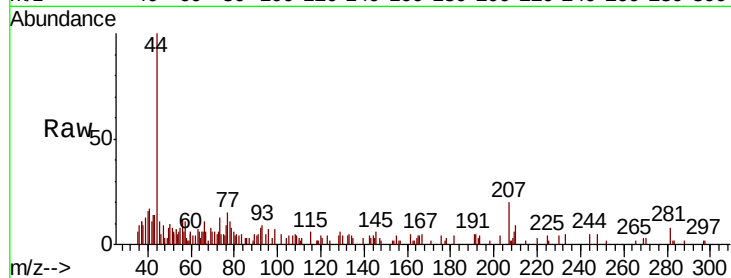
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 64 Resp: 312

Ion Ratio Lower Upper

64 100

66 33.9 24.9 37.3



#8

Diethyl Ether

Concen: Below Cal

RT: 2.19 min Scan# 181

Delta R.T. 0.02 min

Lab File: VX017661.D

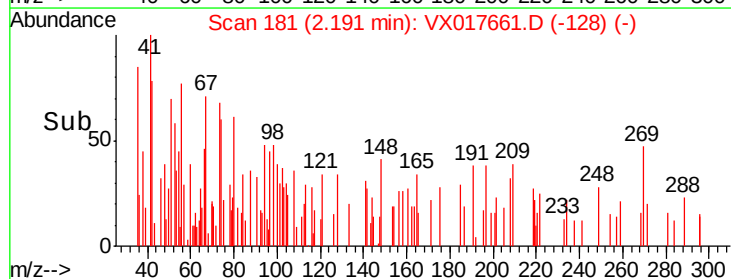
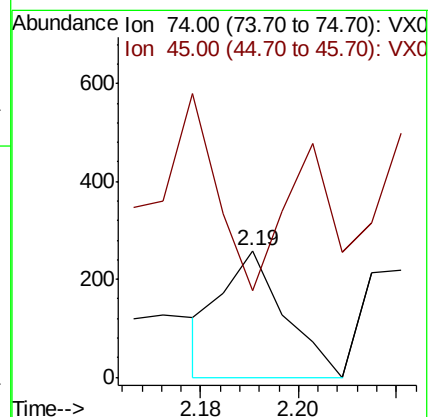
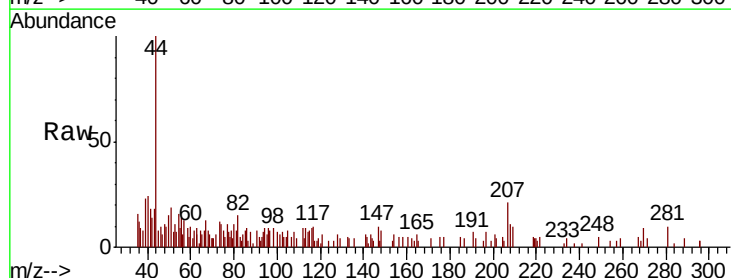
Acq: 28 Jul 2020 18:21

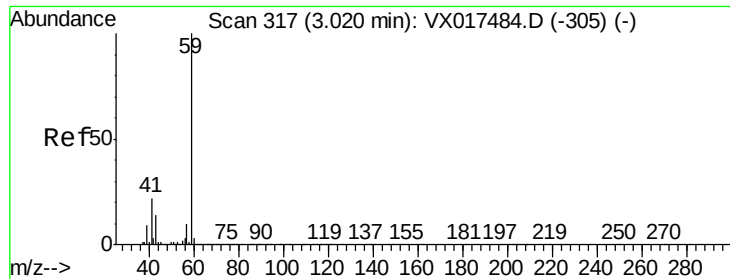
Tgt Ion: 74 Resp: 229

Ion Ratio Lower Upper

74 100

45 86.9 50.8 152.5

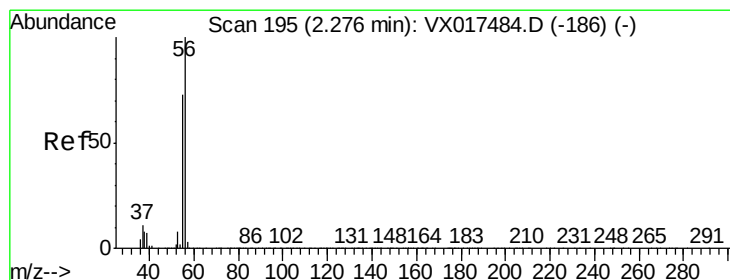
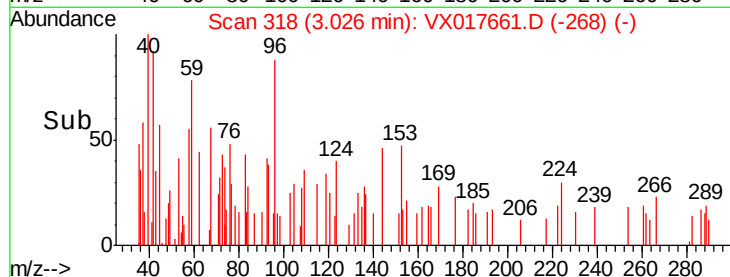
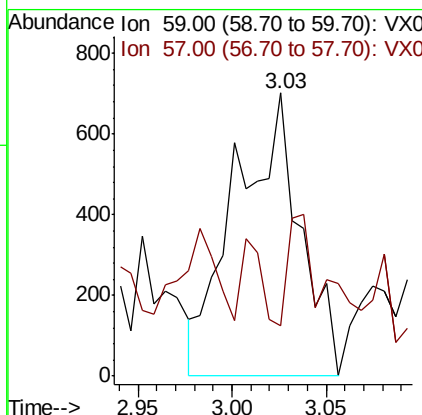
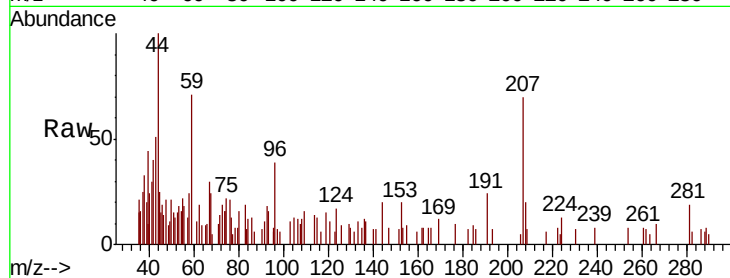




#11
Tert butyl alcohol
Concen: 1.283 ug/l
RT: 3.03 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX017661.D
Acq: 28 Jul 2020 18:21

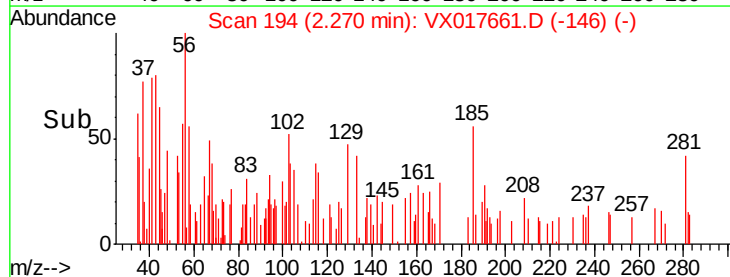
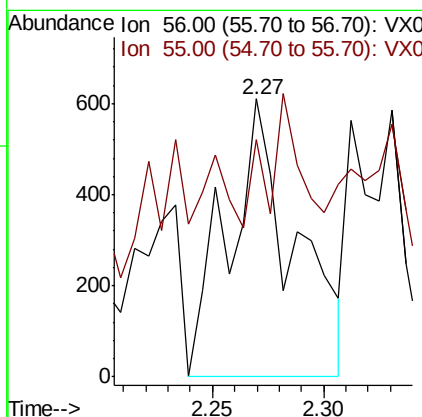
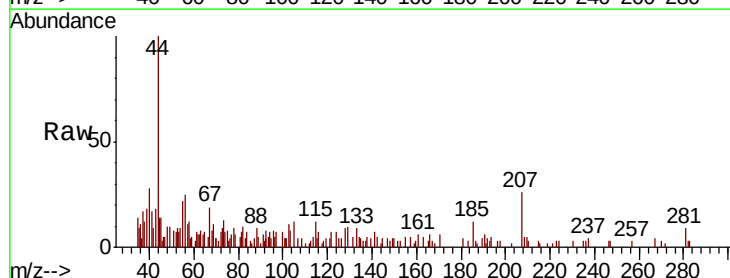
Instrument :
MSVOA_X
ClientSampled :

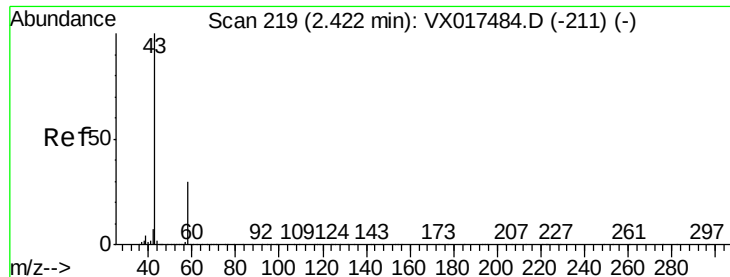
Tot Ion: 59 Resp: 1672
Ion Ratio Lower Upper
59 100
57 28.6 8.6 12.8#



#13
Acrolein
Concen: 5.388 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.01 min
Lab File: VX017661.D
Acq: 28 Jul 2020 18:21

Tgt Ion: 56 Resp: 1254
Ion Ratio Lower Upper
56 100
55 22.8 57.4 86.2#

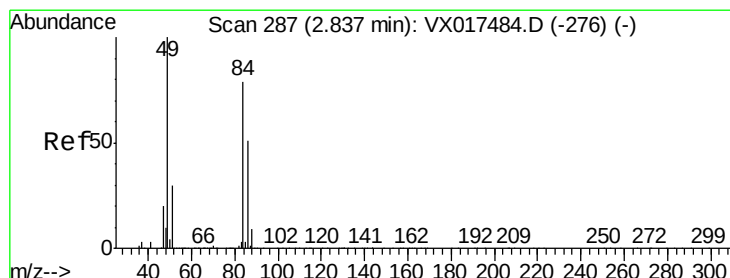
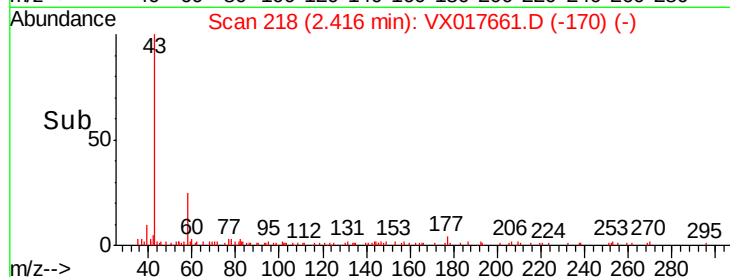
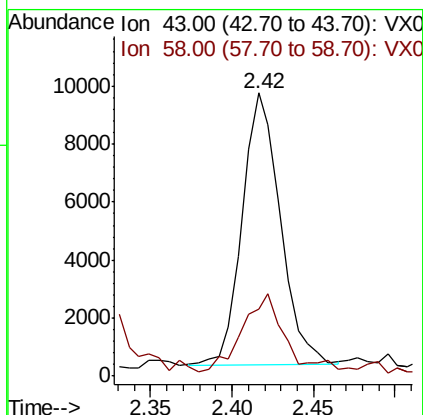
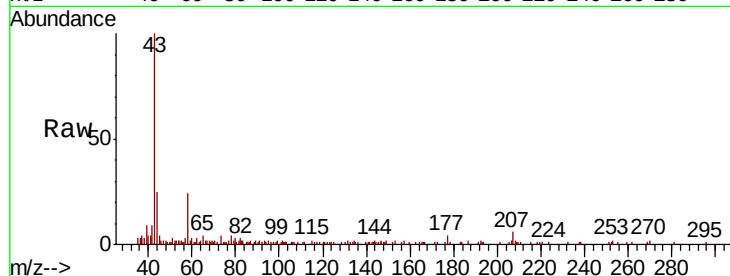




#16
Acetone
Concen: 5.595 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX017661.D
Acq: 28 Jul 2020 18:21

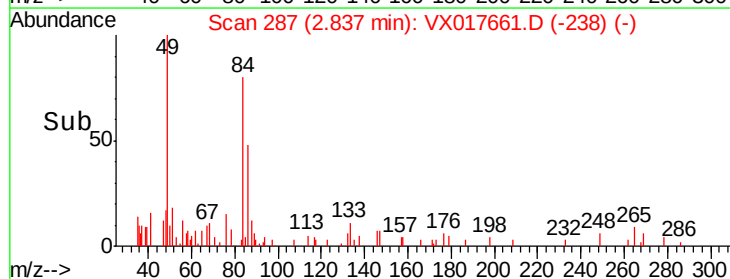
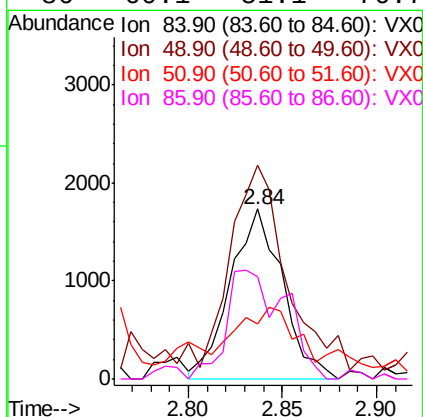
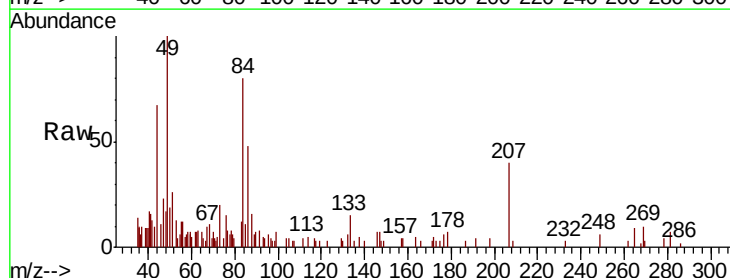
Instrument :
MSVOA_X
ClientSampleId :

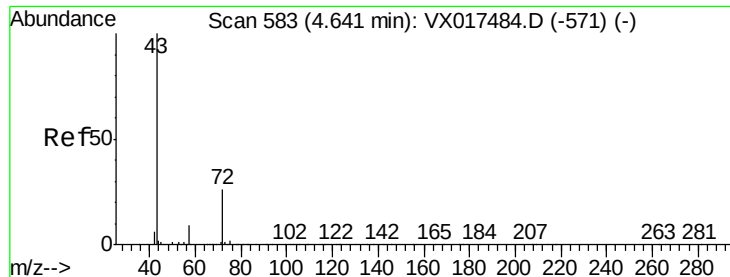
Tot Ion: 43 Resp: 15220
Ion Ratio Lower Upper
43 100
58 22.1 24.2 36.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017661.D
Acq: 28 Jul 2020 18:21

Tgt Ion: 84 Resp: 3329
Ion Ratio Lower Upper
84 100
49 104.3 100.3 150.5
51 15.0 30.5 45.7#
86 60.1 51.1 76.7

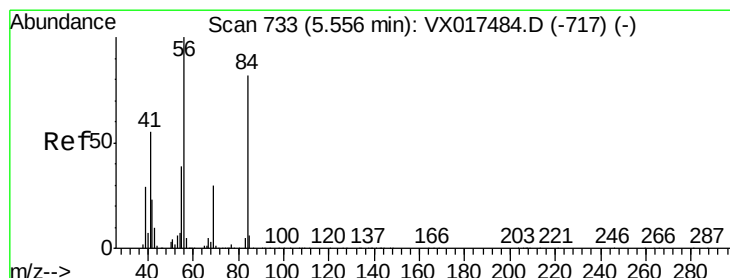
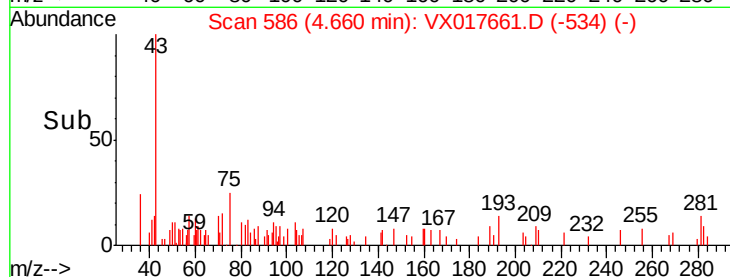
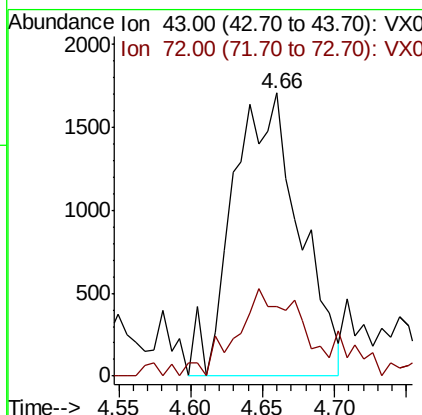
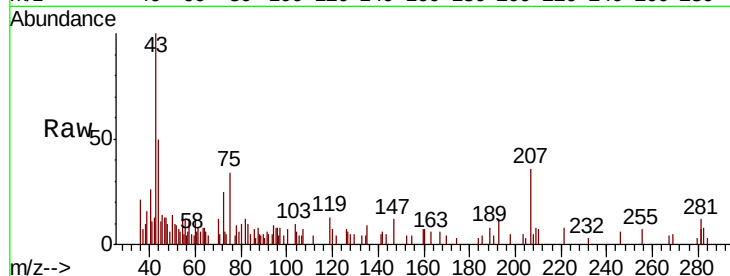




#25
2-Butanone
Concen: 1.420 ug/l
RT: 4.66 min Scan# 586
Delta R.T. 0.02 min
Lab File: VX017661.D
Acq: 28 Jul 2020 18:21

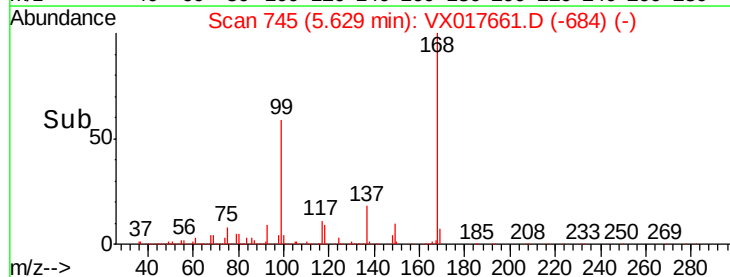
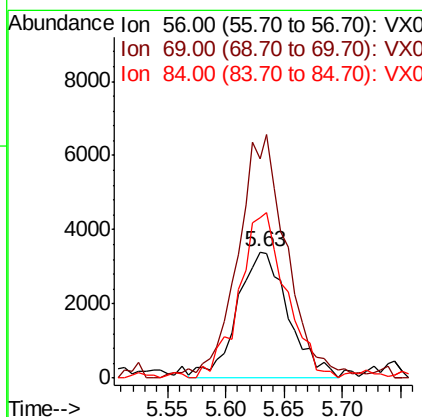
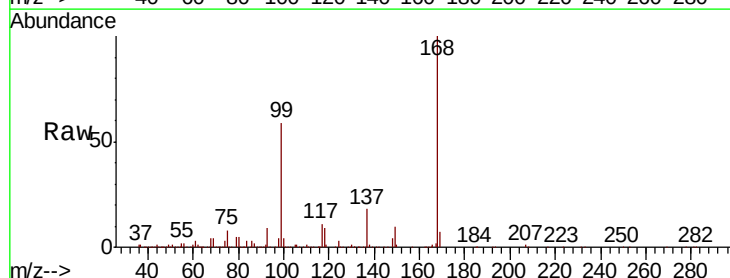
Instrument :
MSVOA_X
ClientSampleId :

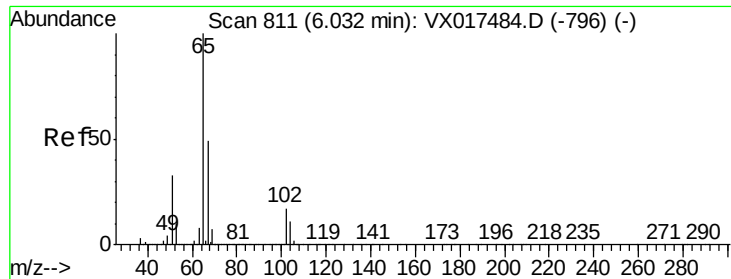
Tot Ion: 43 Resp: 5488
Ion Ratio Lower Upper
43 100
72 19.8 19.0 28.4



#31
Cyclohexane
Concen: 1.371 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.07 min
Lab File: VX017661.D
Acq: 28 Jul 2020 18:21

Tgt Ion: 56 Resp: 10452
Ion Ratio Lower Upper
56 100
69 171.2 24.2 36.4#
84 129.2 69.0 103.6#





#33

1,2-Dichloroethane-d4

Concen: 54.558 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017661.D

Acq: 28 Jul 2020 18:21

Instrument :

MSVOA_X

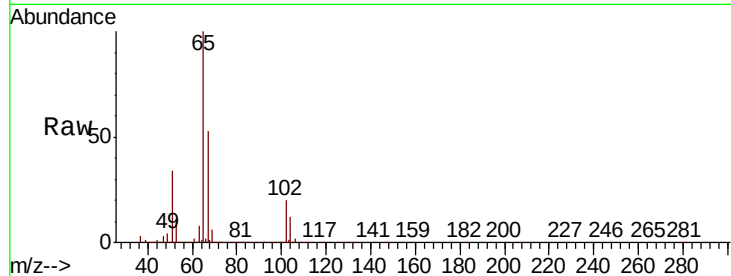
ClientSampleId :

Tot Ion: 65 Resp: 337226

Ion Ratio Lower Upper

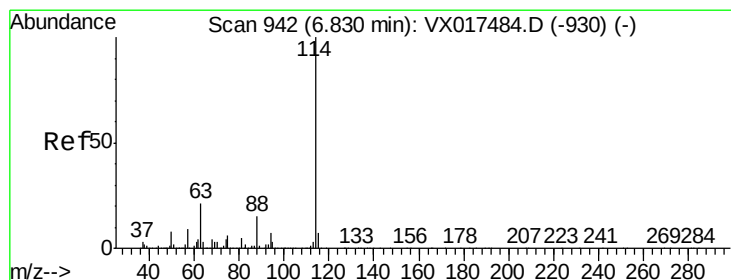
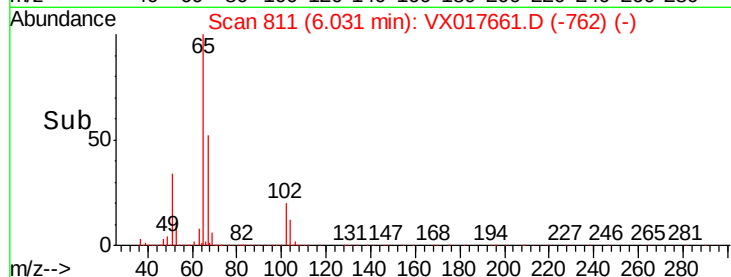
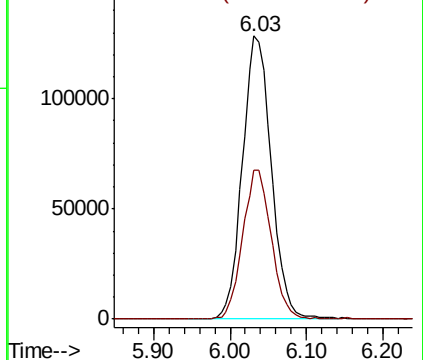
65 100

67 52.2 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017661.D

Acq: 28 Jul 2020 18:21

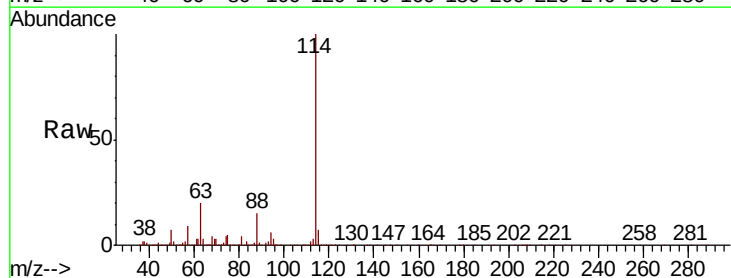
Tgt Ion: 114 Resp: 813818

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.6

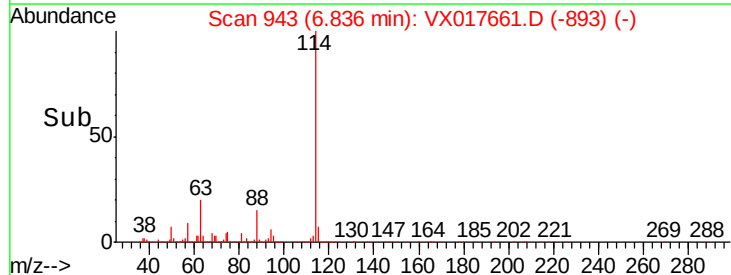
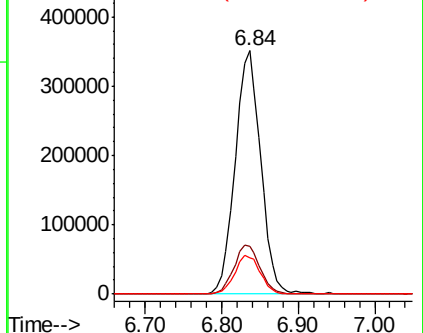
88 14.9 0.0 33.4

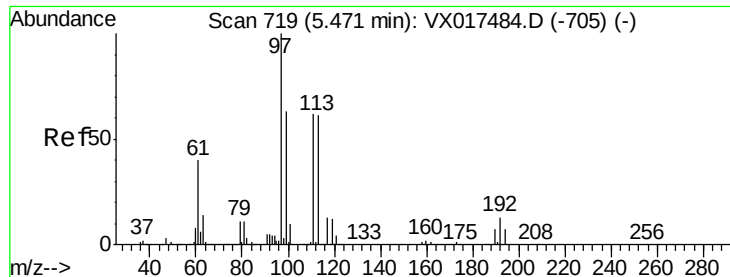


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

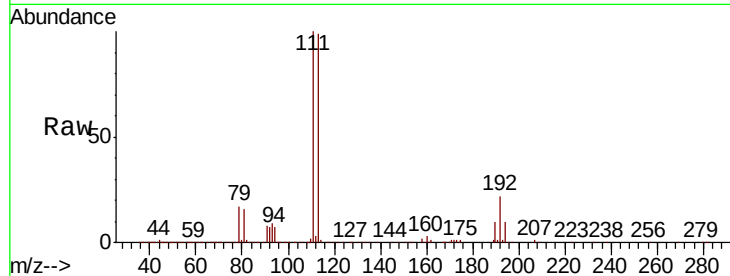




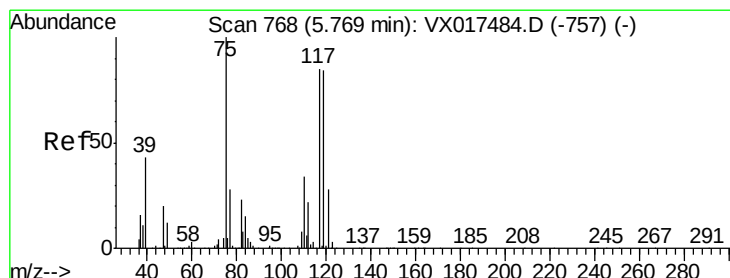
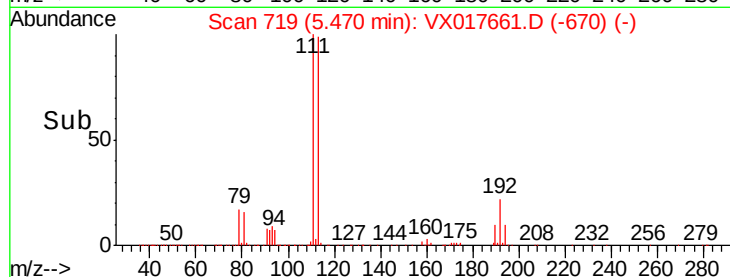
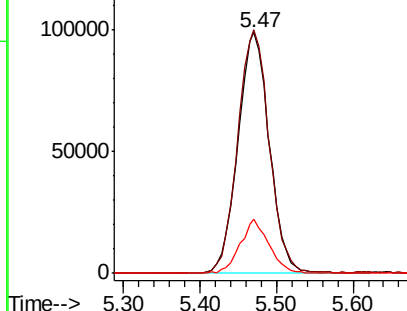
#35
 Dibromofluoromethane
 Concen: 51.458 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX017661.D
 Acq: 28 Jul 2020 18:21

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	80.7	121.1
192	20.7	16.9	25.3

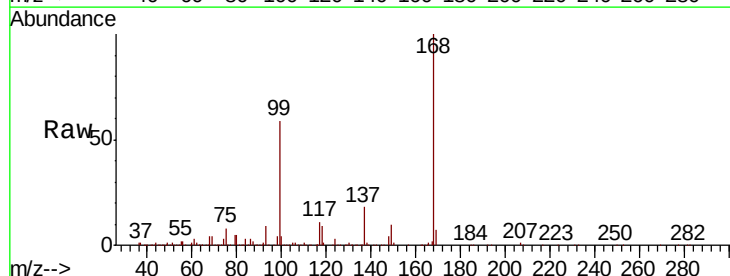


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

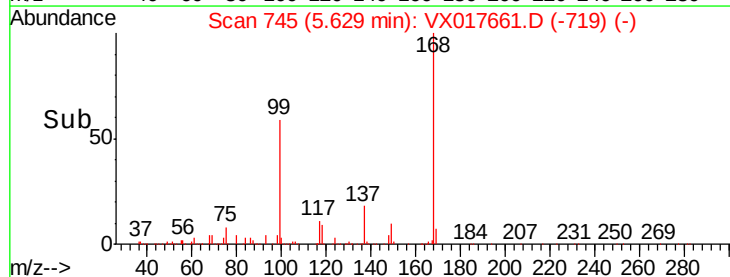
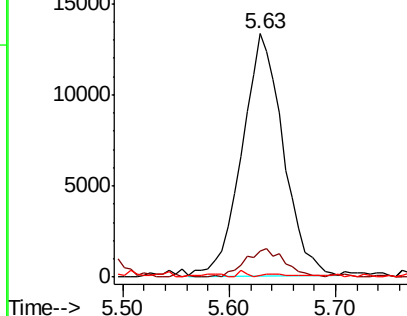


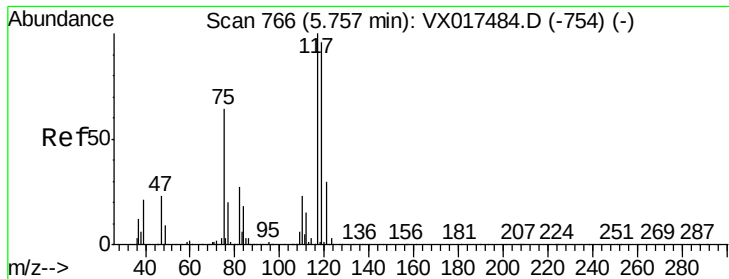
#36
 1,1-Dichloropropene
 Concen: 4.608 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017661.D
 Acq: 28 Jul 2020 18:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.4	18.1	54.3#
77	0.9	24.6	37.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.108 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX017661.D

Acq: 28 Jul 2020 18:21

Instrument :

MSVOA_X

ClientSampleId :

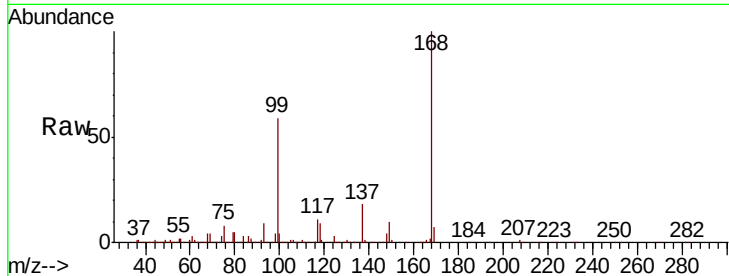
Tot Ion:117 Resp: 48414

Ion Ratio Lower Upper

117 100

119 5.0 75.4 113.0#

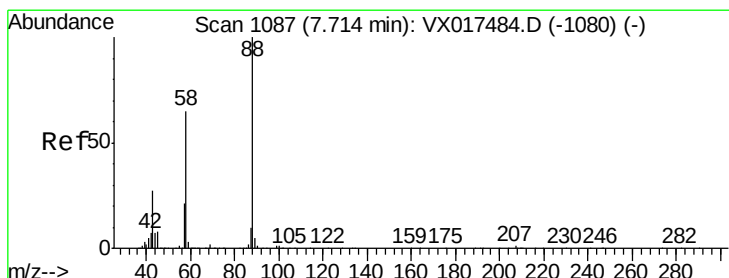
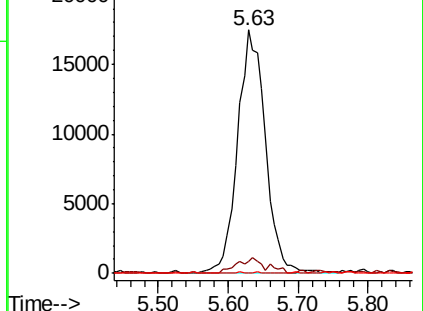
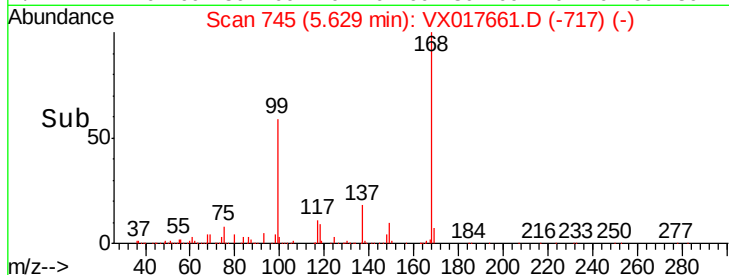
121 0.0 24.3 36.5#



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: 1.165 ug/l

RT: 7.74 min Scan# 1091

Delta R.T. 0.02 min

Lab File: VX017661.D

Acq: 28 Jul 2020 18:21

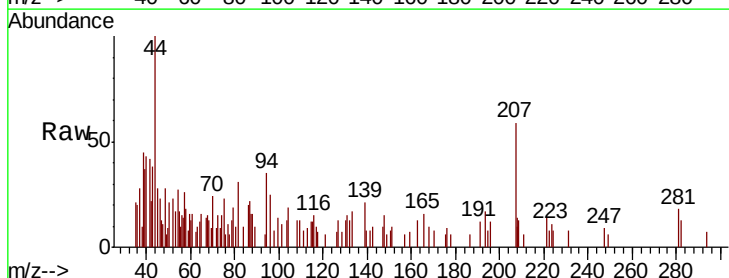
Tgt Ion: 88 Resp: 156

Ion Ratio Lower Upper

88 100

43 0.0 27.8 41.6#

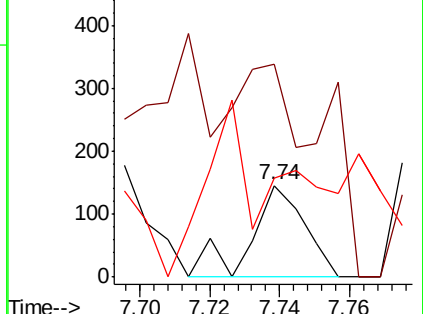
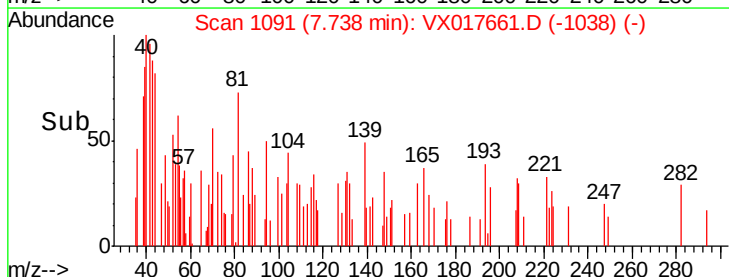
58 179.5 58.3 87.5#

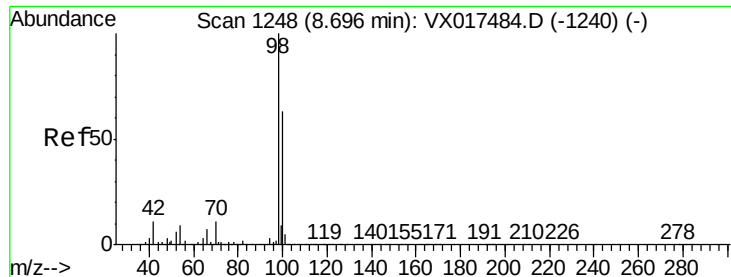


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.762 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017661.D

Acq: 28 Jul 2020 18:21

Instrument :

MSVOA_X

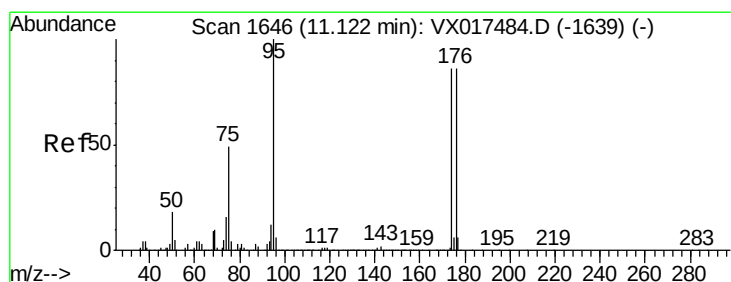
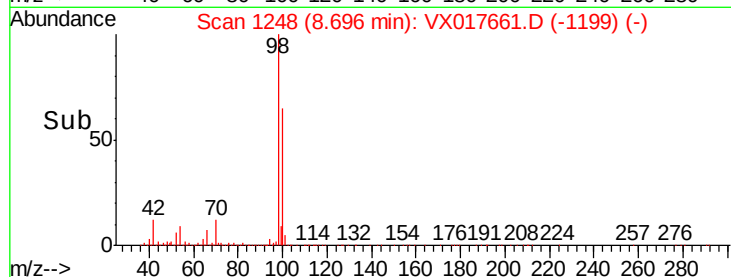
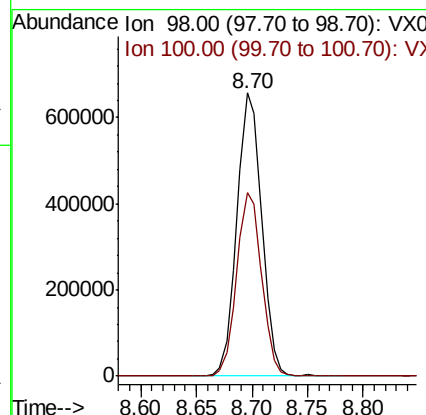
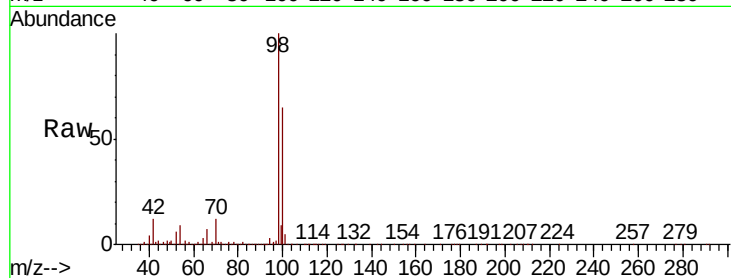
ClientSampleId :

Tot Ion: 98 Resp: 1016351

Ion Ratio Lower Upper

98 100

100 65.1 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 57.021 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017661.D

Acq: 28 Jul 2020 18:21

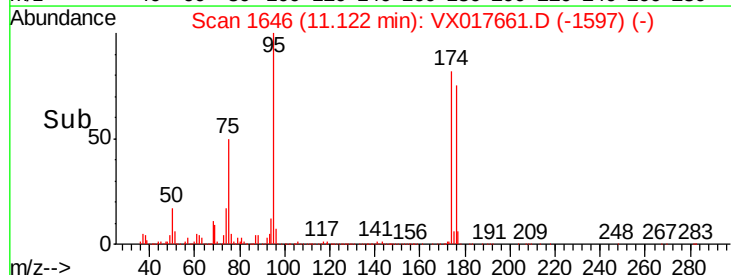
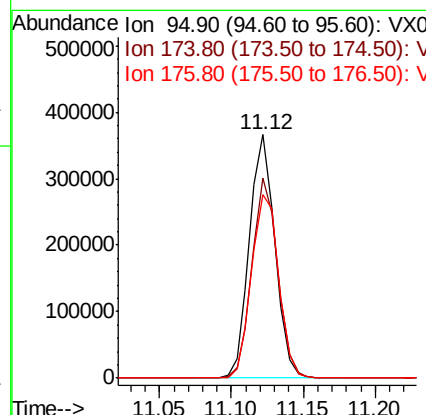
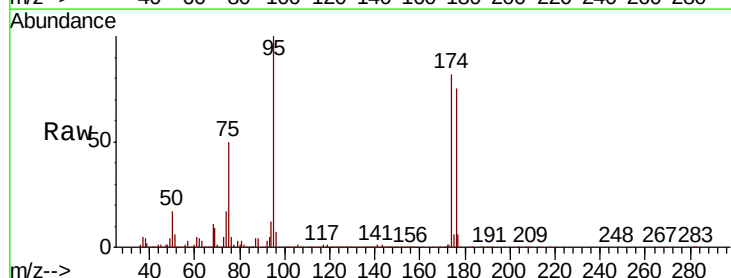
Tgt Ion: 95 Resp: 448072

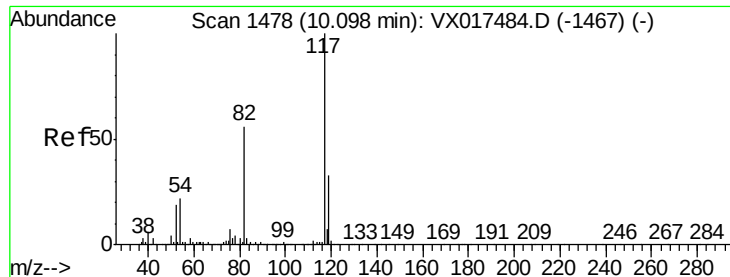
Ion Ratio Lower Upper

95 100

174 82.4 0.0 169.0

176 80.0 0.0 161.0

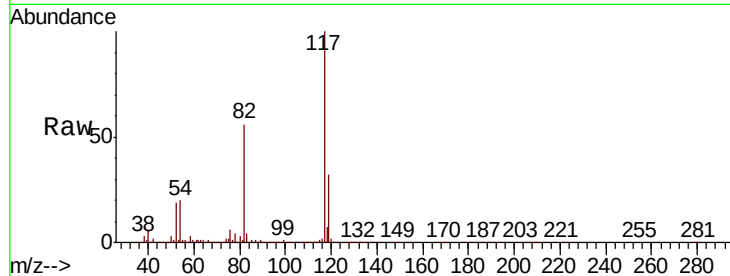




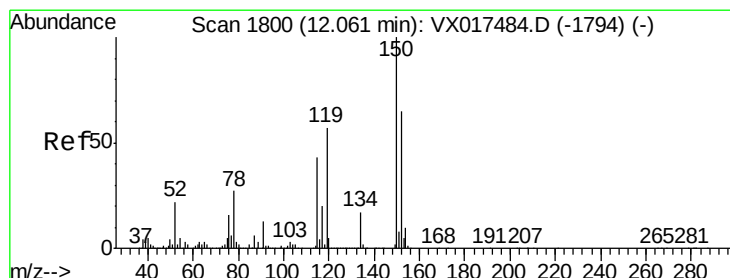
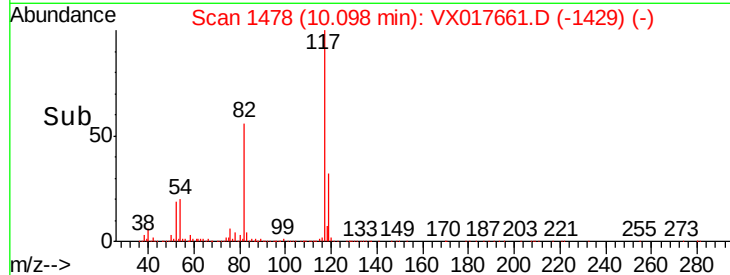
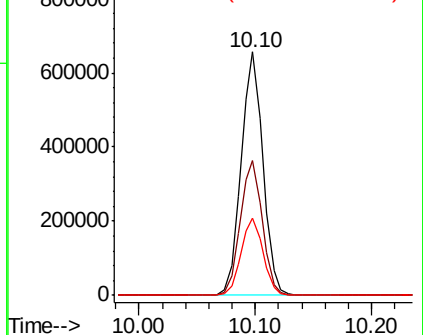
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017661.D
Acq: 28 Jul 2020 18:21

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 856659
Ion Ratio Lower Upper
117 100
82 55.5 44.0 66.0
119 31.7 25.4 38.0

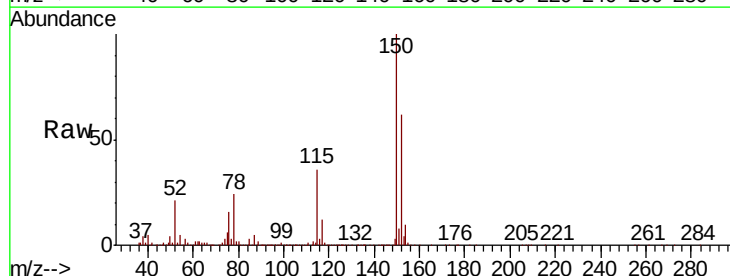


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

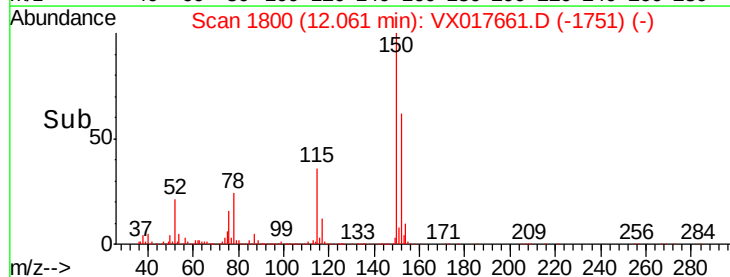
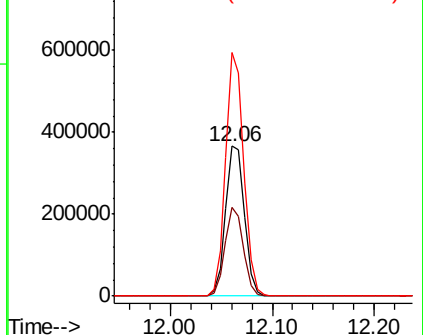


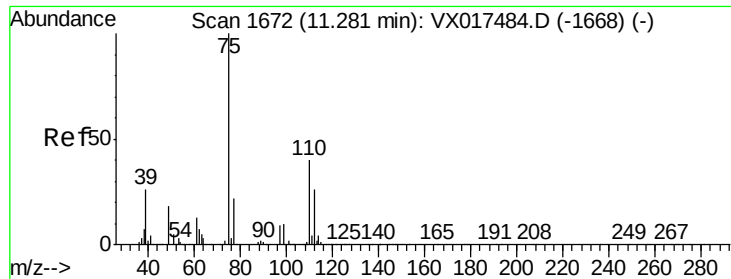
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017661.D
Acq: 28 Jul 2020 18:21

Tgt Ion:152 Resp: 471125
Ion Ratio Lower Upper
152 100
115 57.1 65.5 196.6#
150 155.2 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

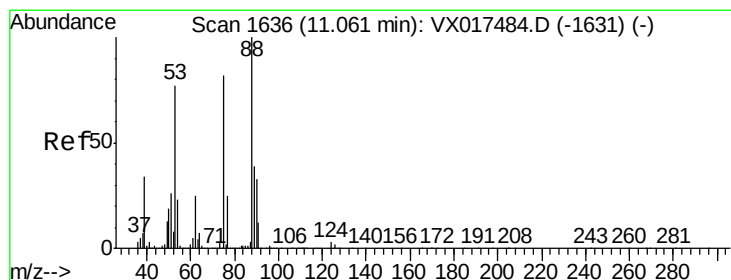
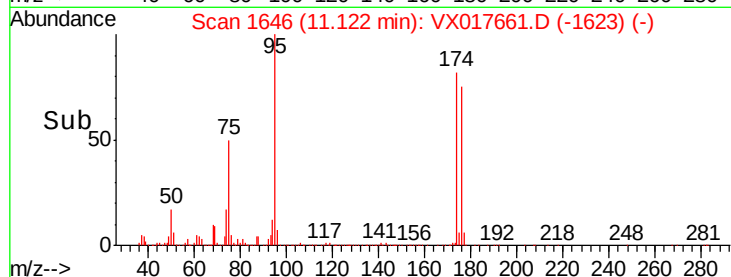
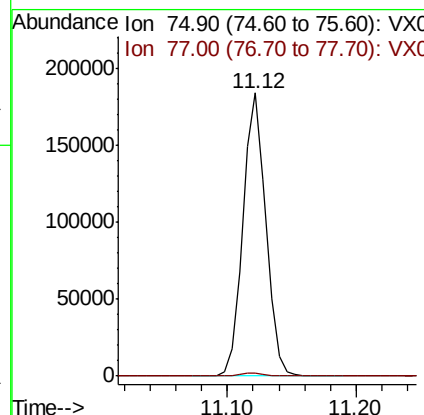
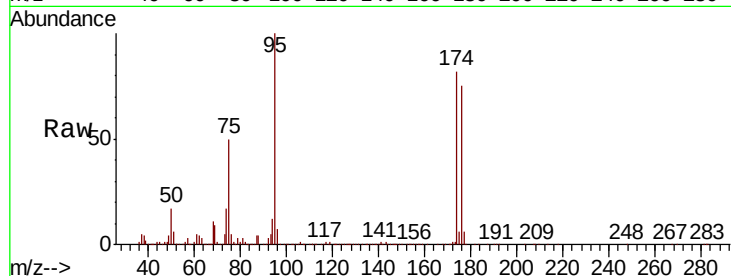




#76
 1,2,3-Trichloropropane
 Concen: 23.362 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX017661.D
 Acq: 28 Jul 2020 18:21

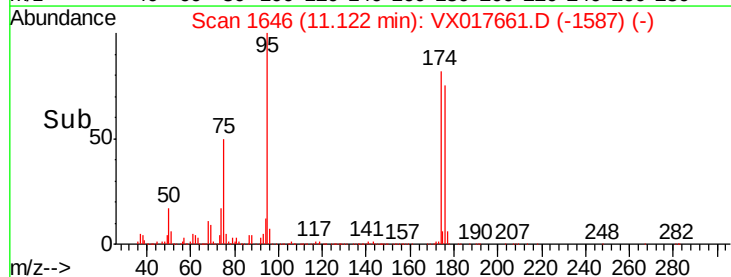
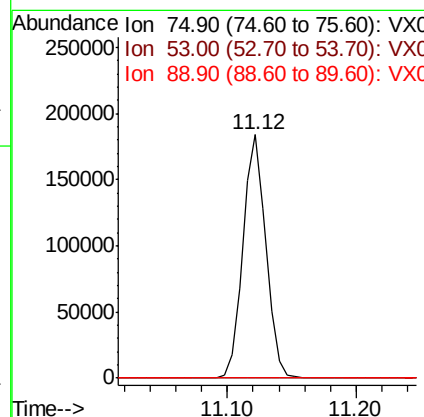
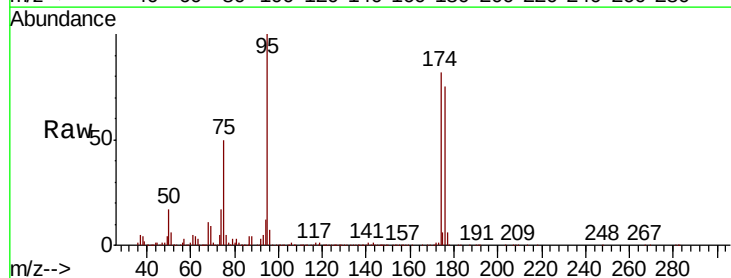
Instrument :
 MSVOA_X
 ClientSampled :

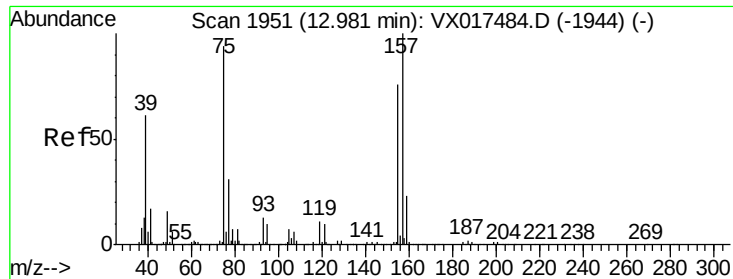
Tot Ion: 75 Resp: 226411
 Ion Ratio Lower Upper
 75 100
 77 1.0 21.8 65.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.868 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX017661.D
 Acq: 28 Jul 2020 18:21

Tgt Ion: 75 Resp: 226411
 Ion Ratio Lower Upper
 75 100
 53 0.2 75.9 113.9#
 89 0.0 37.8 56.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.605 ug/l

RT: 13.01 min Scan# 1955

Delta R.T. 0.02 min

Lab File: VX017661.D

Acq: 28 Jul 2020 18:21

Instrument :

MSVOA_X

ClientSampleId :

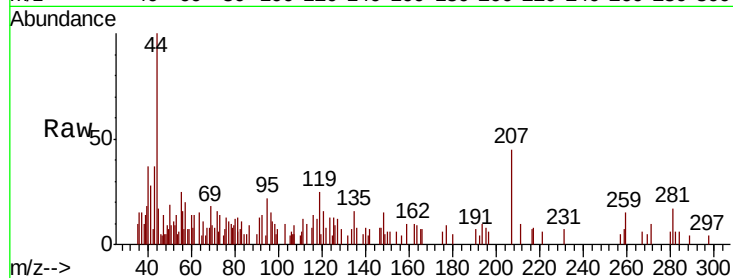
Tot Ion: 75 Resp: 86

Ion Ratio Lower Upper

75 100

155 88.4 42.3 126.8

157 145.3 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

