

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072420\
 Data File : VX017595.D
 Acq On : 25 Jul 2020 14:52
 Operator : JC/SP
 Sample : L3414-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 69 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 27 01:14:28 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	450314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	763689	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	823281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	425847	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	319782	55.28	ug/l	0.00
Spiked Amount			Recovery	=	110.56%	
35) Dibromofluoromethane	5.47	113	259477	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	
50) Toluene-d8	8.70	98	967201	52.49	ug/l	0.00
Spiked Amount			Recovery	=	104.98%	
62) 4-Bromofluorobenzene	11.12	95	418606	56.77	ug/l	0.00
Spiked Amount			Recovery	=	113.54%	

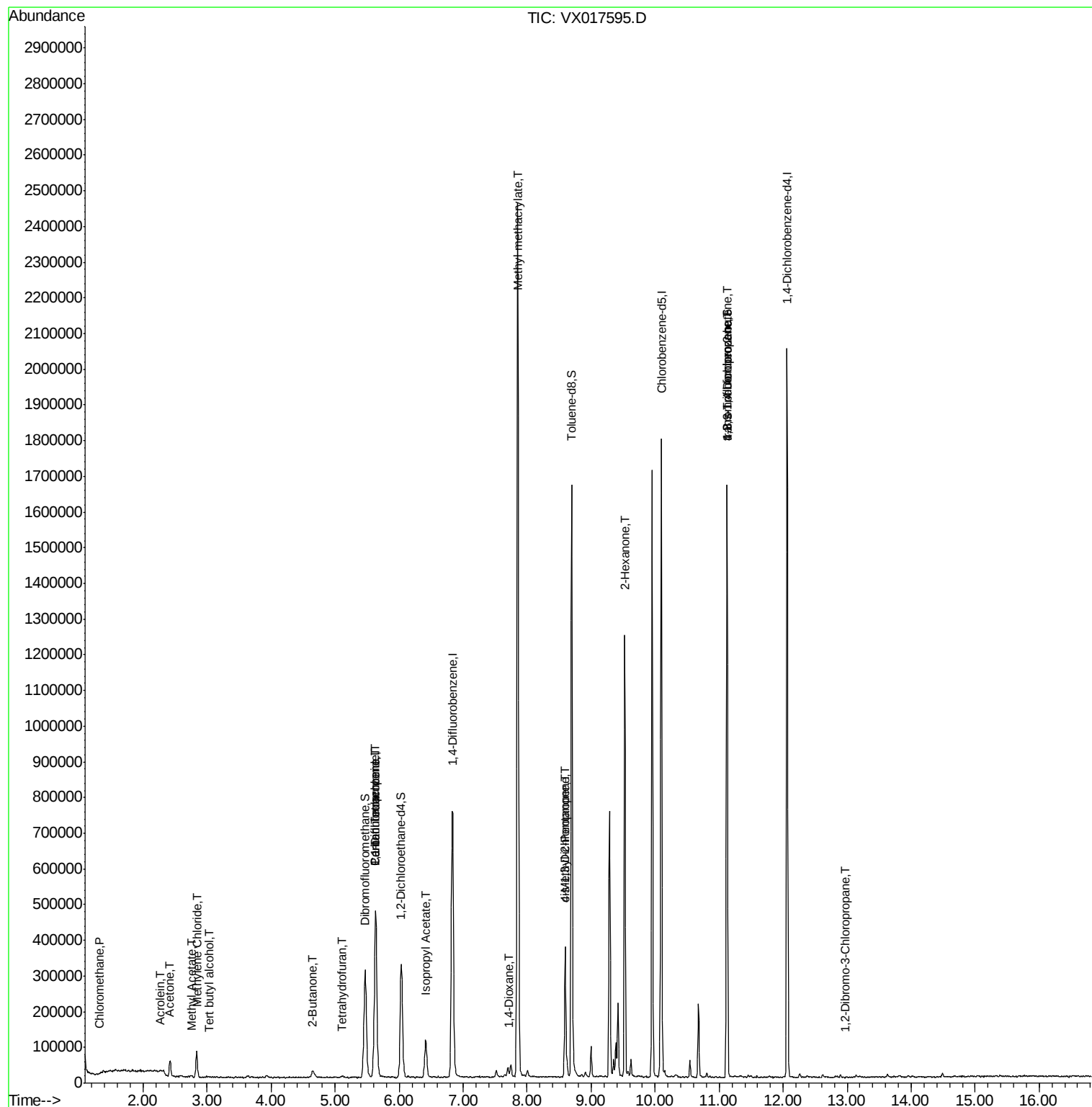
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	814	Below Cal	#	42
3) Chloromethane	1.31	50	734	0.498	ug/l #	1
5) Bromomethane	1.64	94	577	Below Cal	#	15
6) Chloroethane	1.70	64	436	Below Cal	#	62
8) Diethyl Ether	2.17	74	1097	Below Cal		85
11) Tert butyl alcohol	3.03	59	1573	1.290	ug/l #	70
13) Acrolein	2.28	56	2618	6.915	ug/l #	34
16) Acetone	2.42	43	49830	19.572	ug/l	94
18) Methyl Acetate	2.76	43	7156	1.193	ug/l #	81
20) Methylene Chloride	2.84	84	31493	5.423	ug/l	98
25) 2-Butanone	4.65	43	10884	3.009	ug/l #	88
29) Tetrahydrofuran	5.11	42	4043	1.805	ug/l #	63
36) 1,1-Dichloropropene	5.63	75	32248	4.403	ug/l #	55
38) Carbon Tetrachloride	5.62	117	45032	5.063	ug/l #	16
43) Isopropyl Acetate	6.42	43	140744	10.644	ug/l	98
48) Methyl methacrylate	7.85	41	215126	32.821	ug/l #	45
49) 1,4-Dioxane	7.72	88	534	4.249	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	143574	18.198	ug/l #	45
54) cis-1,3-Dichloropropene	8.60	75	57633	6.098	ug/l #	58
59) 2-Hexanone	9.52	43	145189	24.443	ug/l #	51
76) 1,2,3-Trichloropropane	11.12	75	211223	24.113	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	211223	60.758	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.97	75	127	2.623	ug/l #	19

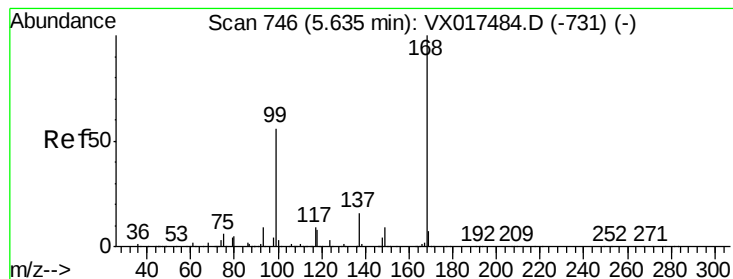
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072420\
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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jul 27 01:14:28 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: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017595.D

Acq: 25 Jul 2020 14:52

Instrument :

MSVOA_X

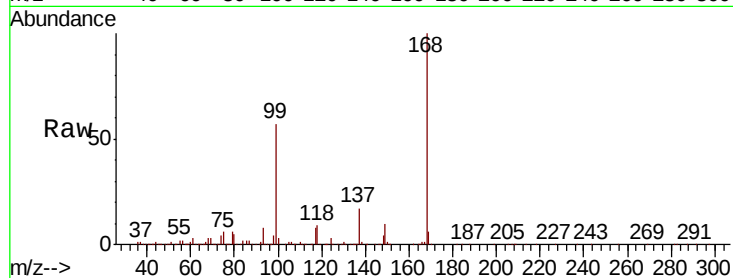
ClientSampleId :

Tot Ion:168 Resp: 450314

Ion Ratio Lower Upper

168 100

99 57.4 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

150000

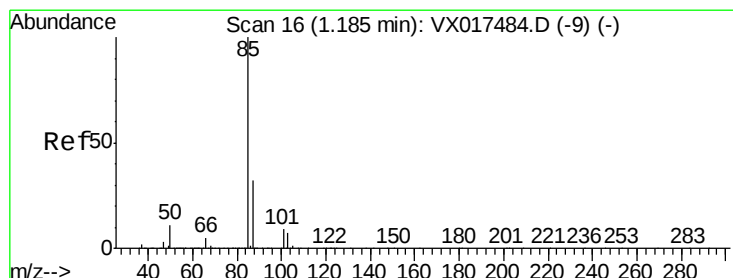
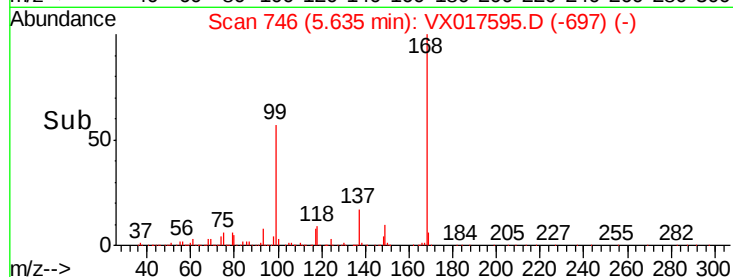
100000

50000

0

Time-->

5.50 5.60 5.70



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017595.D

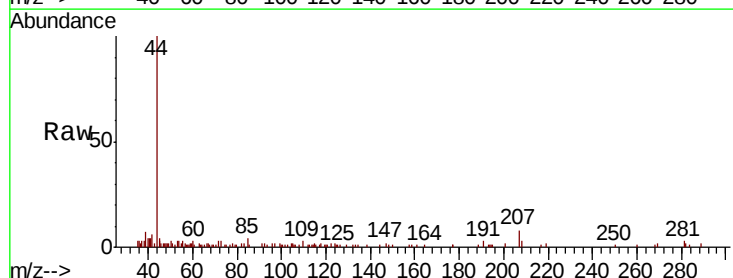
Acq: 25 Jul 2020 14:52

Tgt Ion: 85 Resp: 814

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

1.18

400

300

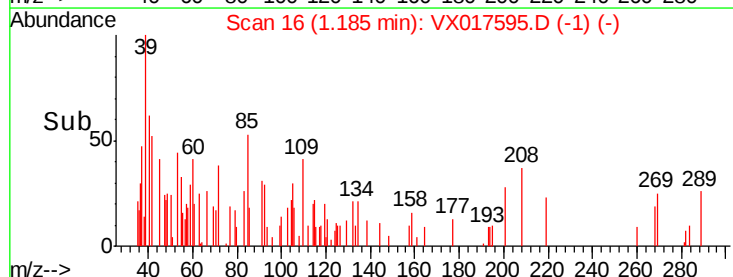
200

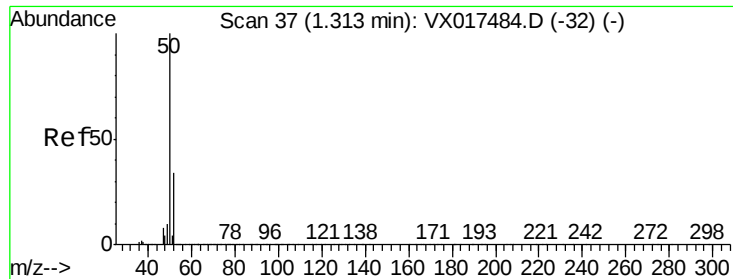
100

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 0.498 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017595.D

Acq: 25 Jul 2020 14:52

Instrument :

MSVOA_X

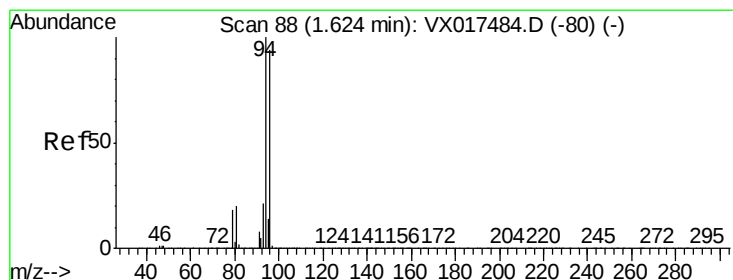
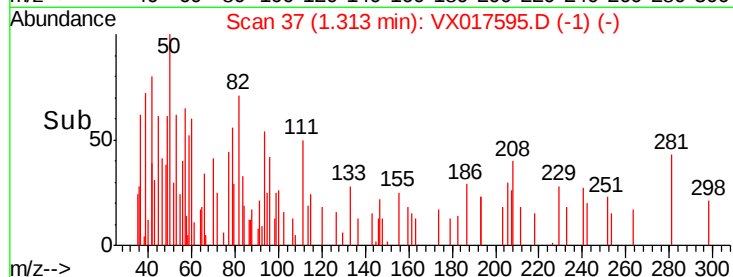
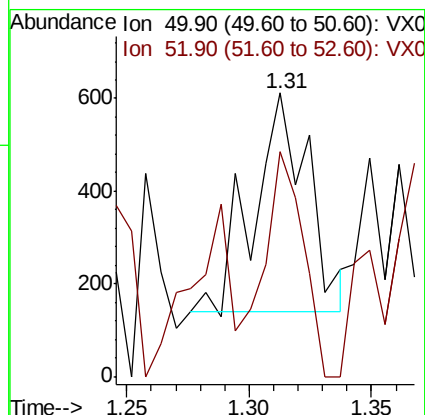
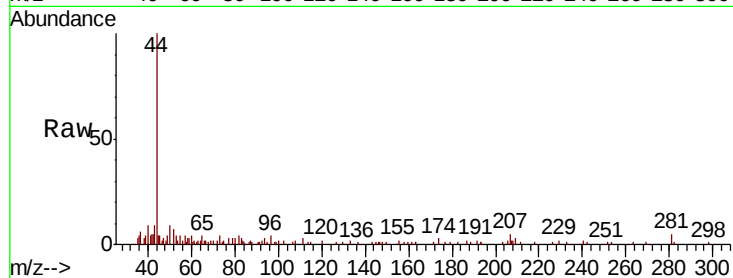
ClientSampled :

Tot Ion: 50 Resp: 734

Ion Ratio Lower Upper

50 100

52 102.8 25.9 38.9#



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX017595.D

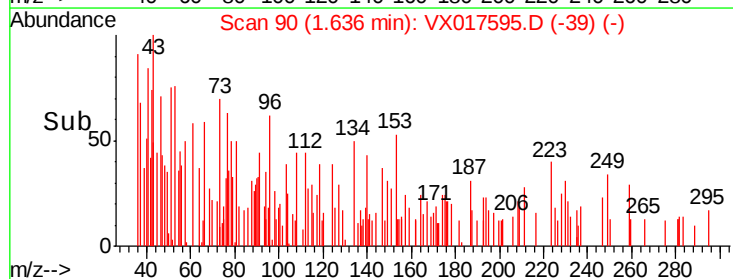
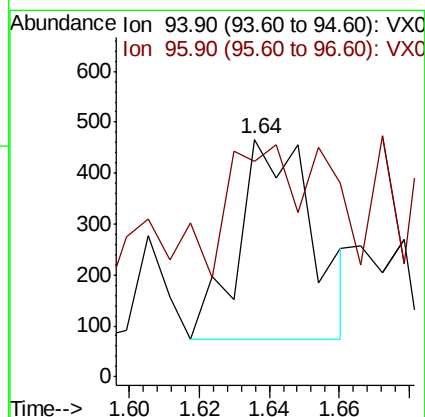
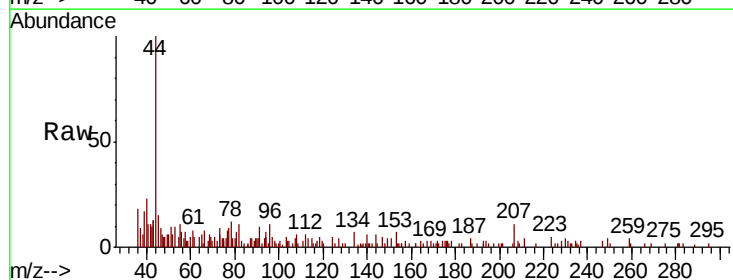
Acq: 25 Jul 2020 14:52

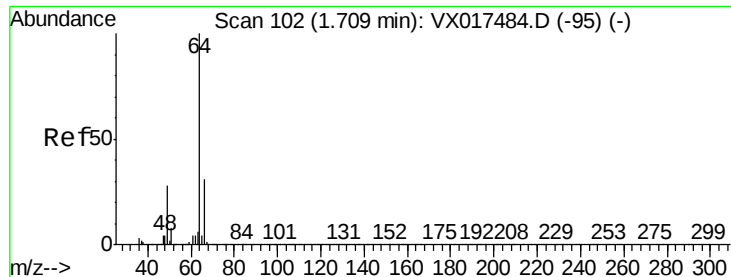
Tgt Ion: 94 Resp: 577

Ion Ratio Lower Upper

94 100

96 11.0 74.1 111.1#





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX017595.D

Acq: 25 Jul 2020 14:52

Instrument :

MSVOA_X

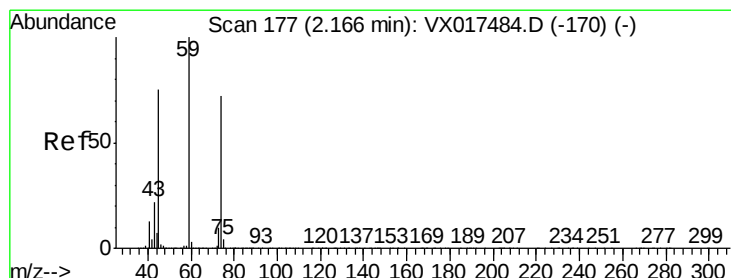
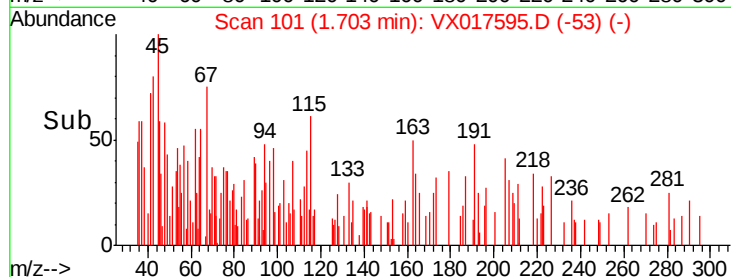
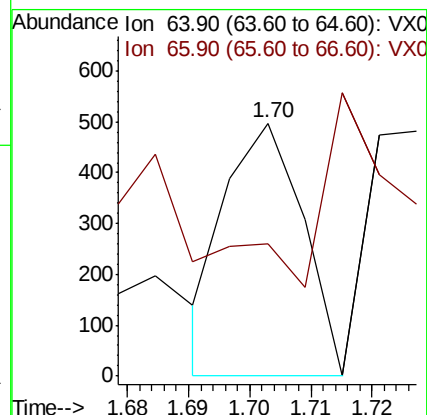
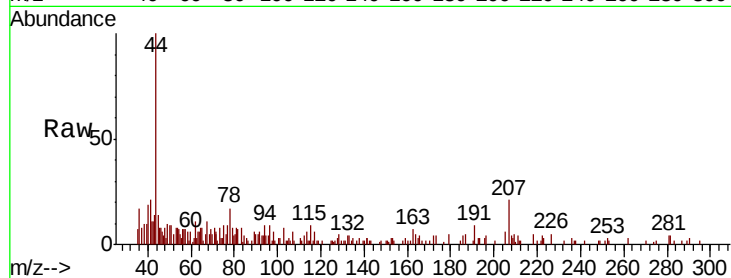
ClientSampled :

Tot Ion: 64 Resp: 436

Ion Ratio Lower Upper

64 100

66 10.1 24.9 37.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX017595.D

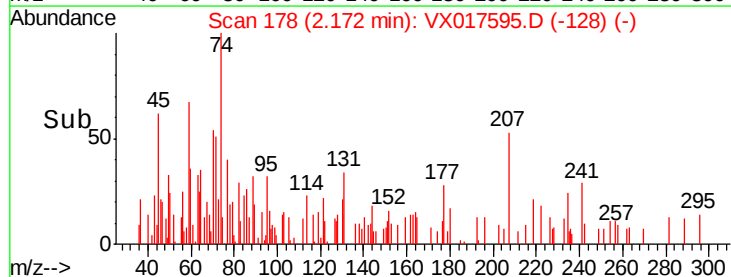
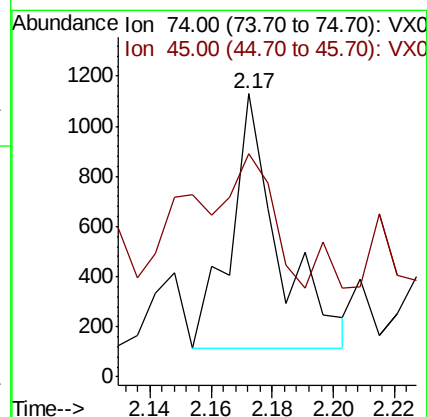
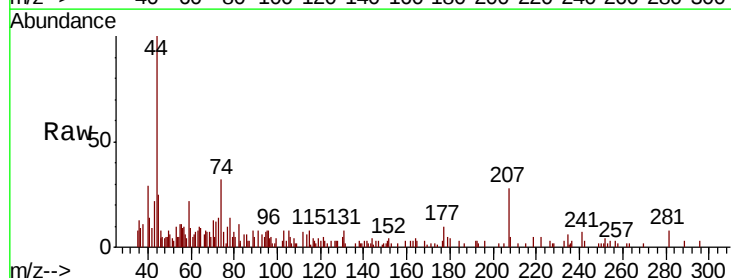
Acq: 25 Jul 2020 14:52

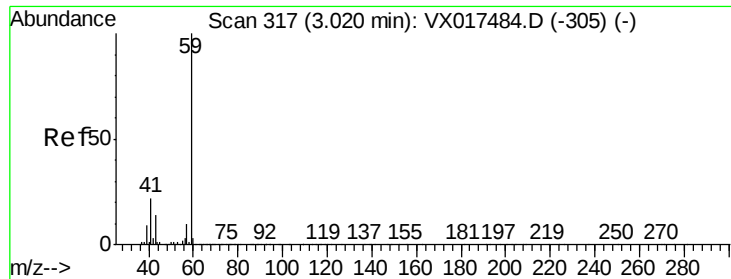
Tgt Ion: 74 Resp: 1097

Ion Ratio Lower Upper

74 100

45 86.1 50.8 152.5



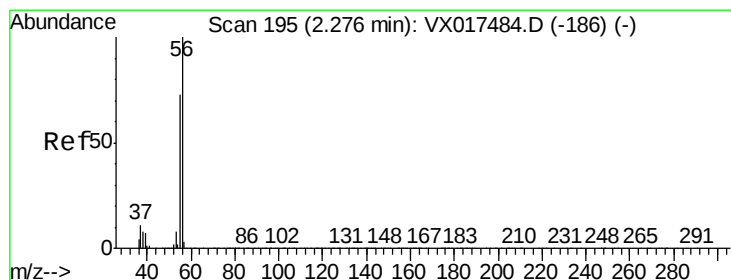
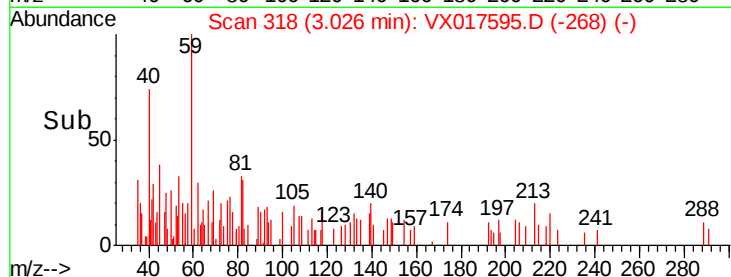
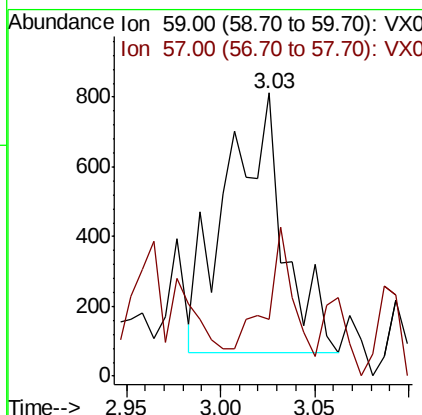
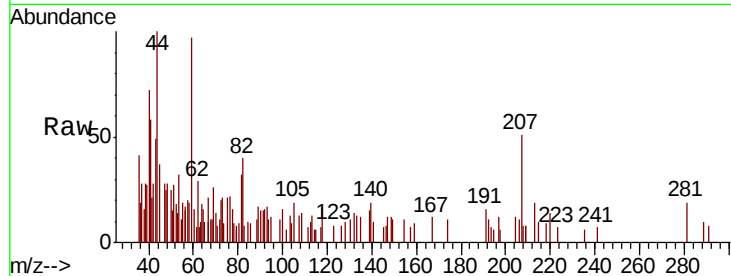


#11

Tert butyl alcohol
 Concen: 1.290 ug/l
 RT: 3.03 min Scan# 318
 Delta R.T. 0.01 min
 Lab File: VX017595.D
 Acq: 25 Jul 2020 14:52

Instrument :
 MSVOA_X
 ClientSampled :

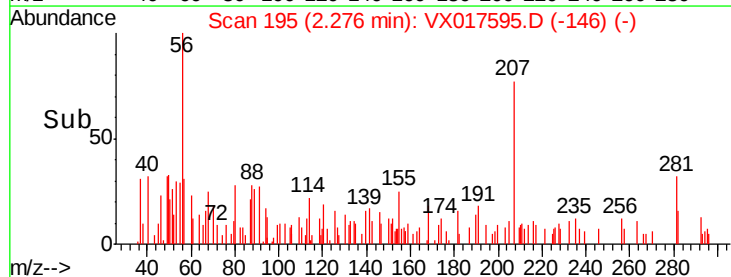
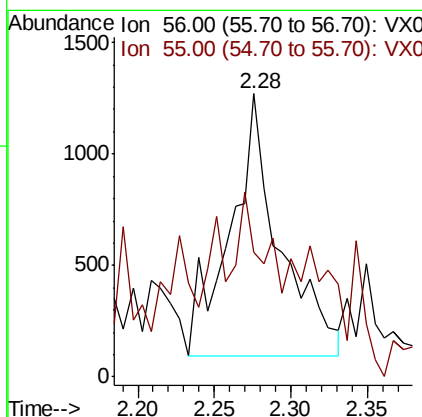
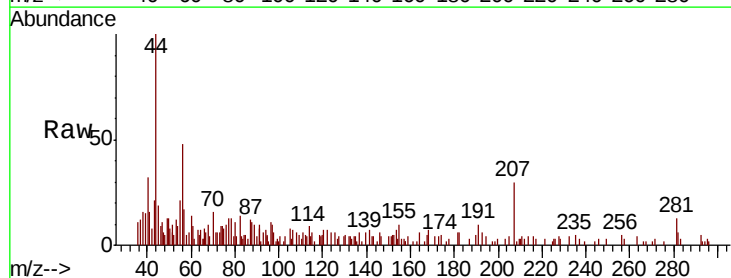
Tot Ion: 59.00 (58.70 to 59.70): VX0
 Ion Ratio Lower Upper
 59 100
 57 22.0 8.6 12.8#

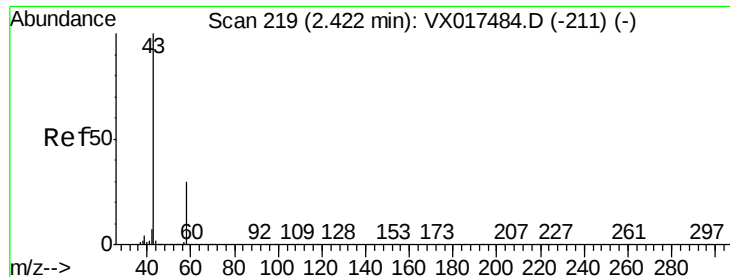


#13

Acrolein
 Concen: 6.915 ug/l
 RT: 2.28 min Scan# 195
 Delta R.T. -0.00 min
 Lab File: VX017595.D
 Acq: 25 Jul 2020 14:52

Tgt Ion: 56.00 (55.70 to 56.70): VX0
 Ion Ratio Lower Upper
 56 100
 55 16.8 57.4 86.2#





#16

Acetone

Concen: 19.572 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017595.D

Acq: 25 Jul 2020 14:52

Instrument :

MSVOA_X

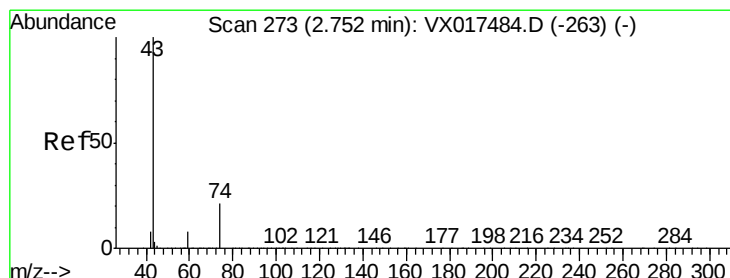
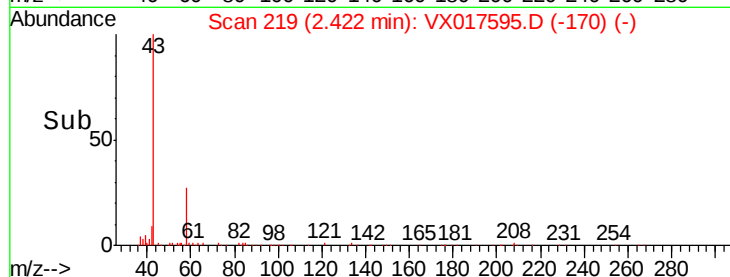
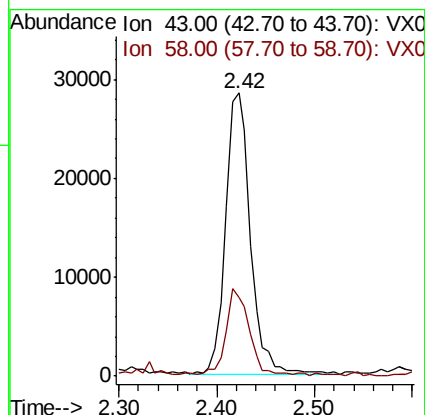
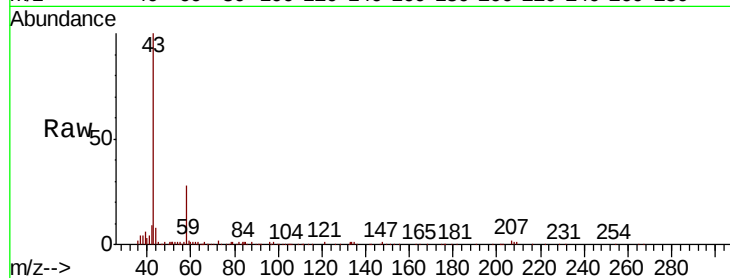
ClientSampleId :

Tot Ion: 43 Resp: 49830

Ion Ratio Lower Upper

43 100

58 27.1 24.2 36.4



#18

Methyl Acetate

Concen: 1.193 ug/l

RT: 2.76 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX017595.D

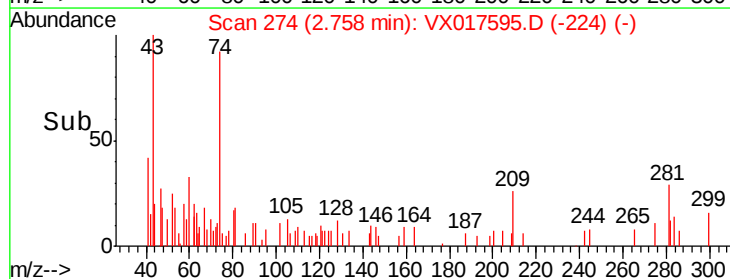
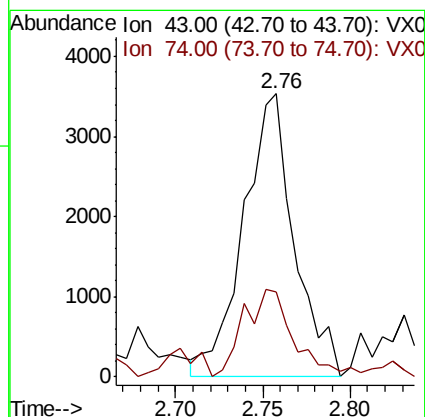
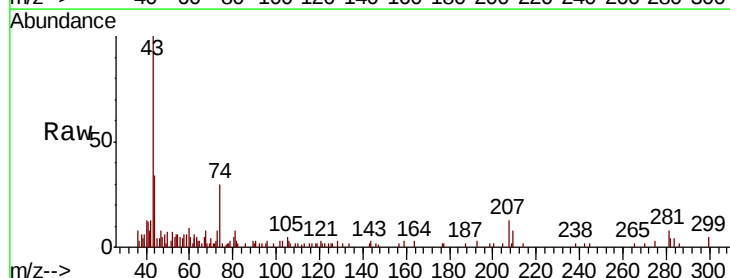
Acq: 25 Jul 2020 14:52

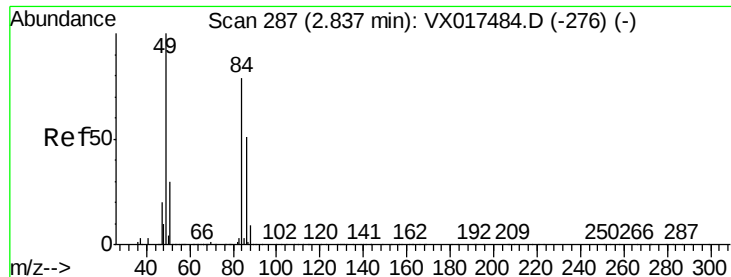
Tgt Ion: 43 Resp: 7156

Ion Ratio Lower Upper

43 100

74 30.9 17.5 26.3#

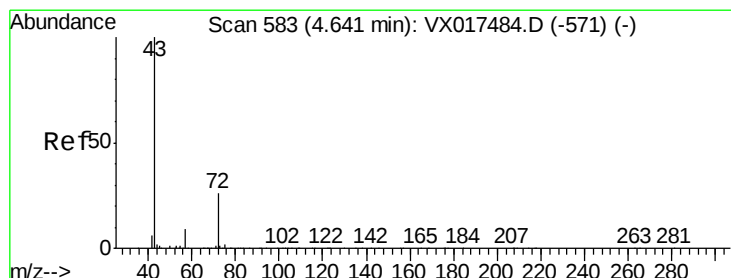
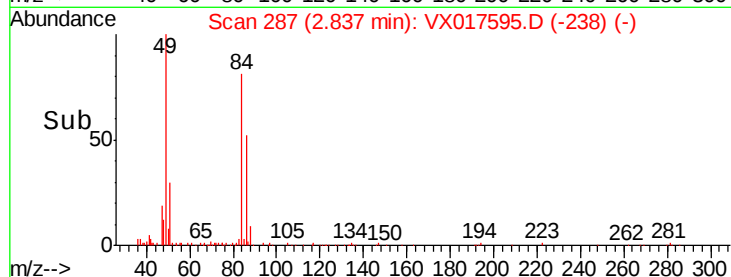
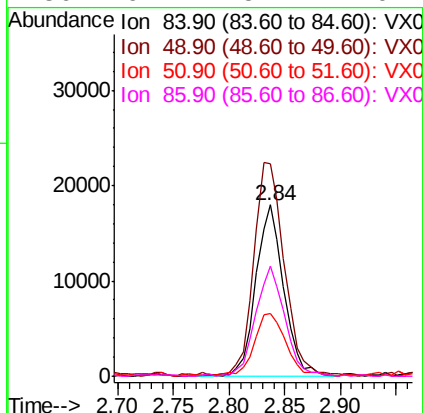
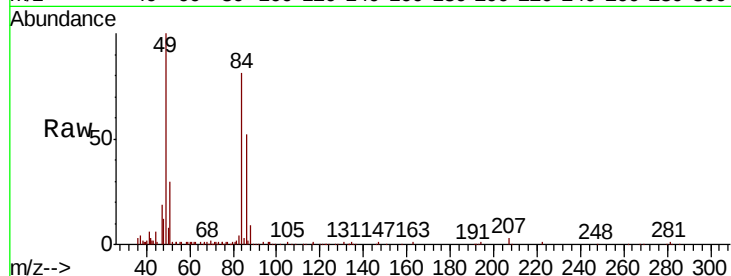




#20
Methvlene Chloride
Concen: 5.423 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017595.D
Acq: 25 Jul 2020 14:52

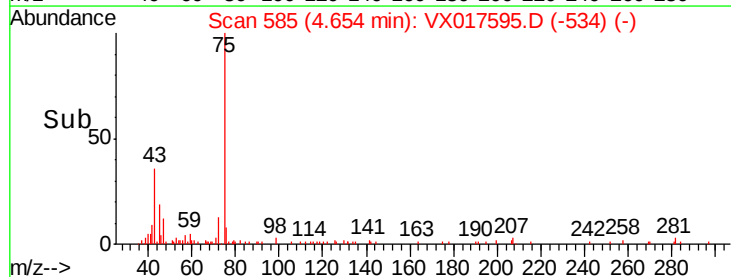
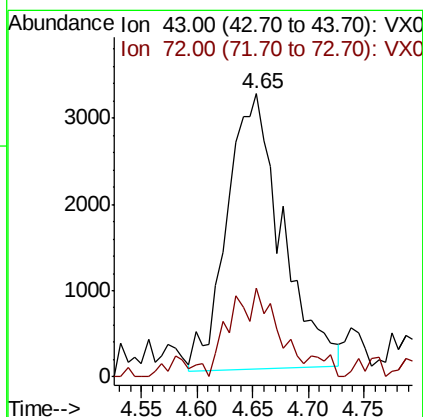
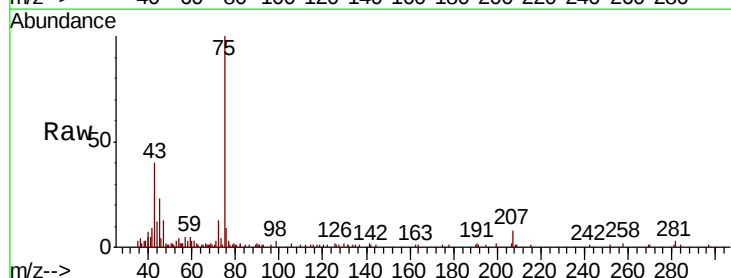
Instrument :
MSVOA_X
ClientSampleId :

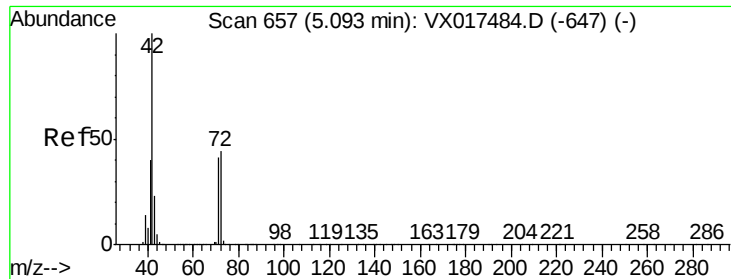
Tot Ion: 84 Resp: 31493
Ion Ratio Lower Upper
84 100
49 123.0 100.3 150.5
51 35.9 30.5 45.7
86 64.7 51.1 76.7



#25
2-Butanone
Concen: 3.009 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.01 min
Lab File: VX017595.D
Acq: 25 Jul 2020 14:52

Tgt Ion: 43 Resp: 10884
Ion Ratio Lower Upper
43 100
72 29.7 19.0 28.4#

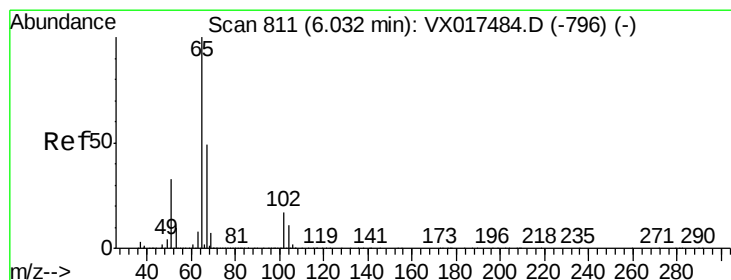
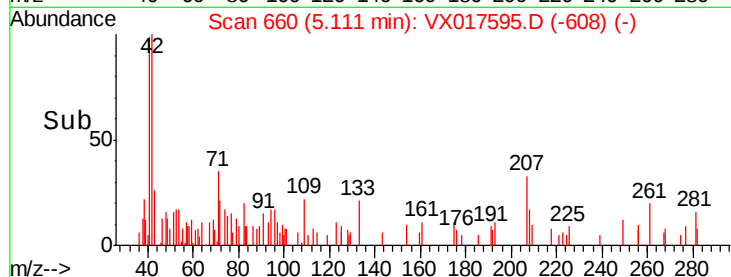
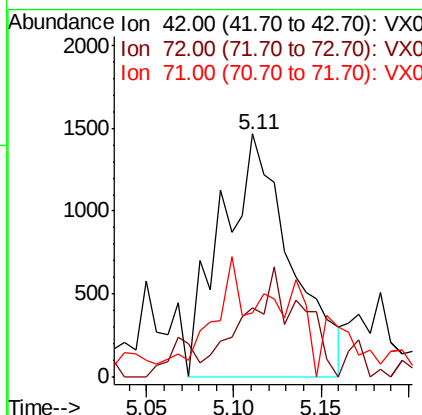
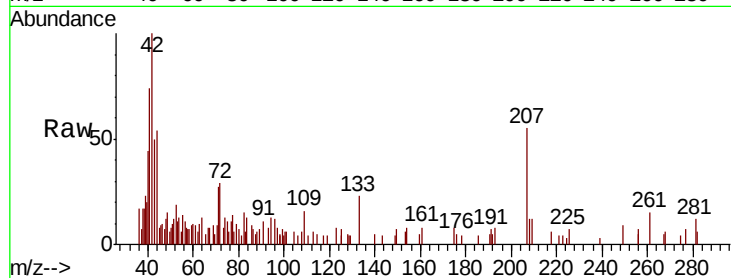




#29
Tetrahydrofuran
Concen: 1.805 ug/l
RT: 5.11 min Scan# 660
Delta R.T. 0.02 min
Lab File: VX017595.D
Acq: 25 Jul 2020 14:52

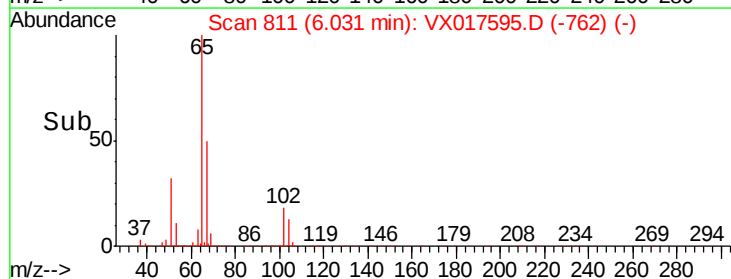
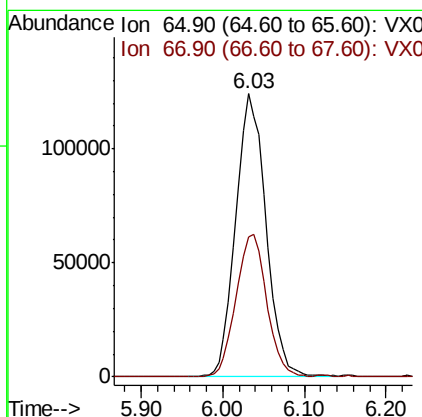
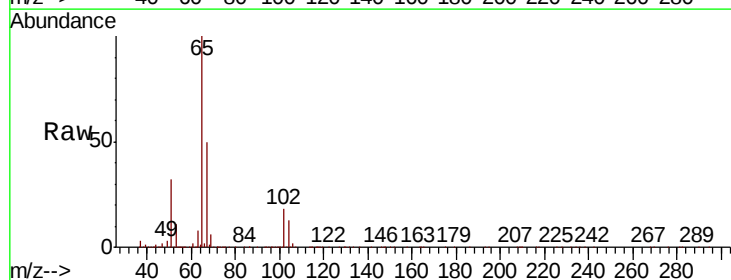
Instrument :
MSVOA_X
ClientSampleId :

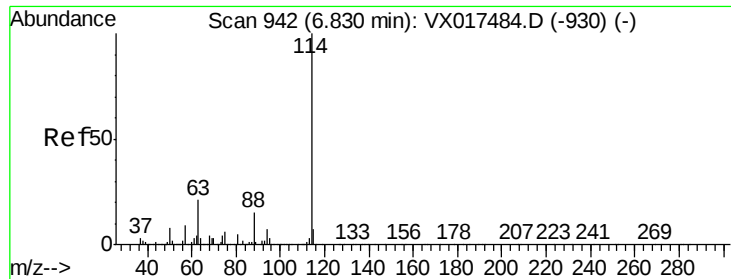
Tot Ion: 42 Resp: 4043
Ion Ratio Lower Upper
42 100
72 37.2 35.5 53.3
71 0.0 33.0 49.4#



#33
1,2-Dichloroethane-d4
Concen: 55.283 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX017595.D
Acq: 25 Jul 2020 14:52

Tgt Ion: 65 Resp: 319782
Ion Ratio Lower Upper
65 100
67 51.0 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: VX017595.D

Acq: 25 Jul 2020 14:52

Instrument :

MSVOA_X

ClientSampleId :

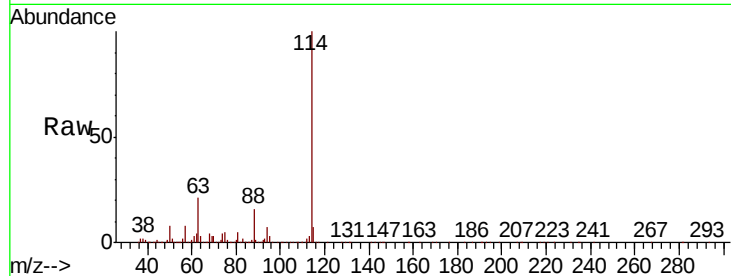
Tot Ion:114 Resp: 763689

Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.6

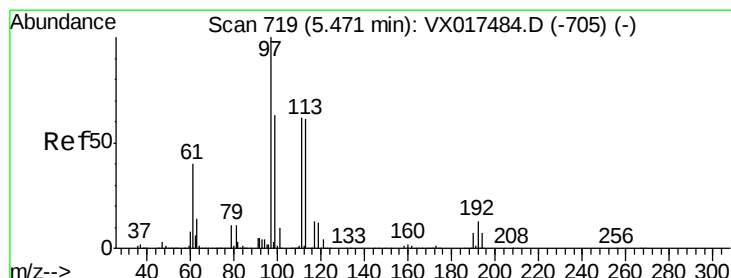
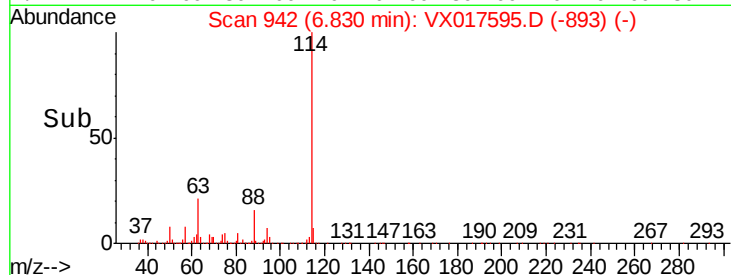
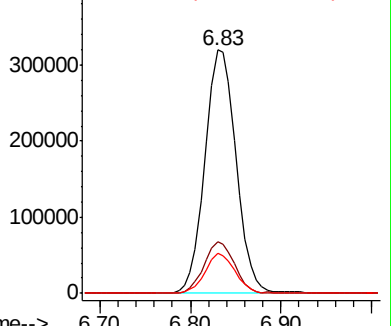
88 16.2 0.0 33.4



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: 50.802 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX017595.D

Acq: 25 Jul 2020 14:52

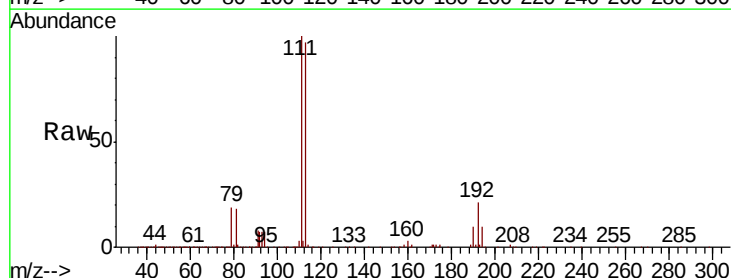
Tgt Ion:113 Resp: 259477

Ion Ratio Lower Upper

113 100

111 102.8 80.7 121.1

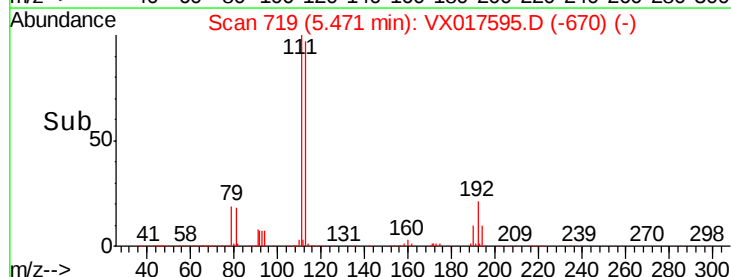
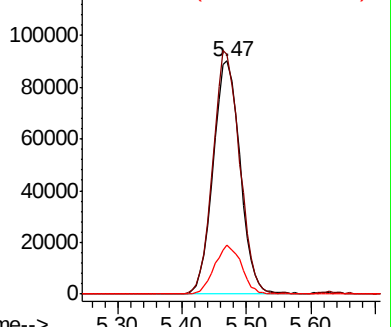
192 20.9 16.9 25.3

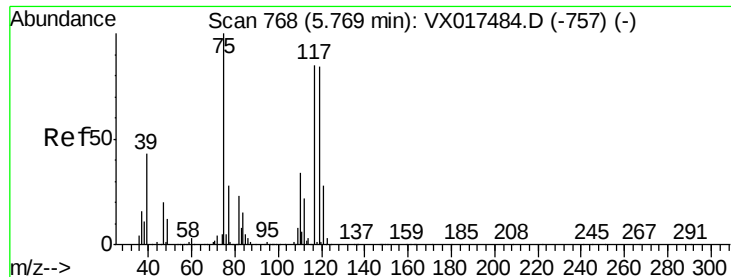


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.403 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017595.D

Acq: 25 Jul 2020 14:52

Instrument :

MSVOA_X

ClientSampleId :

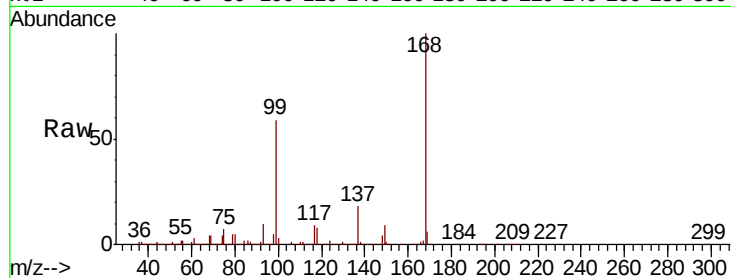
Tot Ion: 75 Resp: 32248

Ion Ratio Lower Upper

75 100

110 13.0 18.1 54.3#

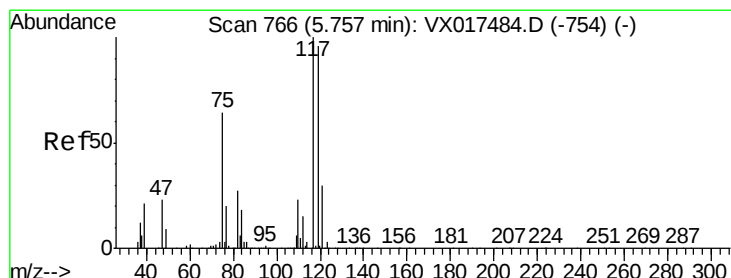
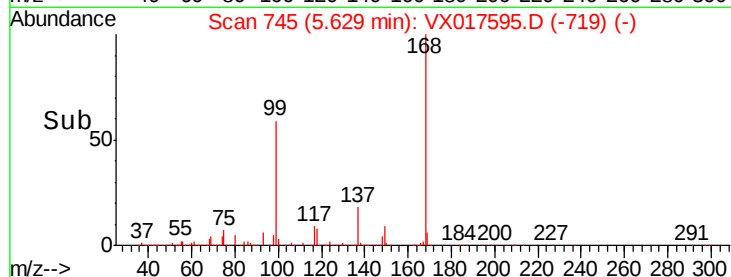
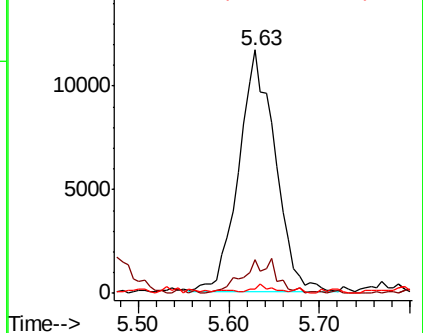
77 1.9 24.6 37.0#



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: 5.063 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX017595.D

Acq: 25 Jul 2020 14:52

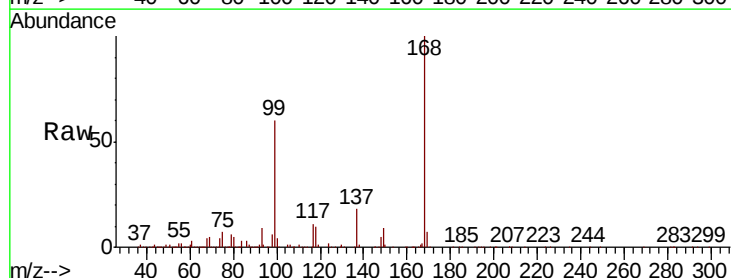
Tgt Ion:117 Resp: 45032

Ion Ratio Lower Upper

117 100

119 4.3 75.4 113.0#

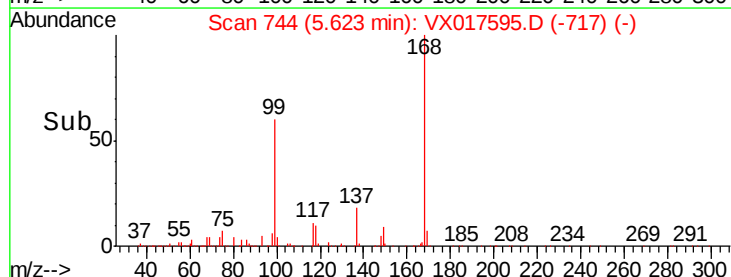
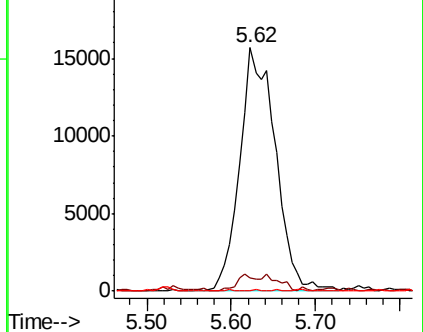
121 0.0 24.3 36.5#

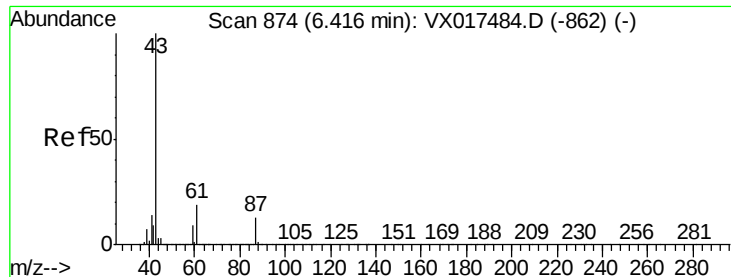


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



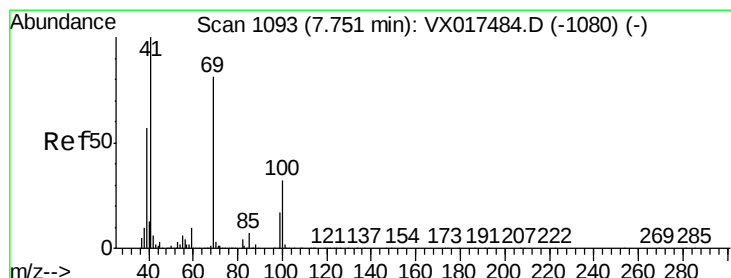
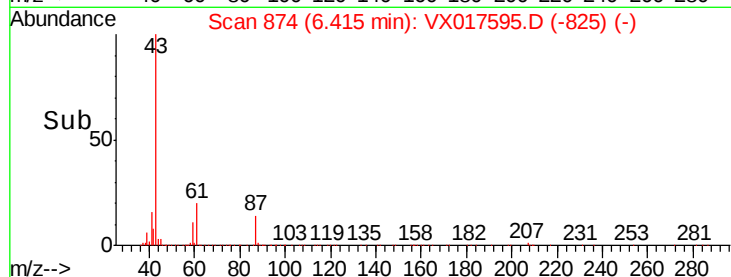
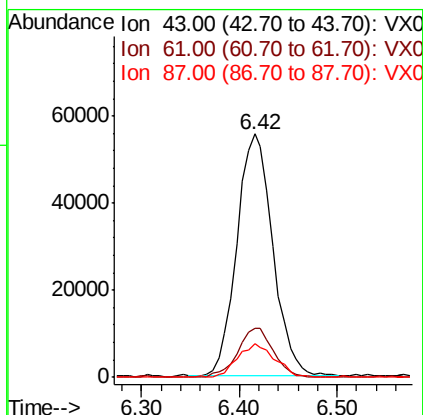
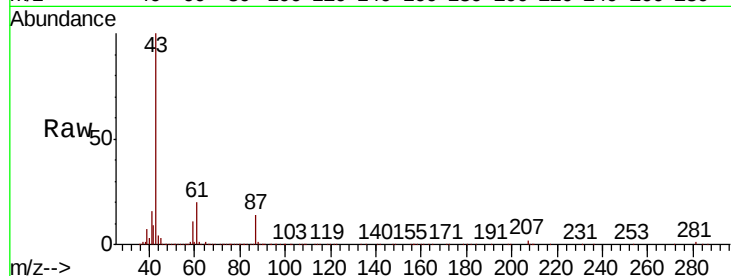


#43

Isopropyl Acetate
 Concen: 10.644 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VX017595.D
 Acq: 25 Jul 2020 14:52

Instrument :
 MSVOA_X
 ClientSampled :

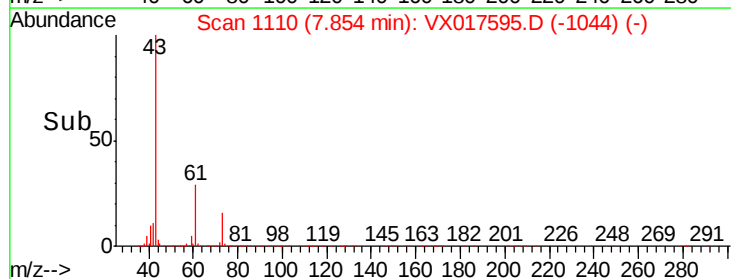
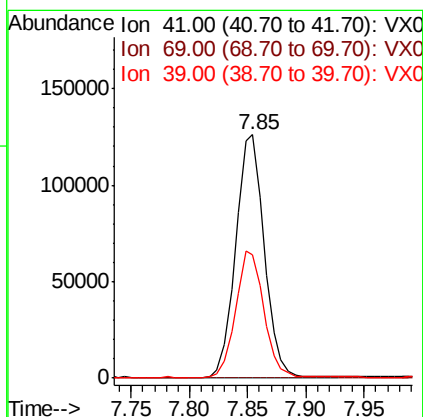
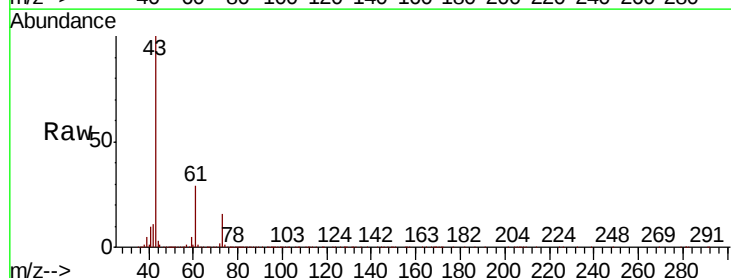
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.5	23.3
87	14.5	10.5	15.7

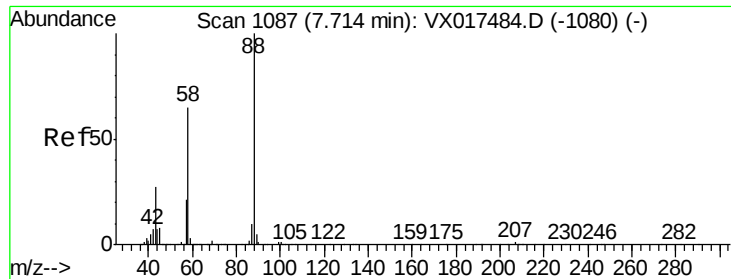


#48

Methyl methacrylate
 Concen: 32.821 ug/l
 RT: 7.85 min Scan# 1110
 Delta R.T. 0.10 min
 Lab File: VX017595.D
 Acq: 25 Jul 2020 14:52

Tgt Ion	Ratio	Lower	Upper
41	100		
69	0.4	63.1	94.7#
39	51.7	45.1	67.7

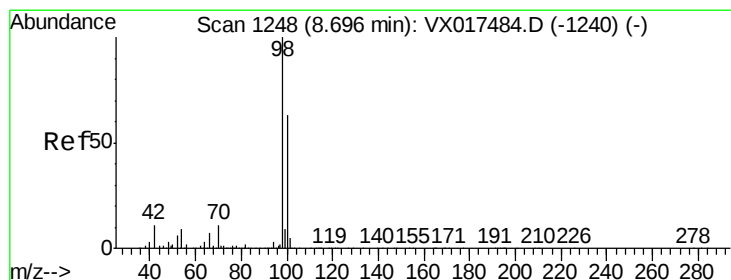
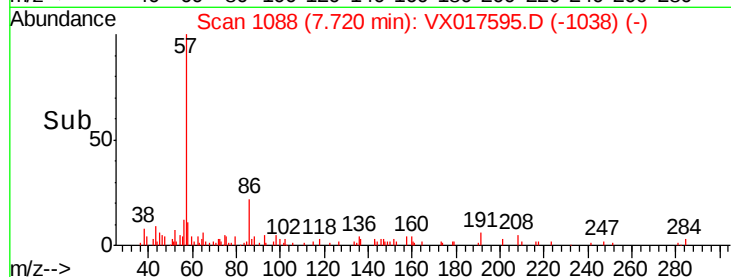
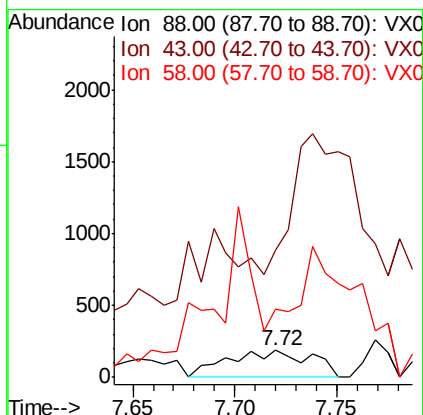
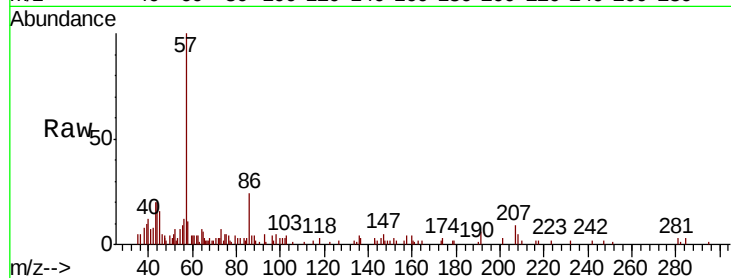




#49
1,4-Dioxane
Concen: 4.249 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX017595.D
Acq: 25 Jul 2020 14:52

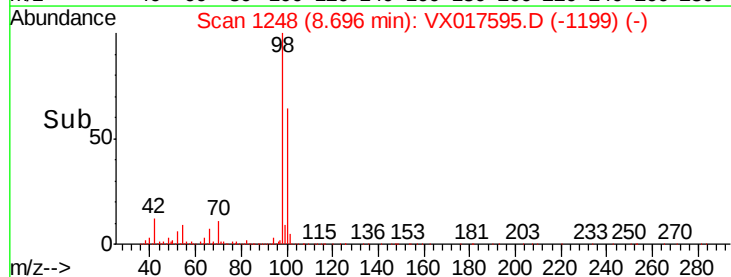
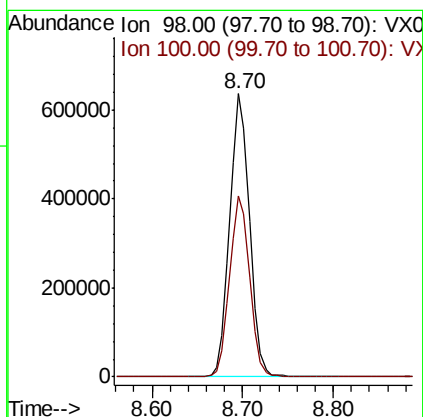
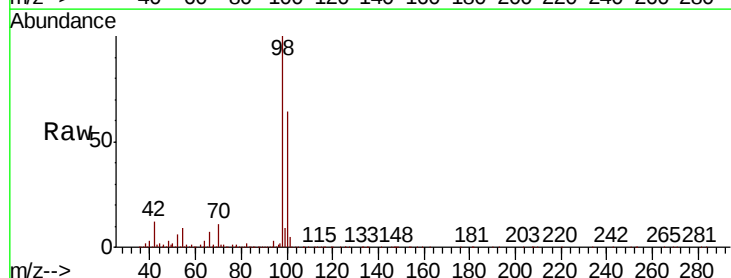
Instrument :
MSVOA_X
ClientSampleId :

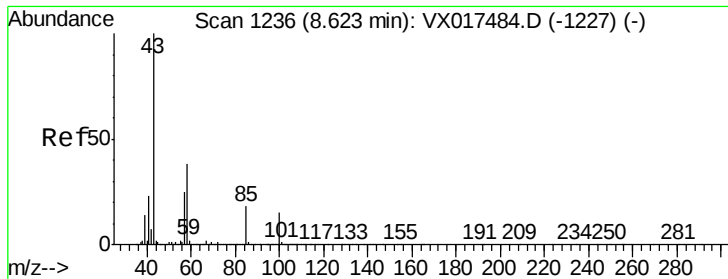
Tot Ion: 88 Resp: 534
Ion Ratio Lower Upper
88 100
43 0.0 27.8 41.6#
58 291.2 58.3 87.5#



#50
Toluene-d8
Concen: 52.492 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017595.D
Acq: 25 Jul 2020 14:52

Tgt Ion: 98 Resp: 967201
Ion Ratio Lower Upper
98 100
100 64.5 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 18.198 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX017595.D

Acq: 25 Jul 2020 14:52

Instrument :

MSVOA_X

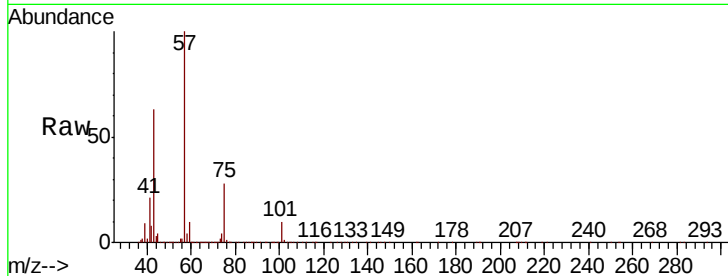
ClientSampleId :

Tot Ion: 43 Resp: 143574

Ion Ratio Lower Upper

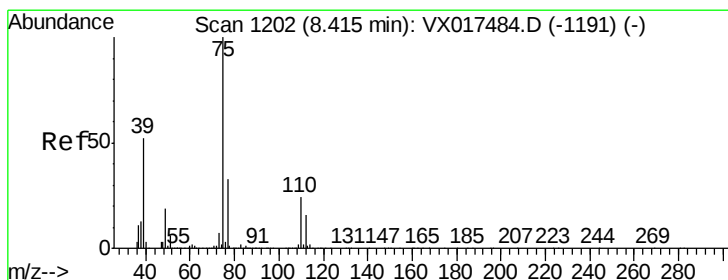
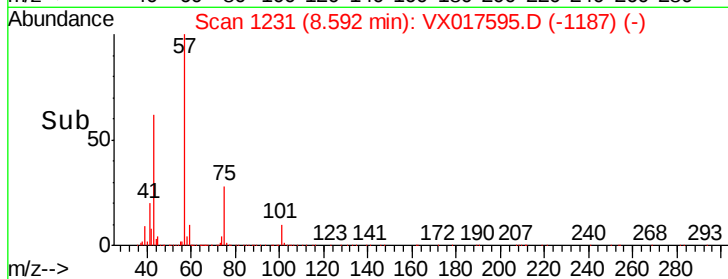
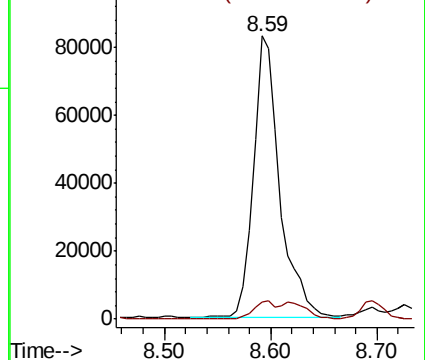
43 100

58 5.1 31.0 46.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#54

cis-1,3-Dichloropropene

Concen: 6.098 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. 0.18 min

Lab File: VX017595.D

Acq: 25 Jul 2020 14:52

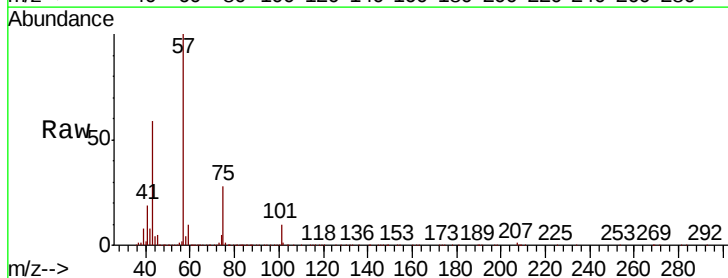
Tgt Ion: 75 Resp: 57633

Ion Ratio Lower Upper

75 100

77 0.6 25.5 38.3#

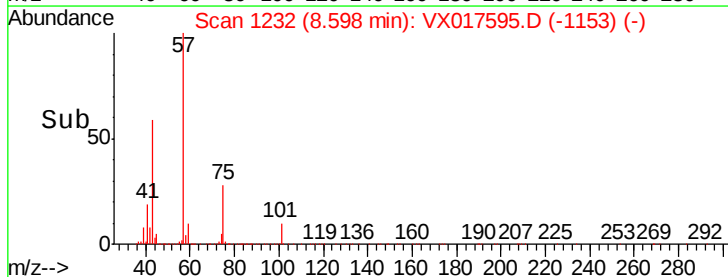
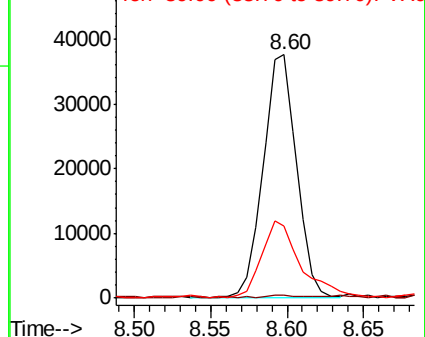
39 28.6 41.8 62.8#

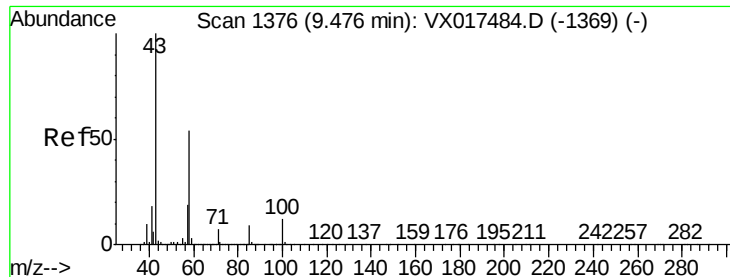


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

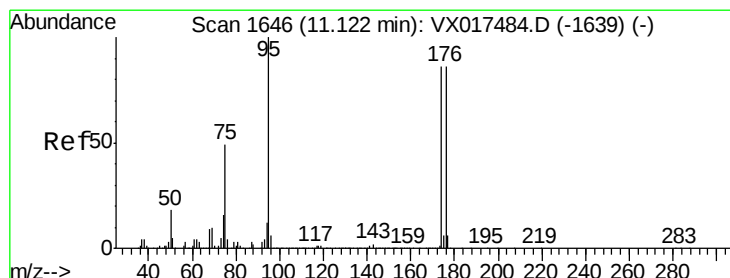
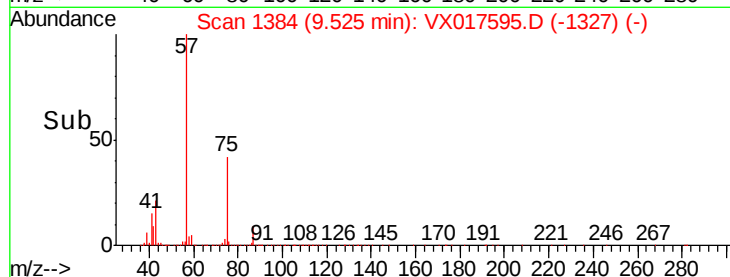
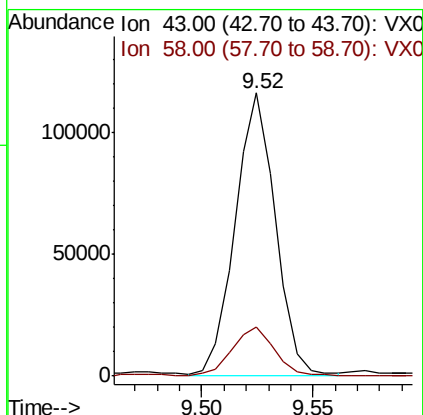
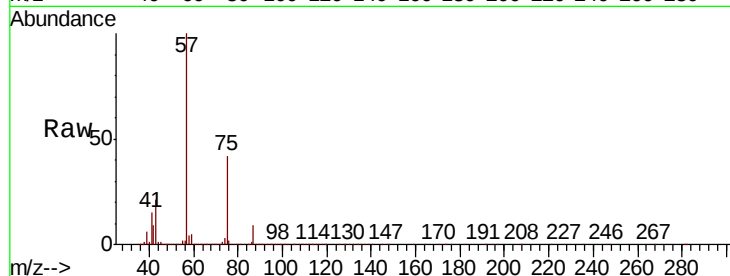




#59
2-Hexanone
Concen: 24.443 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX017595.D
Acq: 25 Jul 2020 14:52

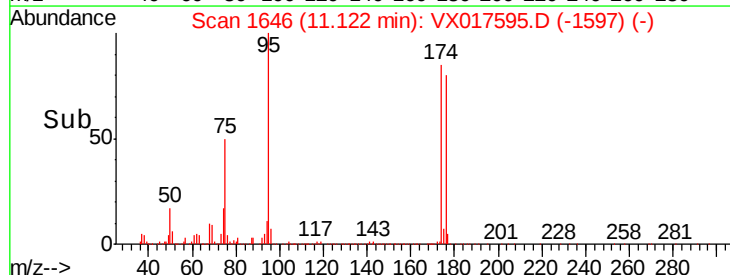
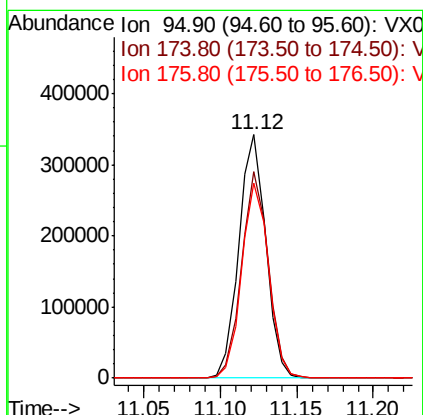
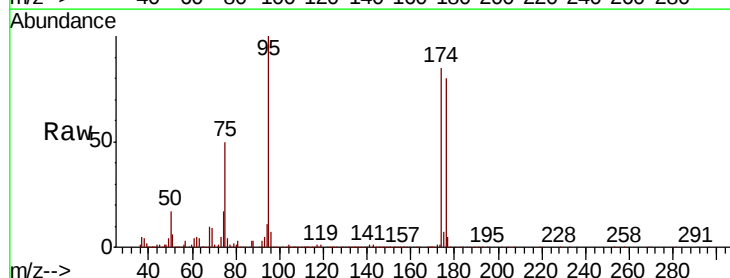
Instrument :
MSVOA_X
ClientSampleId :

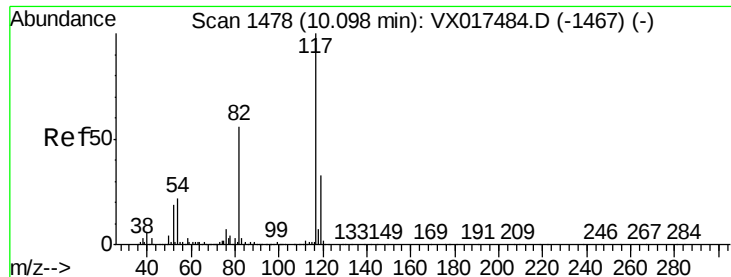
Tot Ion: 43 Resp: 145189
Ion Ratio Lower Upper
43 100
58 18.3 26.6 79.8#



#62
4-Bromofluorobenzene
Concen: 56.768 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017595.D
Acq: 25 Jul 2020 14:52

Tgt Ion: 95 Resp: 418606
Ion Ratio Lower Upper
95 100
174 84.1 0.0 169.0
176 80.2 0.0 161.0

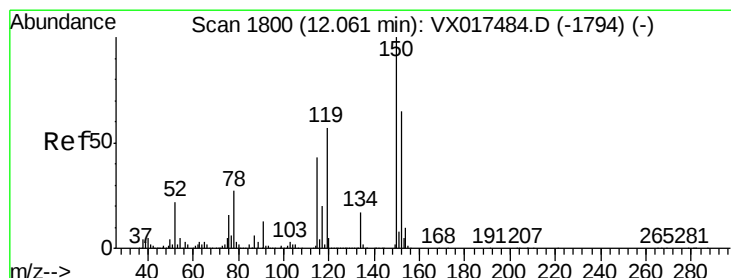
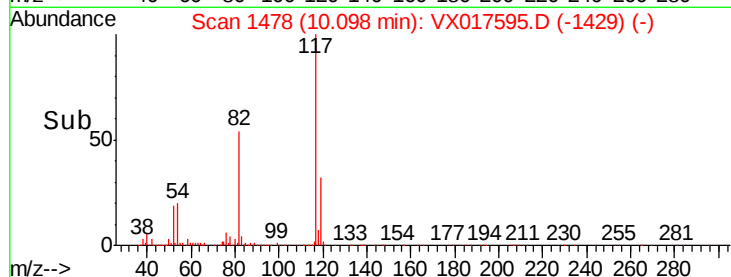
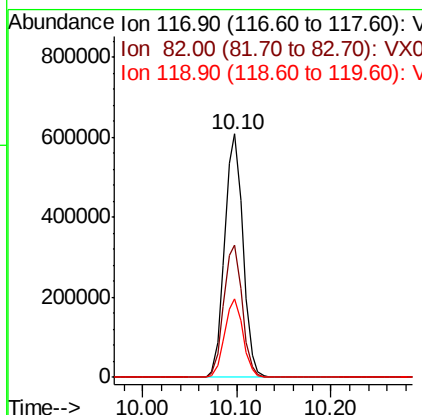
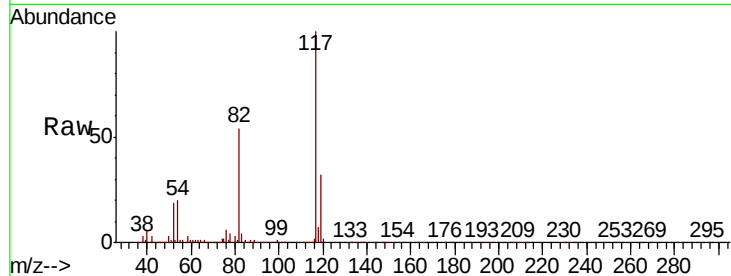




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017595.D
Acq: 25 Jul 2020 14:52

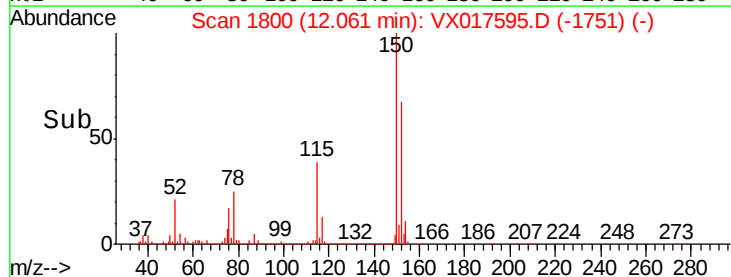
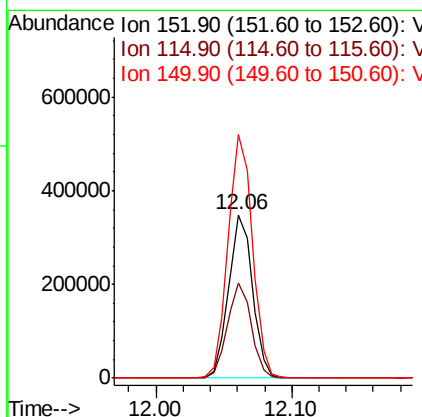
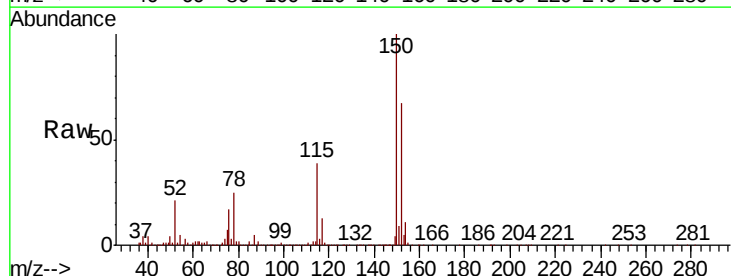
Instrument :
MSVOA_X
ClientSampleId :

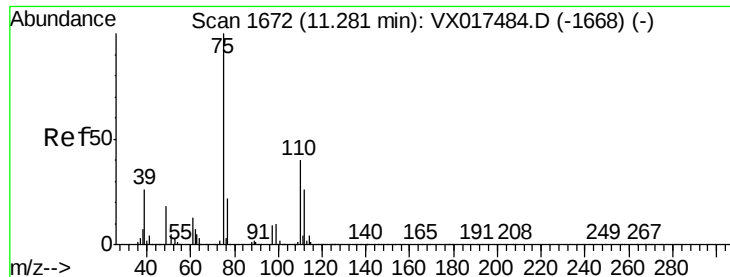
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	44.0	66.0
119	32.5	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017595.D
Acq: 25 Jul 2020 14:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.8	65.5	196.6#
150	152.0	0.0	412.6





#76

1,2,3-Trichloropropane

Concen: 24.113 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017595.D

Acq: 25 Jul 2020 14:52

Instrument :

MSVOA_X

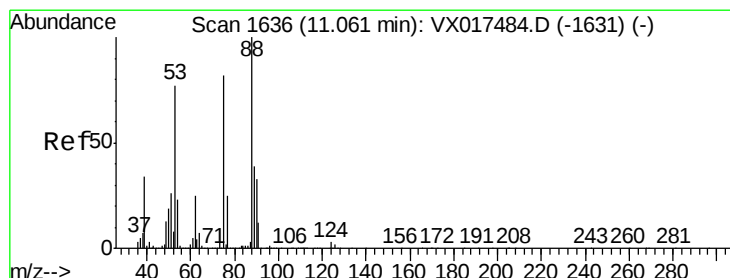
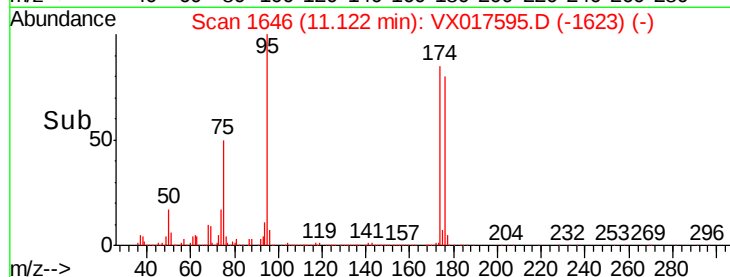
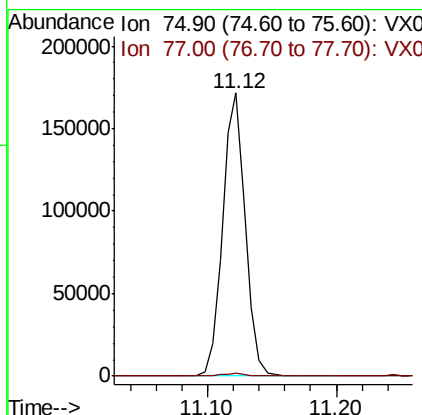
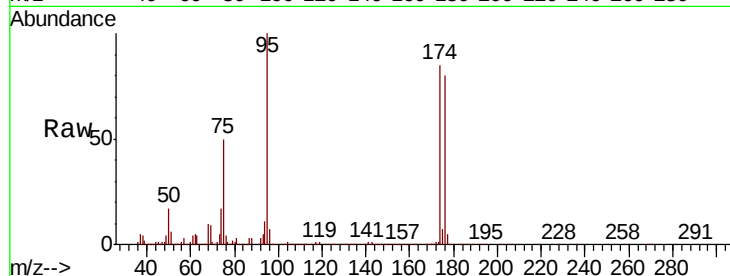
ClientSampleId :

Tot Ion: 75 Resp: 211223

Ion Ratio Lower Upper

75 100

77 1.1 21.8 65.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.758 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017595.D

Acq: 25 Jul 2020 14:52

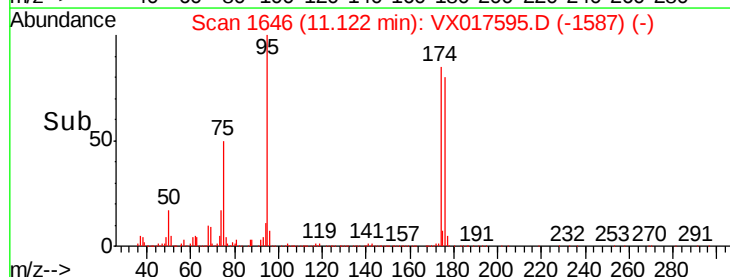
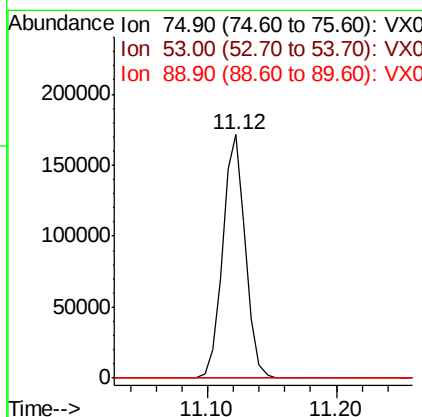
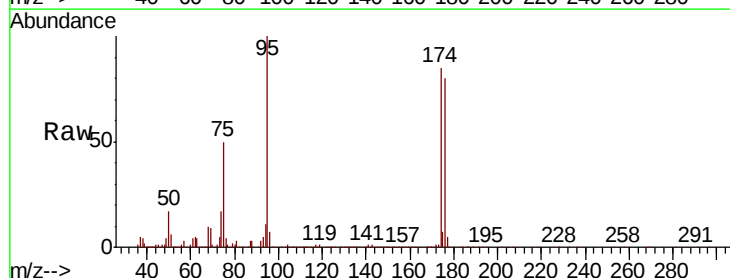
Tgt Ion: 75 Resp: 211223

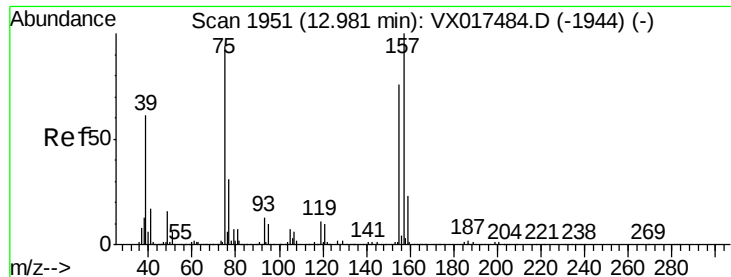
Ion Ratio Lower Upper

75 100

53 0.0 75.9 113.9#

89 0.0 37.8 56.6#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.623 ug/l
 RT: 12.97 min Scan# 1949
 Delta R.T. -0.01 min
 Lab File: VX017595.D
 Acq: 25 Jul 2020 14:52

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 127
 Ion Ratio Lower Upper
 75 100
 155 0.0 42.3 126.8#
 157 184.3 54.3 162.9#

