

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072420\
 Data File : VX017583.D
 Acq On : 25 Jul 2020 09:56
 Operator : JC/SP
 Sample : L3382-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 27 01:10:20 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	417388	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	723517	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	715230	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	375619	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	300522	56.05	ug/l	0.00
Spiked Amount			Recovery	=	112.10%	
35) Dibromofluoromethane	5.46	113	251000	51.87	ug/l	0.00
Spiked Amount			Recovery	=	103.74%	
50) Toluene-d8	8.70	98	837675	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	
62) 4-Bromofluorobenzene	11.12	95	413244	59.15	ug/l	0.00
Spiked Amount			Recovery	=	118.30%	

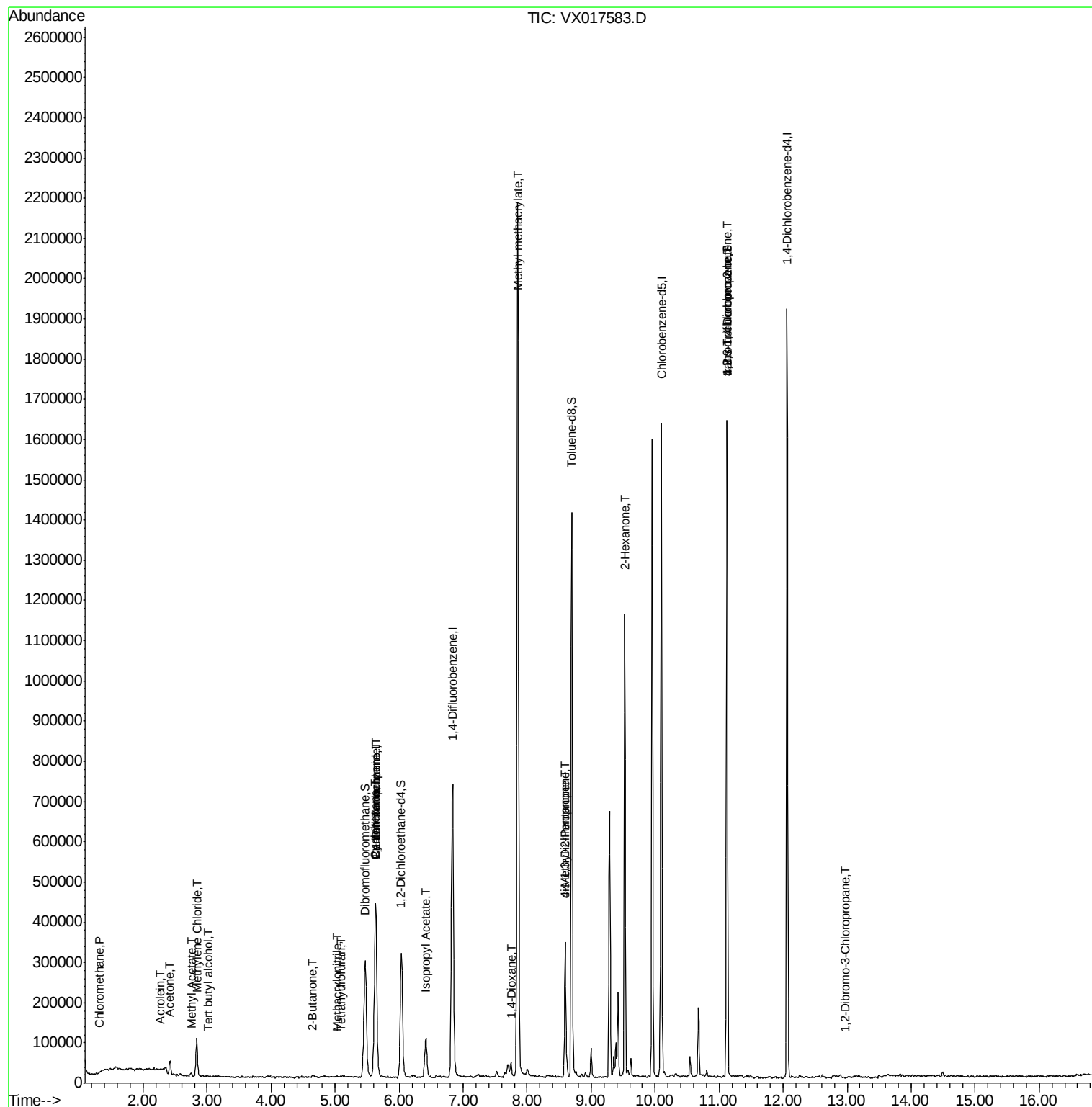
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	99	Below Cal	#	42
3) Chloromethane	1.31	50	594	0.481	ug/l #	43
5) Bromomethane	1.61	94	564	Below Cal	#	72
6) Chloroethane	1.72	64	251	Below Cal	#	86
8) Diethyl Ether	2.28	74	228	Below Cal		65
11) Tert butyl alcohol	3.02	59	811	0.718	ug/l #	72
13) Acrolein	2.26	56	545	4.770	ug/l #	1
16) Acetone	2.42	43	38054	16.126	ug/l	97
18) Methyl Acetate	2.75	43	9374	1.687	ug/l	96
20) Methylene Chloride	2.84	84	44463	8.950	ug/l	90
25) 2-Butanone	4.64	43	5768	1.721	ug/l	99
29) Tetrahydrofuran	5.09	42	1982	0.954	ug/l #	44
31) Cyclohexane	5.62	56	4550	0.688	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	30350	4.374	ug/l #	46
38) Carbon Tetrachloride	5.64	117	42842	5.084	ug/l #	18
41) Methacrylonitrile	5.04	41	961	0.221	ug/l #	76
43) Isopropyl Acetate	6.42	43	134630	10.747	ug/l	99
48) Methyl methacrylate	7.85	41	201012	32.371	ug/l #	46
49) 1,4-Dioxane	7.74	88	263	2.209	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	125561	16.799	ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	54039	6.035	ug/l #	62
59) 2-Hexanone	9.52	43	126487	22.477	ug/l #	52
76) 1,2,3-Trichloropropane	11.12	75	211995	27.437	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	211995	69.135	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.98	75	466	2.771	ug/l #	20

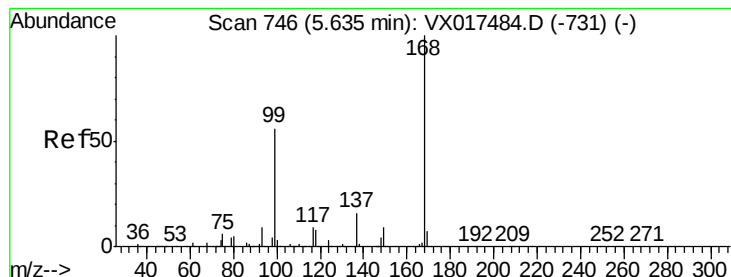
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Quant Time: Jul 27 01:10:20 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: VX017583.D

Acq: 25 Jul 2020 09:56

Instrument :

MSVOA_X

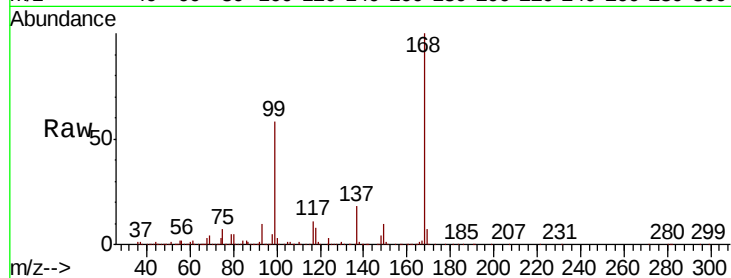
ClientSampleId :

Tot Ion:168 Resp: 417388

Ion Ratio Lower Upper

168 100

99 58.2 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

100000

50000

0

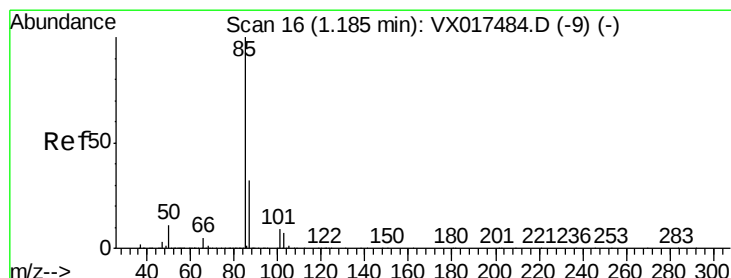
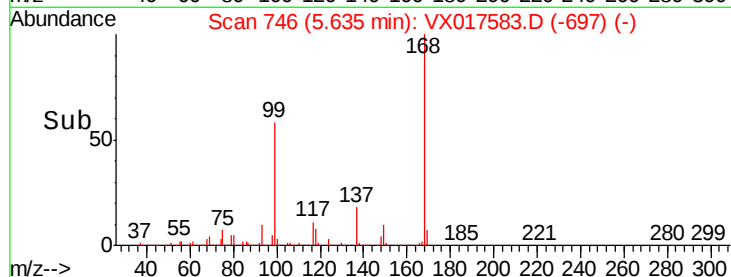
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017583.D

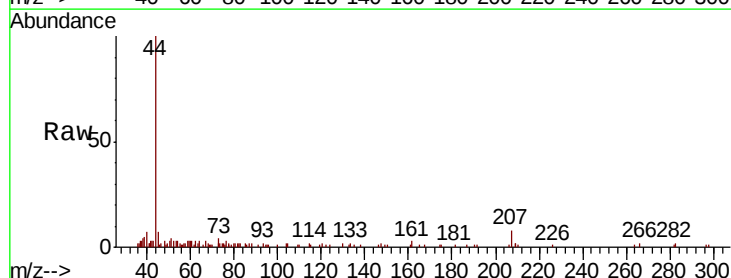
Acq: 25 Jul 2020 09:56

Tgt Ion: 85 Resp: 99

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

400

300

200

100

0

1.17

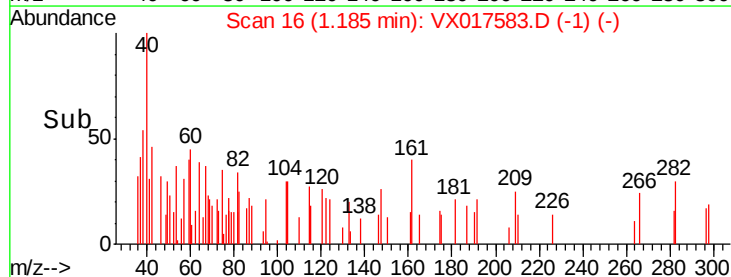
1.18

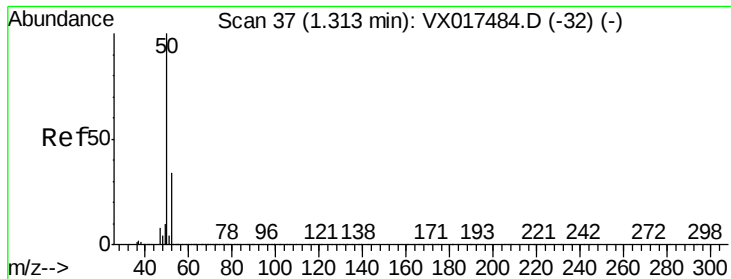
1.19

1.20

1.21

Time-->

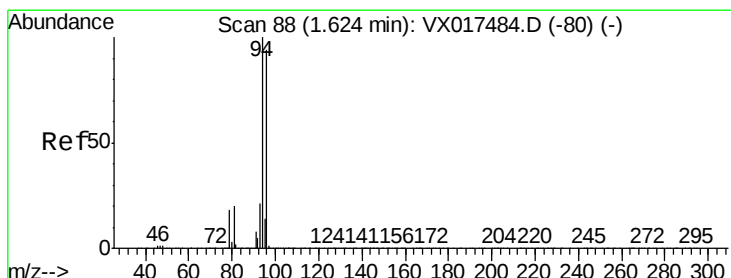
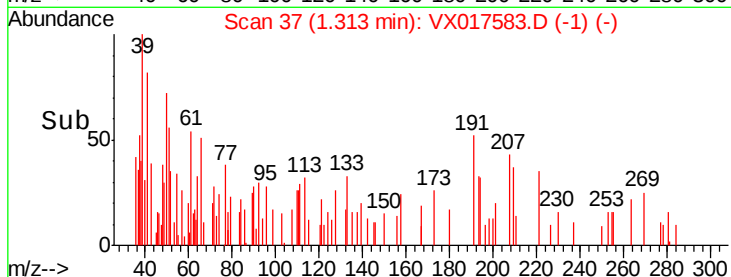
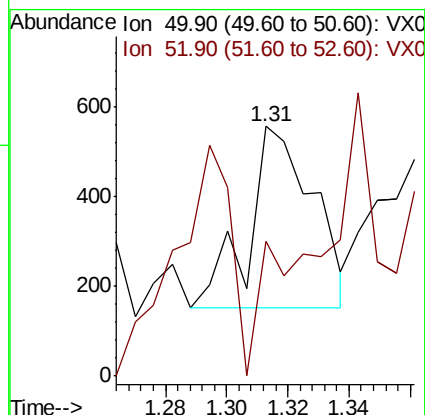
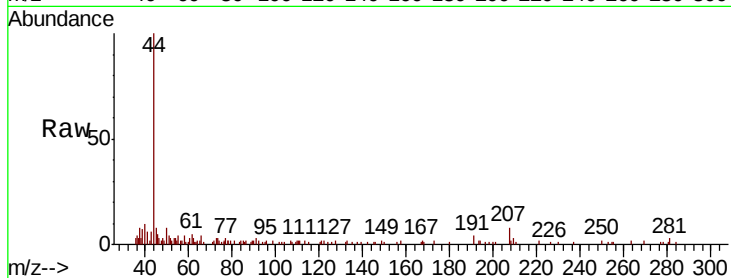




#3
Chloromethane
Concen: 0.481 ug/l
RT: 1.31 min Scan# 37
Delta R.T. 0.00 min
Lab File: VX017583.D
Acq: 25 Jul 2020 09:56

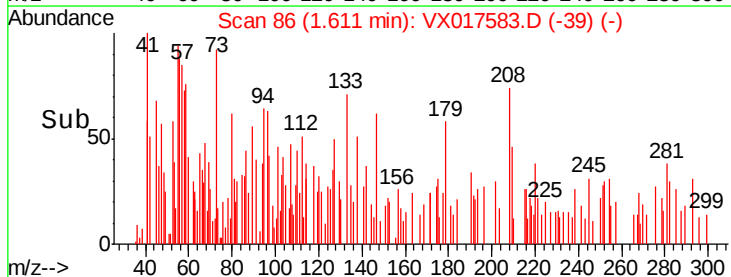
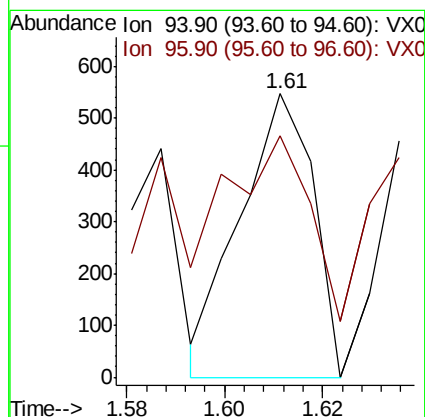
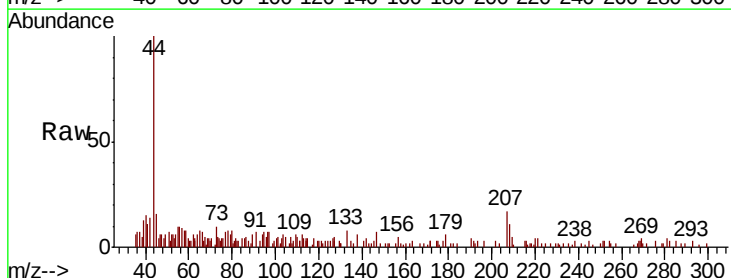
Instrument :
MSVOA_X
ClientSampleID :

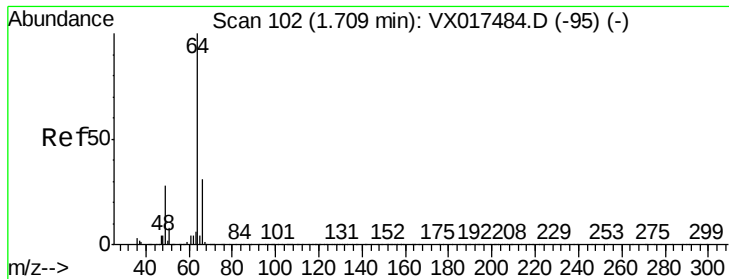
Tot Ion: 50 Resp: 594
Ion Ratio Lower Upper
50 100
52 0.2 25.9 38.9#



#5
Bromomethane
Concen: Below Cal
RT: 1.61 min Scan# 86
Delta R.T. -0.01 min
Lab File: VX017583.D
Acq: 25 Jul 2020 09:56

Tgt Ion: 94 Resp: 564
Ion Ratio Lower Upper
94 100
96 65.6 74.1 111.1#





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX017583.D

Acq: 25 Jul 2020 09:56

Instrument :

MSVOA_X

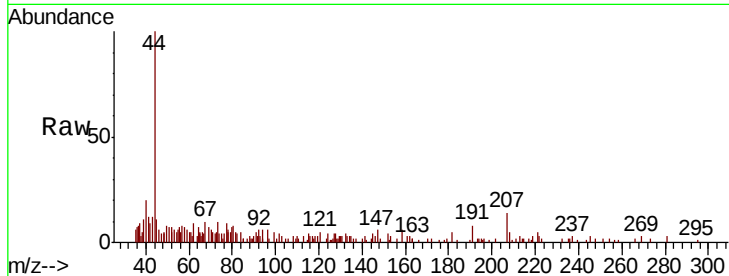
ClientSampled :

Tot Ion: 64 Resp: 251

Ion Ratio Lower Upper

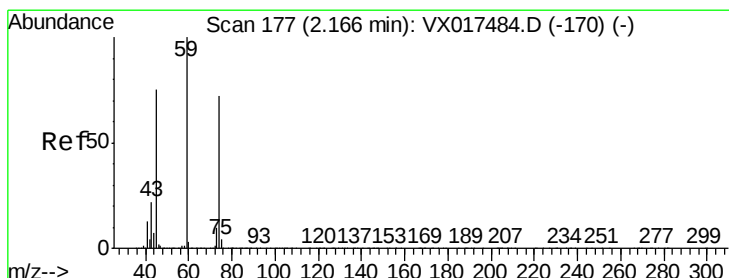
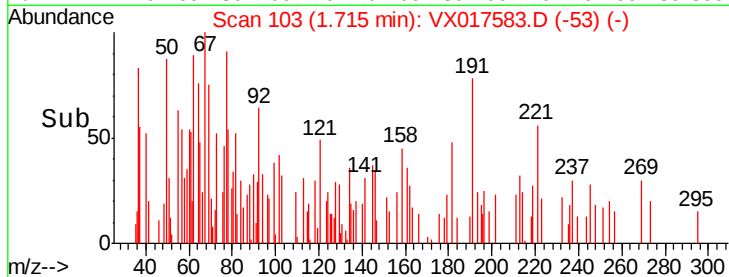
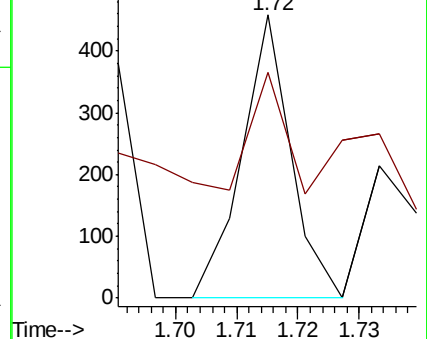
64 100

66 38.9 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: 2.28 min Scan# 196

Delta R.T. 0.12 min

Lab File: VX017583.D

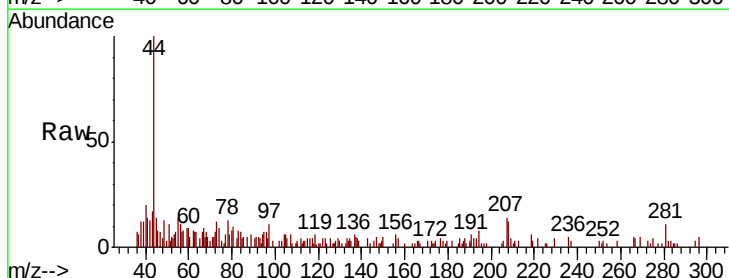
Acq: 25 Jul 2020 09:56

Tgt Ion: 74 Resp: 228

Ion Ratio Lower Upper

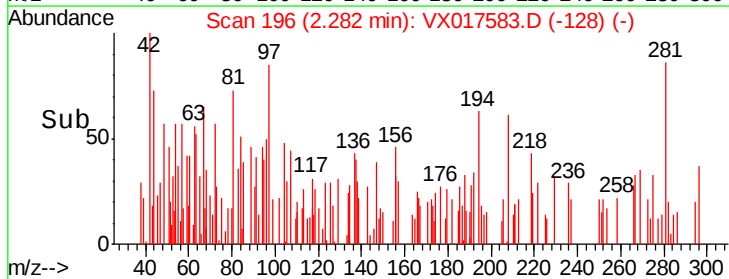
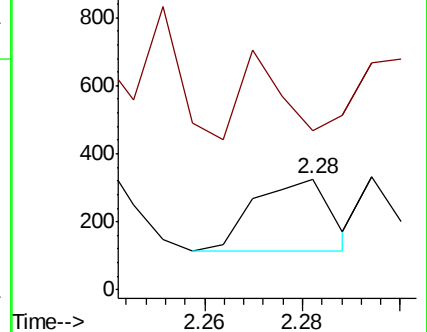
74 100

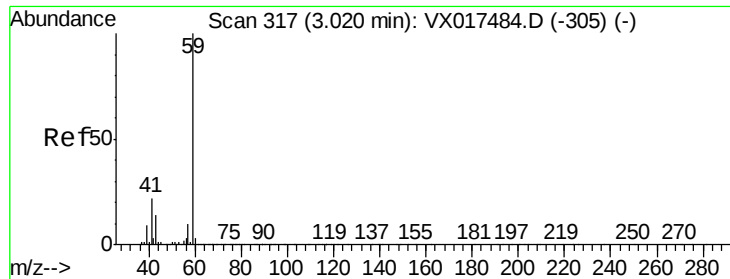
45 66.7 50.8 152.5



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



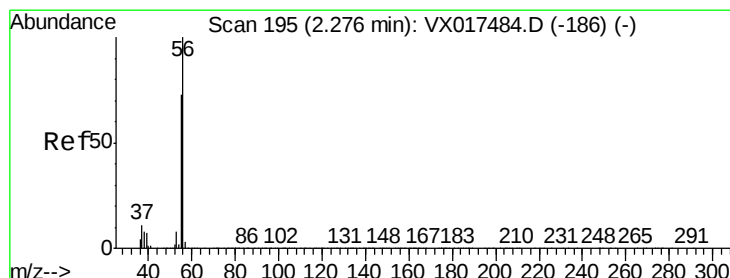
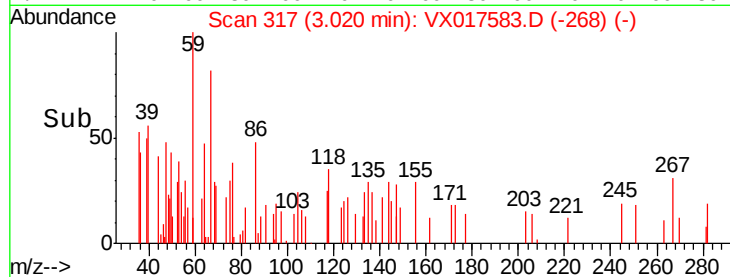
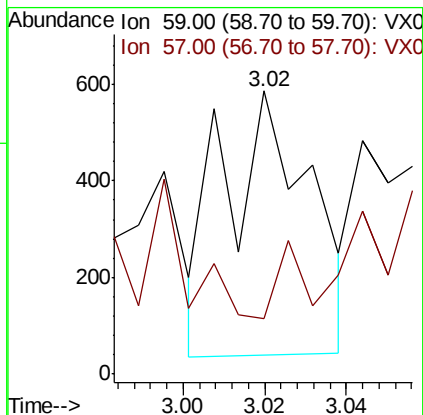
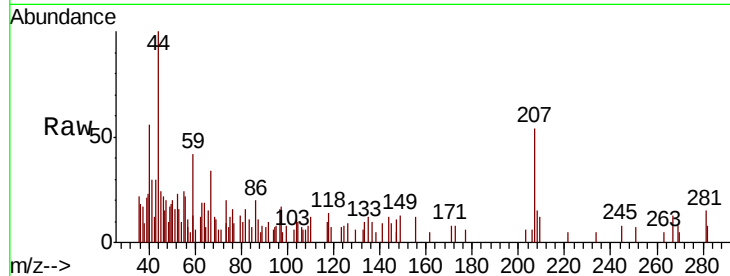


#11

Tert butyl alcohol
 Concen: 0.718 ug/l
 RT: 3.02 min Scan# 317
 Delta R.T. -0.00 min
 Lab File: VX017583.D
 Acq: 25 Jul 2020 09:56

Instrument :
 MSVOA_X
 ClientSampled :

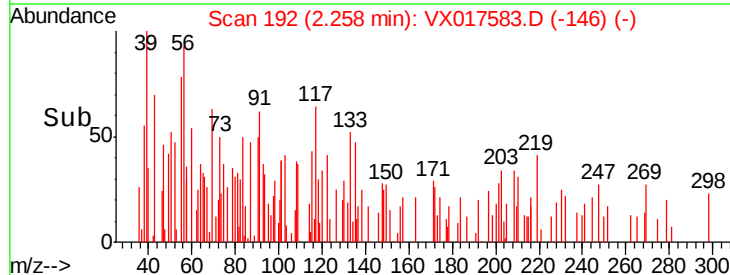
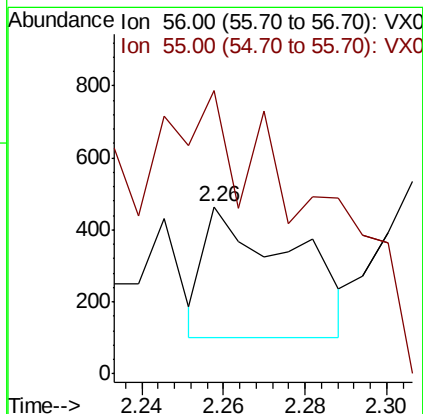
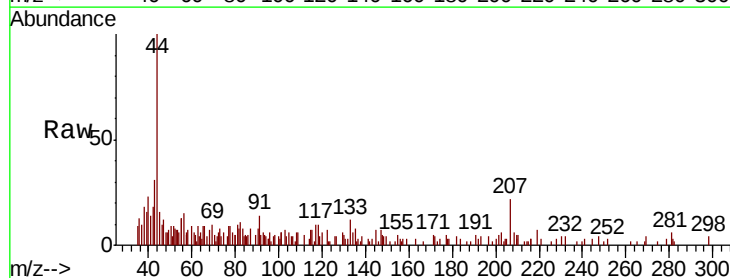
Tot Ion: 59 Resp: 811
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

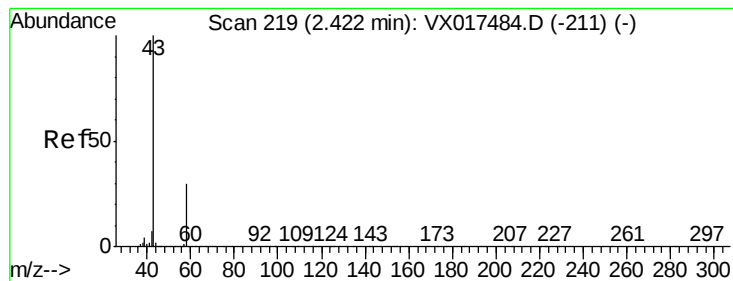


#13

Acrolein
 Concen: 4.770 ug/l
 RT: 2.26 min Scan# 192
 Delta R.T. -0.02 min
 Lab File: VX017583.D
 Acq: 25 Jul 2020 09:56

Tgt Ion: 56 Resp: 545
 Ion Ratio Lower Upper
 56 100
 55 438.7 57.4 86.2#





#16

Acetone

Concen: 16.126 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017583.D

Acq: 25 Jul 2020 09:56

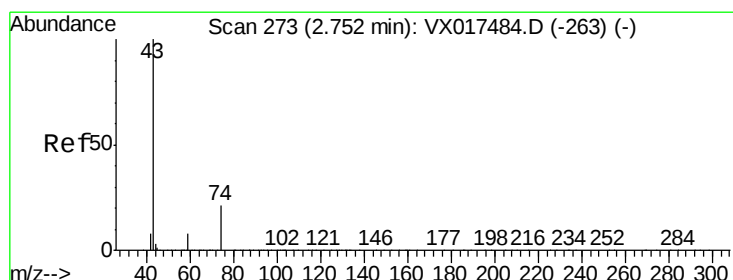
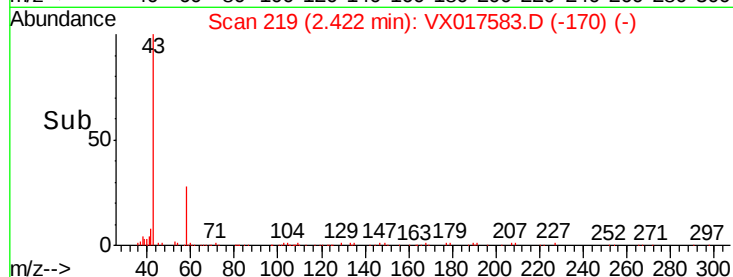
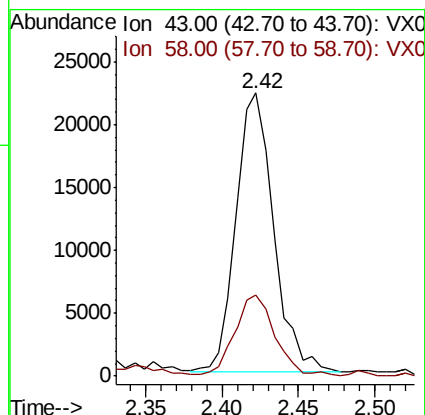
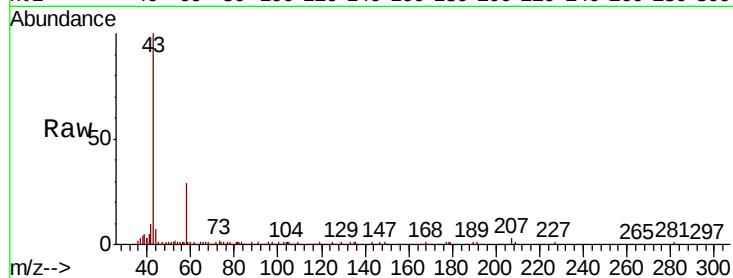
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 38054

Ion Ratio Lower Upper

43 100

58 28.6 24.2 36.4



#18

Methyl Acetate

Concen: 1.687 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX017583.D

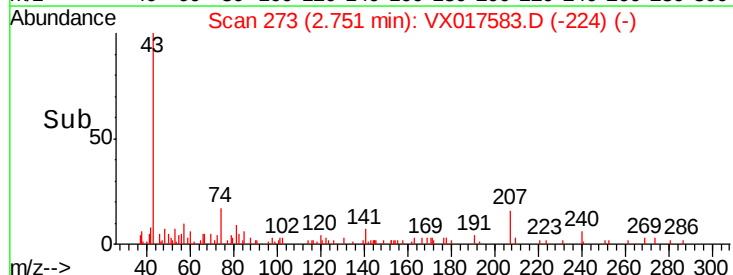
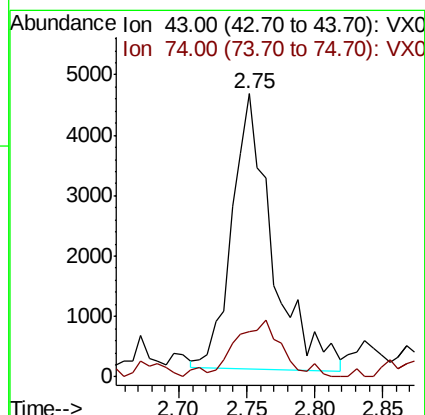
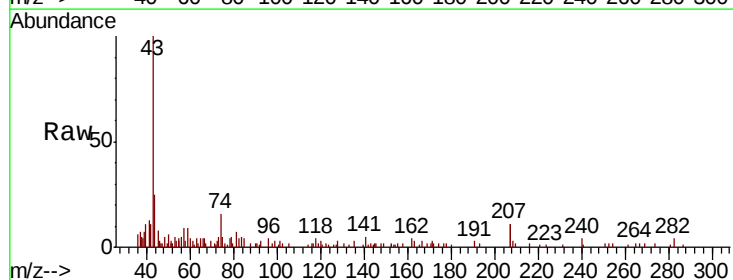
Acq: 25 Jul 2020 09:56

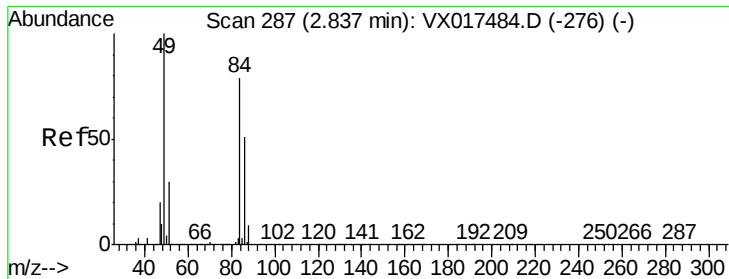
Tgt Ion: 43 Resp: 9374

Ion Ratio Lower Upper

43 100

74 23.9 17.5 26.3

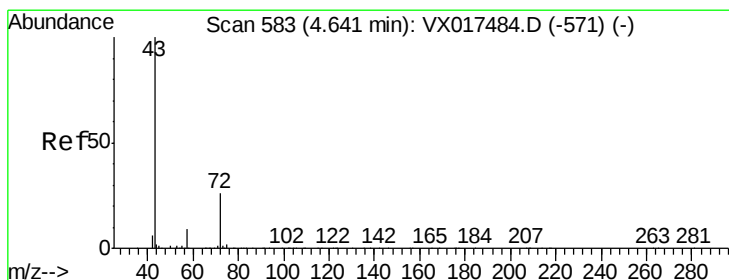
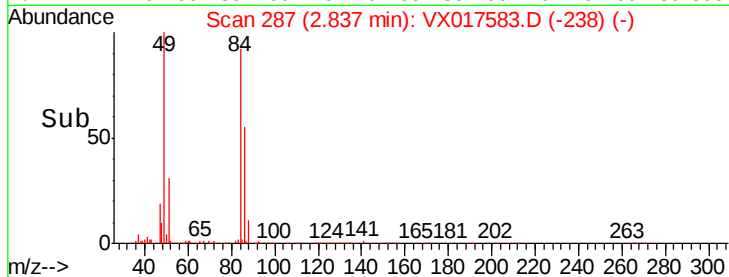
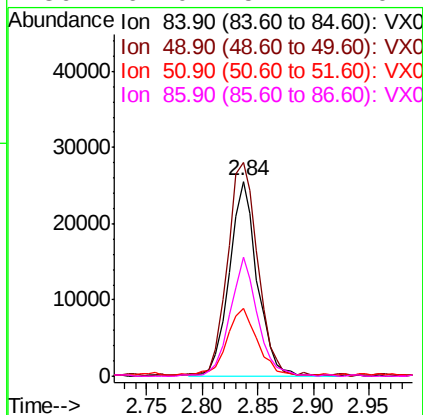
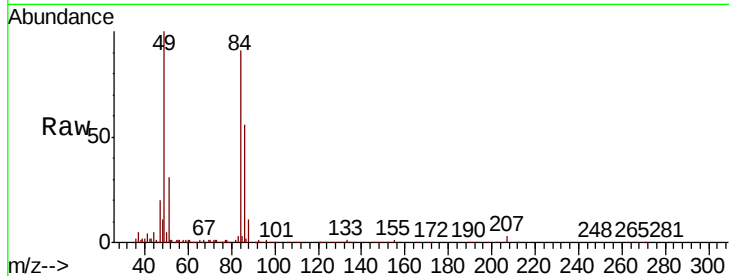




#20
Methvlene Chloride
Concen: 8.950 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017583.D
Acq: 25 Jul 2020 09:56

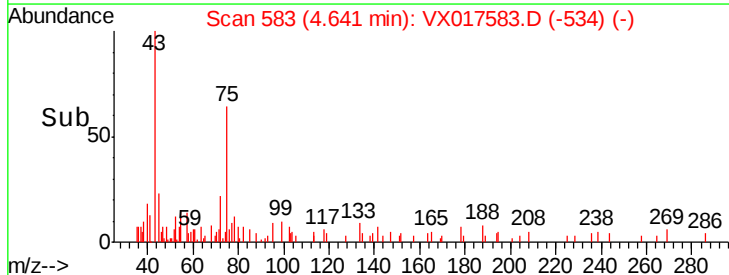
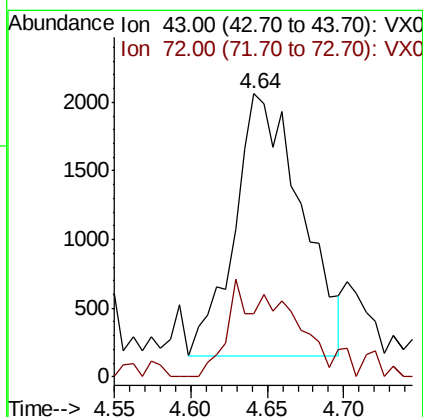
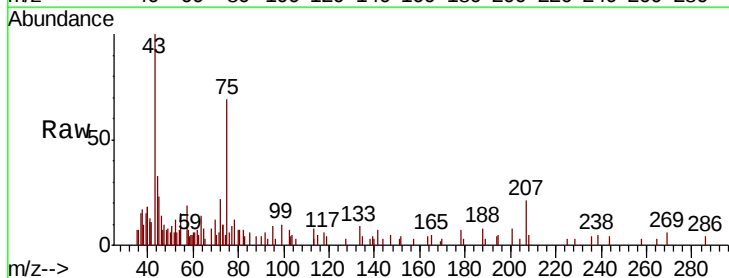
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MSVOA_X
ClientSampleId :

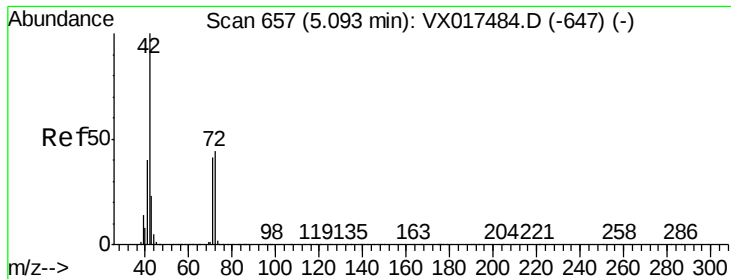
Tot Ion: 84 Resp: 44463
Ion Ratio Lower Upper
84 100
49 109.0 100.3 150.5
51 33.9 30.5 45.7
86 61.0 51.1 76.7



#25
2-Butanone
Concen: 1.721 ug/l
RT: 4.64 min Scan# 583
Delta R.T. -0.00 min
Lab File: VX017583.D
Acq: 25 Jul 2020 09:56

Tgt Ion: 43 Resp: 5768
Ion Ratio Lower Upper
43 100
72 23.9 19.0 28.4





#29

Tetrahydrofuran

Concen: 0.954 ug/l

RT: 5.09 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX017583.D

Acq: 25 Jul 2020 09:56

Instrument :

MSVOA_X

ClientSampled :

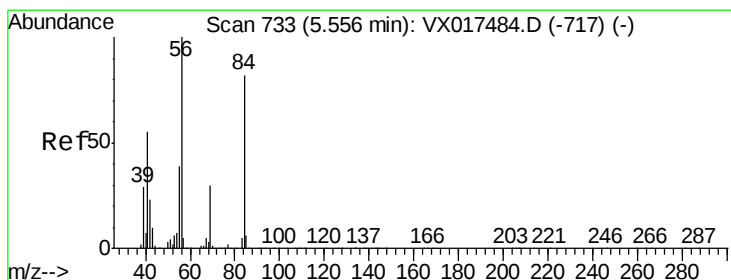
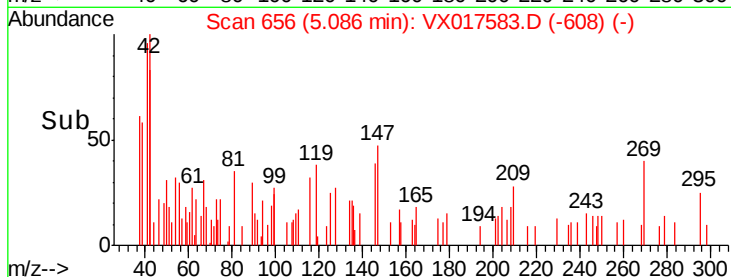
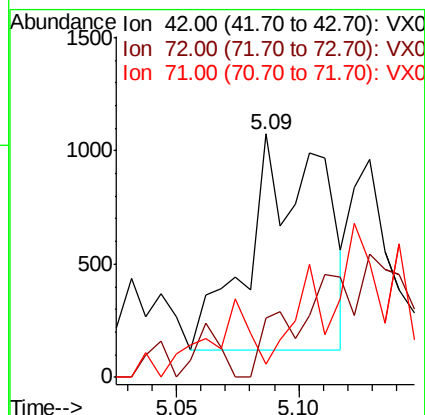
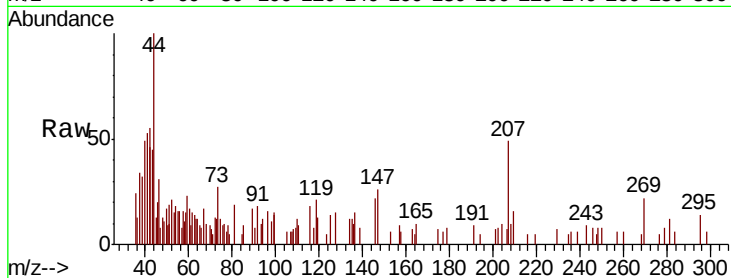
Tot Ion: 42 Resp: 1982

Ion Ratio Lower Upper

42 100

72 13.4 35.5 53.3#

71 0.0 33.0 49.4#



#31

Cyclohexane

Concen: 0.688 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.07 min

Lab File: VX017583.D

Acq: 25 Jul 2020 09:56

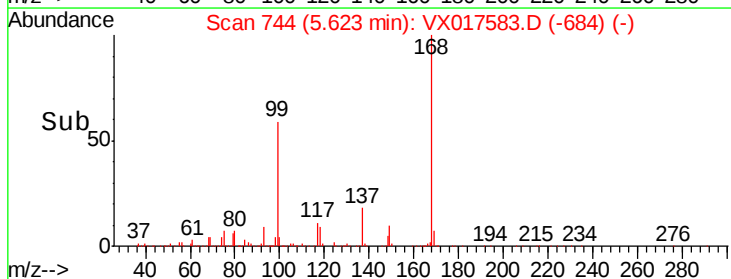
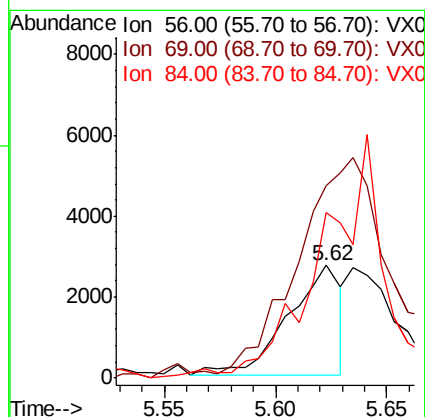
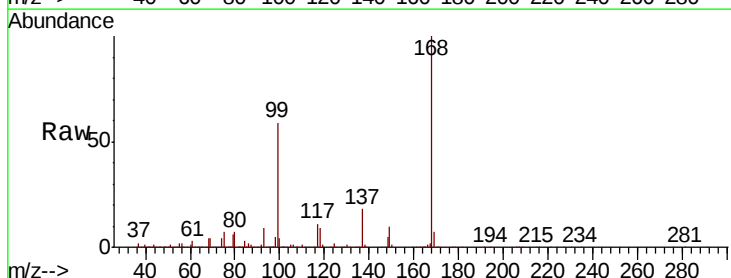
Tgt Ion: 56 Resp: 4550

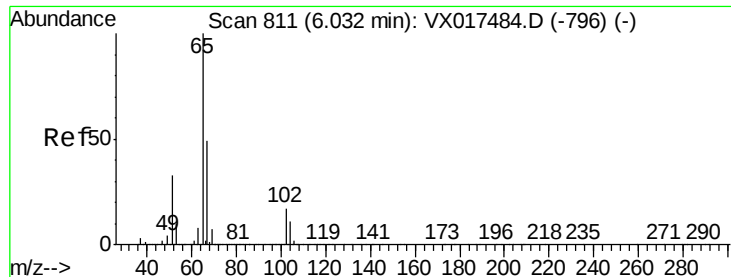
Ion Ratio Lower Upper

56 100

69 170.1 24.2 36.4#

84 145.6 69.0 103.6#

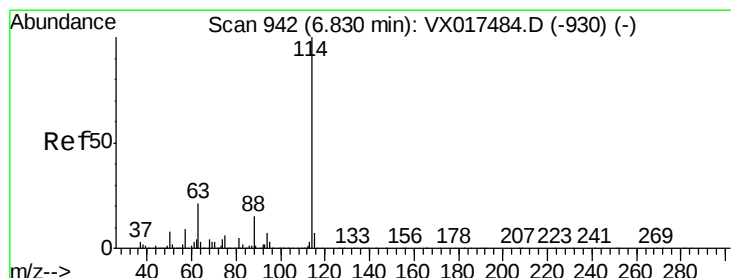
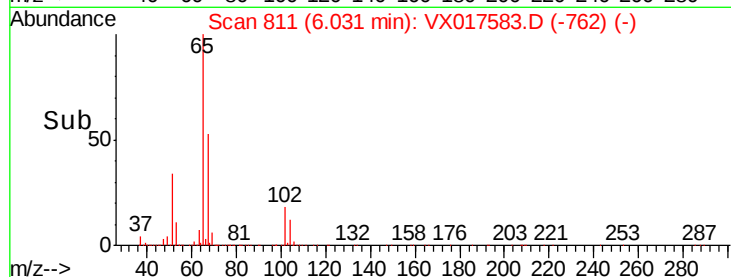
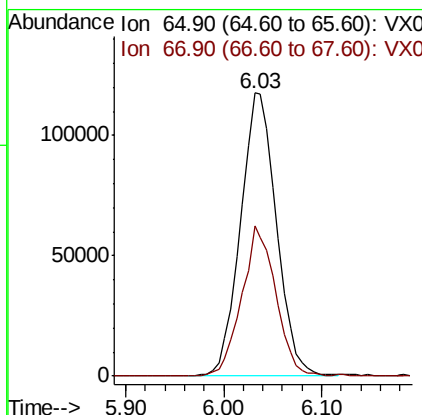
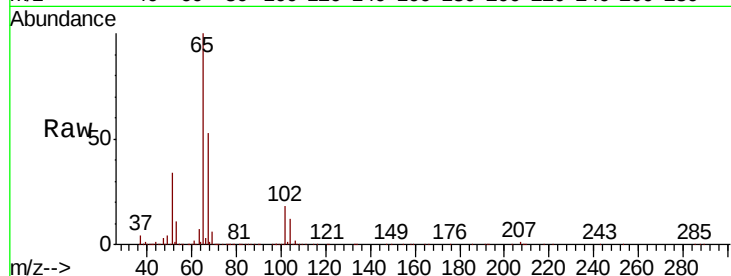




#33
 1,2-Dichloroethane-d4
 Concen: 56.052 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017583.D
 Acq: 25 Jul 2020 09:56

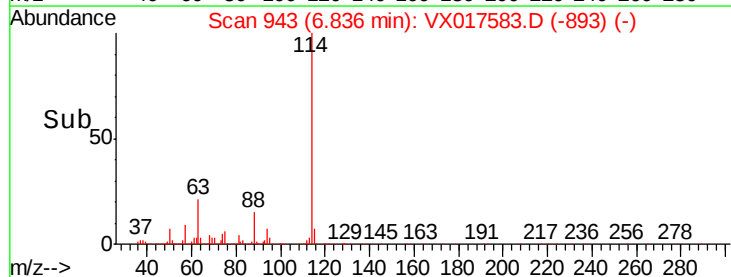
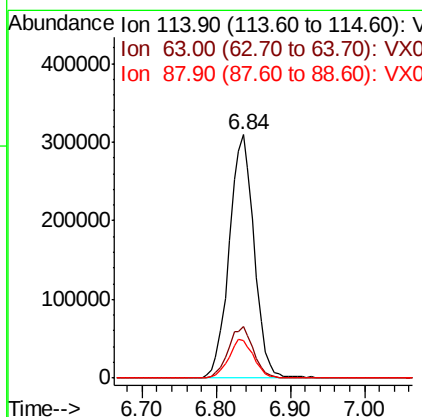
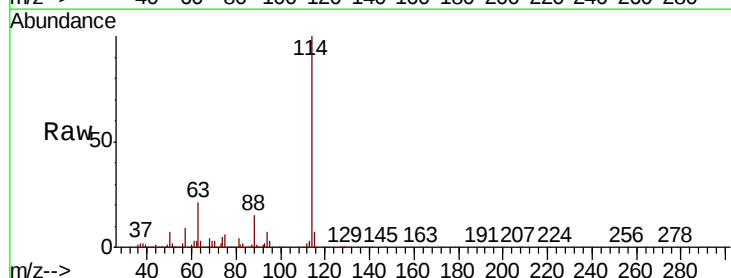
Instrument :
 MSVOA_X
 ClientSampled :

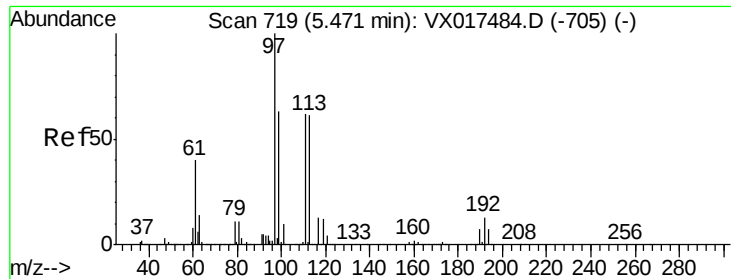
Tot Ion: 65 Resp: 300522
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX017583.D
 Acq: 25 Jul 2020 09:56

Tgt Ion: 114 Resp: 723517
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 40.6
 88 15.3 0.0 33.4

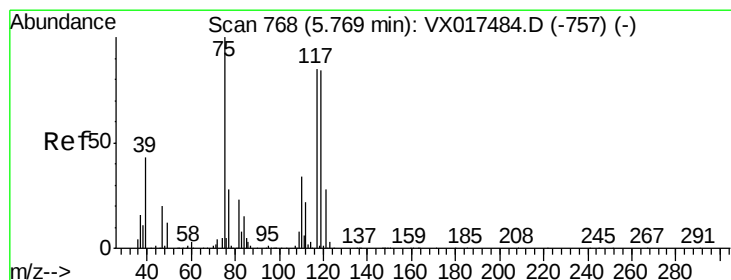
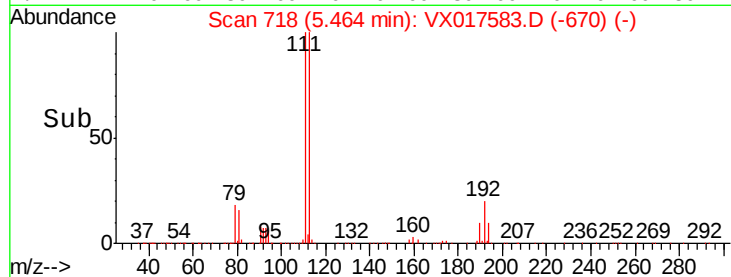
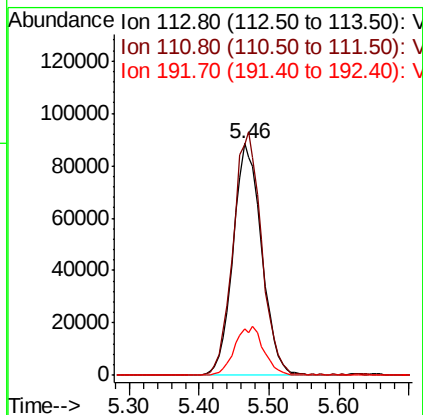
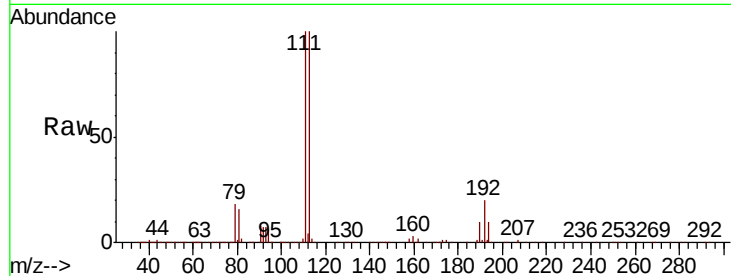




#35
 Dibromofluoromethane
 Concen: 51.871 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX017583.D
 Acq: 25 Jul 2020 09:56

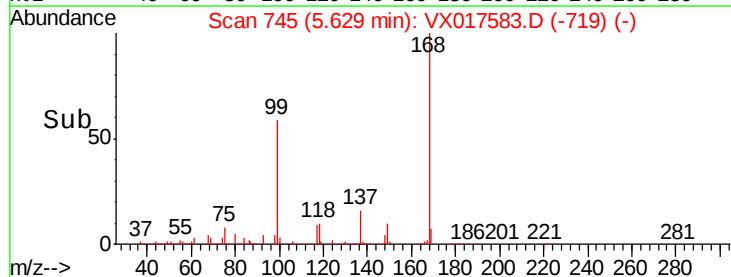
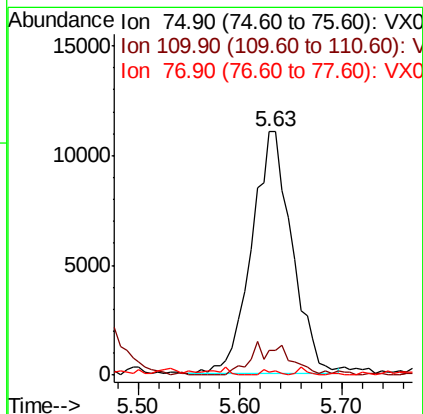
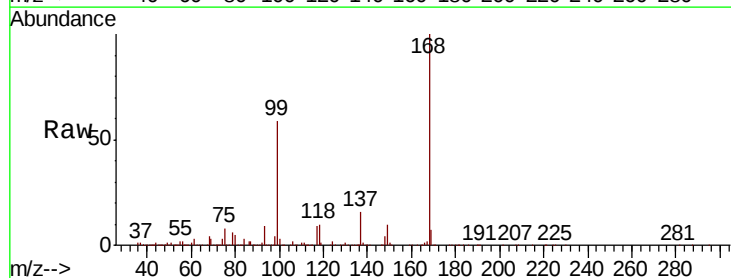
Instrument :
 MSVOA_X
 ClientSampleId :

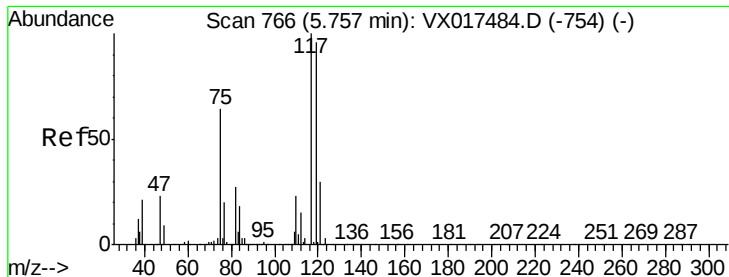
Tot Ion:113 Resp: 251000
 Ion Ratio Lower Upper
 113 100
 111 104.8 80.7 121.1
 192 21.5 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 4.374 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017583.D
 Acq: 25 Jul 2020 09:56

Tgt Ion: 75 Resp: 30350
 Ion Ratio Lower Upper
 75 100
 110 4.9 18.1 54.3#
 77 0.7 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.084 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017583.D

Acq: 25 Jul 2020 09:56

Instrument :

MSVOA_X

ClientSampleId :

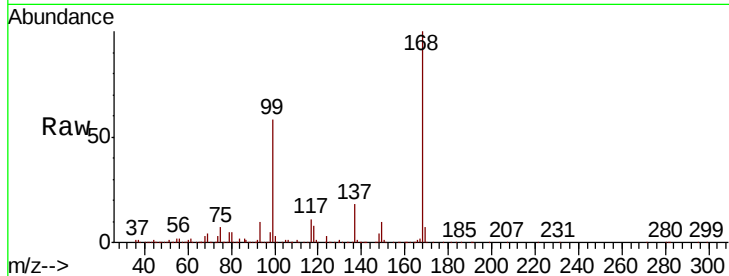
Tot Ion:117 Resp: 42842

Ion Ratio Lower Upper

117 100

119 6.2 75.4 113.0#

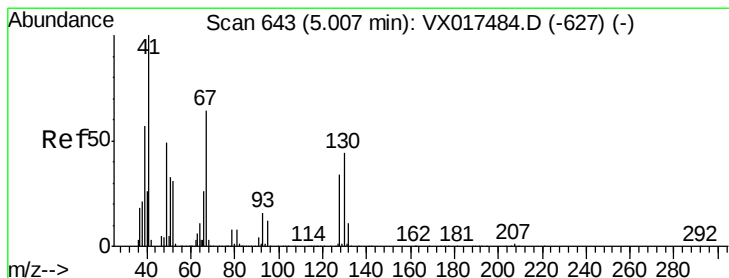
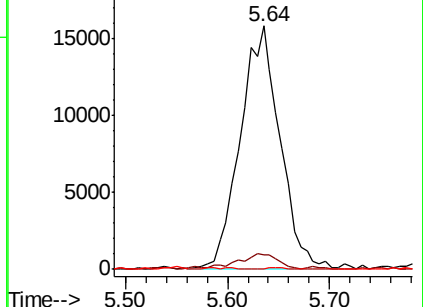
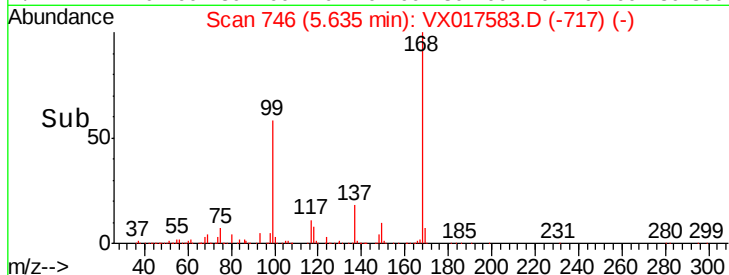
121 0.0 24.3 36.5#



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



#41

Methacrylonitrile

Concen: 0.221 ug/l

RT: 5.04 min Scan# 648

Delta R.T. 0.03 min

Lab File: VX017583.D

Acq: 25 Jul 2020 09:56

Tgt Ion: 41 Resp: 961

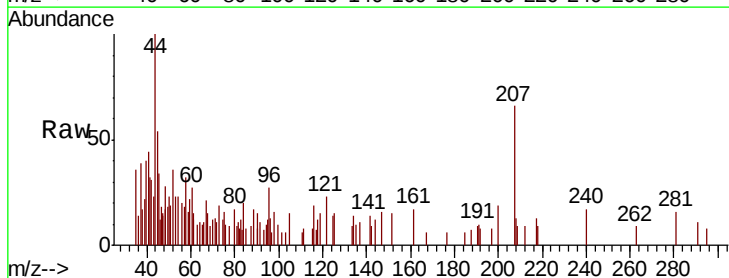
Ion Ratio Lower Upper

41 100

39 60.5 43.9 65.9

67 34.1 54.0 81.0#

52 35.9 23.0 34.6#

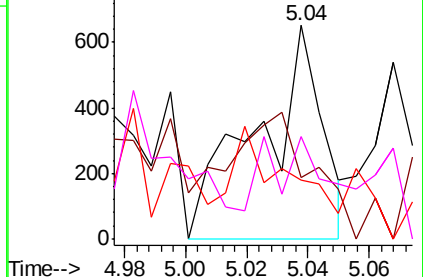
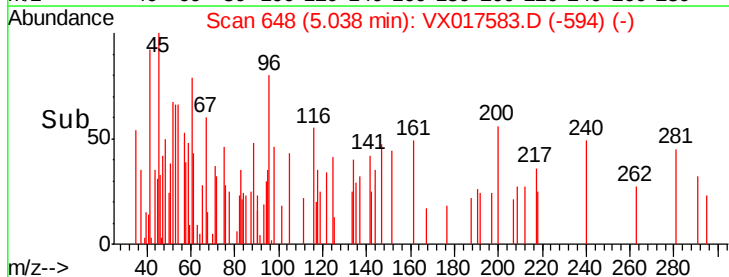


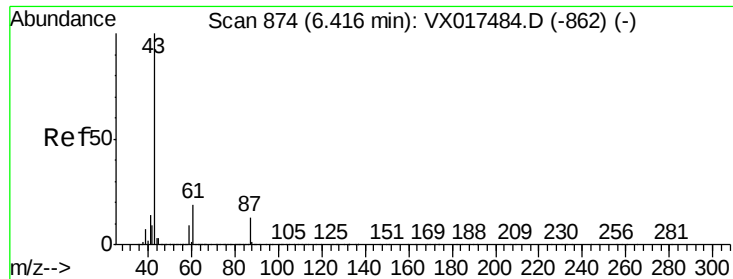
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



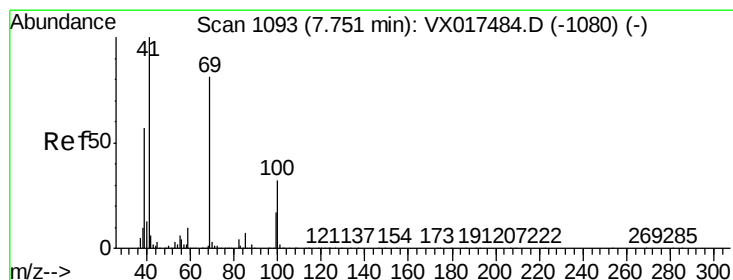
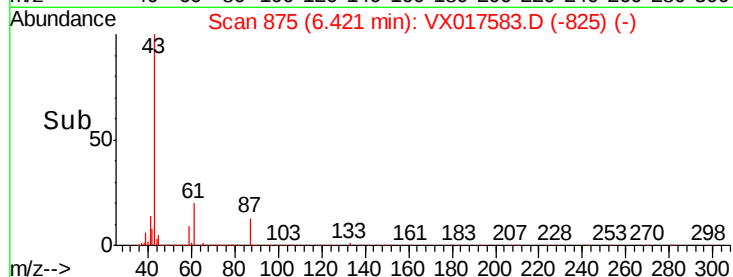
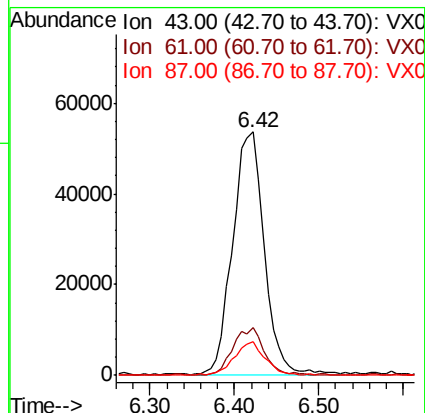
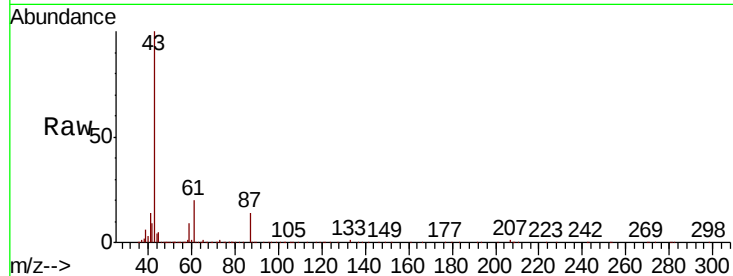


#43

Isopropyl Acetate
 Concen: 10.747 ug/l
 RT: 6.42 min Scan# 875
 Delta R.T. 0.01 min
 Lab File: VX017583.D
 Acq: 25 Jul 2020 09:56

Instrument :
 MSVOA_X
 ClientSampleId :

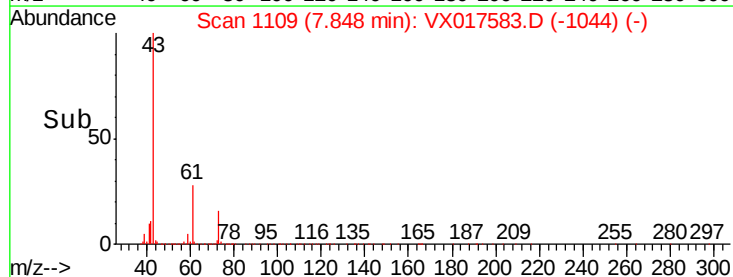
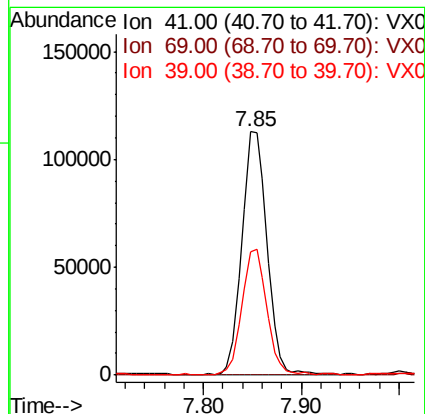
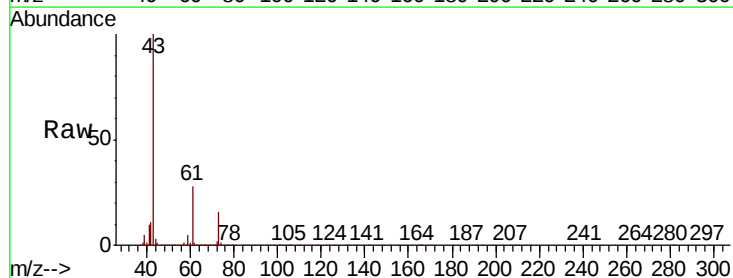
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.5	23.3
87	13.2	10.5	15.7

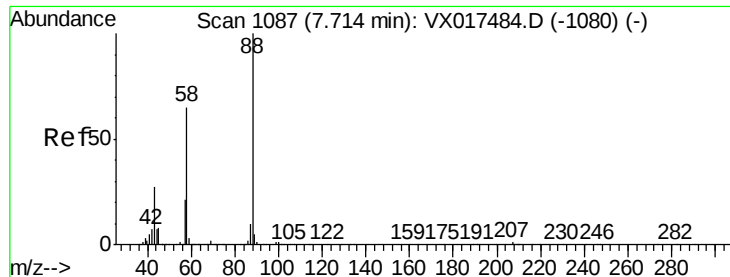


#48

Methyl methacrylate
 Concen: 32.371 ug/l
 RT: 7.85 min Scan# 1109
 Delta R.T. 0.10 min
 Lab File: VX017583.D
 Acq: 25 Jul 2020 09:56

Tgt Ion	Ratio	Lower	Upper
41	100		
69	0.5	63.1	94.7#
39	52.5	45.1	67.7

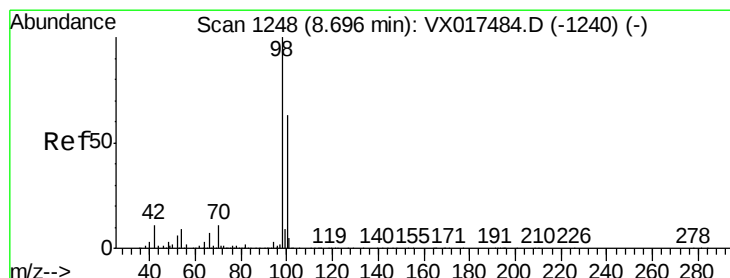
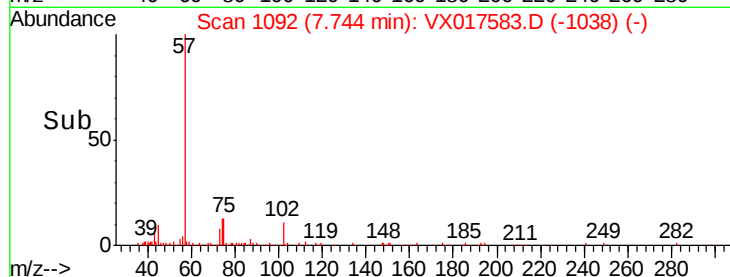
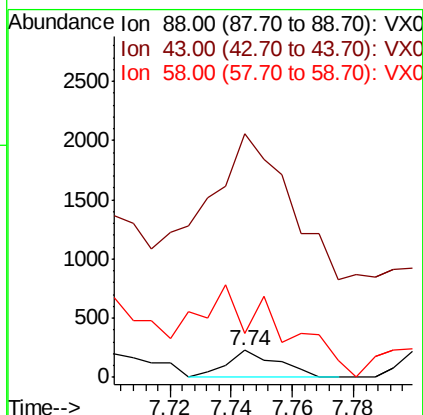
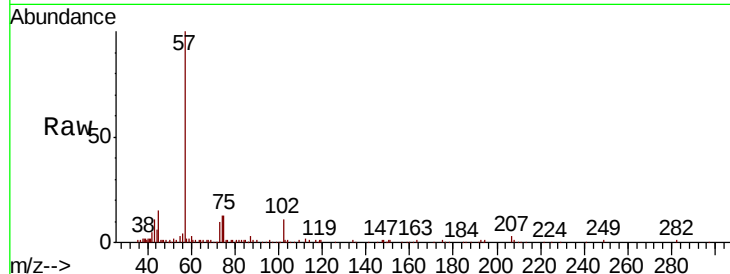




#49
1,4-Dioxane
Concen: 2.209 ug/l
RT: 7.74 min Scan# 1092
Delta R.T. 0.03 min
Lab File: VX017583.D
Acq: 25 Jul 2020 09:56

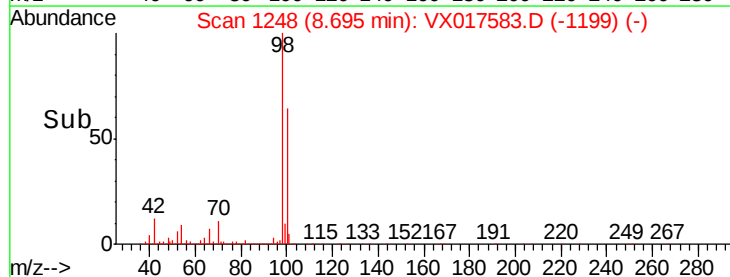
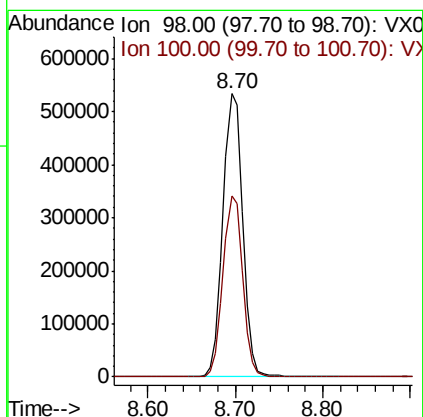
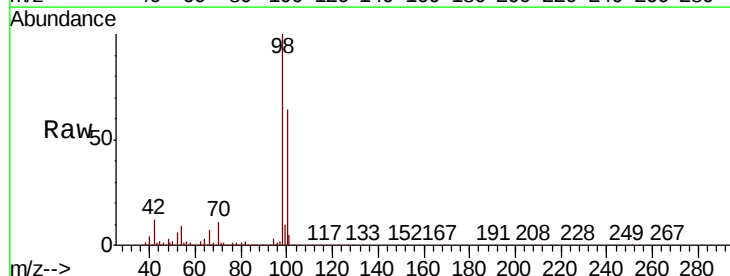
Instrument :
MSVOA_X
ClientSampled :

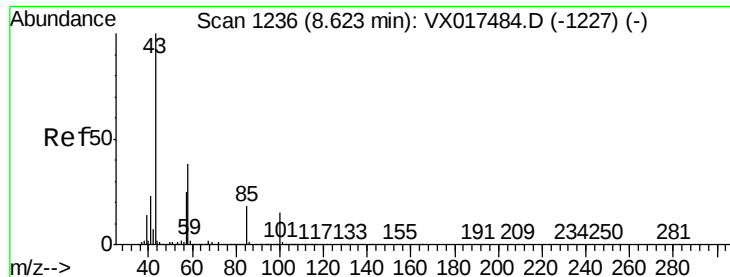
Tot Ion: 88 Resp: 263
Ion Ratio Lower Upper
88 100
43 0.0 27.8 41.6#
58 567.7 58.3 87.5#



#50
Toluene-d8
Concen: 47.987 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017583.D
Acq: 25 Jul 2020 09:56

Tgt Ion: 98 Resp: 837675
Ion Ratio Lower Upper
98 100
100 63.7 52.3 78.5

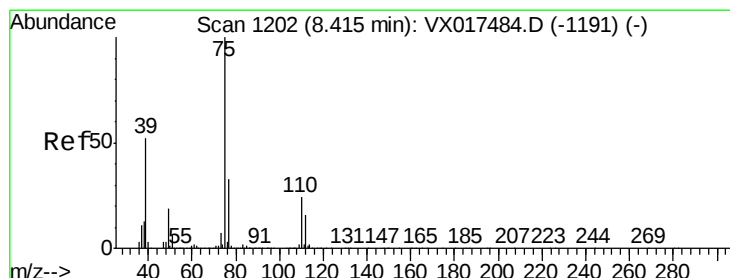
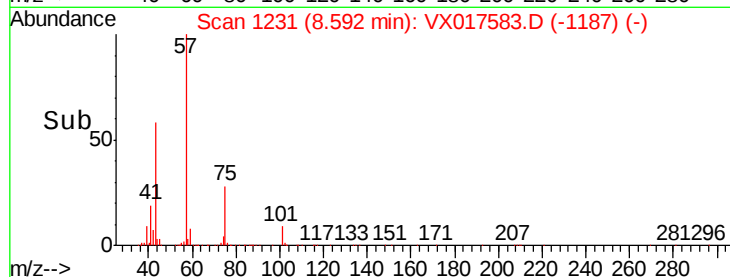
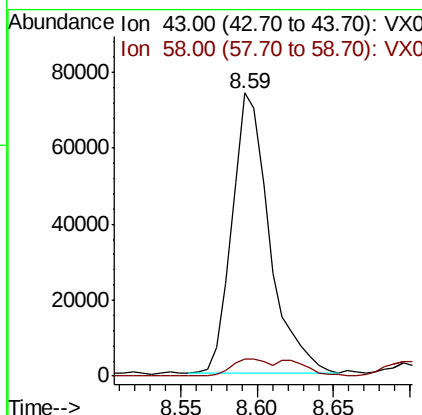
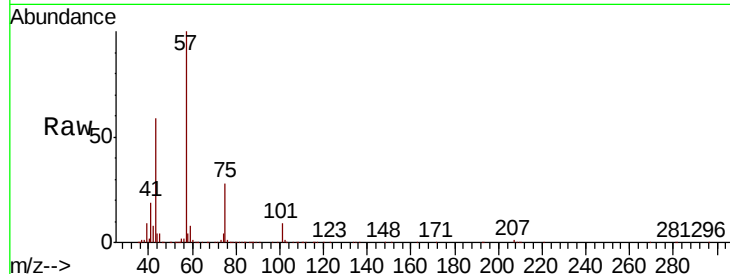




#51
 4-Methyl-2-Pentanone
 Concen: 16.799 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. -0.03 min
 Lab File: VX017583.D
 Acq: 25 Jul 2020 09:56

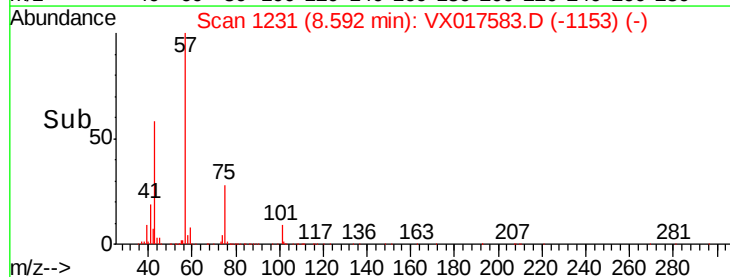
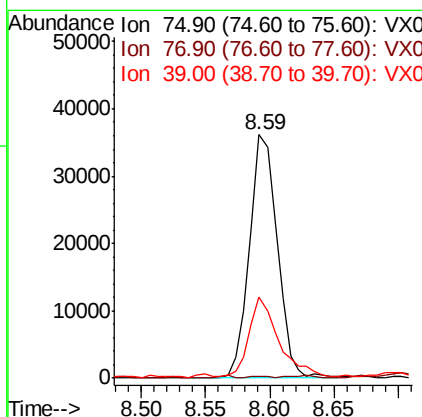
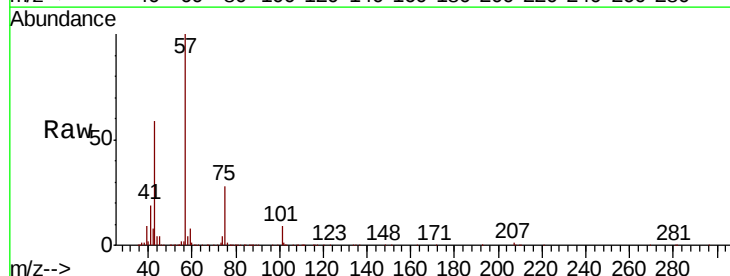
Instrument :
 MSVOA_X
 ClientSampleId :

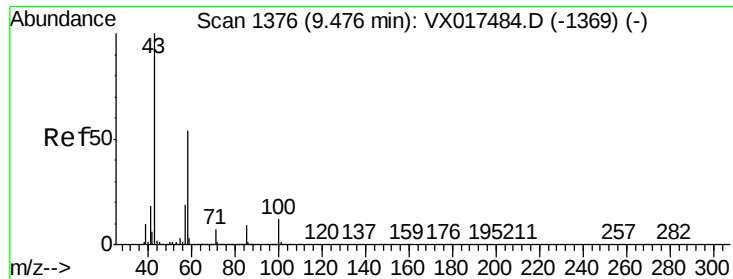
Tot Ion: 43 Resp: 125561
 Ion Ratio Lower Upper
 43 100
 58 6.2 31.0 46.4#



#54
 cis-1,3-Dichloropropene
 Concen: 6.035 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX017583.D
 Acq: 25 Jul 2020 09:56

Tgt Ion: 75 Resp: 54039
 Ion Ratio Lower Upper
 75 100
 77 0.9 25.5 38.3#
 39 32.7 41.8 62.8#

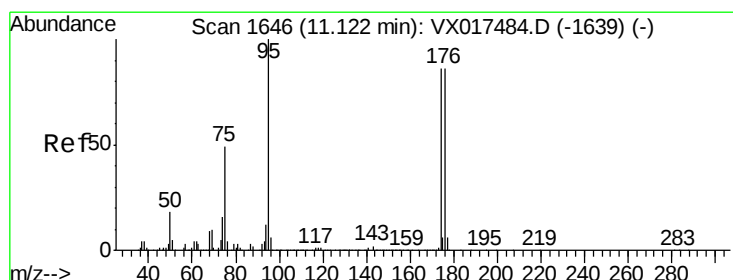
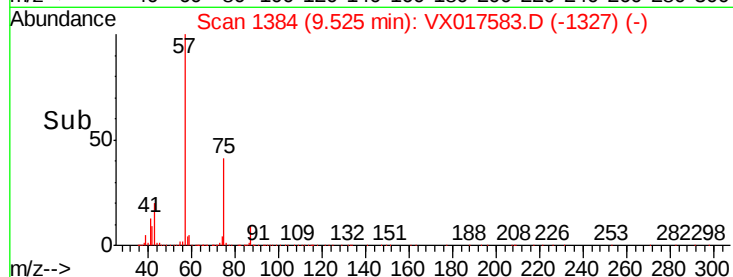
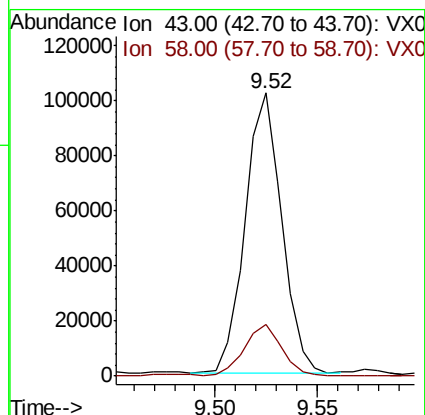
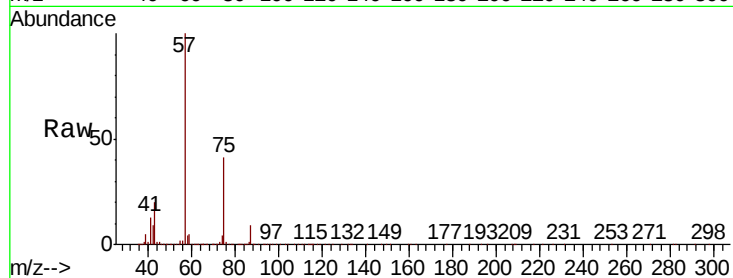




#59
2-Hexanone
Concen: 22.477 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX017583.D
Acq: 25 Jul 2020 09:56

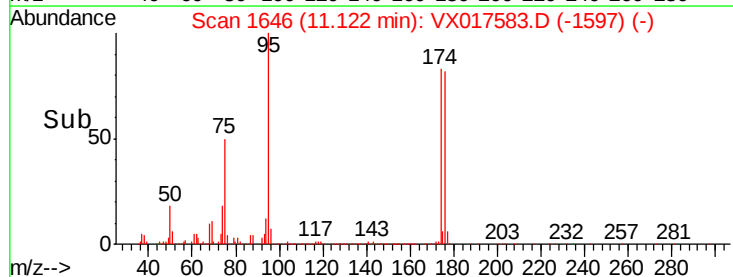
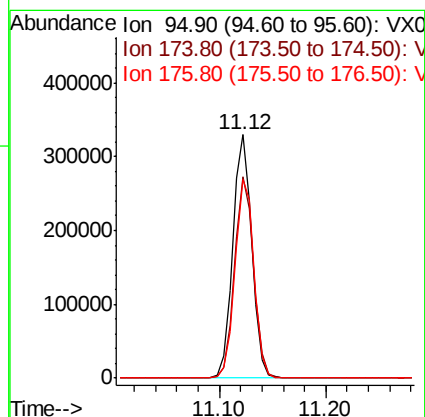
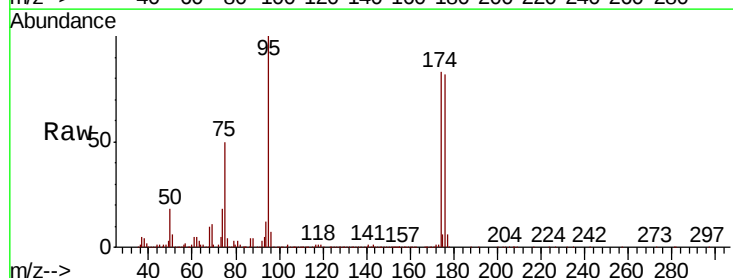
Instrument :
MSVOA_X
ClientSampleId :

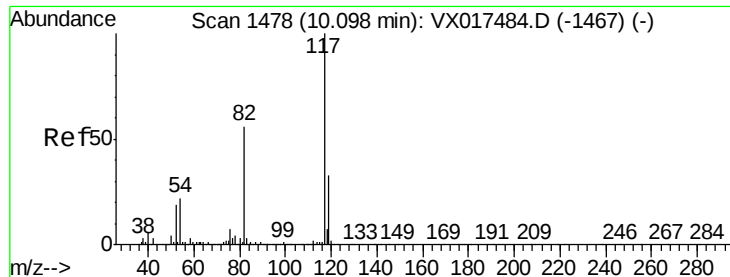
Tot Ion: 43 Resp: 126487
Ion Ratio Lower Upper
43 100
58 19.1 26.6 79.8#



#62
4-Bromofluorobenzene
Concen: 59.153 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017583.D
Acq: 25 Jul 2020 09:56

Tgt Ion: 95 Resp: 413244
Ion Ratio Lower Upper
95 100
174 82.8 0.0 169.0
176 81.5 0.0 161.0

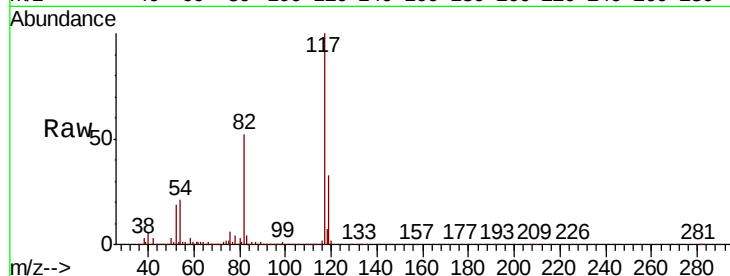




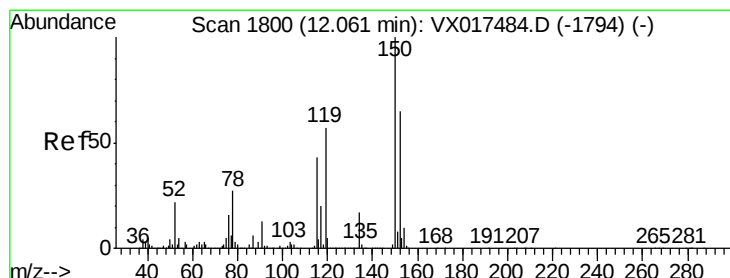
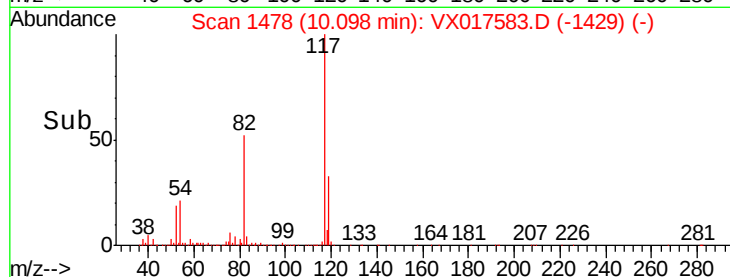
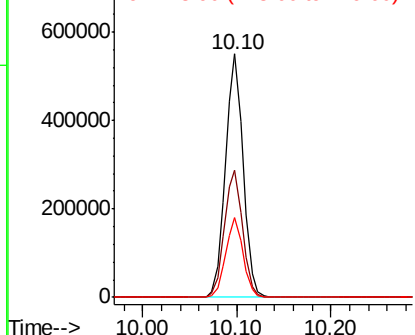
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017583.D
Acq: 25 Jul 2020 09:56

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	44.0	66.0
119	32.8	25.4	38.0

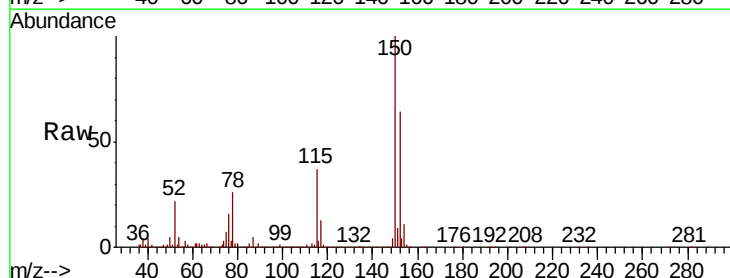


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

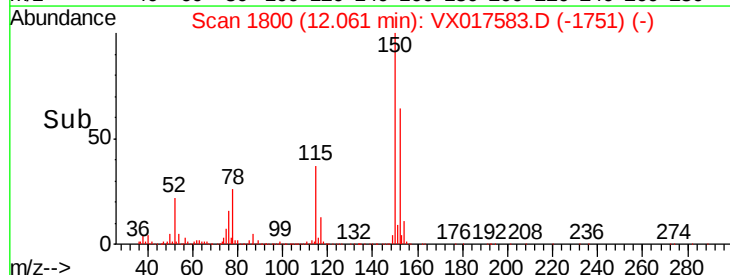
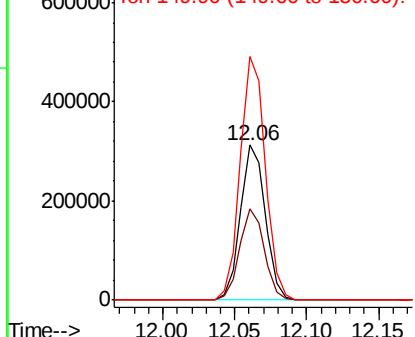


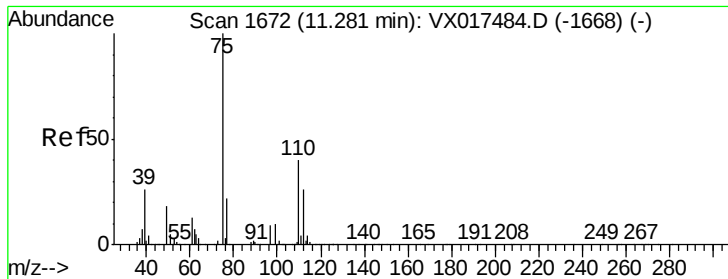
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017583.D
Acq: 25 Jul 2020 09:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	65.5	196.6#
150	158.5	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: 27.437 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017583.D

Acq: 25 Jul 2020 09:56

Instrument :

MSVOA_X

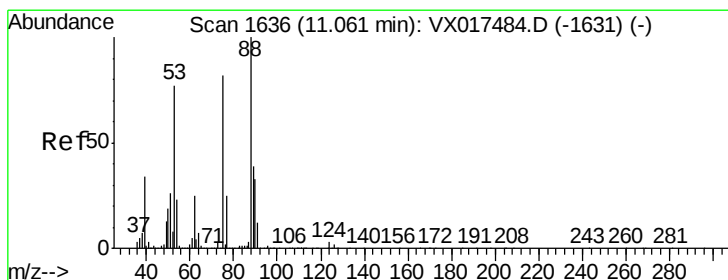
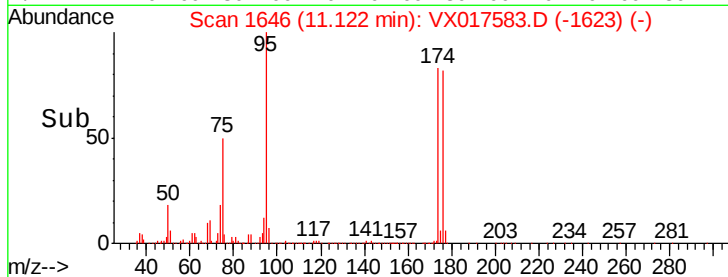
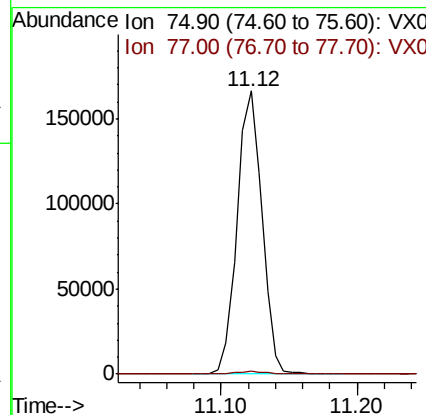
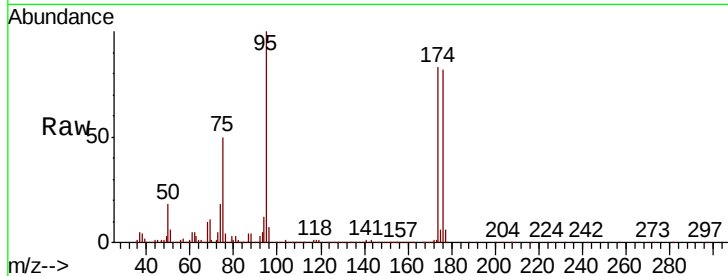
ClientSampleId :

Tot Ion: 75 Resp: 211995

Ion Ratio Lower Upper

75 100

77 1.3 21.8 65.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.135 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017583.D

Acq: 25 Jul 2020 09:56

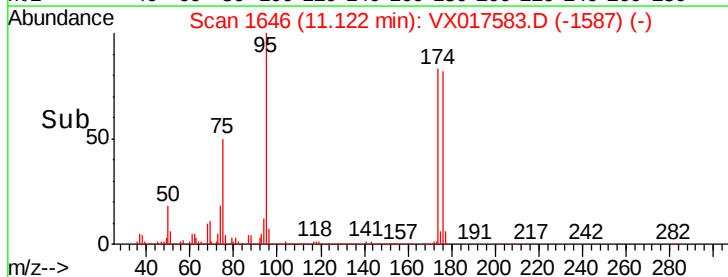
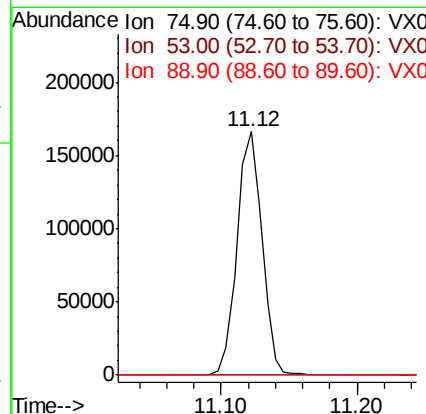
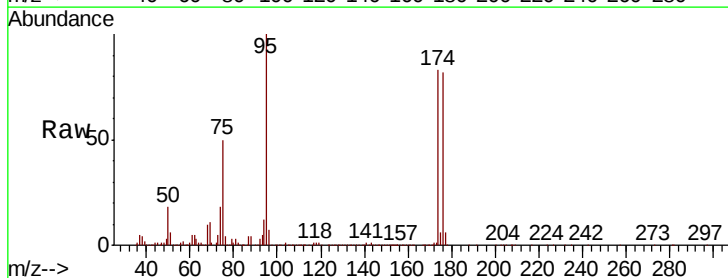
Tgt Ion: 75 Resp: 211995

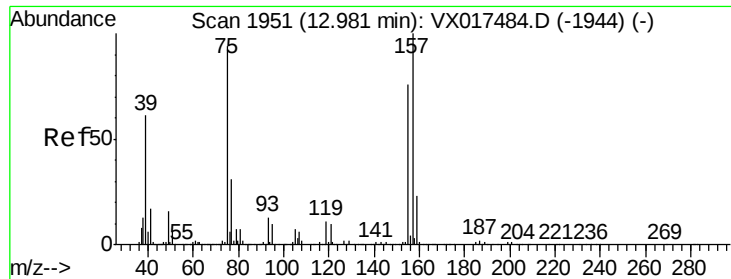
Ion Ratio Lower Upper

75 100

53 0.3 75.9 113.9#

89 0.0 37.8 56.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.771 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX017583.D

Acq: 25 Jul 2020 09:56

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 466

Ion Ratio Lower Upper

75 100

155 15.7 42.3 126.8#

157 22.1 54.3 162.9#

