

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081721\
 Data File : VX023788.D
 Acq On : 18 Aug 2021 01:54
 Operator : JC/MD
 Sample : M3424-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 19S

Quant Time: Aug 18 07:02:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

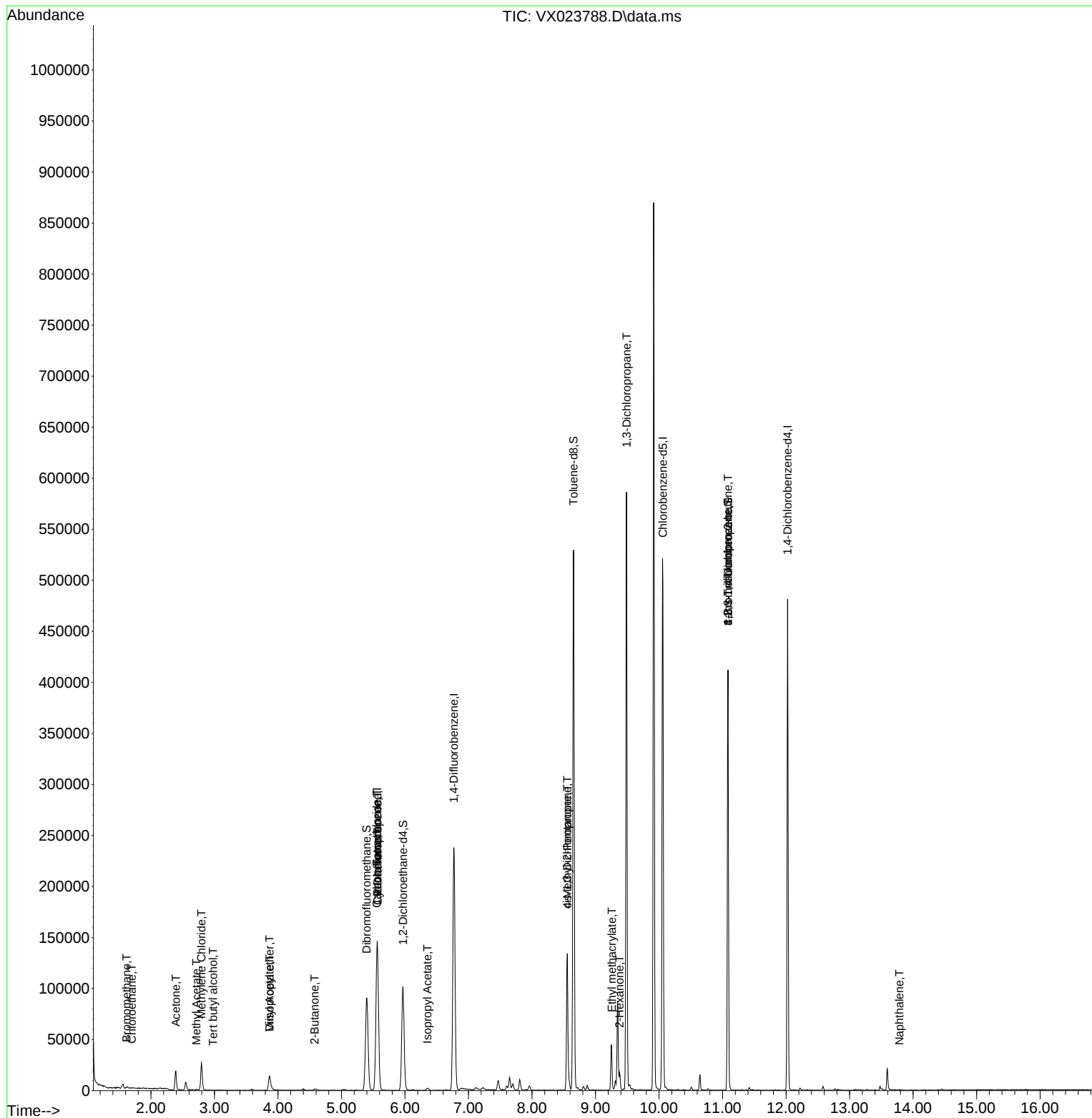
Internal Standards						
1) Pentafluorobenzene	5.562	168	137102	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	237800	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	231715	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90998	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	99005	51.740	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.480%	
35) Dibromofluoromethane	5.397	113	78045	49.586	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.180%	
50) Toluene-d8	8.653	98	300605	50.180	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.360%	
62) 4-Bromofluorobenzene	11.085	95	100620	45.627	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 91.260%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	487	0.500	ug/l #	67
6) Chloroethane	1.697	64	68	2.268	ug/l #	43
11) Tert butyl alcohol	2.977	59	84	0.217	ug/l #	73
16) Acetone	2.392	43	20042	23.425	ug/l	95
18) Methyl Acetate	2.715	43	808	0.378	ug/l #	77
20) Methylene Chloride	2.794	84	11507	7.041	ug/l #	90
22) Diisopropyl ether	3.867	45	1052	0.218	ug/l #	1
23) Vinyl Acetate	3.867	43	2546	0.652	ug/l #	68
25) 2-Butanone	4.574	43	2301	1.776	ug/l	97
31) Cyclohexane	5.568	56	3289	1.338	ug/l #	44
36) 1,1-Dichloropropene	5.568	75	10886	4.943	ug/l #	50
38) Carbon Tetrachloride	5.556	117	14154	6.164	ug/l #	17
43) Isopropyl Acetate	6.355	43	2719	0.642	ug/l #	88
51) 4-Methyl-2-Pentanone	8.555	43	48082	17.567	ug/l #	42
54) cis-1,3-Dichloropropene	8.555	75	19480	7.385	ug/l #	72
56) Ethyl methacrylate	9.256	69	273	0.850	ug/l #	1
57) 1,3-Dichloropropane	9.488	76	4404	1.528	ug/l #	42
59) 2-Hexanone	9.378	43	9697	4.609	ug/l #	19
76) 1,2,3-Trichloropropane	11.085	75	54408	25.631	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	54408	75.395	ug/l #	12
95) Naphthalene	13.786	128	249	1.319	ug/l #	69

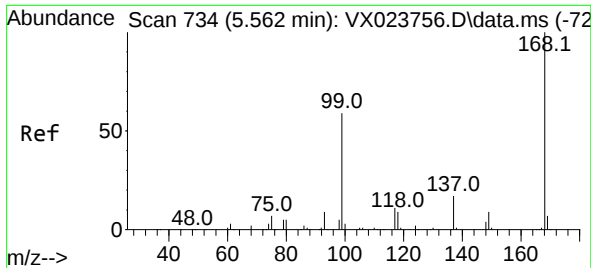
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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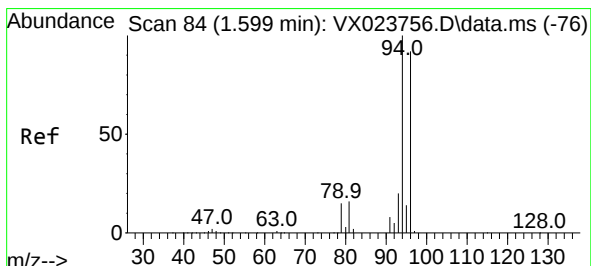
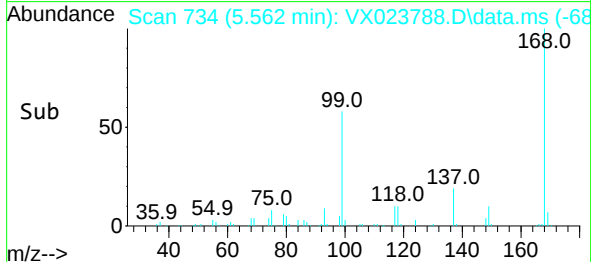
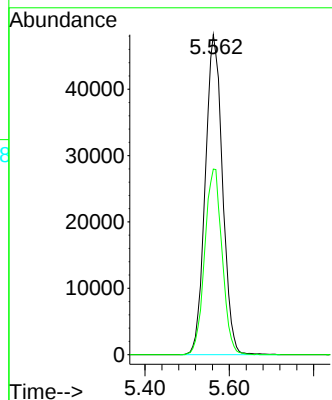
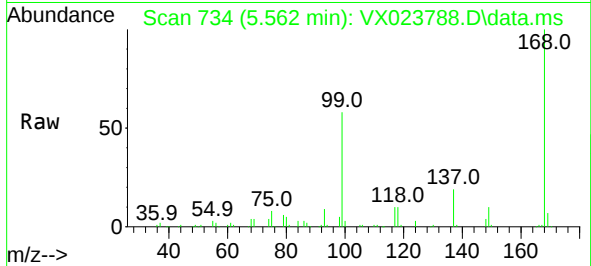




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023788.D
Acq: 18 Aug 2021 01:54

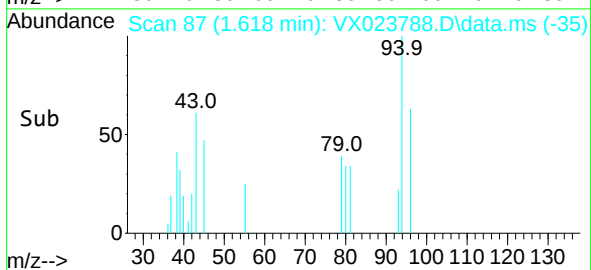
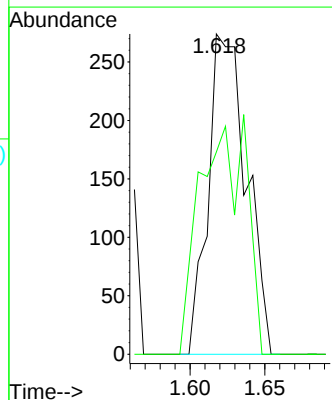
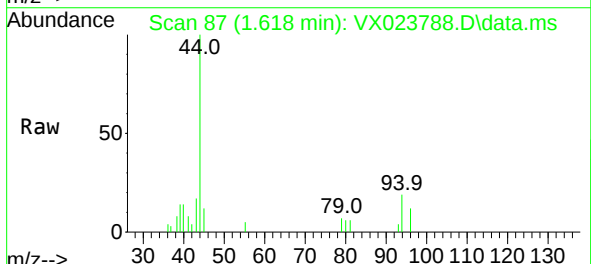
Instrument :
MSVOA_X
ClientSampled :
19S

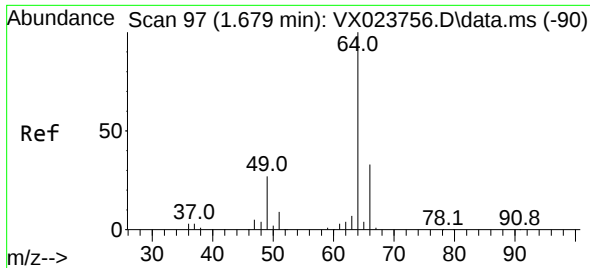
Tgt Ion:168 Resp: 137102
Ion Ratio Lower Upper
168 100
99 58.0 45.8 68.6



#5
Bromomethane
Concen: 0.500 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX023788.D
Acq: 18 Aug 2021 01:54

Tgt Ion: 94 Resp: 487
Ion Ratio Lower Upper
94 100
96 63.1 76.4 114.6#

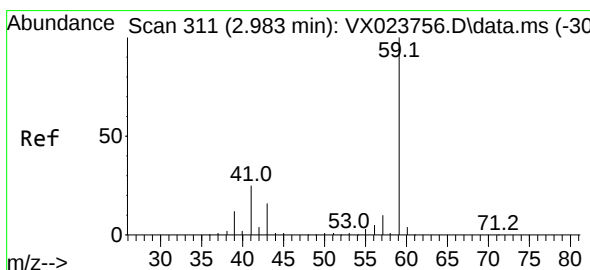
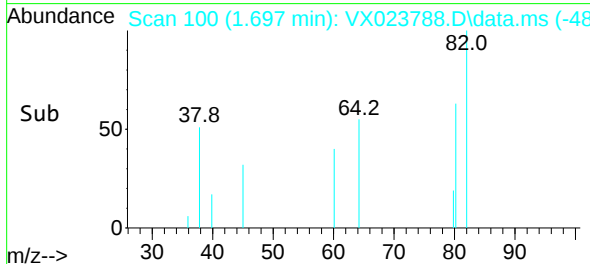
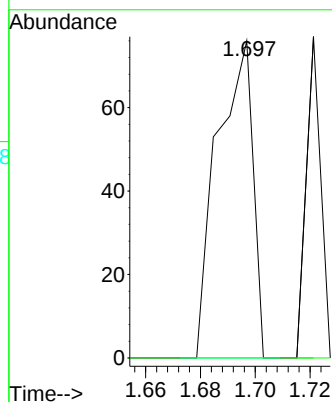
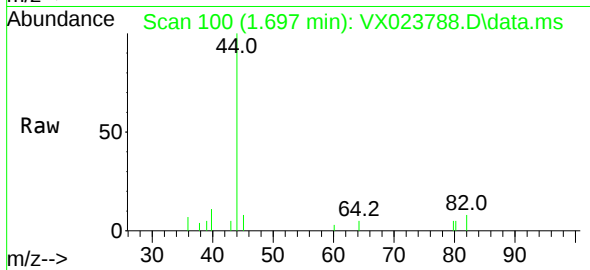




#6
Chloroethane
Concen: 2.268 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.018 min
Lab File: VX023788.D
Acq: 18 Aug 2021 01:54

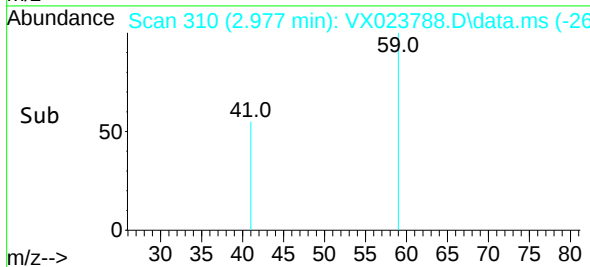
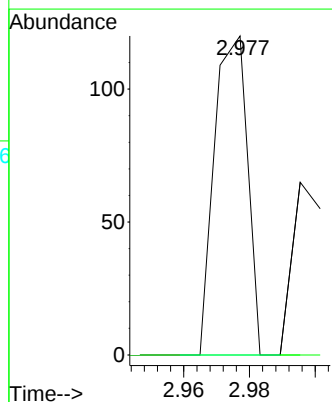
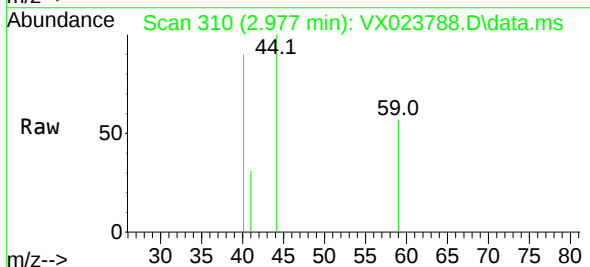
Instrument :
MSVOA_X
ClientSampled :
19S

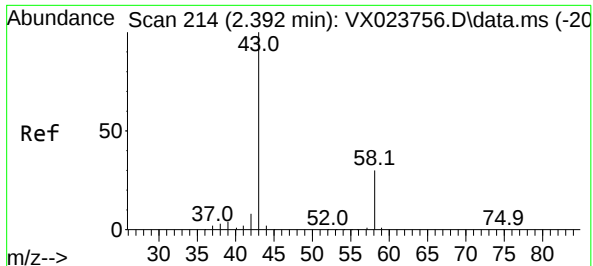
Tgt Ion: 64 Resp: 68
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 0.217 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX023788.D
Acq: 18 Aug 2021 01:54

Tgt Ion: 59 Resp: 84
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

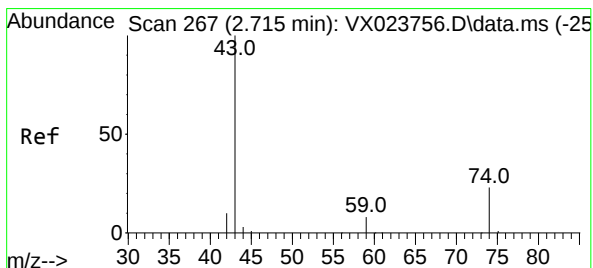
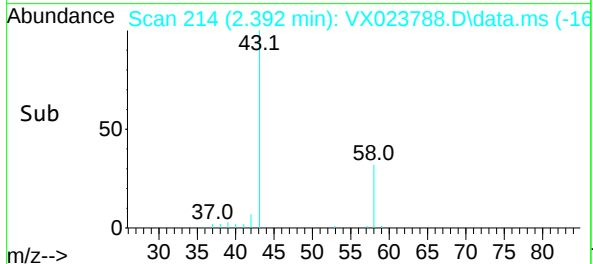
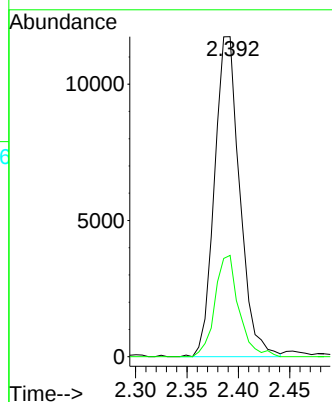
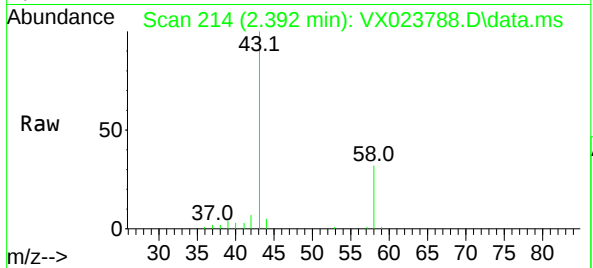




#16
Acetone
Concen: 23.425 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023788.D
Acq: 18 Aug 2021 01:54

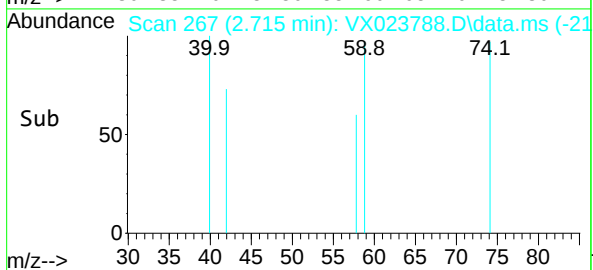
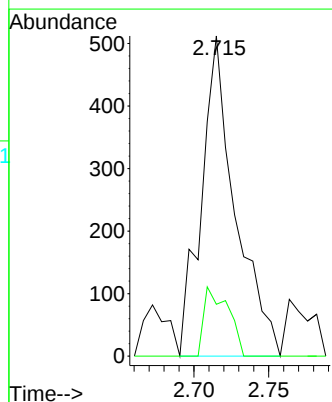
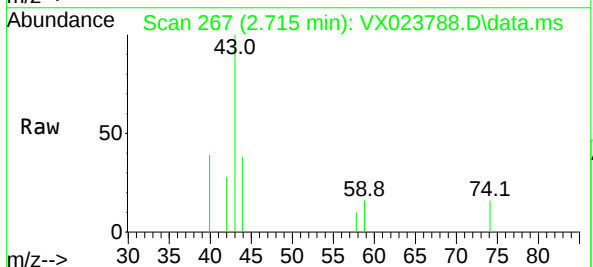
Instrument :
MSVOA_X
ClientSampled :
19S

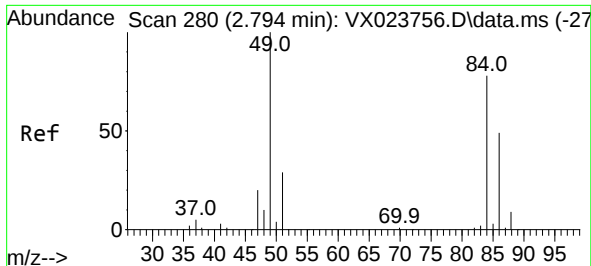
Tgt Ion: 43 Resp: 20042
Ion Ratio Lower Upper
43 100
58 31.7 27.8 41.8



#18
Methyl Acetate
Concen: 0.378 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX023788.D
Acq: 18 Aug 2021 01:54

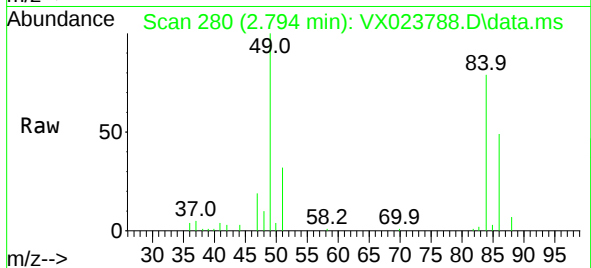
Tgt Ion: 43 Resp: 808
Ion Ratio Lower Upper
43 100
74 15.3 21.9 32.9#



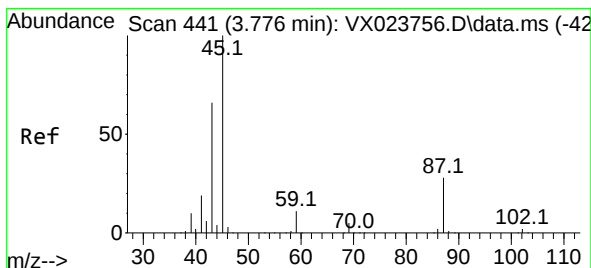
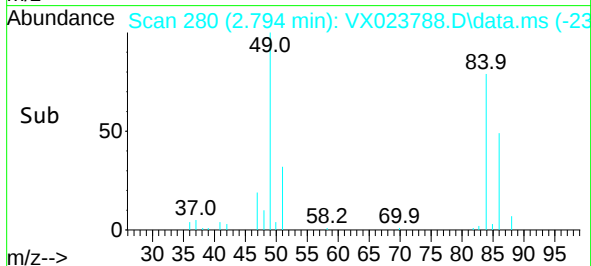
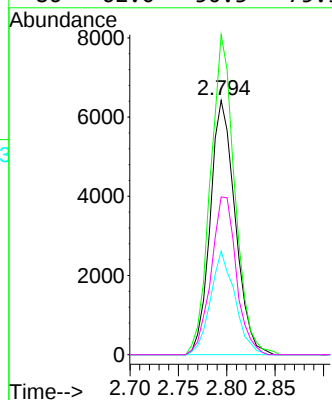


#20
Methylene Chloride
Concen: 7.041 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023788.D
Acq: 18 Aug 2021 01:54

Instrument :
MSVOA_X
ClientSampled :
19S

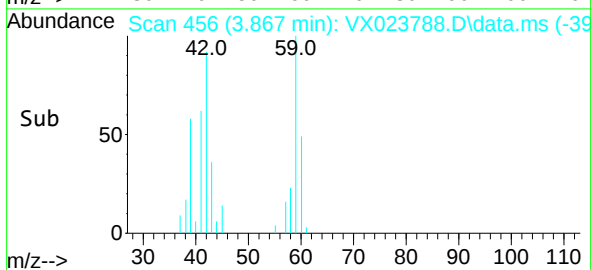
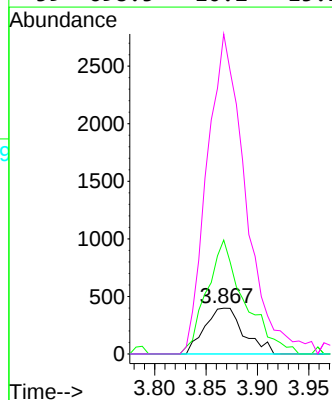
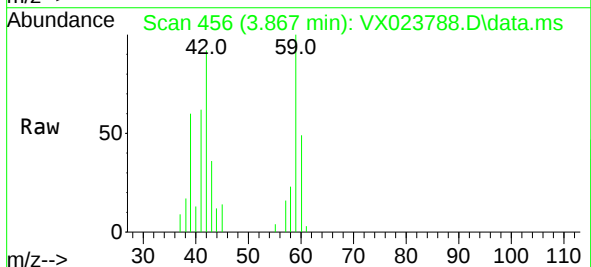


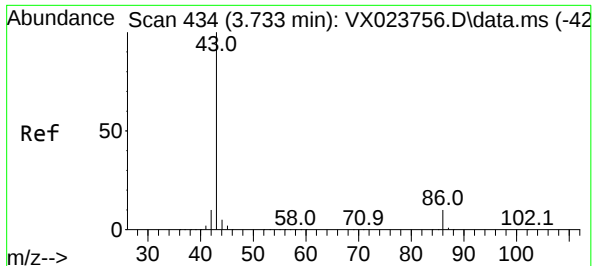
Tgt Ion:	84	Resp:	11507
Ion	Ratio	Lower	Upper
84	100		
49	125.9	88.6	132.8
51	40.7	27.0	40.6#
86	62.0	50.3	75.5



#22
Diisopropyl ether
Concen: 0.218 ug/l
RT: 3.867 min Scan# 456
Delta R.T. 0.091 min
Lab File: VX023788.D
Acq: 18 Aug 2021 01:54

Tgt Ion:	45	Resp:	1052
Ion	Ratio	Lower	Upper
45	100		
43	248.7	58.0	87.0#
87	0.0	25.4	38.0#
59	698.5	10.2	15.2#

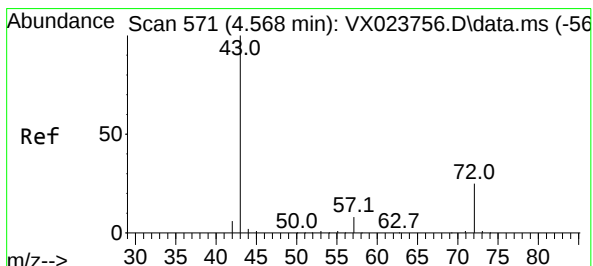
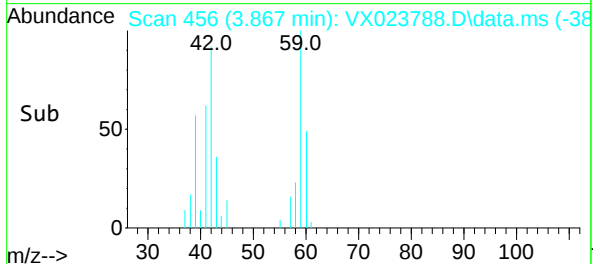
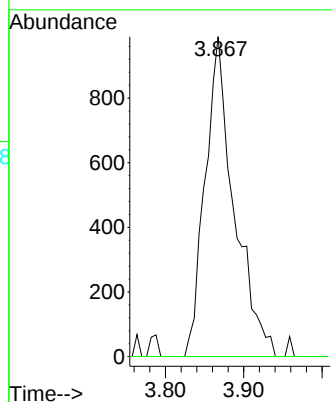
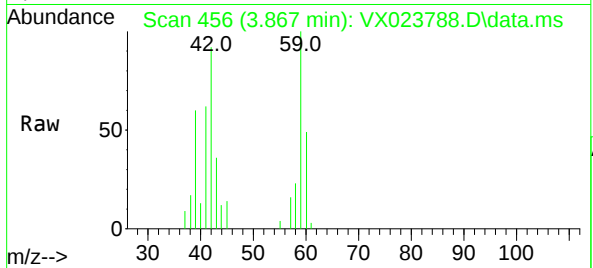




#23
 Vinyl Acetate
 Concen: 0.652 ug/l
 RT: 3.867 min Scan# 456
 Delta R.T. 0.134 min
 Lab File: VX023788.D
 Acq: 18 Aug 2021 01:54

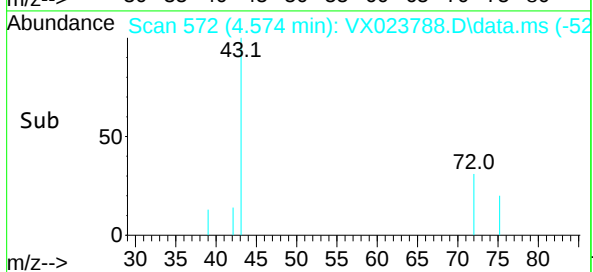
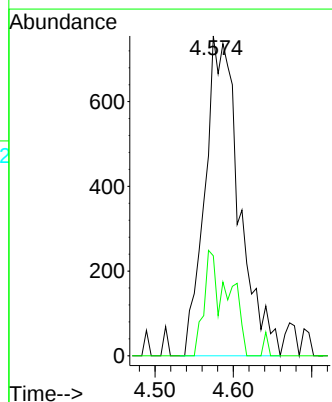
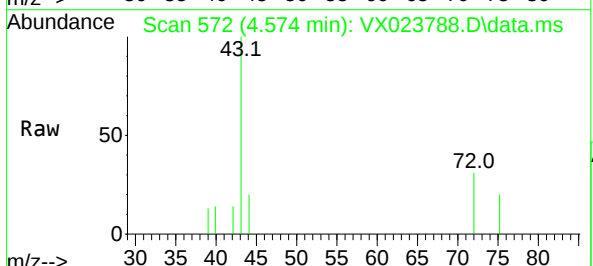
Instrument :
 MSVOA_X
 ClientSampled :
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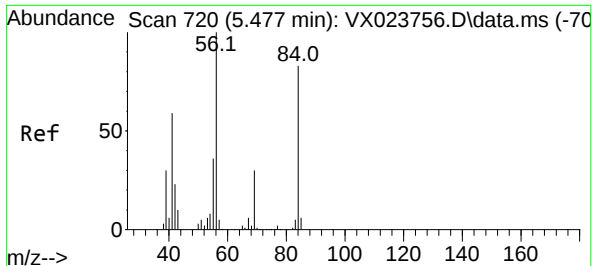
Tgt Ion: 43 Resp: 2546
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.9 14.9#



#25
 2-Butanone
 Concen: 1.776 ug/l
 RT: 4.574 min Scan# 572
 Delta R.T. 0.006 min
 Lab File: VX023788.D
 Acq: 18 Aug 2021 01:54

Tgt Ion: 43 Resp: 2301
 Ion Ratio Lower Upper
 43 100
 72 31.3 23.7 35.5





#31

Cyclohexane

Concen: 1.338 ug/l

RT: 5.568 min Scan# 735

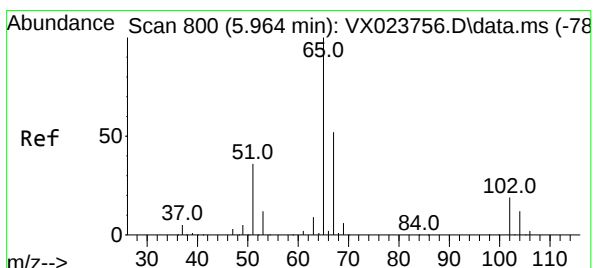
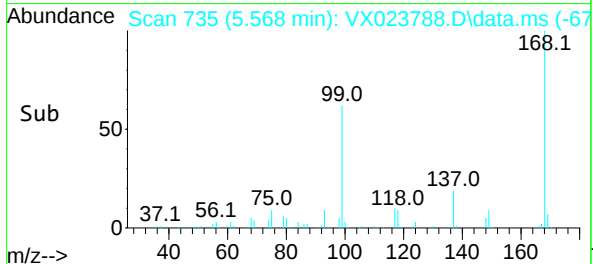
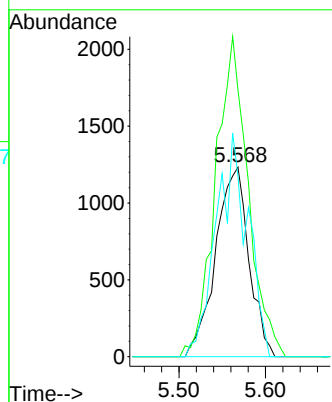
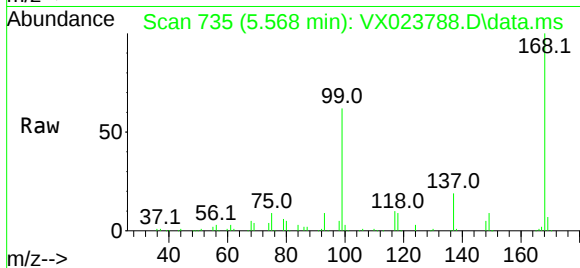
Delta R.T. 0.091 min

Lab File: VX023788.D

Acq: 18 Aug 2021 01:54

Tgt Ion: 56 Resp: 3289

Ion	Ratio	Lower	Upper
56	100		
69	140.9	25.3	37.9#
84	95.4	71.4	107.0



#33

1,2-Dichloroethane-d4

Concen: 51.740 ug/l

RT: 5.970 min Scan# 801

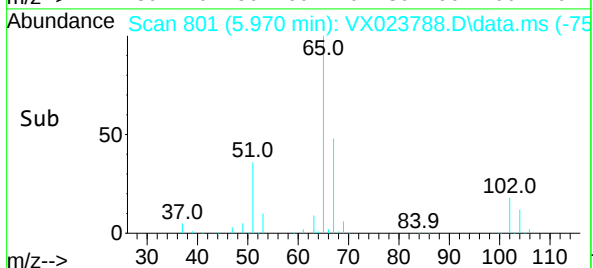
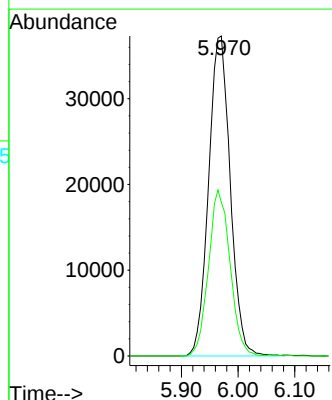
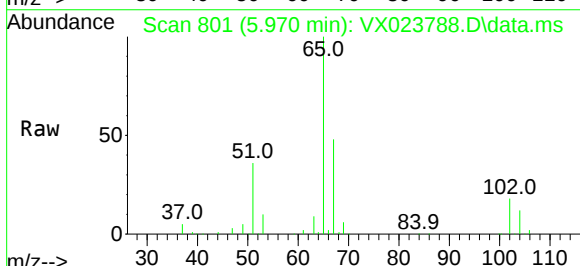
Delta R.T. 0.006 min

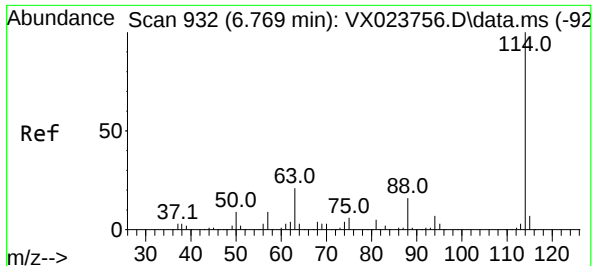
Lab File: VX023788.D

Acq: 18 Aug 2021 01:54

Tgt Ion: 65 Resp: 99005

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	105.4

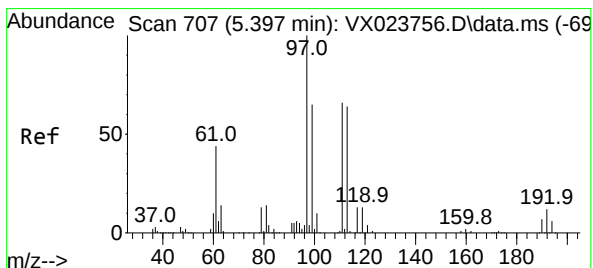
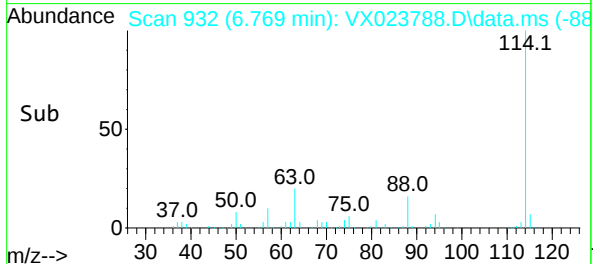
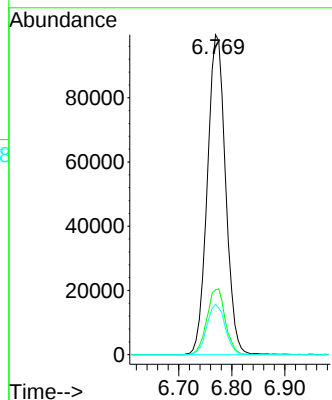
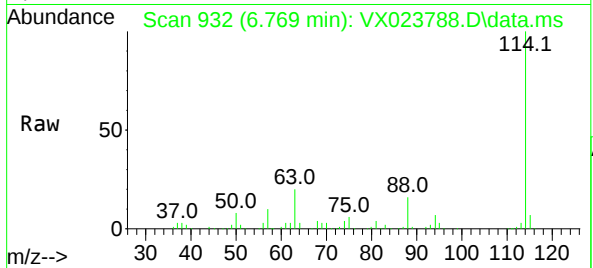




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023788.D
Acq: 18 Aug 2021 01:54

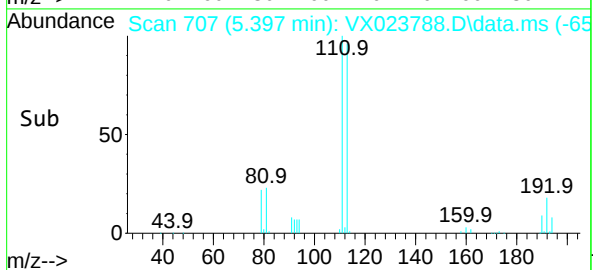
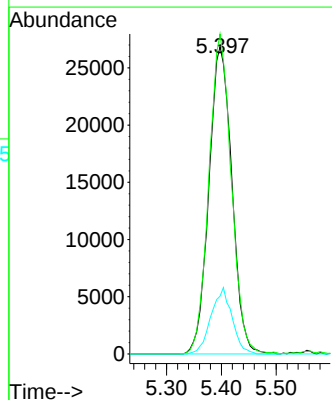
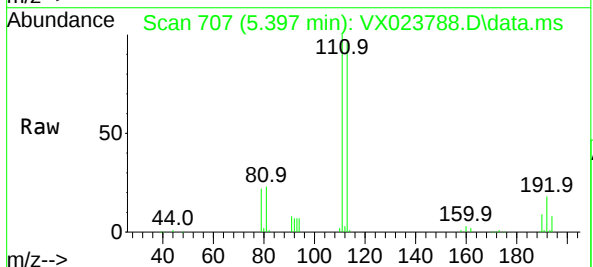
Instrument :
MSVOA_X
ClientSampled :
19S

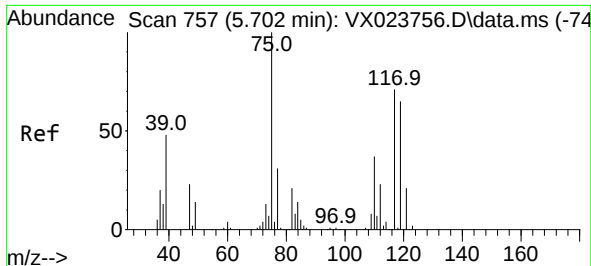
Tgt Ion:114 Resp: 237800
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.8
88 15.8 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.586 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023788.D
Acq: 18 Aug 2021 01:54

Tgt Ion:113 Resp: 78045
Ion Ratio Lower Upper
113 100
111 101.5 81.9 122.9
192 19.7 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.943 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.134 min

Lab File: VX023788.D

Acq: 18 Aug 2021 01:54

Tgt Ion: 75 Resp: 10886

Ion Ratio Lower Upper

75 100

110 9.8 18.1 54.4#

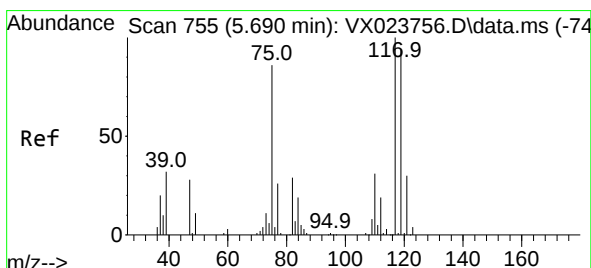
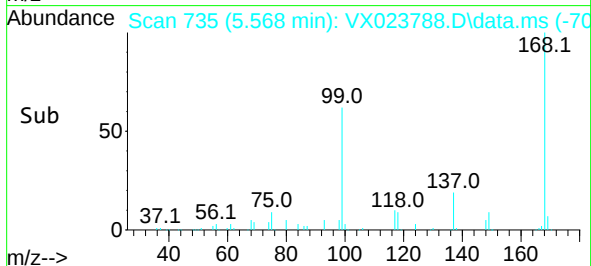
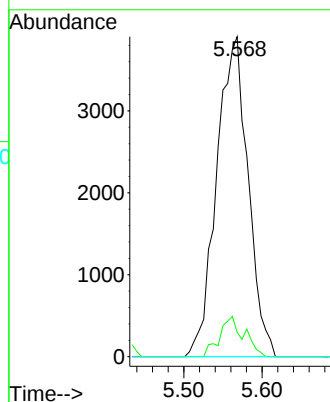
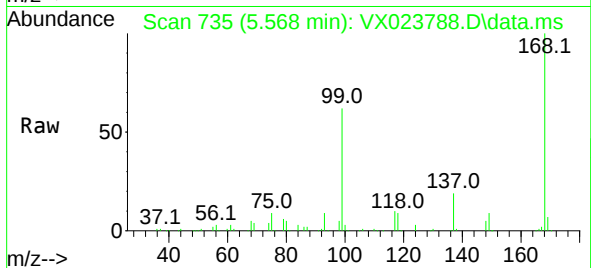
77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampled :

19S



#38

Carbon Tetrachloride

Concen: 6.164 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX023788.D

Acq: 18 Aug 2021 01:54

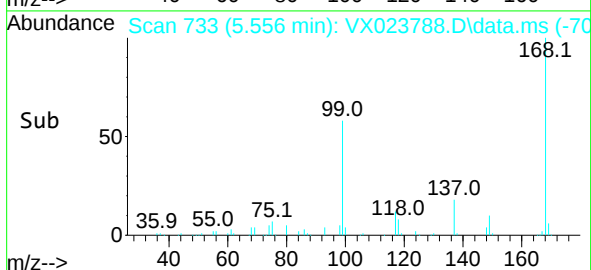
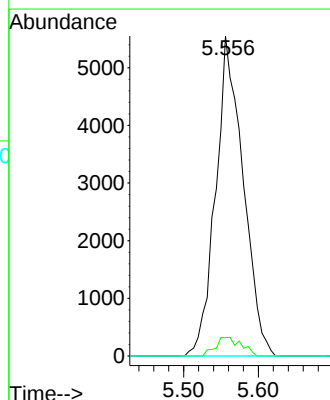
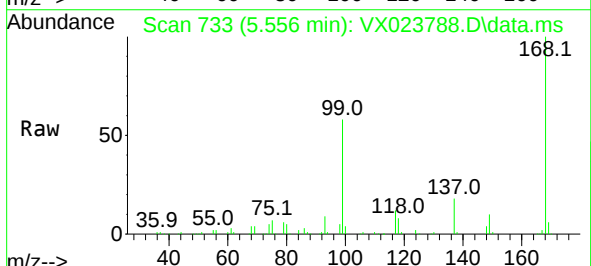
Tgt Ion:117 Resp: 14154

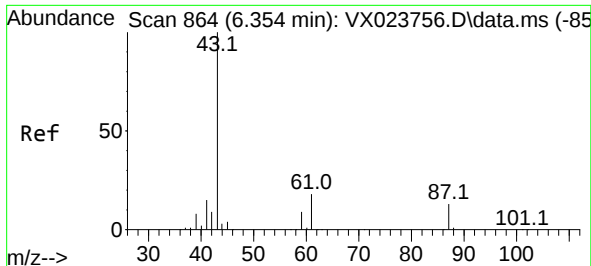
Ion Ratio Lower Upper

117 100

119 5.7 76.2 114.2#

121 0.0 24.8 37.2#

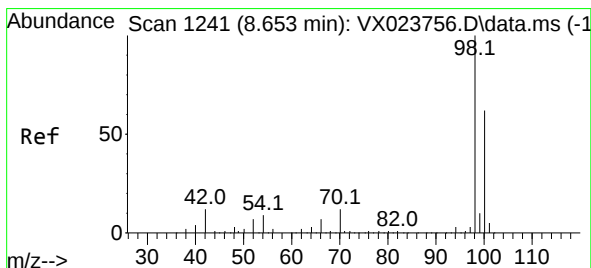
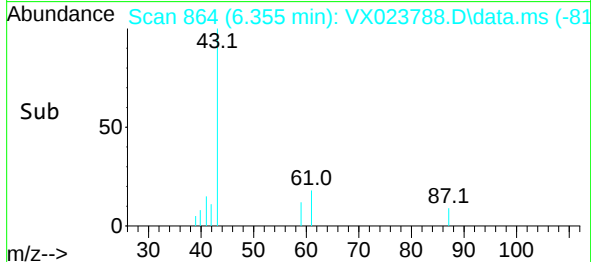
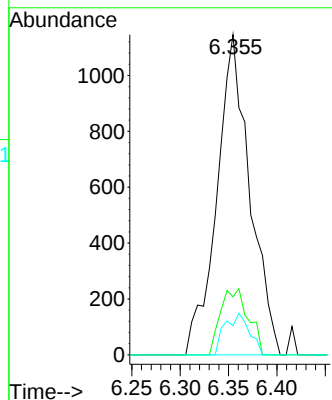
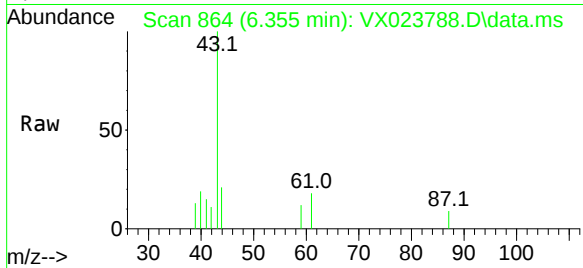




#43
Isopropyl Acetate
Concen: 0.642 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.001 min
Lab File: VX023788.D
Acq: 18 Aug 2021 01:54

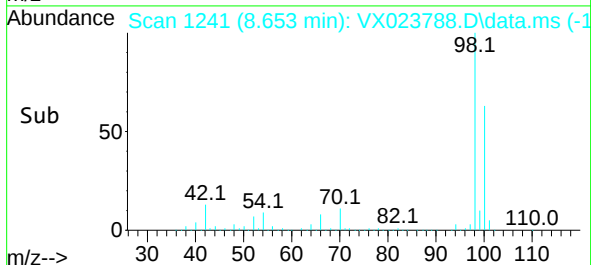
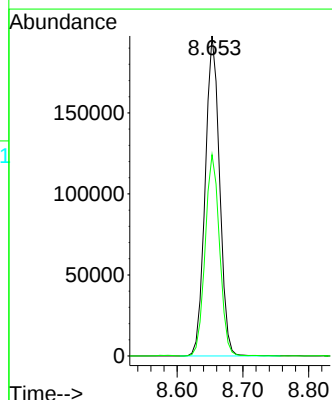
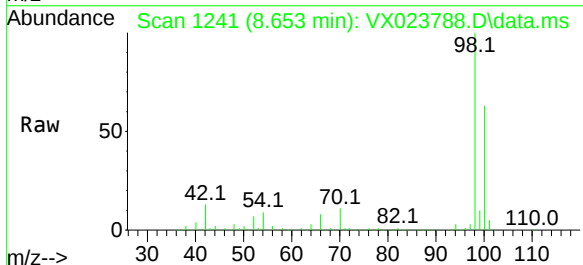
Instrument :
MSVOA_X
ClientSampled :
19S

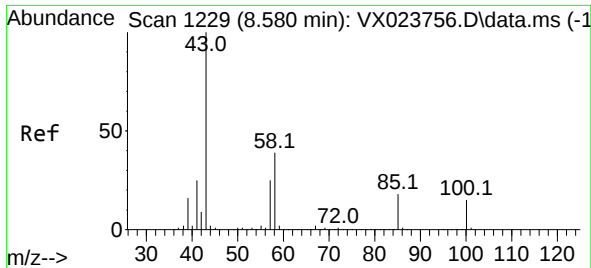
Tgt Ion: 43 Resp: 2719
Ion Ratio Lower Upper
43 100
61 17.4 18.2 27.4#
87 9.5 12.5 18.7#



#50
Toluene-d8
Concen: 50.180 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023788.D
Acq: 18 Aug 2021 01:54

Tgt Ion: 98 Resp: 300605
Ion Ratio Lower Upper
98 100
100 63.0 51.9 77.9

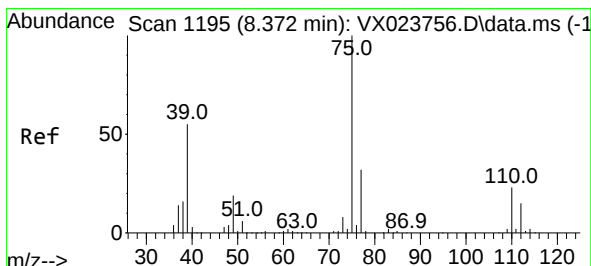
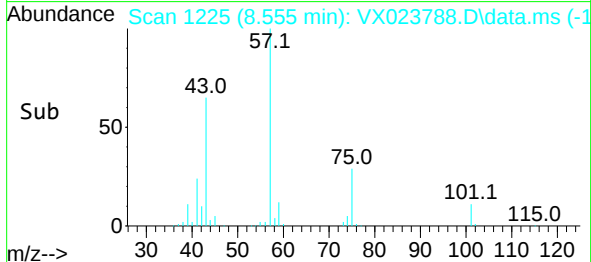
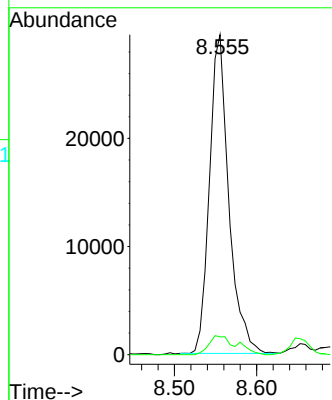
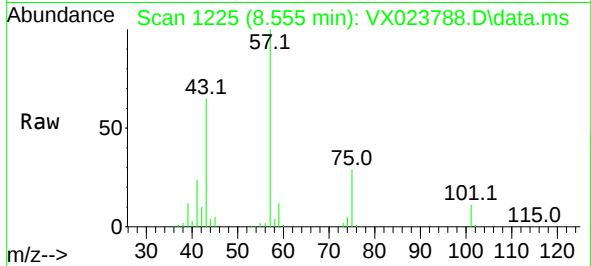




#51
4-Methyl-2-Pentanone
Concen: 17.567 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023788.D
Acq: 18 Aug 2021 01:54

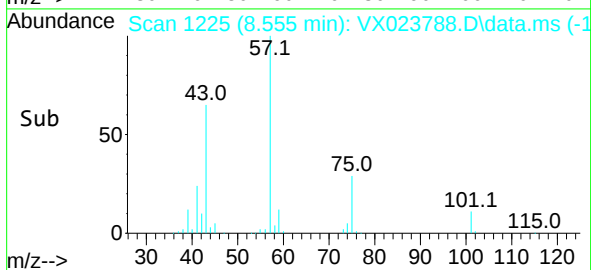
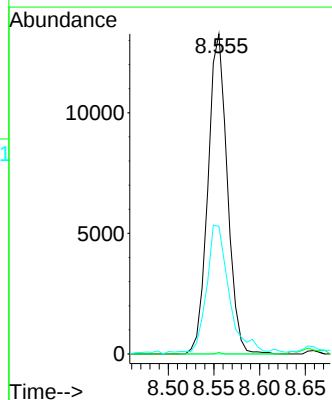
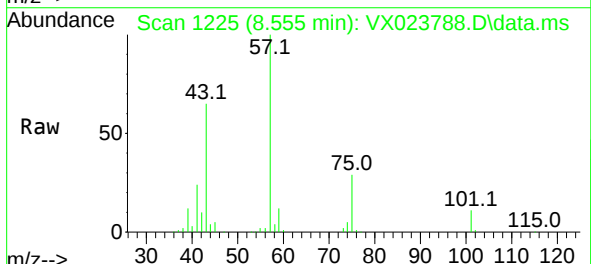
Instrument :
MSVOA_X
ClientSampled :
19S

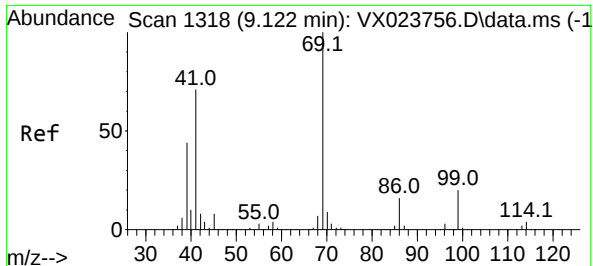
Tgt Ion: 43 Resp: 48082
Ion Ratio Lower Upper
43 100
58 6.5 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 7.385 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023788.D
Acq: 18 Aug 2021 01:54

Tgt Ion: 75 Resp: 19480
Ion Ratio Lower Upper
75 100
77 0.5 25.7 38.5#
39 39.2 35.1 52.7

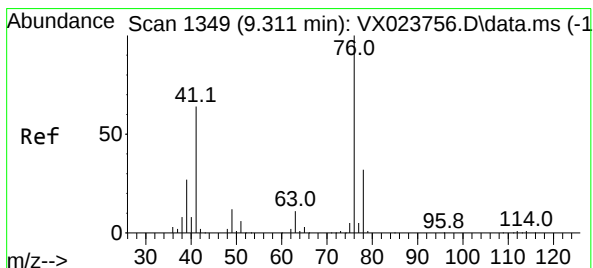
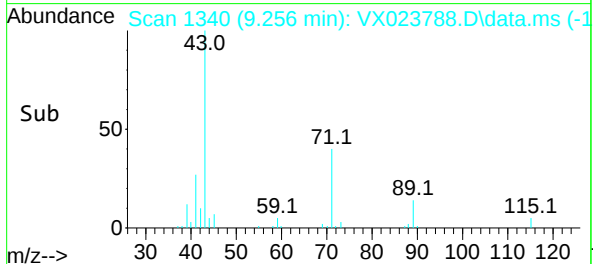
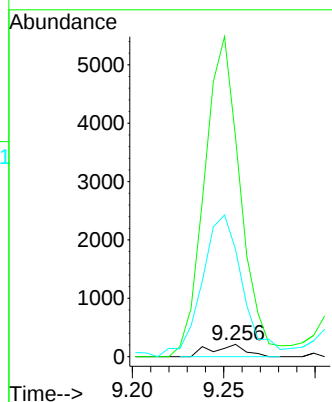
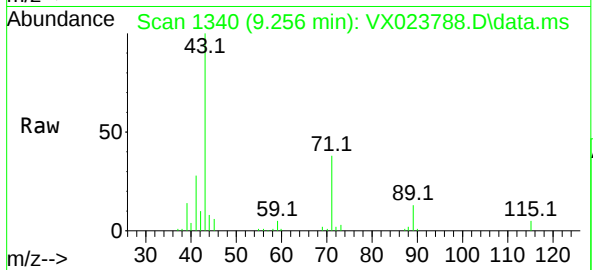




#56
Ethyl methacrylate
Concen: 0.850 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. 0.134 min
Lab File: VX023788.D
Acq: 18 Aug 2021 01:54

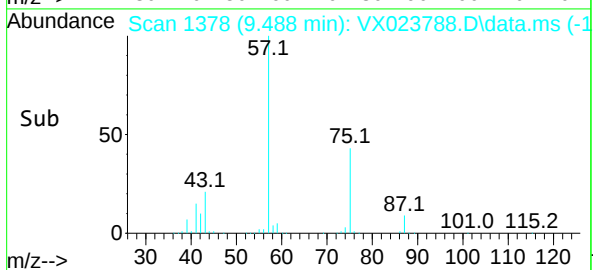
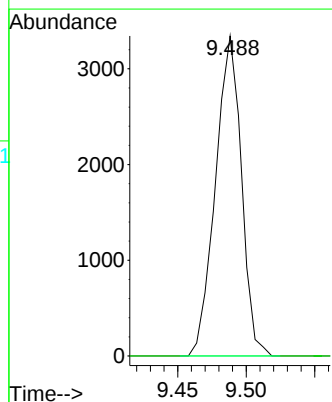
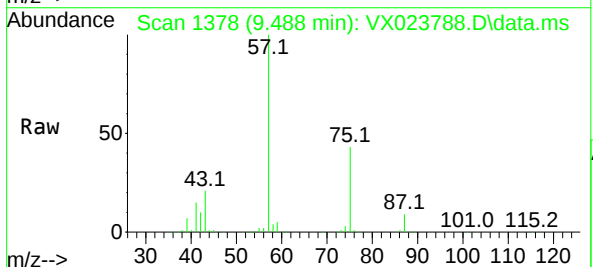
Instrument :
MSVOA_X
ClientSampled :
19S

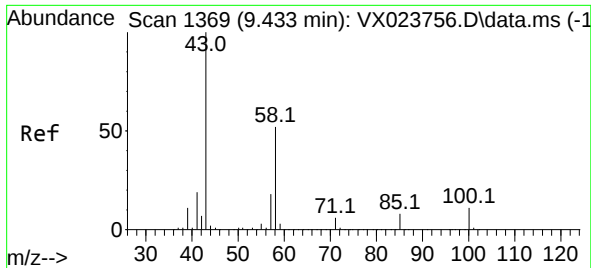
Tgt Ion: 69 Resp: 273
Ion Ratio Lower Upper
69 100
41 2746.2 46.8 70.2#
39 1384.6 24.7 37.1#



#57
1,3-Dichloropropane
Concen: 1.528 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023788.D
Acq: 18 Aug 2021 01:54

Tgt Ion: 76 Resp: 4404
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

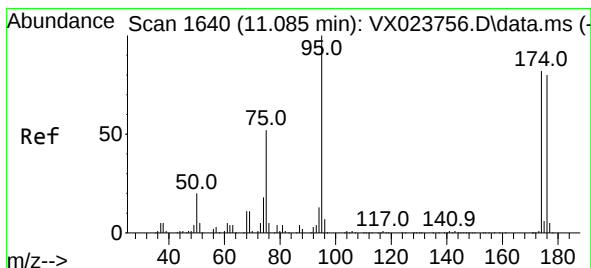
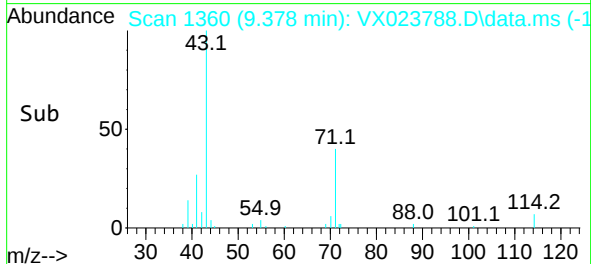
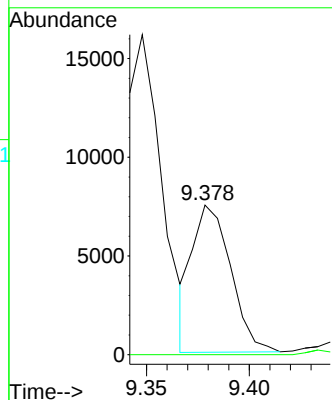
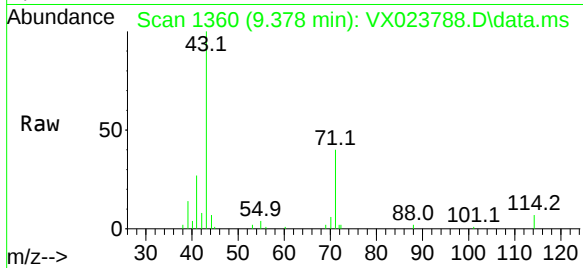




#59
2-Hexanone
Concen: 4.609 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX023788.D
Acq: 18 Aug 2021 01:54

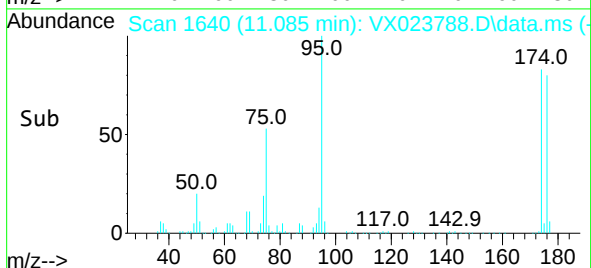
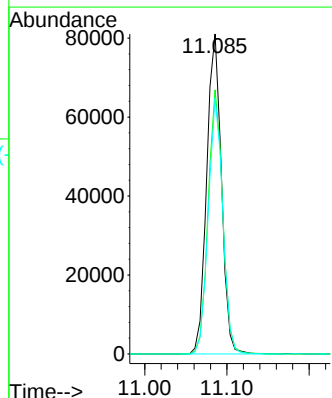
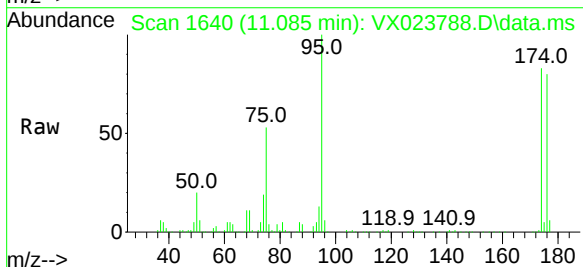
Instrument :
MSVOA_X
ClientSampled :
19S

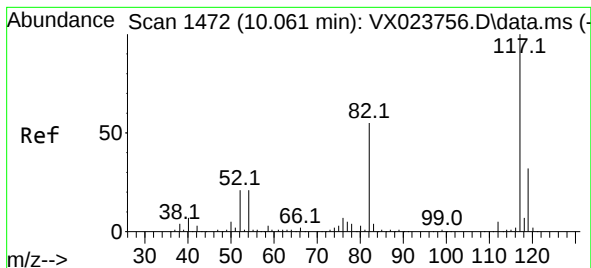
Tgt Ion: 43 Resp: 9697
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 45.627 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023788.D
Acq: 18 Aug 2021 01:54

Tgt Ion: 95 Resp: 100620
Ion Ratio Lower Upper
95 100
174 81.9 0.0 154.6
176 78.8 0.0 155.8

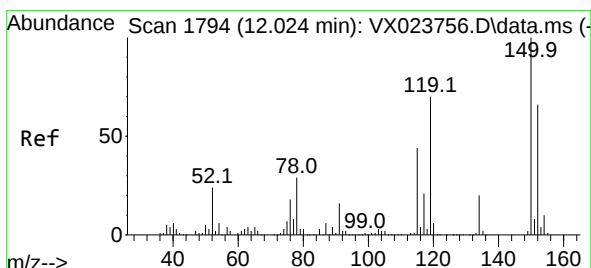
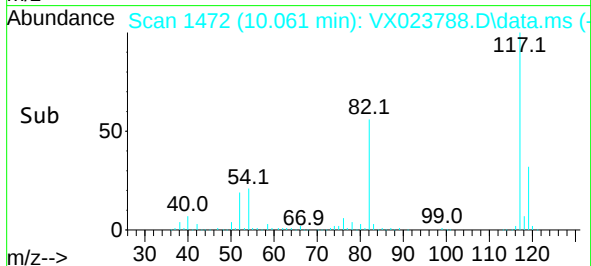
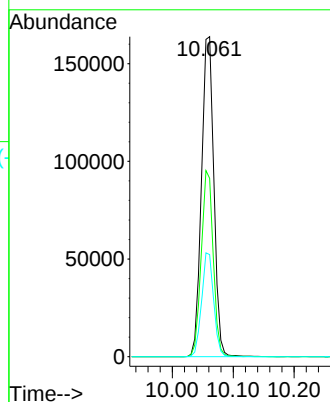
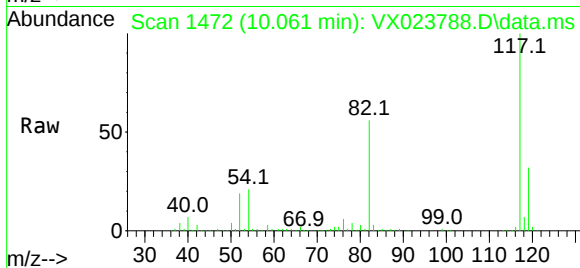




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX023788.D
Acq: 18 Aug 2021 01:54

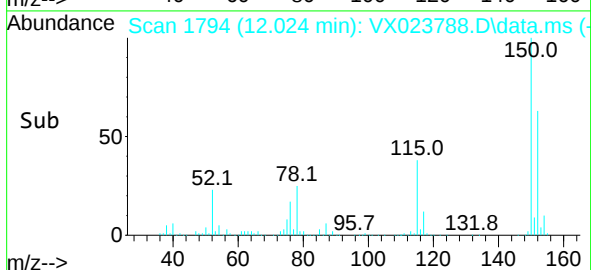
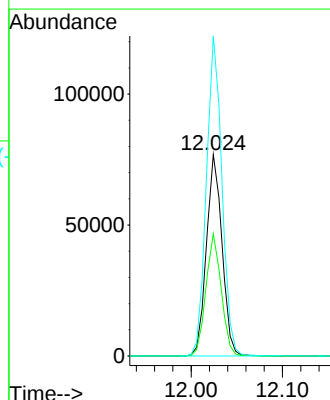
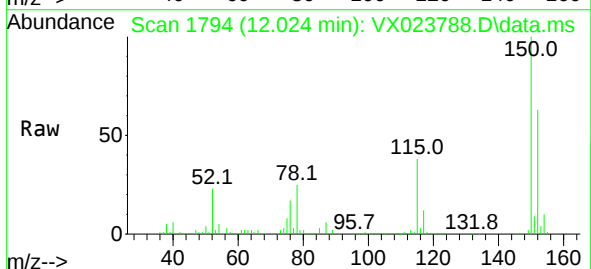
Instrument :
MSVOA_X
ClientSampled :
19S

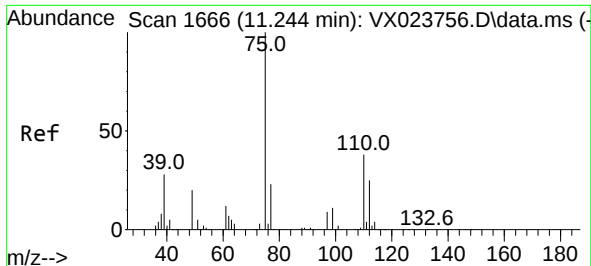
Tgt Ion:117 Resp: 231715
Ion Ratio Lower Upper
117 100
82 55.7 47.4 71.2
119 31.9 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023788.D
Acq: 18 Aug 2021 01:54

Tgt Ion:152 Resp: 90998
Ion Ratio Lower Upper
152 100
115 59.5 41.1 123.3
150 158.0 0.0 349.0

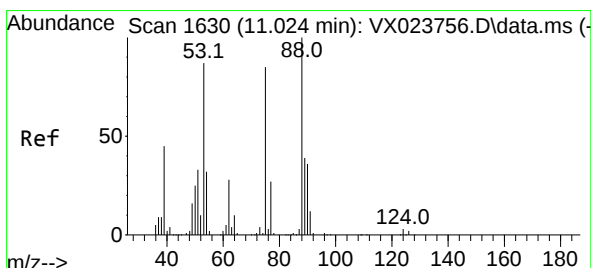
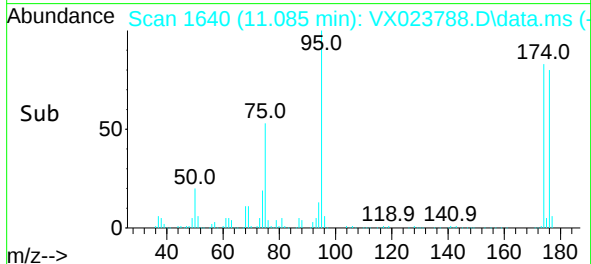
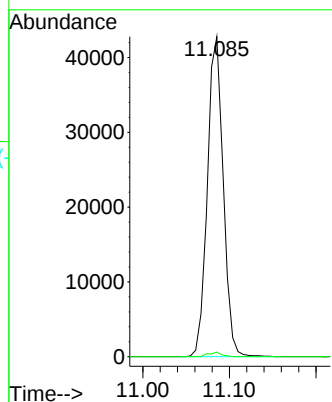
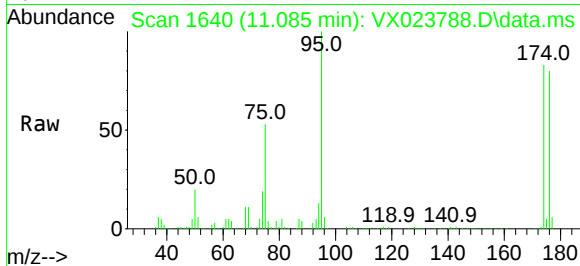




#76
1,2,3-Trichloropropane
Concen: 25.631 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023788.D
Acq: 18 Aug 2021 01:54

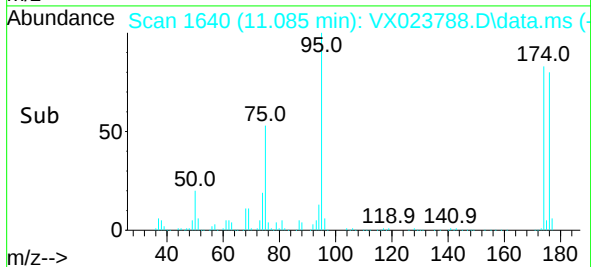
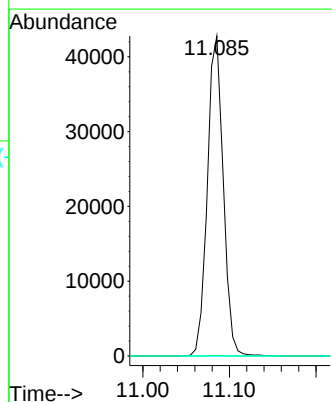
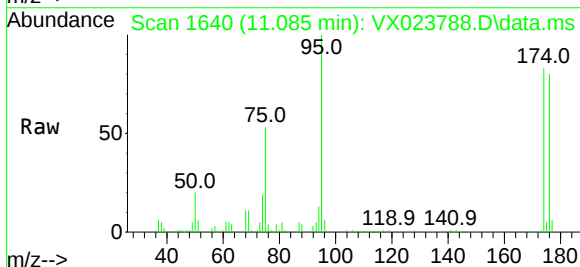
Instrument :
MSVOA_X
ClientSampled :
19S

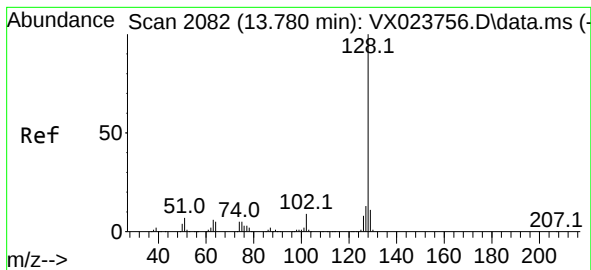
Tgt Ion: 75 Resp: 54408
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.395 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023788.D
Acq: 18 Aug 2021 01:54

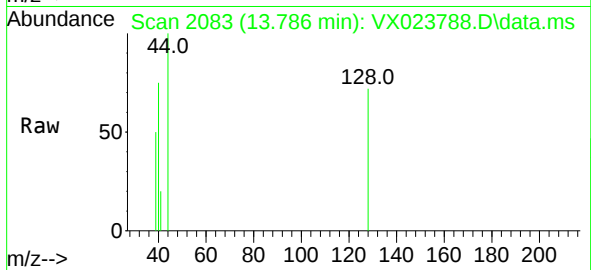
Tgt Ion: 75 Resp: 54408
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.319 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX023788.D
Acq: 18 Aug 2021 01:54

Instrument :
MSVOA_X
ClientSampleId :
19S



Tgt Ion:128 Resp: 249
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

