

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090321\
 Data File : VX024112.D
 Acq On : 03 Sep 2021 19:01
 Operator : JC/MD
 Sample : M3646-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 99-01

Quant Time: Sep 04 01:33:06 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)

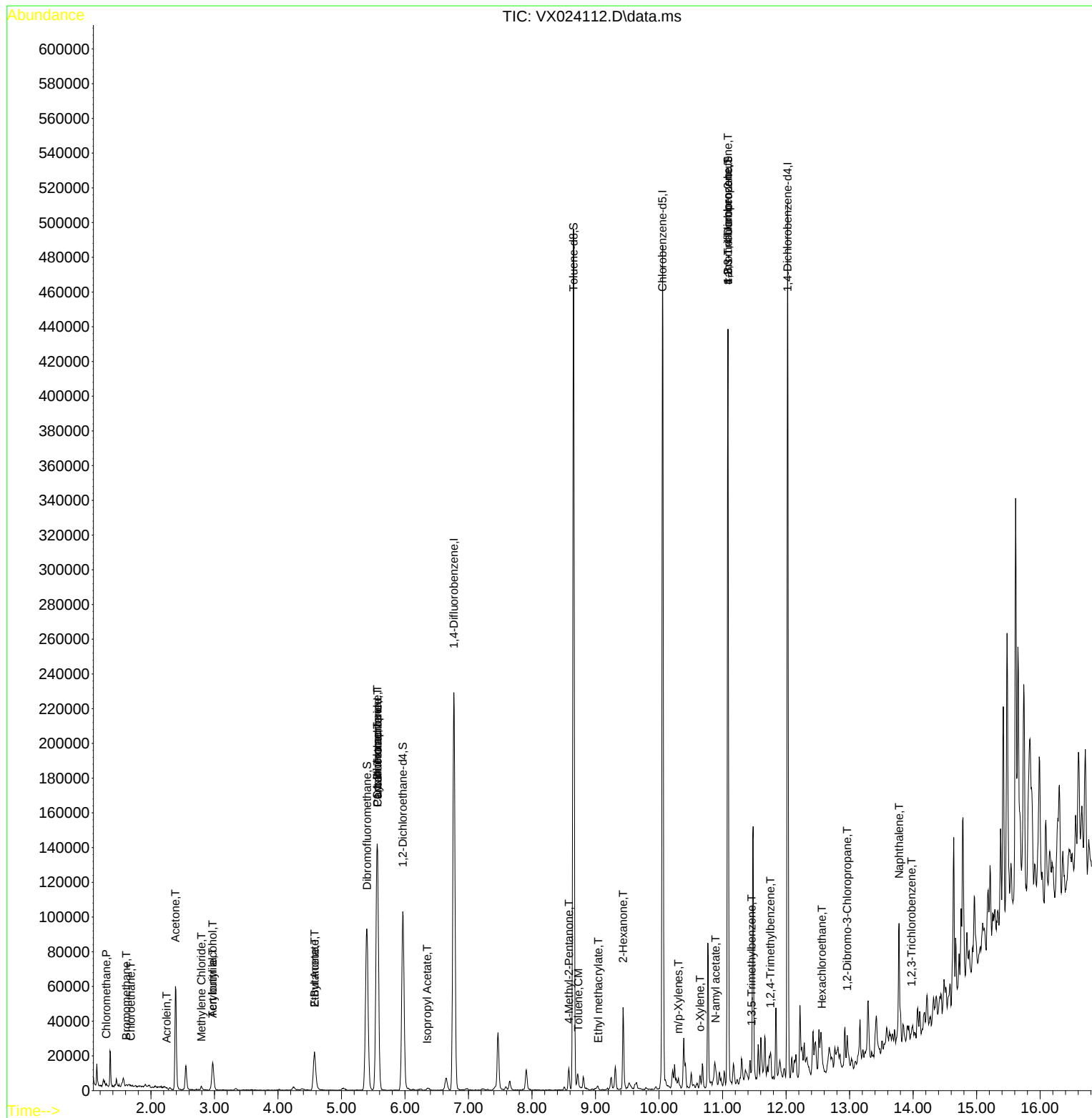
Internal Standards						
1) Pentafluorobenzene	5.568	168	135771	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	227121	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	209130	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96957	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	103116	54.417	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.840%			
35) Dibromofluoromethane	5.403	113	78950	52.519	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.040%			
50) Toluene-d8	8.653	98	281696	49.235	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.460%			
62) 4-Bromofluorobenzene	11.085	95	105014	49.859	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.720%			
Target Compounds						Qvalue
3) Chloromethane	1.294	50	707	0.450	ug/l #	87
5) Bromomethane	1.611	94	529	0.549	ug/l	98
6) Chloroethane	1.685	64	416	2.528	ug/l #	43
11) Tert butyl alcohol	2.971	59	17241	44.990	ug/l	97
13) Acrolein	2.245	56	51	0.224	ug/l #	14
15) Acrylonitrile	2.971	53	171	0.200	ug/l #	28
16) Acetone	2.386	43	63007	74.364	ug/l	88
20) Methylene Chloride	2.794	84	932	0.576	ug/l #	92
25) 2-Butanone	4.574	43	35632	27.765	ug/l	99
31) Cyclohexane	5.562	56	3189	1.310	ug/l #	24
36) 1,1-Dichloropropene	5.562	75	10840	5.154	ug/l #	50
37) Ethyl Acetate	4.574	43	35632	13.782	ug/l #	64
38) Carbon Tetrachloride	5.568	117	14020	6.392	ug/l #	17
43) Isopropyl Acetate	6.348	43	1030	0.255	ug/l #	57
51) 4-Methyl-2-Pentanone	8.580	43	7707	2.948	ug/l	88
52) Toluene	8.726	92	1133	0.281	ug/l #	75
56) Ethyl methacrylate	9.043	69	218	0.835	ug/l #	29
59) 2-Hexanone	9.433	43	24581	12.233	ug/l	84
68) m/p-Xylenes	10.305	106	1136	0.391	ug/l	96
69) o-Xylene	10.646	106	1261	0.442	ug/l	94
74) N-amyl acetate	10.890	43	4024	1.204	ug/l #	59
76) 1,2,3-Trichloropropane	11.085	75	57798	25.555	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.457	105	1801	0.296	ug/l	86
81) trans-1,4-Dichloro-2-b...	11.085	75	57798	75.170	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.756	105	3273	0.540	ug/l	98
90) Hexachloroethane	12.567	117	616	2.024	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	12.963	75	55	2.254	ug/l #	46
95) Naphthalene	13.780	128	42485	7.119	ug/l	98
96) 1,2,3-Trichlorobenzene	13.975	180	608	0.318	ug/l #	1

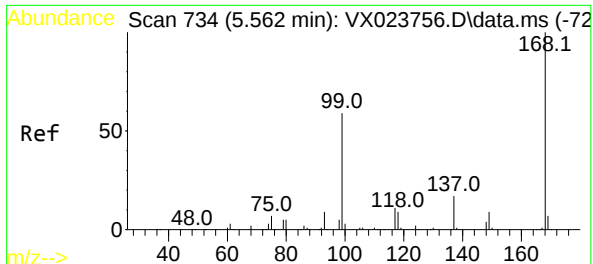
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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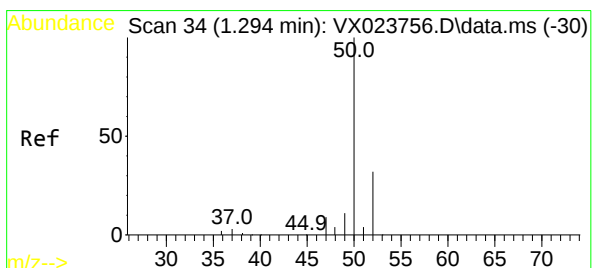
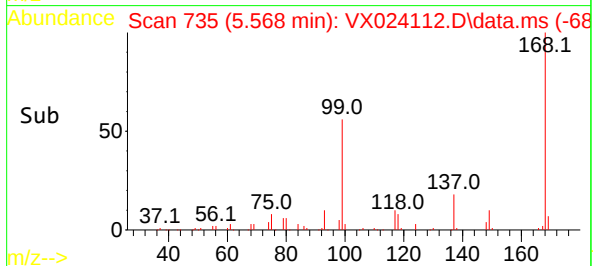
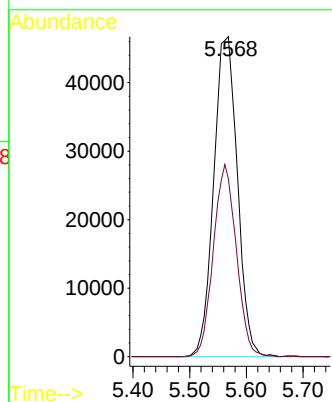
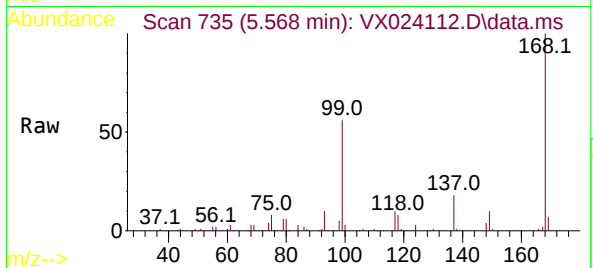




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX024112.D
Acq: 03 Sep 2021 19:01

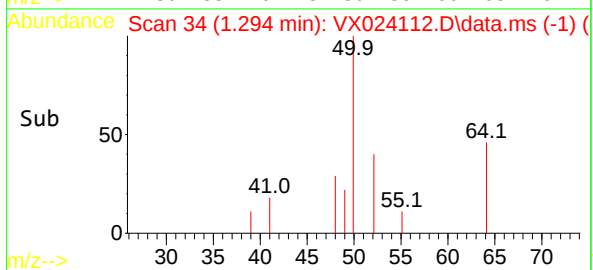
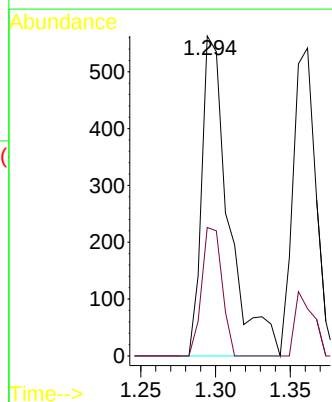
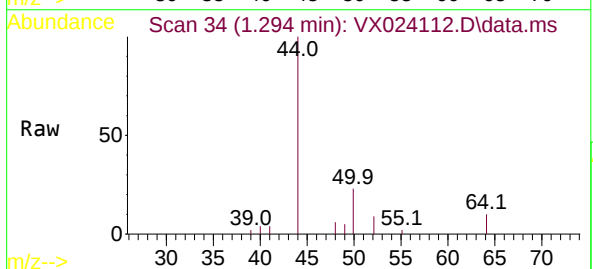
Instrument :
MSVOA_X
ClientSampleId :
99-01

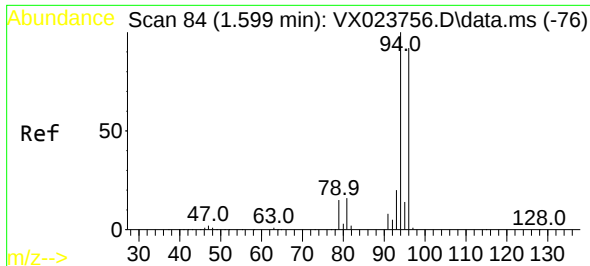
Tgt Ion:168 Resp: 135771
Ion Ratio Lower Upper
168 100
99 55.7 45.8 68.6



#3
Chloromethane
Concen: 0.450 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX024112.D
Acq: 03 Sep 2021 19:01

Tgt Ion: 50 Resp: 707
Ion Ratio Lower Upper
50 100
52 40.1 26.4 39.6#

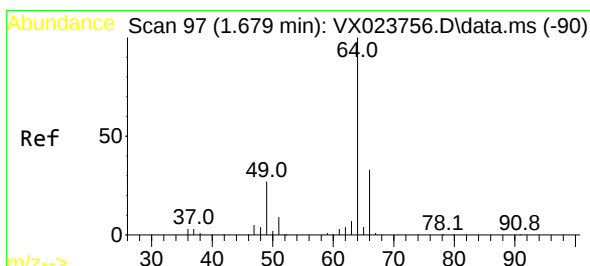
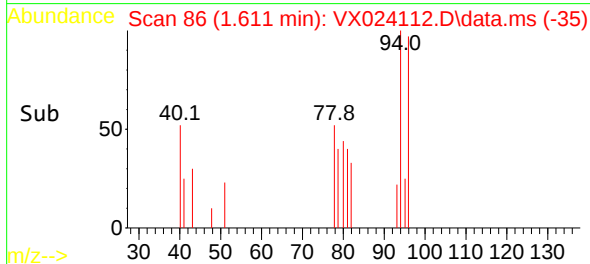
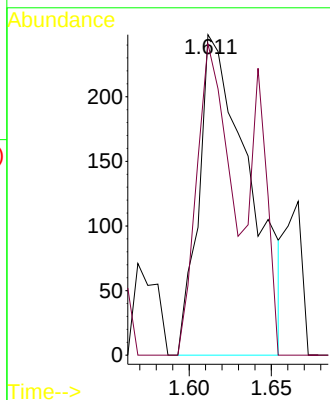
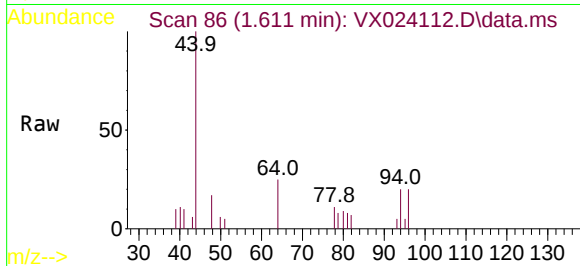




#5
Bromomethane
Concen: 0.549 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX024112.D
Acq: 03 Sep 2021 19:01

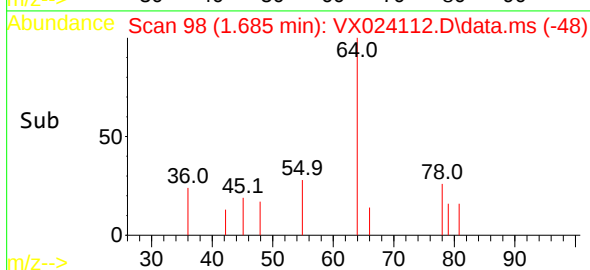
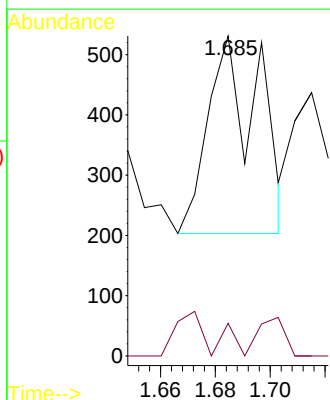
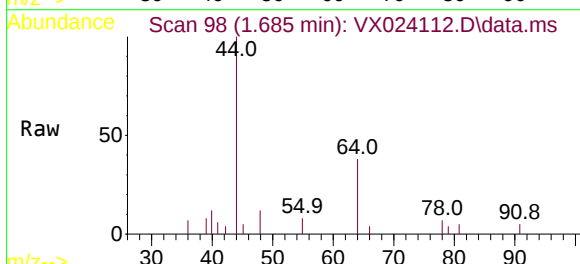
Instrument :
MSVOA_X
ClientSampleId :
99-01

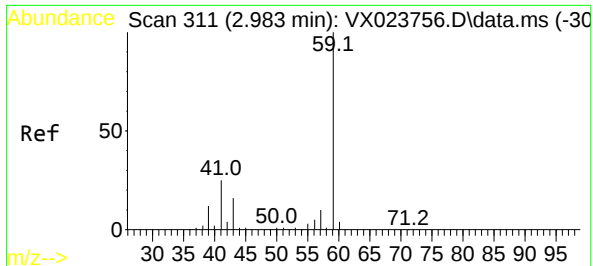
Tgt Ion: 94 Resp: 529
Ion Ratio Lower Upper
94 100
96 97.2 76.4 114.6



#6
Chloroethane
Concen: 2.528 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX024112.D
Acq: 03 Sep 2021 19:01

Tgt Ion: 64 Resp: 416
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



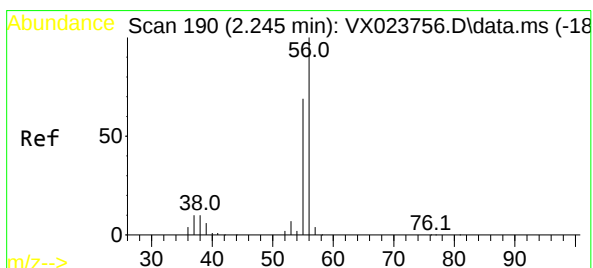
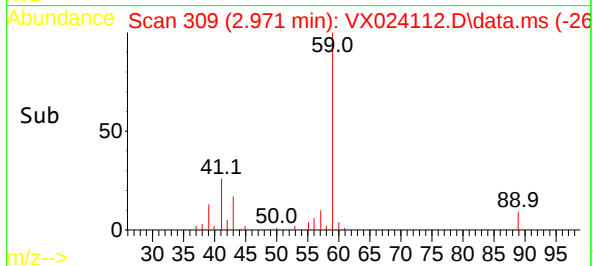
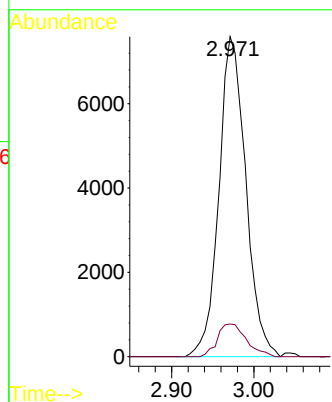
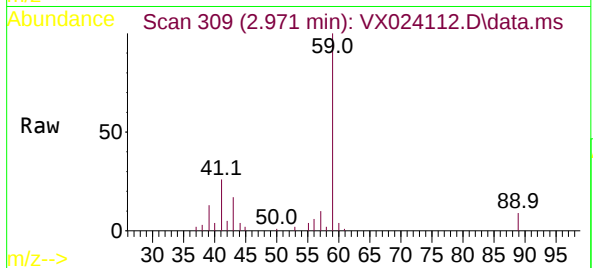


#11

Tert butyl alcohol
Concen: 44.990 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX024112.D
Acq: 03 Sep 2021 19:01

Instrument :
MSVOA_X
ClientSampled :
99-01

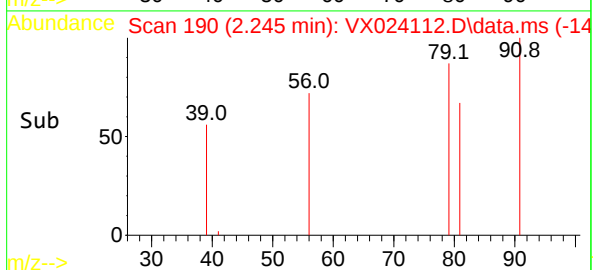
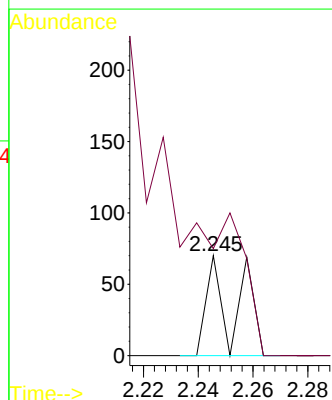
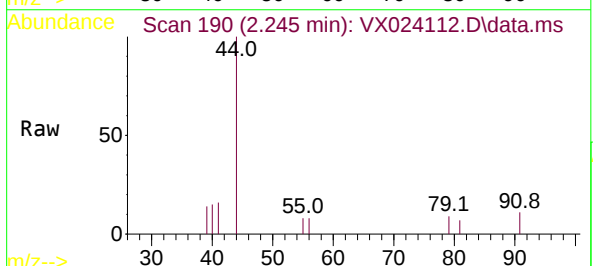
Tgt Ion: 59 Resp: 17241
Ion Ratio Lower Upper
59 100
57 11.0 7.8 11.8

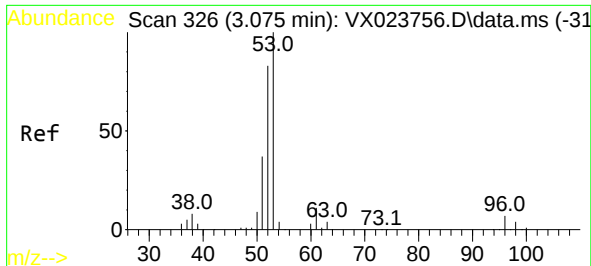


#13

Acrolein
Concen: 0.224 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.000 min
Lab File: VX024112.D
Acq: 03 Sep 2021 19:01

Tgt Ion: 56 Resp: 51
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

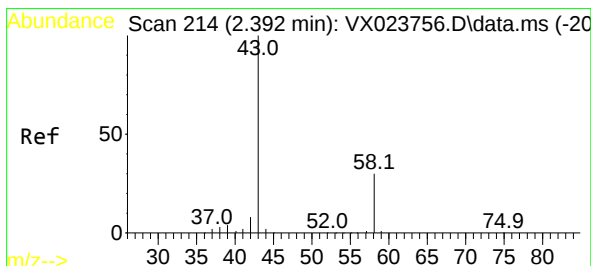
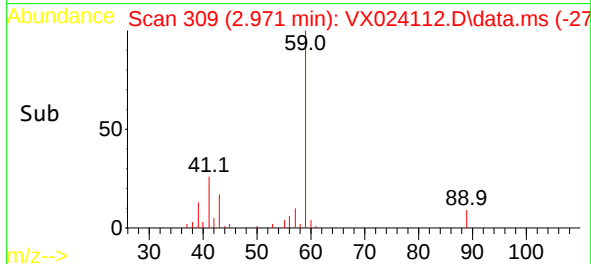
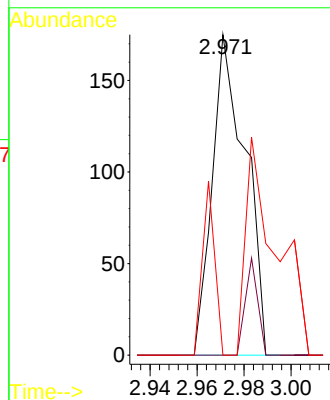
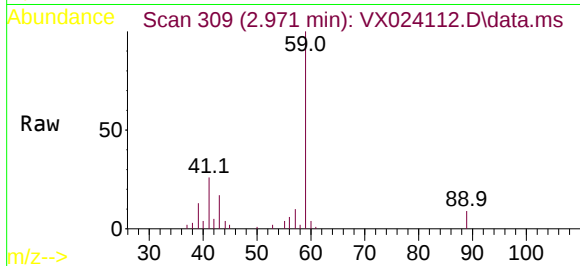




#15
Acrylonitrile
Concen: 0.200 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.104 min
Lab File: VX024112.D
Acq: 03 Sep 2021 19:01

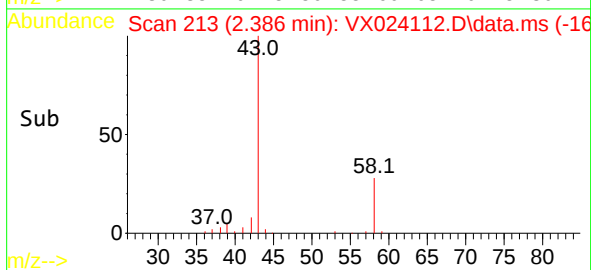
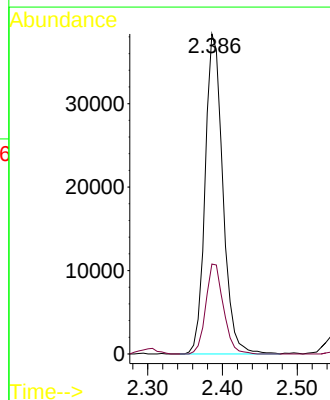
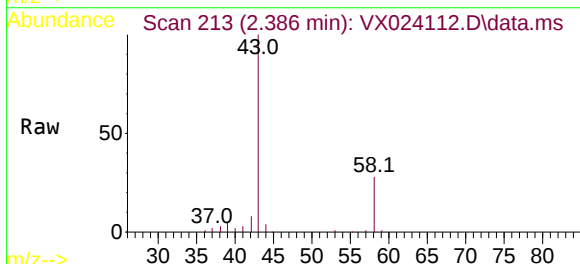
Instrument :
MSVOA_X
ClientSampled :
99-01

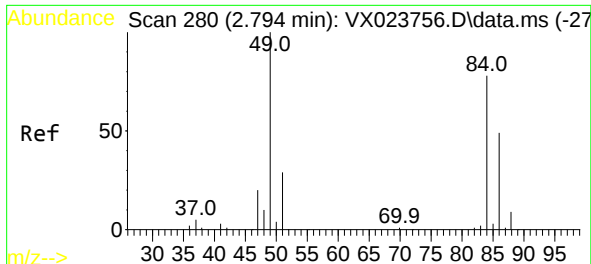
Tgt Ion: 53	Resp:	171
Ion	Ratio	Lower Upper
53	100	
52	0.0	65.3 97.9#
51	20.5	28.2 42.2#



#16
Acetone
Concen: 74.364 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024112.D
Acq: 03 Sep 2021 19:01

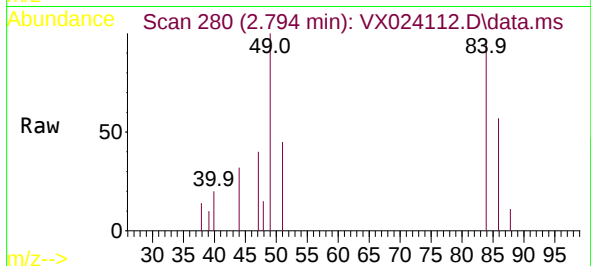
Tgt Ion: 43	Resp:	63007
Ion	Ratio	Lower Upper
43	100	
58	28.1	27.8 41.8



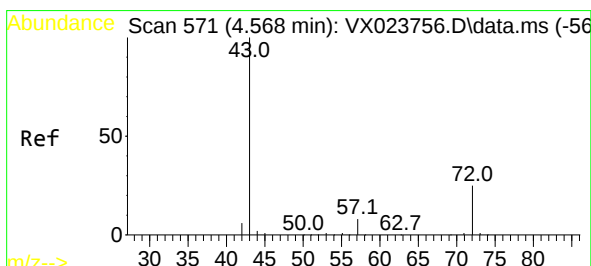
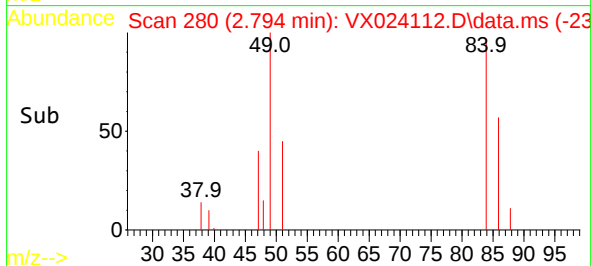
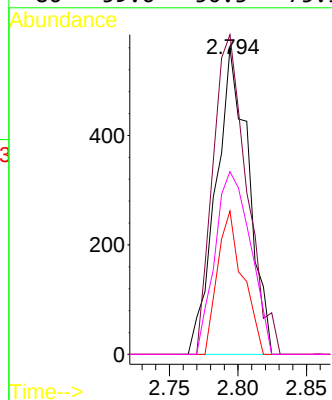


#20
Methylene Chloride
Concen: 0.576 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX024112.D
Acq: 03 Sep 2021 19:01

Instrument :
MSVOA_X
ClientSampled :
99-01

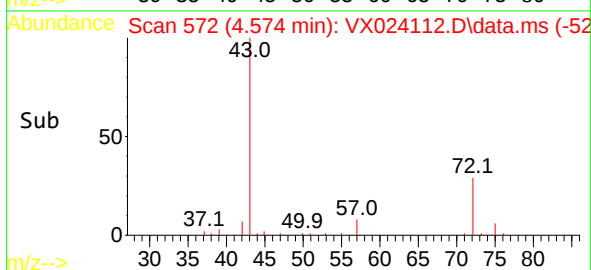
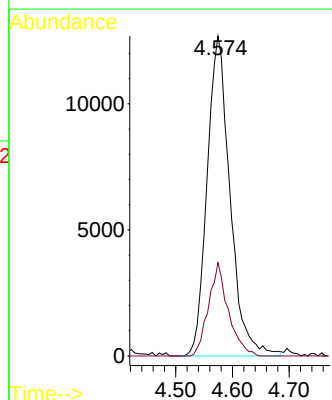
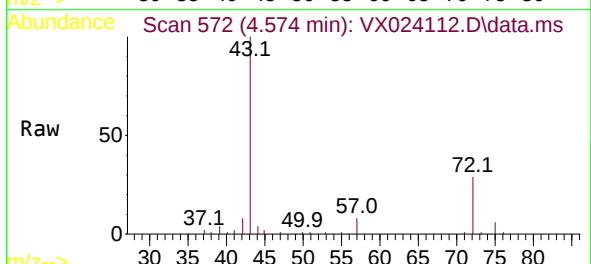


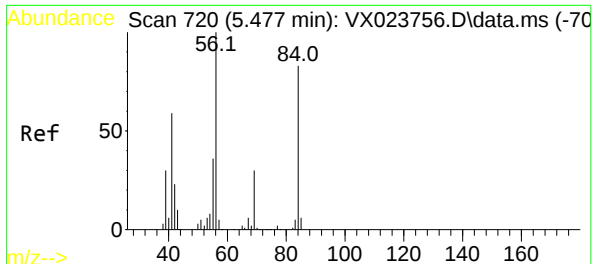
Tgt Ion:	84	Resp:	932
Ion	Ratio	Lower	Upper
84	100		
49	104.3	88.6	132.8
51	46.8	27.0	40.6#
86	59.6	50.3	75.5



#25
2-Butanone
Concen: 27.765 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX024112.D
Acq: 03 Sep 2021 19:01

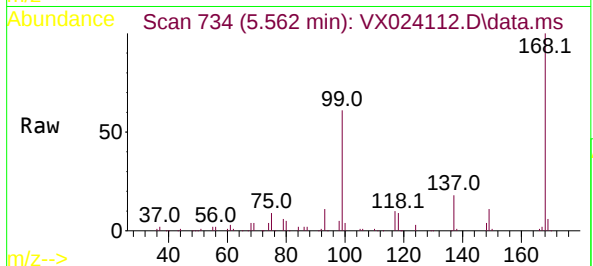
Tgt Ion:	43	Resp:	35632
Ion	Ratio	Lower	Upper
43	100		
72	29.2	23.7	35.5



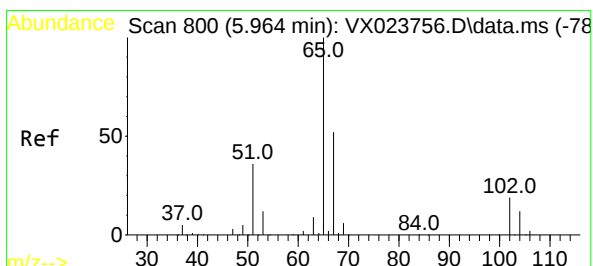
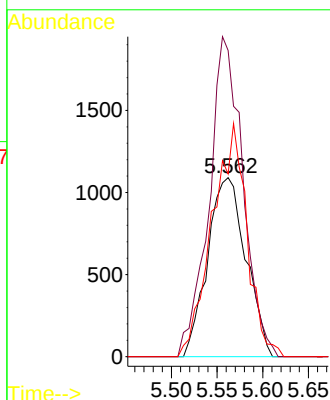
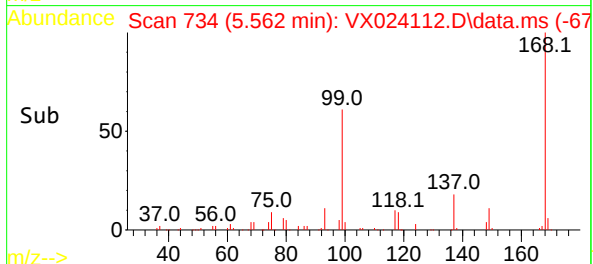


#31
Cyclohexane
Concen: 1.310 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX024112.D
Acq: 03 Sep 2021 19:01

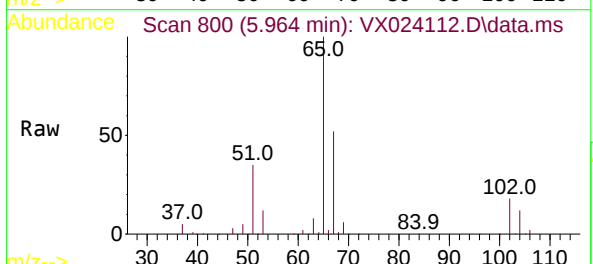
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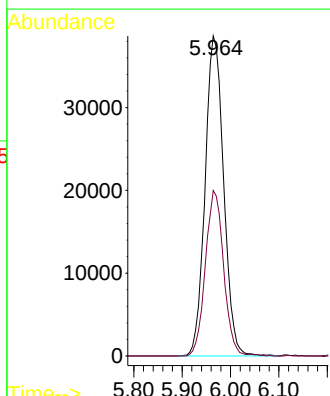
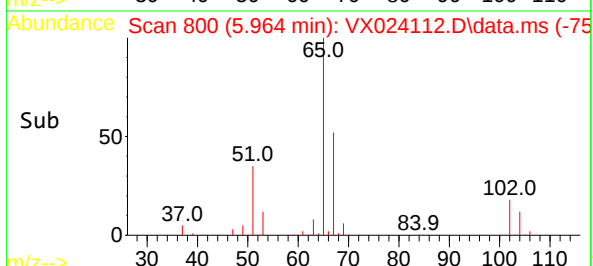
Tgt Ion: 56 Resp: 3189
Ion Ratio Lower Upper
56 100
69 170.9 25.3 37.9#
84 102.0 71.4 107.0

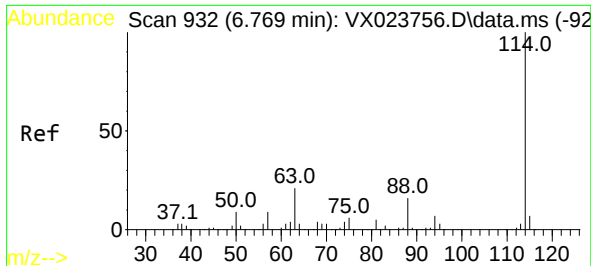


#33
1,2-Dichloroethane-d4
Concen: 54.417 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024112.D
Acq: 03 Sep 2021 19:01



Tgt Ion: 65 Resp: 103116
Ion Ratio Lower Upper
65 100
67 50.8 0.0 105.4

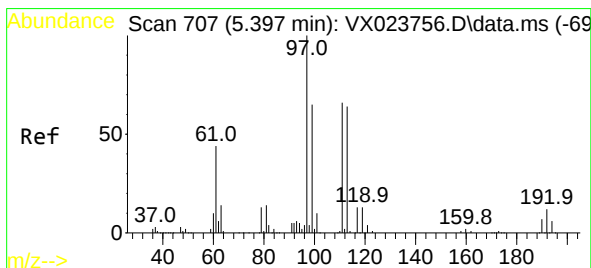
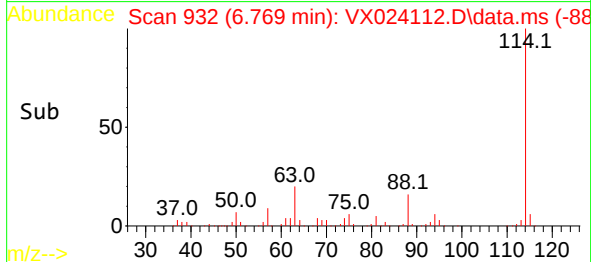
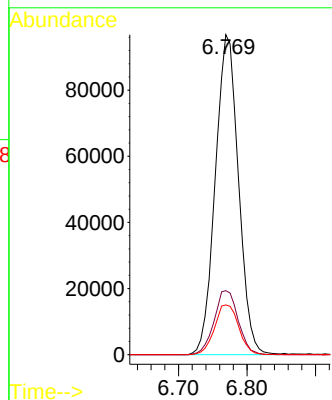
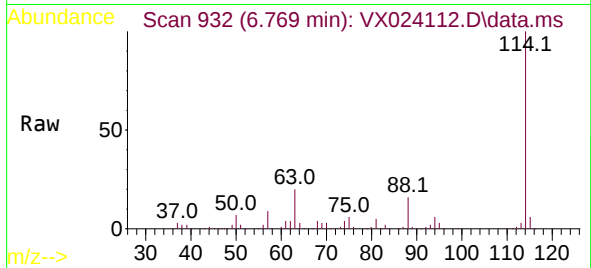




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024112.D
Acq: 03 Sep 2021 19:01

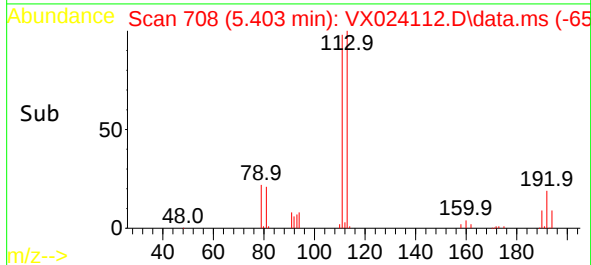
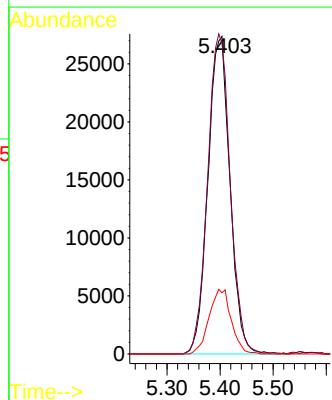
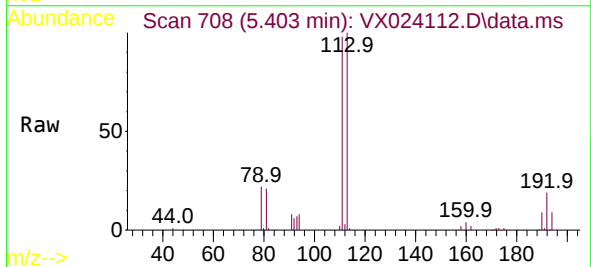
Instrument :
MSVOA_X
ClientSampleId :
99-01

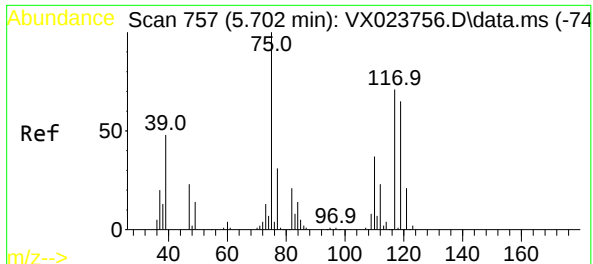
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Ion Ratio Lower Upper
114 100
63 20.0 0.0 40.8
88 15.6 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.519 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX024112.D
Acq: 03 Sep 2021 19:01

Tgt Ion:113 Resp: 78950
Ion Ratio Lower Upper
113 100
111 103.3 81.9 122.9
192 20.5 16.7 25.1

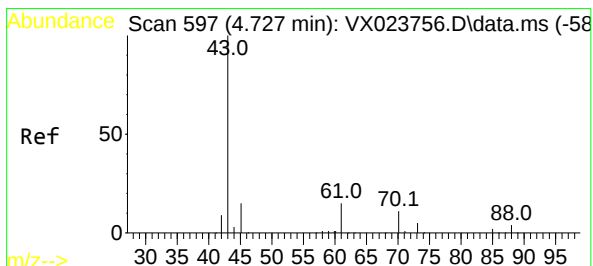
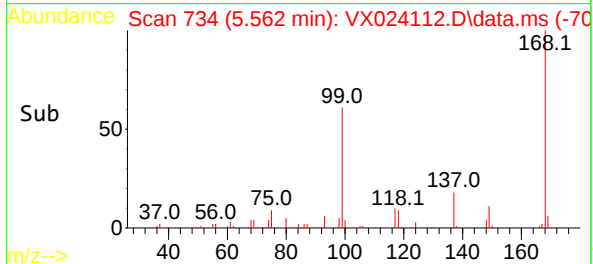
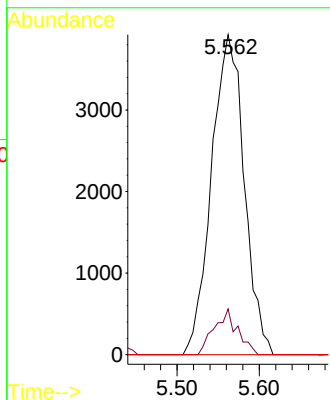
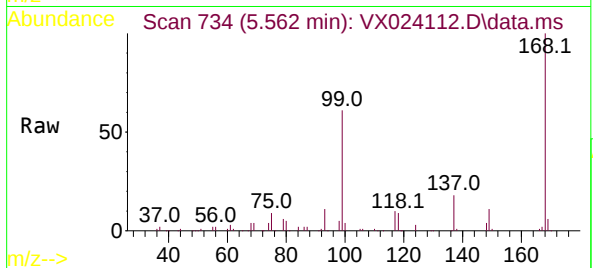




#36
1,1-Dichloropropene
Concen: 5.154 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX024112.D
Acq: 03 Sep 2021 19:01

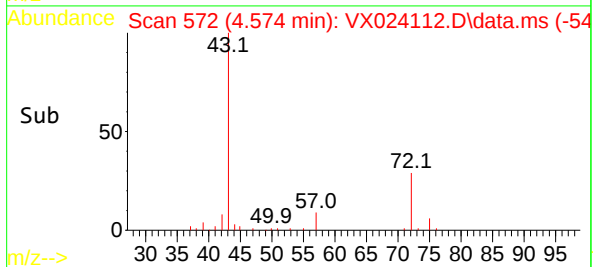
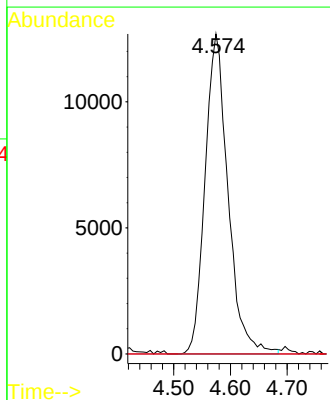
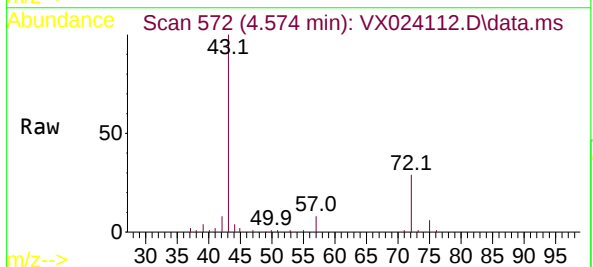
Instrument :
MSVOA_X
ClientSampled :
99-01

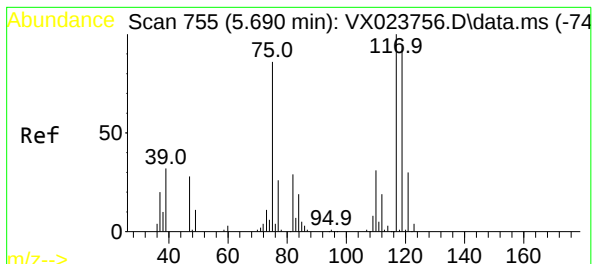
Tgt Ion: 75 Resp: 10840
Ion Ratio Lower Upper
75 100
110 10.2 18.1 54.4#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 13.782 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.153 min
Lab File: VX024112.D
Acq: 03 Sep 2021 19:01

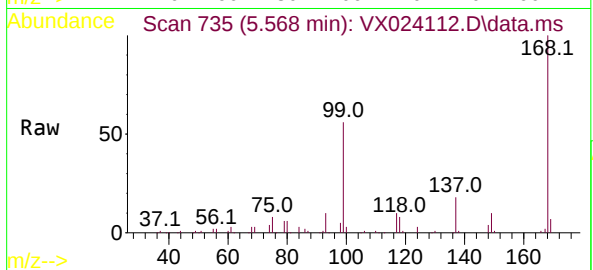
Tgt Ion: 43 Resp: 35632
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 10.5 15.7#



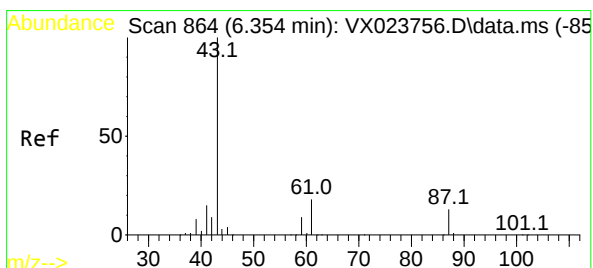
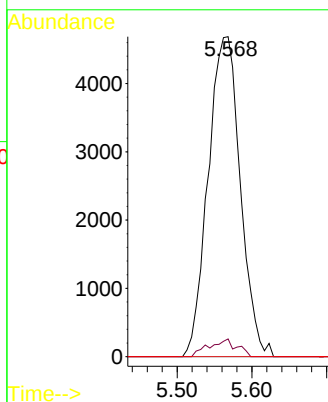
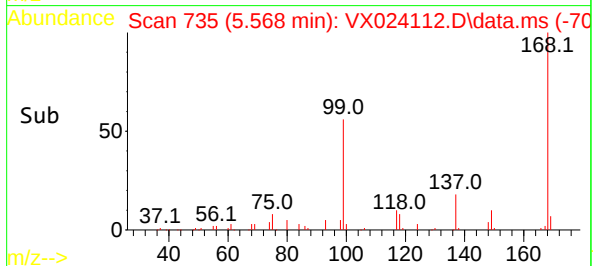


#38
Carbon Tetrachloride
Concen: 6.392 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.122 min
Lab File: VX024112.D
Acq: 03 Sep 2021 19:01

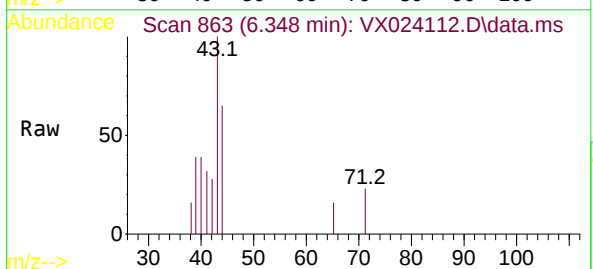
Instrument :
MSVOA_X
ClientSampleId :
99-01



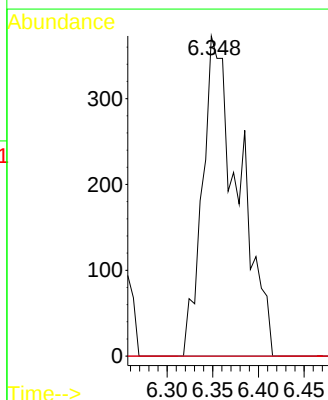
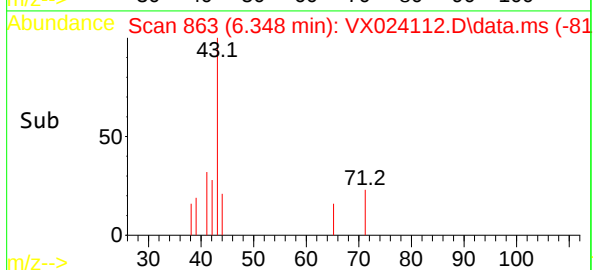
Tgt Ion:117 Resp: 14020
Ion Ratio Lower Upper
117 100
119 5.5 76.2 114.2#
121 0.0 24.8 37.2#

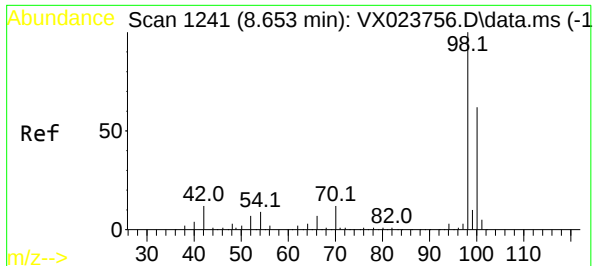


#43
Isopropyl Acetate
Concen: 0.255 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.006 min
Lab File: VX024112.D
Acq: 03 Sep 2021 19:01



Tgt Ion: 43 Resp: 1030
Ion Ratio Lower Upper
43 100
61 0.0 18.2 27.4#
87 0.0 12.5 18.7#

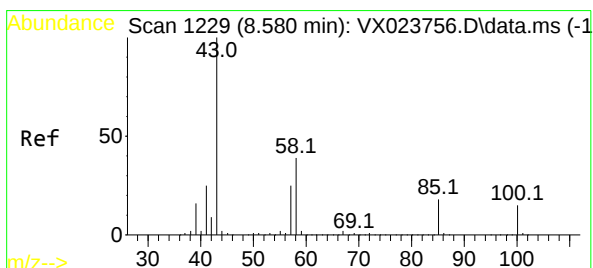
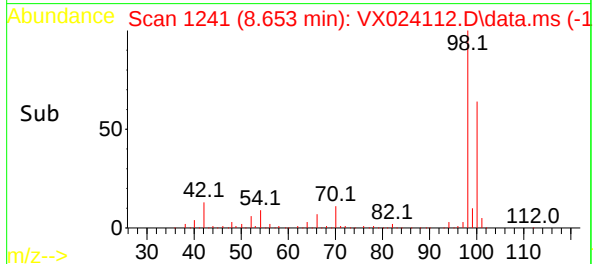
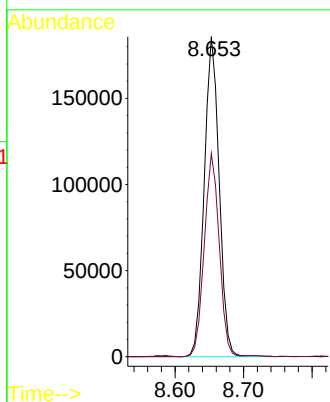
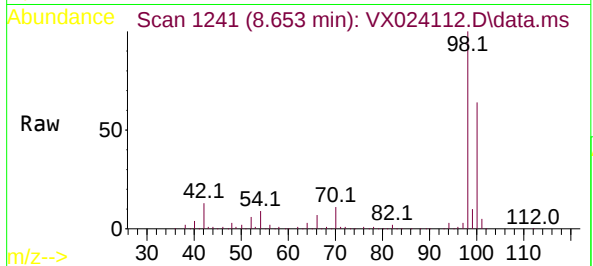




#50
Toluene-d8
Concen: 49.235 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024112.D
Acq: 03 Sep 2021 19:01

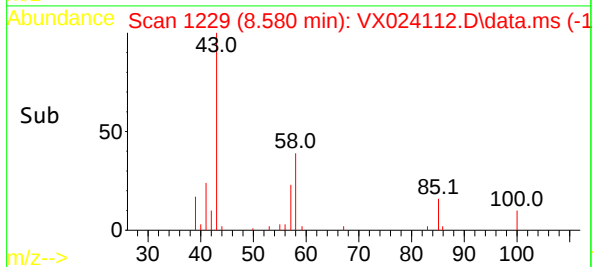
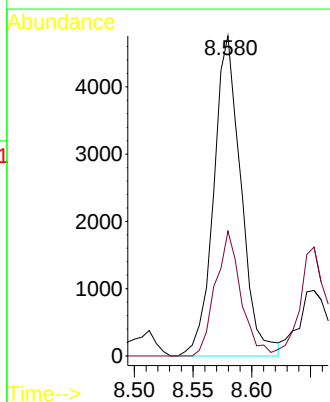
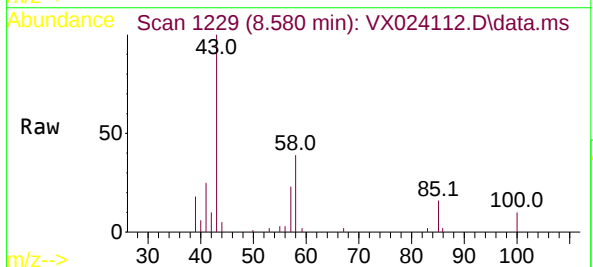
Instrument :
MSVOA_X
ClientSampleId :
99-01

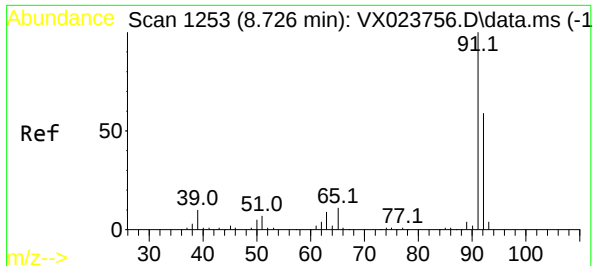
Tgt Ion: 98 Resp: 281696
Ion Ratio Lower Upper
98 100
100 63.6 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 2.948 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX024112.D
Acq: 03 Sep 2021 19:01

Tgt Ion: 43 Resp: 7707
Ion Ratio Lower Upper
43 100
58 36.3 35.4 53.0

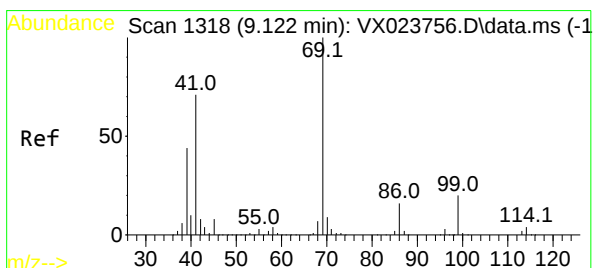
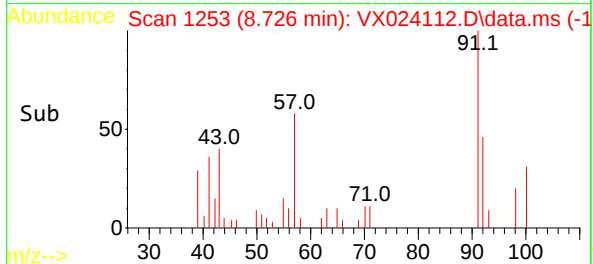
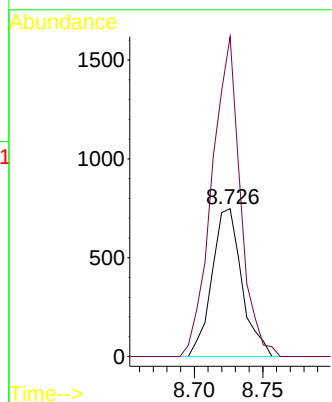
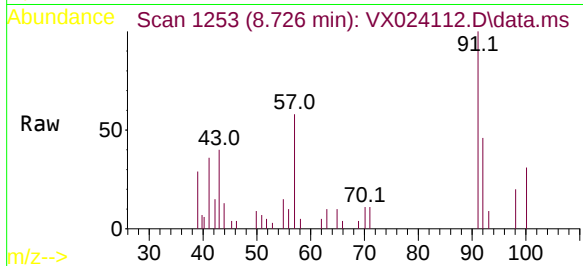




#52
Toluene
Concen: 0.281 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.000 min
Lab File: VX024112.D
Acq: 03 Sep 2021 19:01

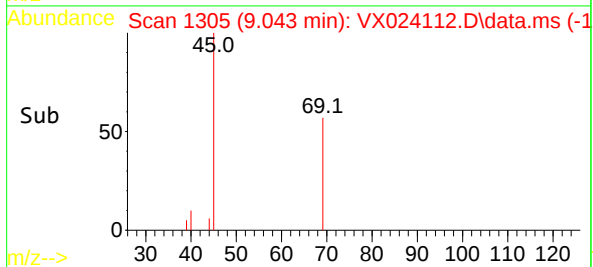
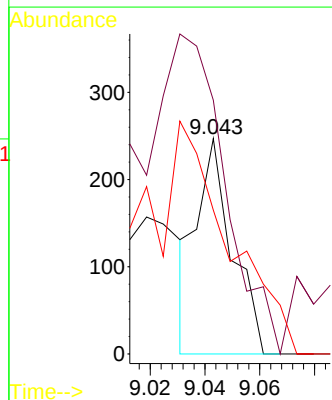
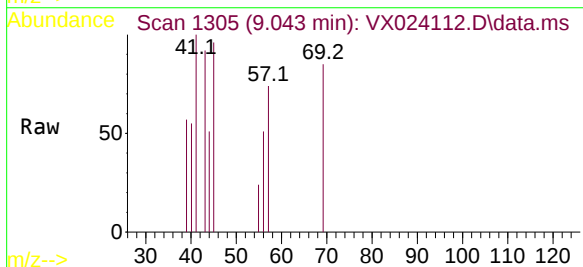
Instrument :
MSVOA_X
ClientSampled :
99-01

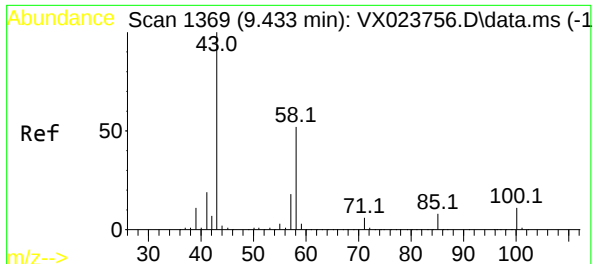
Tgt Ion: 92 Resp: 1133
Ion Ratio Lower Upper
92 100
91 206.2 137.1 205.7#



#56
Ethyl methacrylate
Concen: 0.835 ug/l
RT: 9.043 min Scan# 1305
Delta R.T. -0.079 min
Lab File: VX024112.D
Acq: 03 Sep 2021 19:01

Tgt Ion: 69 Resp: 218
Ion Ratio Lower Upper
69 100
41 0.0 46.8 70.2#
39 0.0 24.7 37.1#

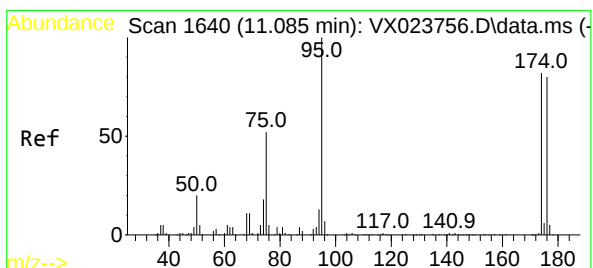
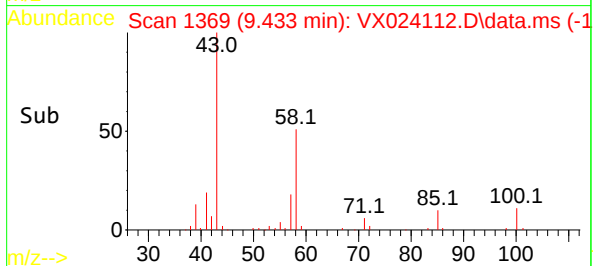
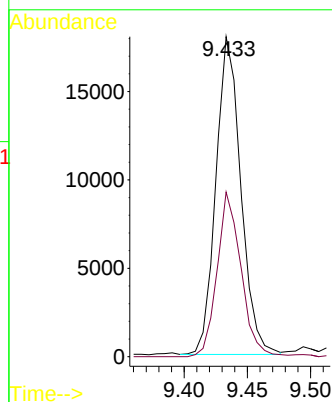
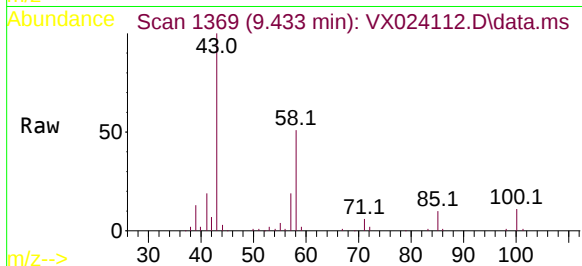




#59
2-Hexanone
Concen: 12.233 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX024112.D
Acq: 03 Sep 2021 19:01

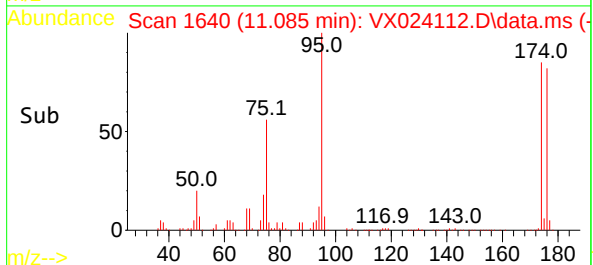
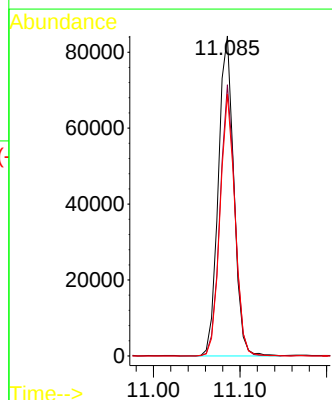
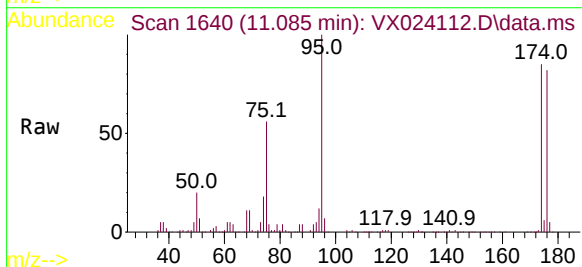
Instrument :
MSVOA_X
ClientSampled :
99-01

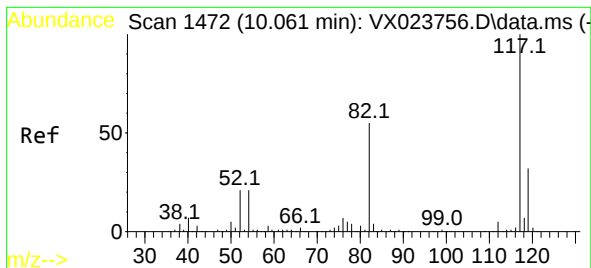
Tgt Ion: 43 Resp: 24581
Ion Ratio Lower Upper
43 100
58 49.6 30.9 92.8



#62
4-Bromofluorobenzene
Concen: 49.859 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024112.D
Acq: 03 Sep 2021 19:01

Tgt Ion: 95 Resp: 105014
Ion Ratio Lower Upper
95 100
174 81.1 0.0 154.6
176 78.7 0.0 155.8

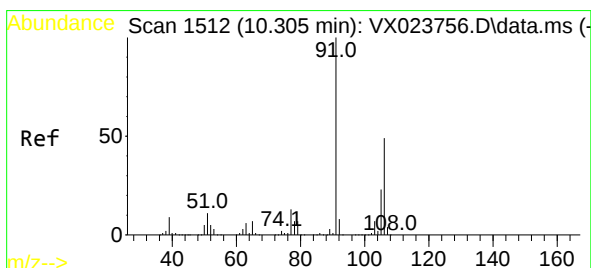
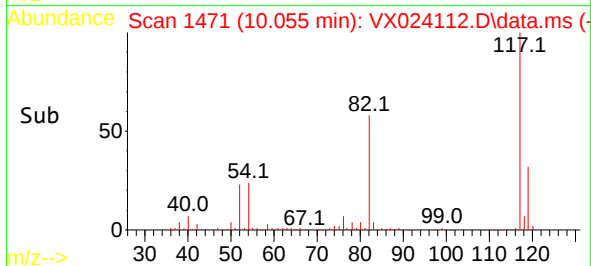
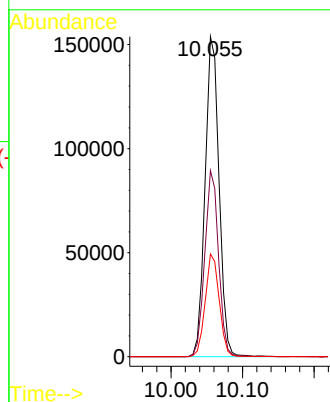
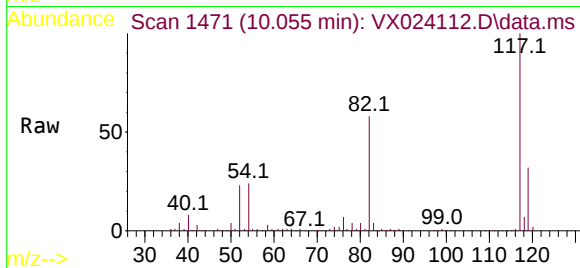




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024112.D
Acq: 03 Sep 2021 19:01

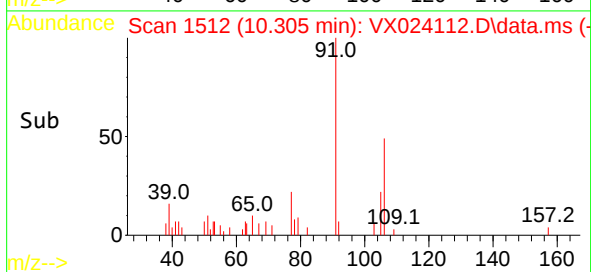
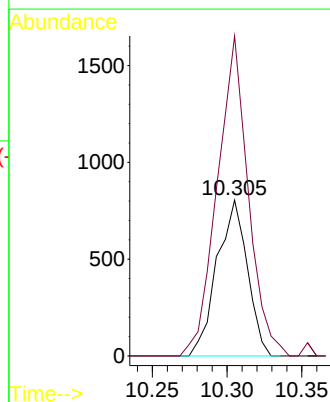
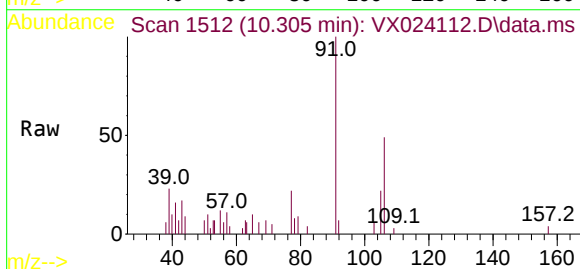
Instrument :
MSVOA_X
ClientSampleId :
99-01

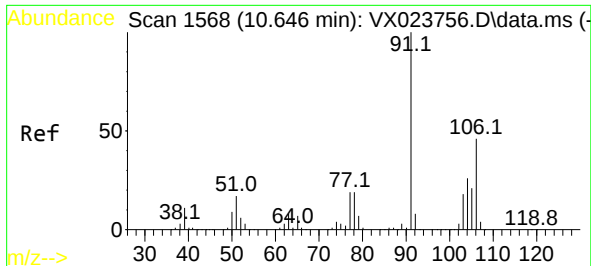
Tgt Ion:117 Resp: 209130
Ion Ratio Lower Upper
117 100
82 58.2 47.4 71.2
119 32.1 26.6 39.8



#68
m/p-Xylenes
Concen: 0.391 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX024112.D
Acq: 03 Sep 2021 19:01

Tgt Ion:106 Resp: 1136
Ion Ratio Lower Upper
106 100
91 209.3 162.8 244.2

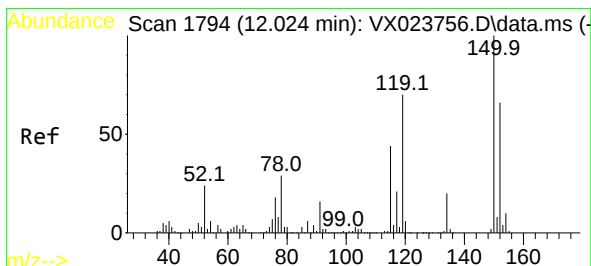
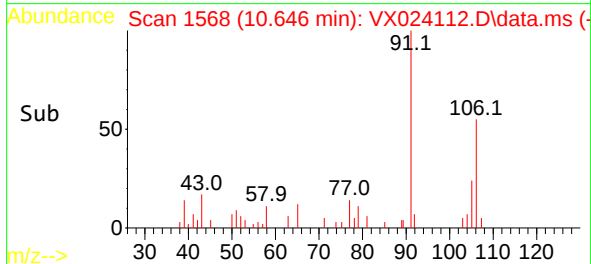
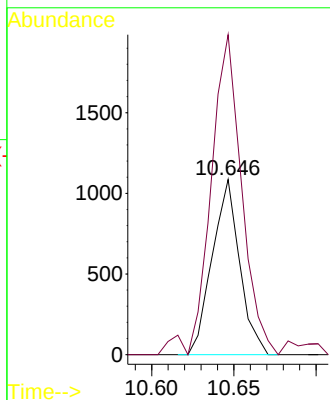
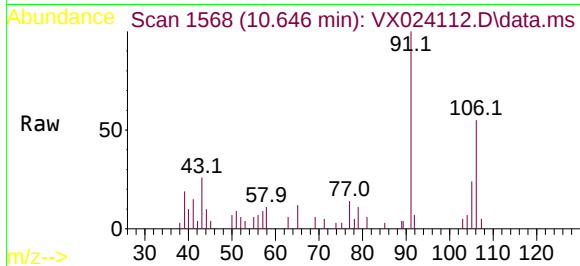




#69
o-Xylene
Concen: 0.442 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX024112.D
Acq: 03 Sep 2021 19:01

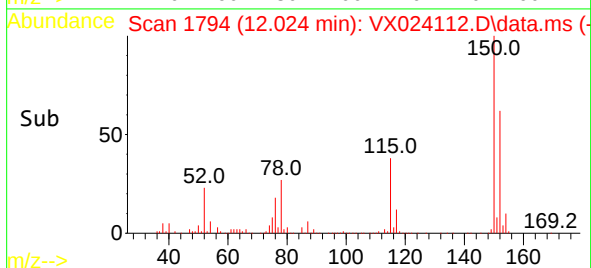
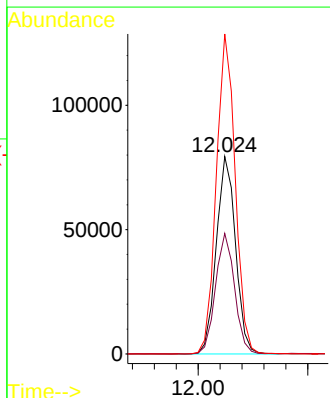
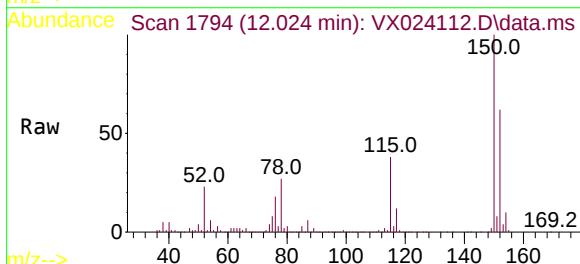
Instrument :
MSVOA_X
ClientSampled :
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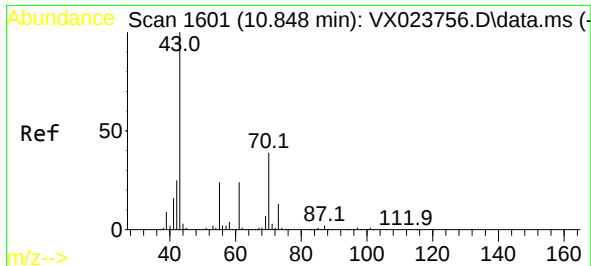
Tgt Ion:106 Resp: 1261
Ion Ratio Lower Upper
106 100
91 205.8 108.1 324.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024112.D
Acq: 03 Sep 2021 19:01

Tgt Ion:152 Resp: 96957
Ion Ratio Lower Upper
152 100
115 60.6 41.1 123.3
150 159.0 0.0 349.0

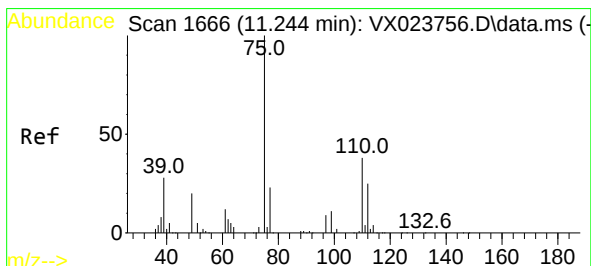
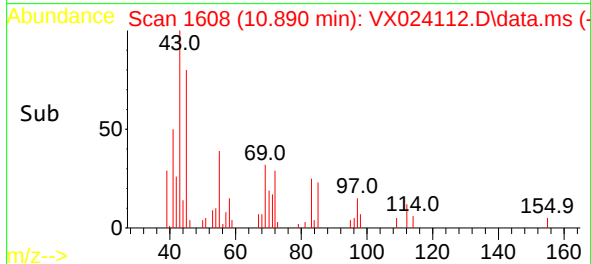
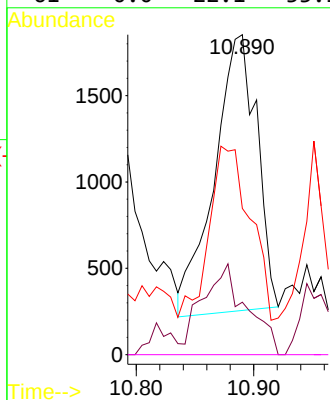
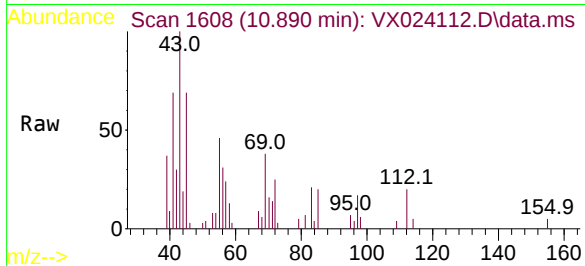




#74
N-amy1 acetate
Concen: 1.204 ug/l
RT: 10.890 min Scan# 1608
Delta R.T. 0.042 min
Lab File: VX024112.D
Acq: 03 Sep 2021 19:01

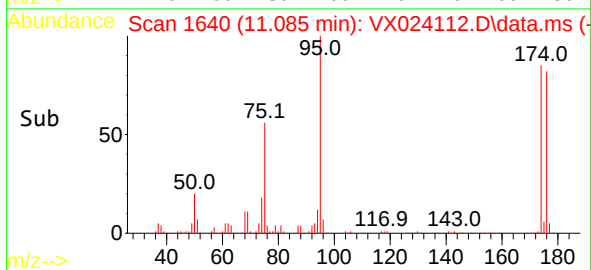
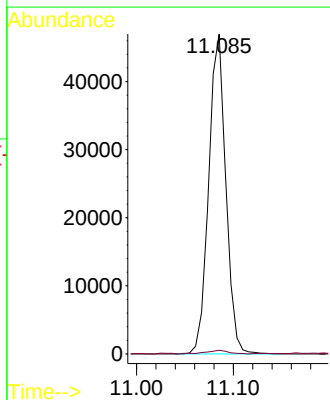
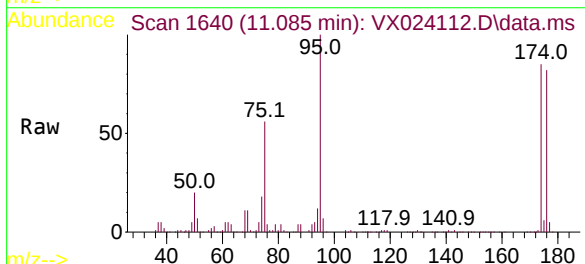
Instrument :
MSVOA_X
ClientSampleId :
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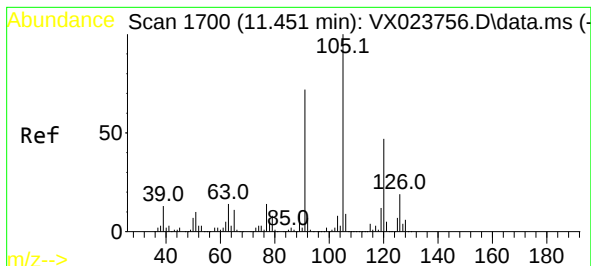
Tgt Ion: 43 Resp: 4024
Ion Ratio Lower Upper
43 100
70 33.7 39.0 58.6#
55 59.0 21.5 32.3#
61 0.0 22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 25.555 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024112.D
Acq: 03 Sep 2021 19:01

Tgt Ion: 75 Resp: 57798
Ion Ratio Lower Upper
75 100
77 1.5 19.1 57.5#

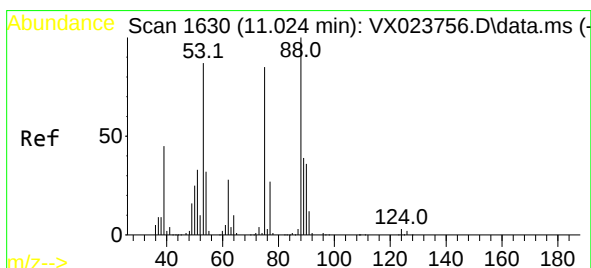
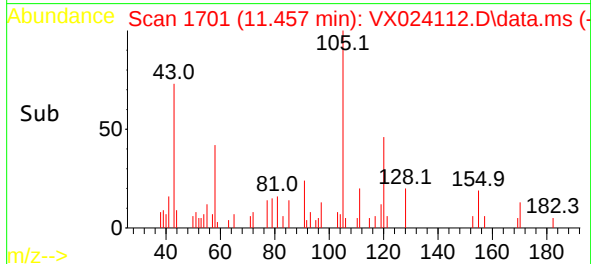
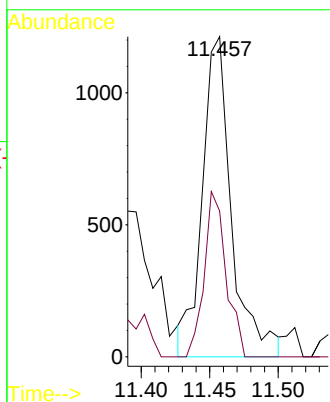
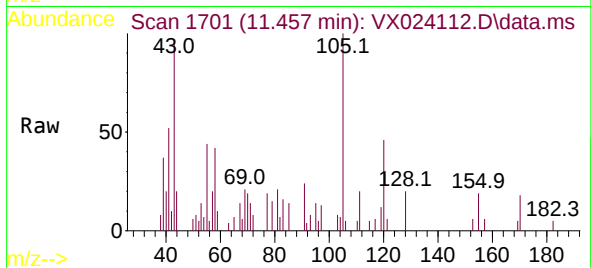




#80
1,3,5-Trimethylbenzene
Concen: 0.296 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX024112.D
Acq: 03 Sep 2021 19:01

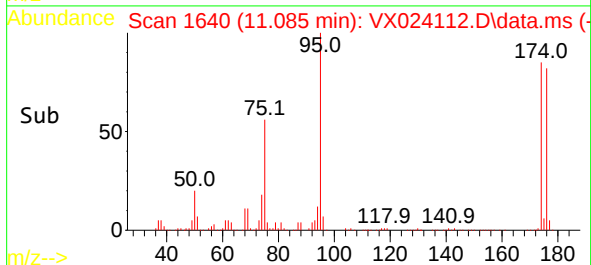
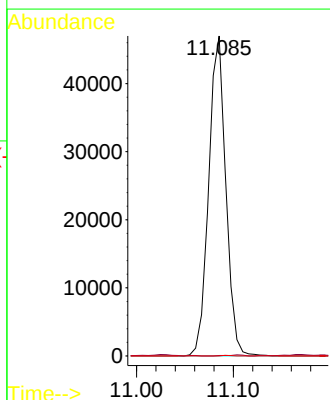
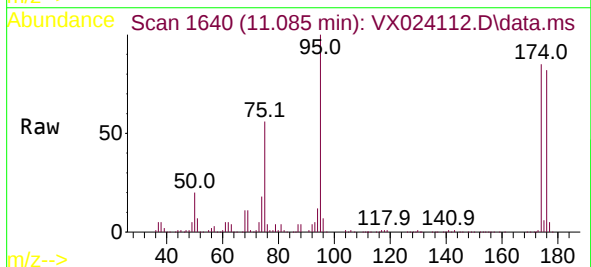
Instrument :
MSVOA_X
ClientSampled :
99-01

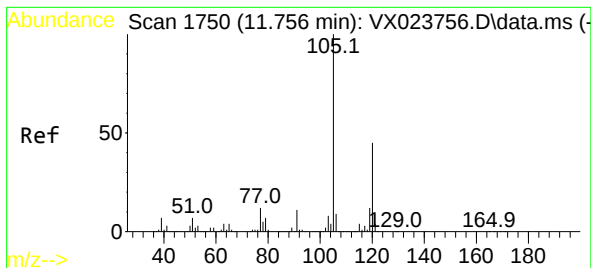
Tgt Ion:105 Resp: 1801
Ion Ratio Lower Upper
105 100
120 38.5 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 75.170 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024112.D
Acq: 03 Sep 2021 19:01

Tgt Ion: 75 Resp: 57798
Ion Ratio Lower Upper
75 100
53 0.3 74.5 111.7#
89 0.1 37.9 56.9#

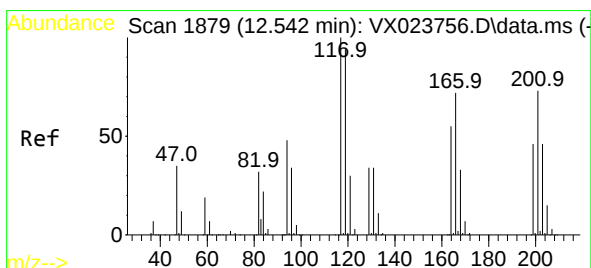
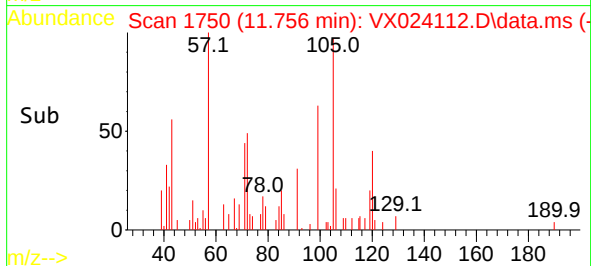
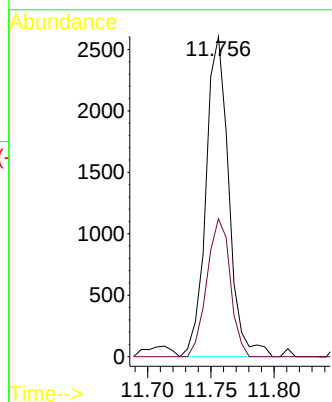
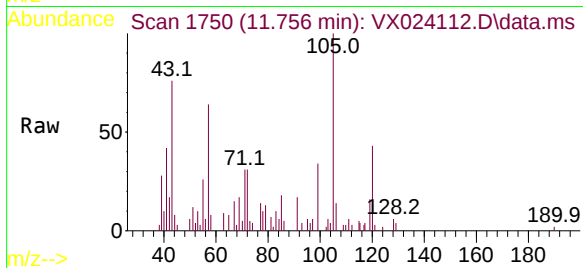




#84
1,2,4-Trimethylbenzene
Concen: 0.540 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX024112.D
Acq: 03 Sep 2021 19:01

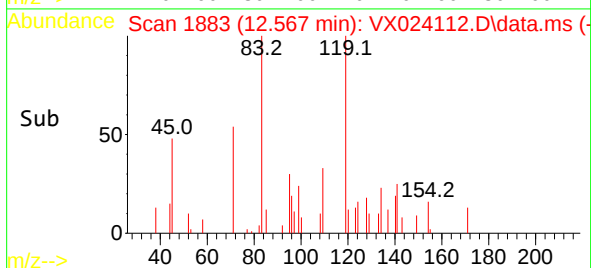
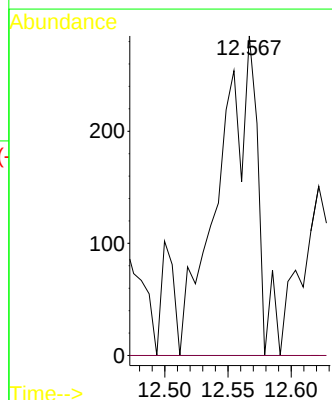
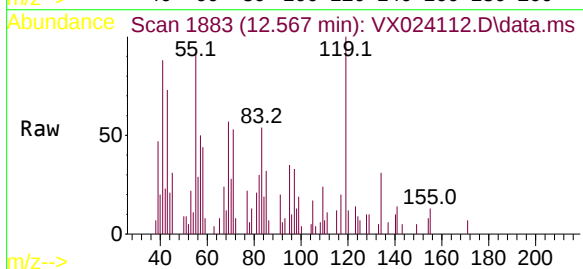
Instrument :
MSVOA_X
ClientSampled :
99-01

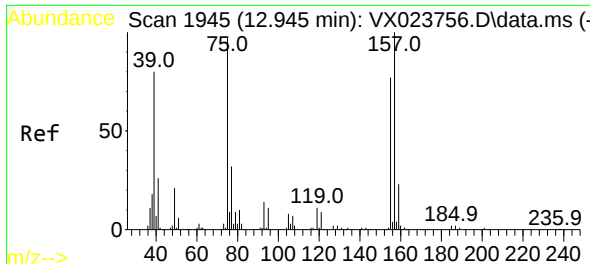
Tgt Ion:105 Resp: 3273
Ion Ratio Lower Upper
105 100
120 43.9 22.4 67.3



#90
Hexachloroethane
Concen: 2.024 ug/l
RT: 12.567 min Scan# 1883
Delta R.T. 0.025 min
Lab File: VX024112.D
Acq: 03 Sep 2021 19:01

Tgt Ion:117 Resp: 616
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#

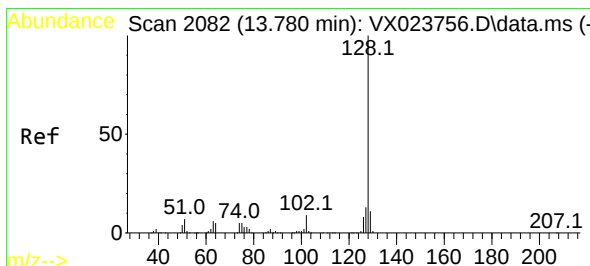
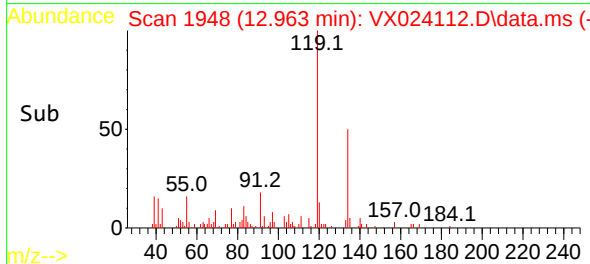
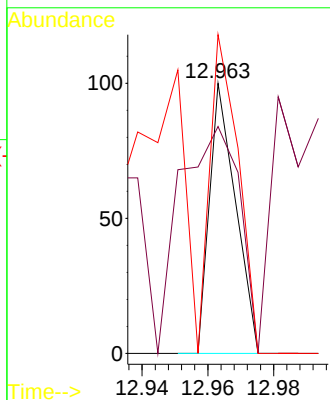
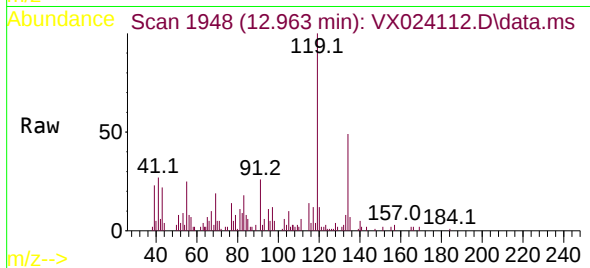




#92
1,2-Dibromo-3-Chloropropane
Concen: 2.254 ug/l
RT: 12.963 min Scan# 1948
Delta R.T. 0.018 min
Lab File: VX024112.D
Acq: 03 Sep 2021 19:01

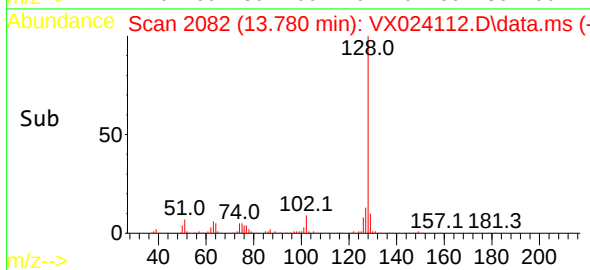
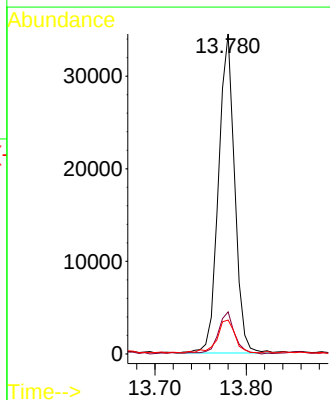
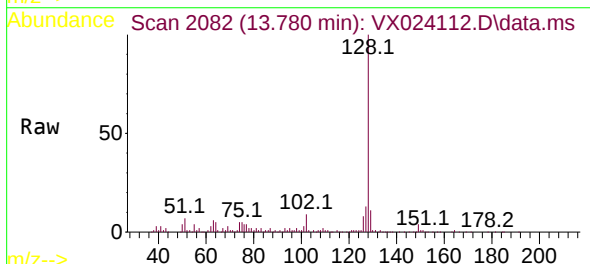
Instrument :
MSVOA_X
ClientSampleId :
99-01

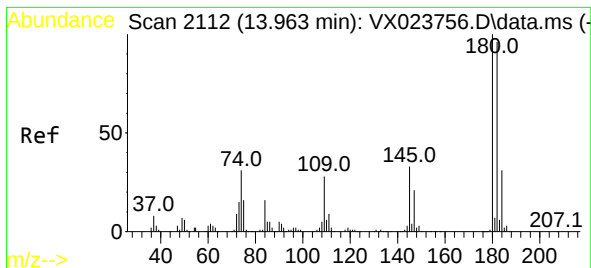
Tgt Ion: 75 Resp: 55
Ion Ratio Lower Upper
75 100
155 190.9 45.3 135.9#
157 129.1 57.7 173.1



#95
Naphthalene
Concen: 7.119 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX024112.D
Acq: 03 Sep 2021 19:01

Tgt Ion: 128 Resp: 42485
Ion Ratio Lower Upper
128 100
127 14.1 10.3 15.5
129 11.4 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.318 ug/l
 RT: 13.975 min Scan# 2114
 Delta R.T. 0.012 min
 Lab File: VX024112.D
 Acq: 03 Sep 2021 19:01

Instrument :
 MSVOA_X
 ClientSampleId :
 99-01

Tgt Ion:180 Resp: 608
 Ion Ratio Lower Upper
 180 100
 182 4.8 47.6 142.9#
 145 266.8 16.1 48.3#

