

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081423\
 Data File : VX036971.D
 Acq On : 14 Aug 2023 17:48
 Operator : JC/MD
 Sample : 03986-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1770

Quant Time: Aug 15 01:30:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

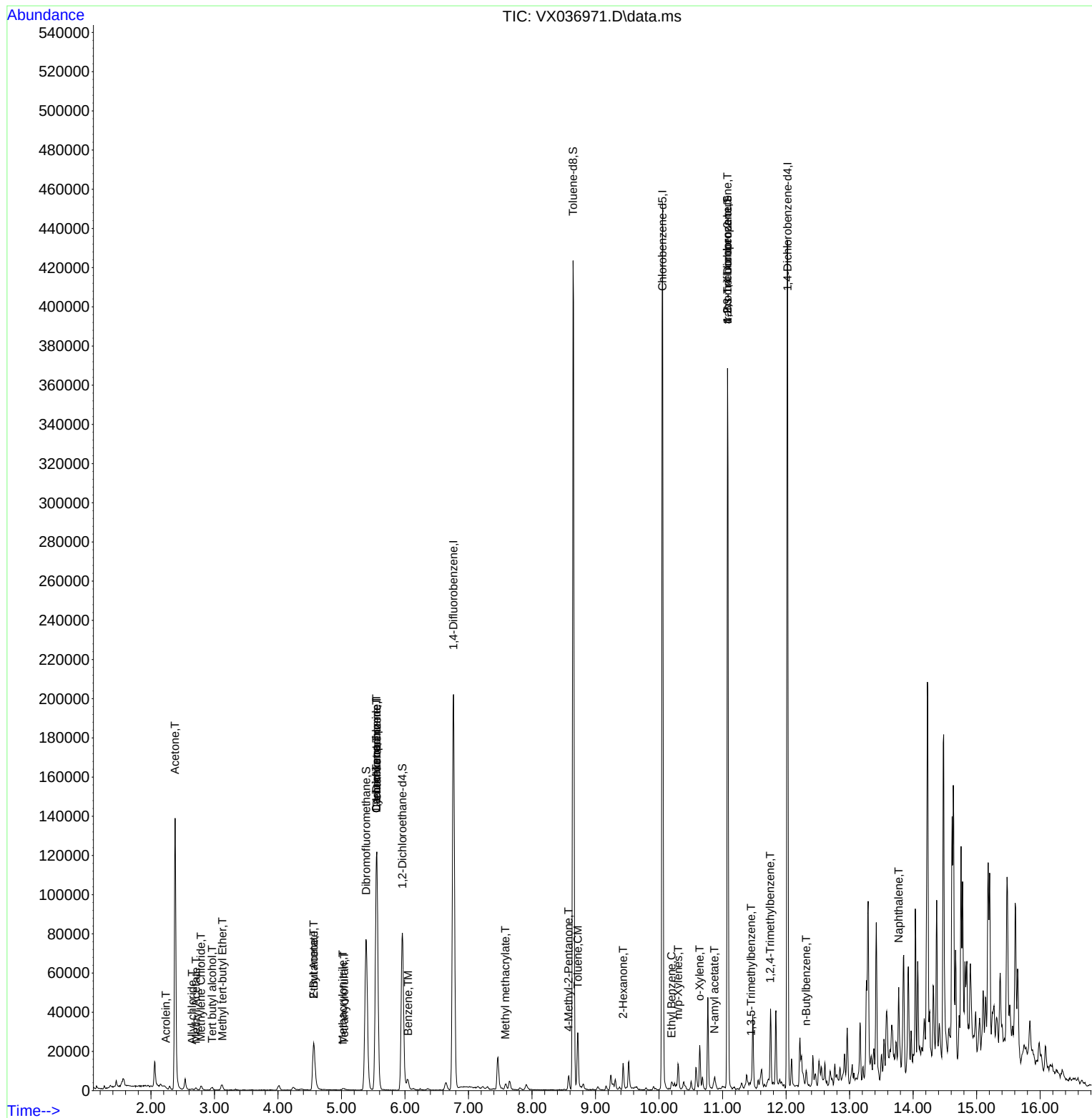
Internal Standards						
1) Pentafluorobenzene	5.556	168	112227	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	208045	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	199213	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92500	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	81126	48.854	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.700%
35) Dibromofluoromethane	5.385	113	67322	47.079	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.160%
50) Toluene-d8	8.647	98	251837	49.662	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.320%
62) 4-Bromofluorobenzene	11.079	95	99982	52.258	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.520%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	1486	3.780	ug/l	99
13) Acrolein	2.233	56	146	0.651	ug/l #	1
14) Allyl chloride	2.648	41	502	0.203	ug/l #	43
16) Acetone	2.380	43	145416	211.032	ug/l	93
18) Methyl Acetate	2.709	43	1269	0.438	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	3206	0.679	ug/l #	91
20) Methylene Chloride	2.788	84	1054	0.688	ug/l	89
25) 2-Butanone	4.562	43	42346	37.877	ug/l #	89
29) Tetrahydrofuran	5.044	42	190	0.264	ug/l #	43
31) Cyclohexane	5.550	56	2465	1.072	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9229	4.330	ug/l #	50
37) Ethyl Acetate	4.562	43	42346	17.553	ug/l #	69
38) Carbon Tetrachloride	5.550	117	12463	5.500	ug/l #	14
40) Benzene	6.050	78	6628	1.069	ug/l #	89
41) Methacrylonitrile	5.019	41	269	0.208	ug/l #	34
48) Methyl methacrylate	7.580	41	895	0.463	ug/l #	43
51) 4-Methyl-2-Pentanone	8.574	43	4570	1.989	ug/l	96
52) Toluene	8.720	92	9826	2.529	ug/l	97
59) 2-Hexanone	9.433	43	7818	4.584	ug/l	96
67) Ethyl Benzene	10.195	91	2128	0.265	ug/l	97
68) m/p-Xylenes	10.299	106	3123	1.043	ug/l	96
69) o-Xylene	10.640	106	4597	1.539	ug/l	98
74) N-amyl acetate	10.872	43	1949	0.546	ug/l #	59
76) 1,2,3-Trichloropropane	11.079	75	51857	23.835	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.451	105	2244	0.350	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	51857	54.023	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.750	105	6774	1.058	ug/l	98
89) n-Butylbenzene	12.317	91	1317	0.228	ug/l #	30
95) Naphthalene	13.774	128	22177	3.315	ug/l #	95

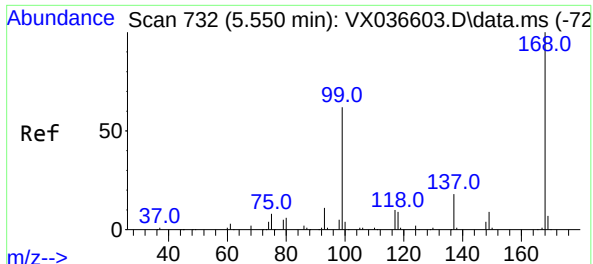
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
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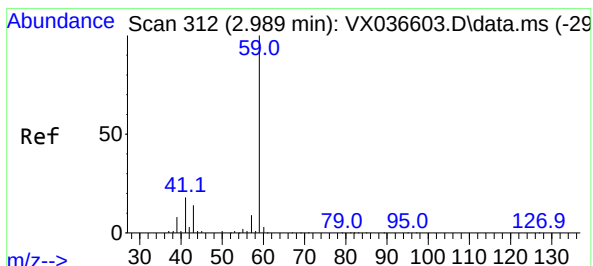
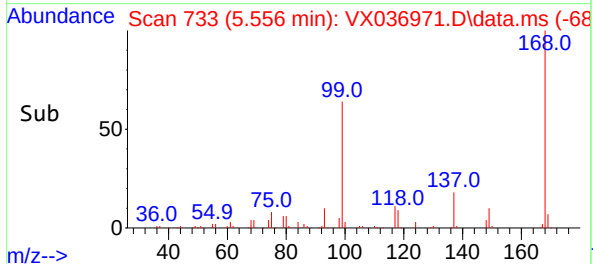
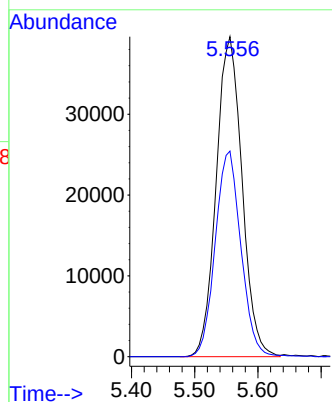
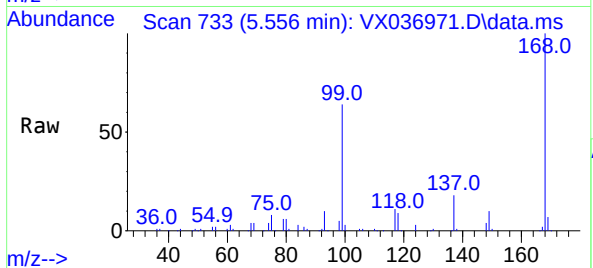




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036971.D
Acq: 14 Aug 2023 17:48

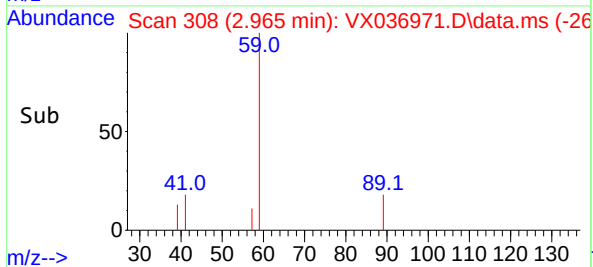
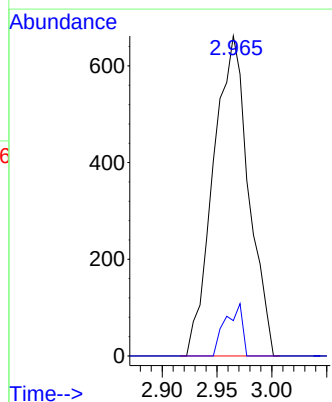
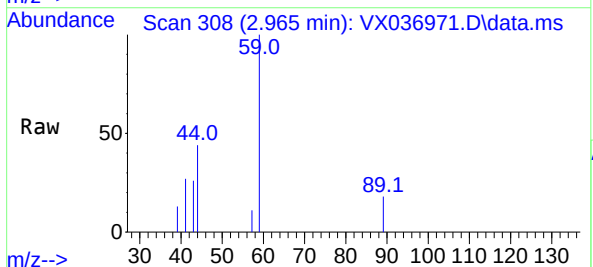
Instrument :
MSVOA_X
ClientSampleId :
1770

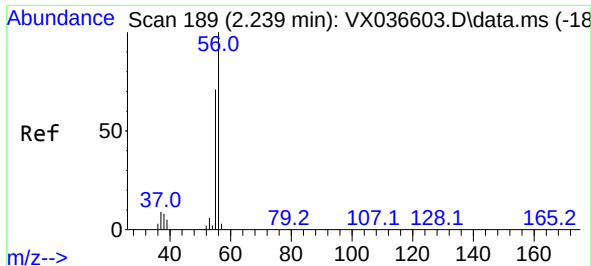
Tgt Ion:168 Resp: 112227
Ion Ratio Lower Upper
168 100
99 64.3 56.6 85.0



#11
Tert butyl alcohol
Concen: 3.780 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.024 min
Lab File: VX036971.D
Acq: 14 Aug 2023 17:48

Tgt Ion: 59 Resp: 1486
Ion Ratio Lower Upper
59 100
57 7.9 6.0 9.0

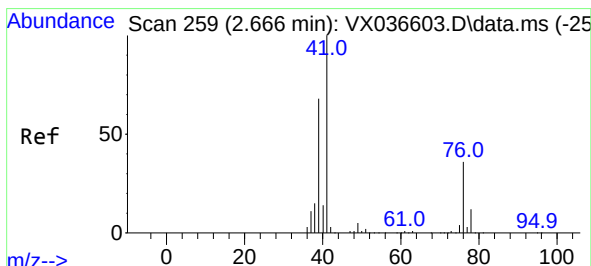
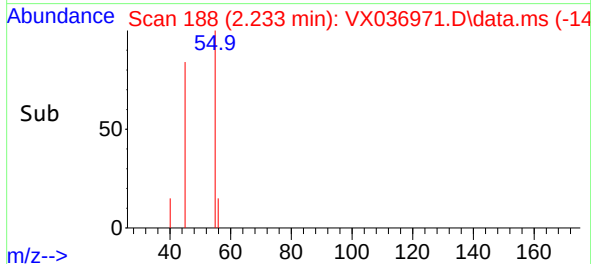
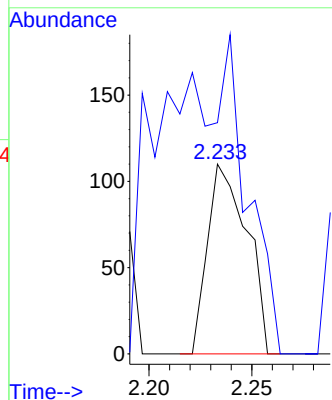
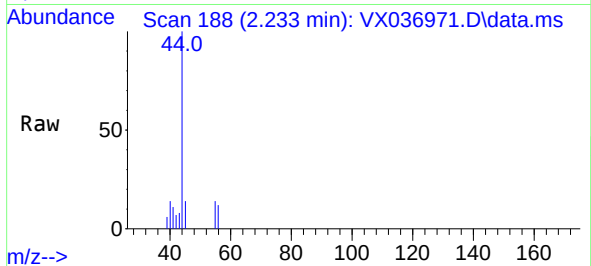




#13
Acrolein
Concen: 0.651 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX036971.D
Acq: 14 Aug 2023 17:48

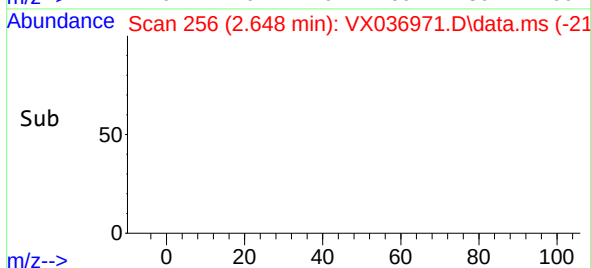
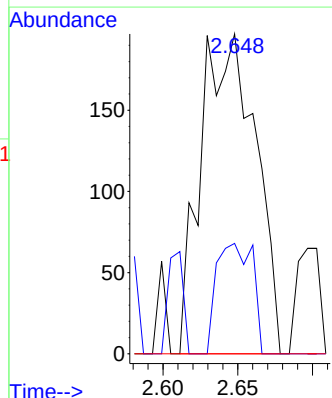
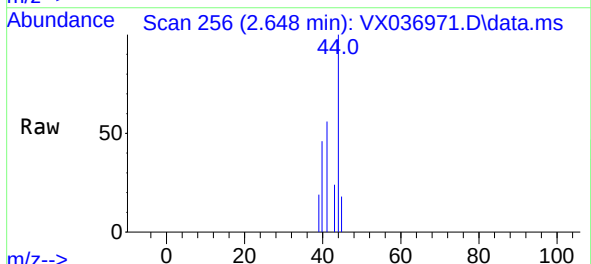
Instrument :
MSVOA_X
ClientSampleId :
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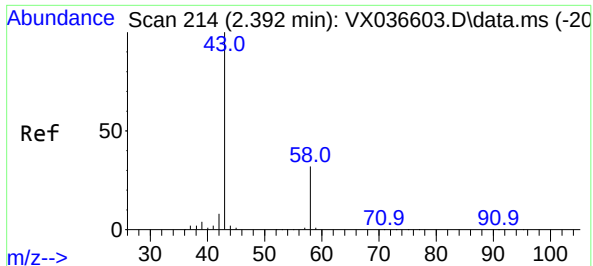
Tgt Ion: 56 Resp: 146
Ion Ratio Lower Upper
56 100
55 350.7 57.1 85.7#



#14
Allyl chloride
Concen: 0.203 ug/l
RT: 2.648 min Scan# 256
Delta R.T. -0.018 min
Lab File: VX036971.D
Acq: 14 Aug 2023 17:48

Tgt Ion: 41 Resp: 502
Ion Ratio Lower Upper
41 100
39 22.7 55.8 83.6#
76 0.0 24.3 36.5#

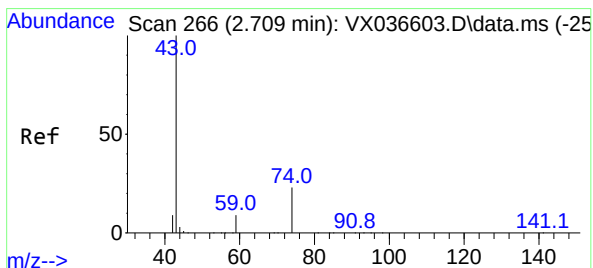
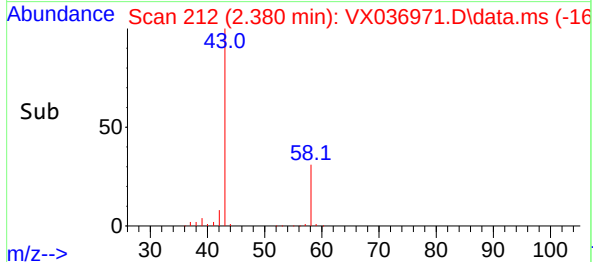
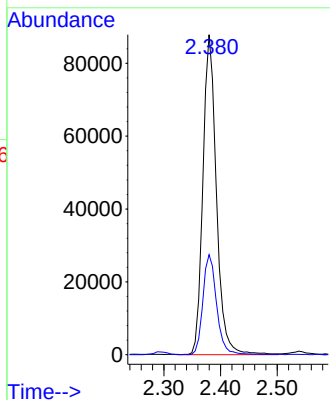
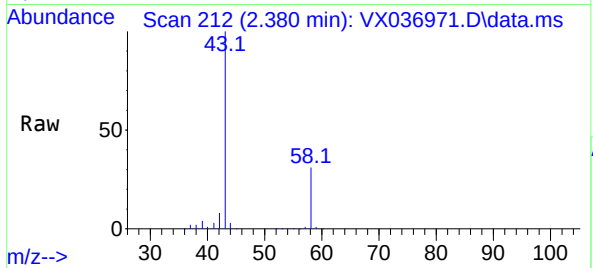




#16
Acetone
Concen: 211.032 ug/l
RT: 2.380 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX036971.D
Acq: 14 Aug 2023 17:48

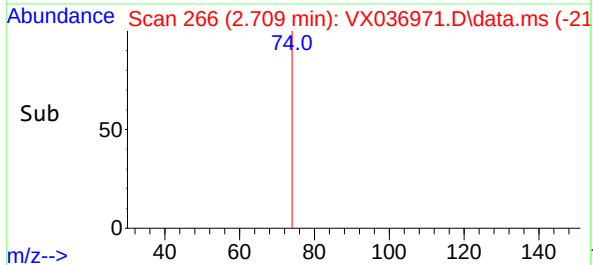
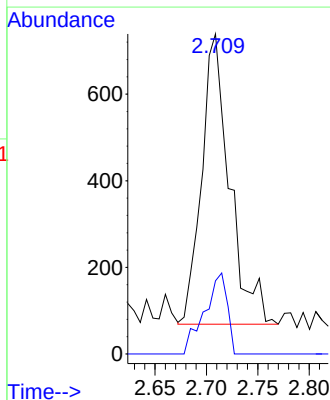
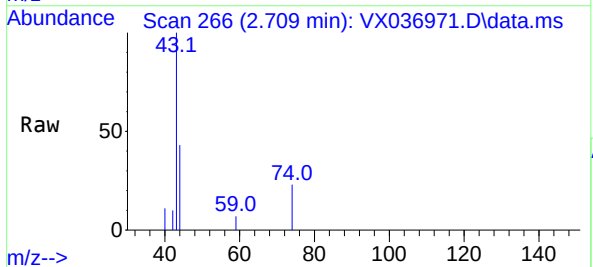
Instrument :
MSVOA_X
ClientSampleId :
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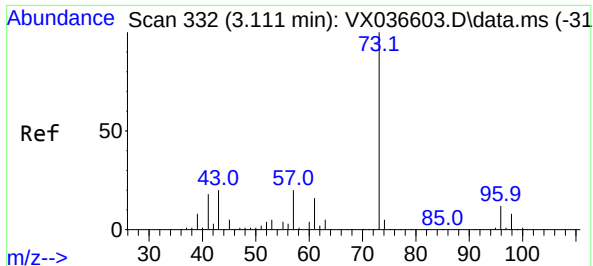
Tgt Ion: 43 Resp: 145416
Ion Ratio Lower Upper
43 100
58 31.2 21.9 32.9



#18
Methyl Acetate
Concen: 0.438 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX036971.D
Acq: 14 Aug 2023 17:48

Tgt Ion: 43 Resp: 1269
Ion Ratio Lower Upper
43 100
74 22.5 17.8 26.8

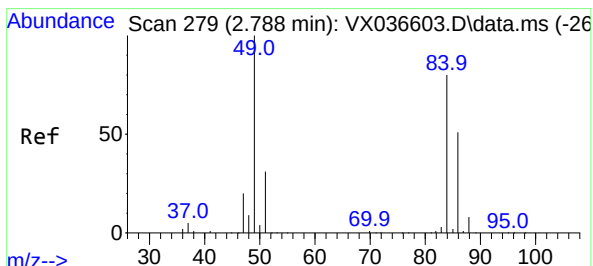
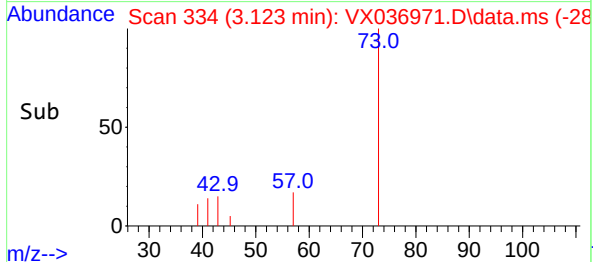
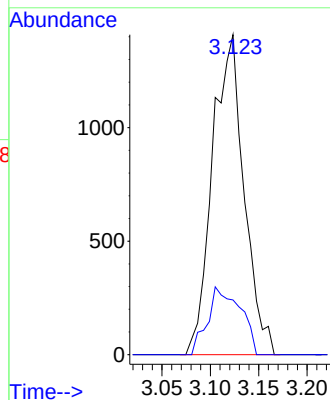
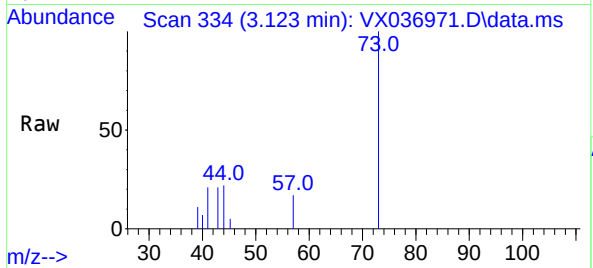




#19
Methyl tert-butyl Ether
Concen: 0.679 ug/l
RT: 3.123 min Scan# 311
Delta R.T. 0.012 min
Lab File: VX036971.D
Acq: 14 Aug 2023 17:48

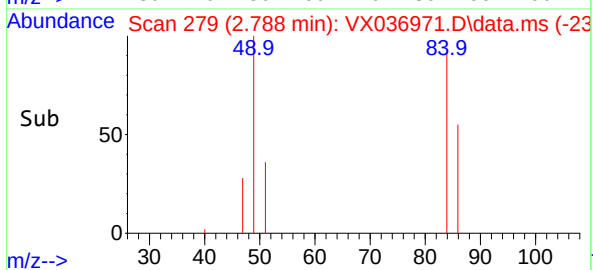
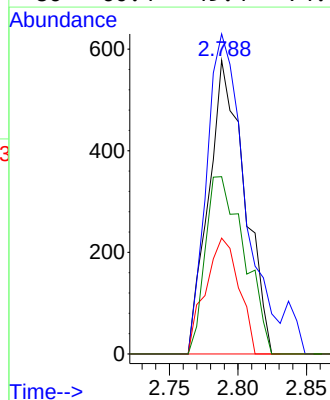
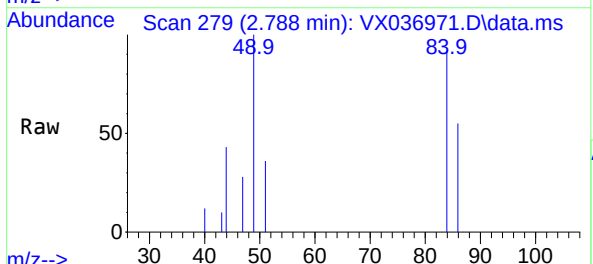
Instrument :
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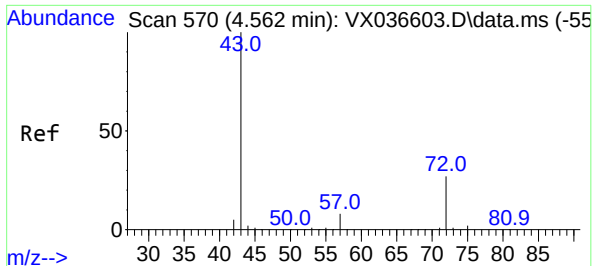
Tgt Ion: 73 Resp: 3206
Ion Ratio Lower Upper
73 100
57 17.1 17.3 25.9#



#20
Methylene Chloride
Concen: 0.688 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX036971.D
Acq: 14 Aug 2023 17:48

Tgt Ion: 84 Resp: 1054
Ion Ratio Lower Upper
84 100
49 109.0 103.6 155.4
51 39.4 33.8 50.6
86 60.4 49.4 74.0

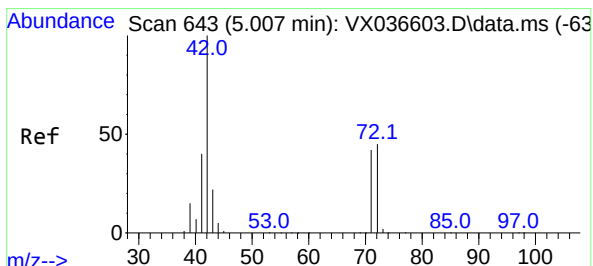
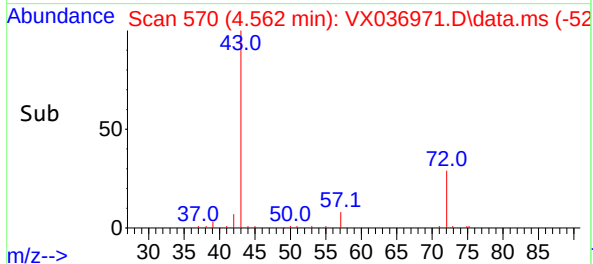
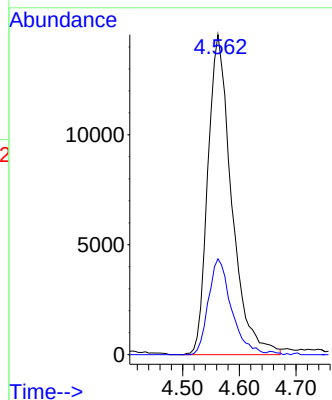
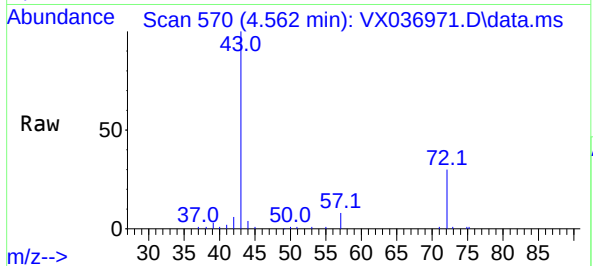




#25
2-Butanone
Concen: 37.877 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX036971.D
Acq: 14 Aug 2023 17:48

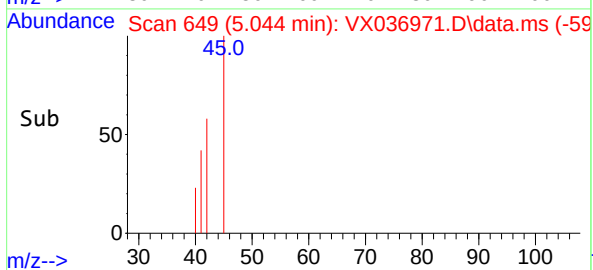
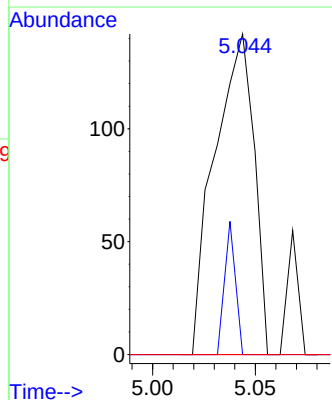
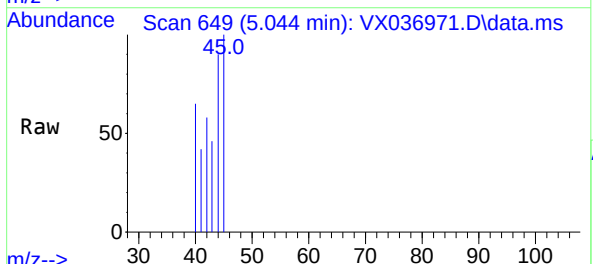
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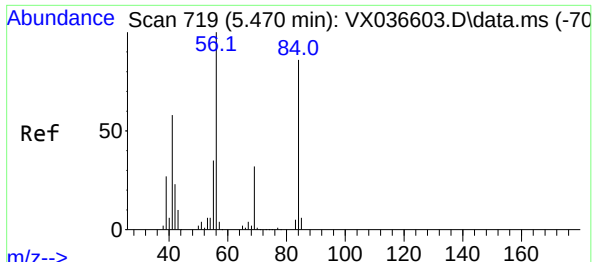
Tgt Ion: 43 Resp: 42346
Ion Ratio Lower Upper
43 100
72 29.9 19.4 29.2#



#29
Tetrahydrofuran
Concen: 0.264 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.037 min
Lab File: VX036971.D
Acq: 14 Aug 2023 17:48

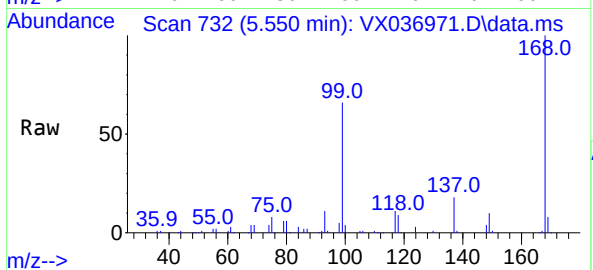
Tgt Ion: 42 Resp: 190
Ion Ratio Lower Upper
42 100
72 11.6 34.2 51.4#
71 0.0 32.2 48.2#



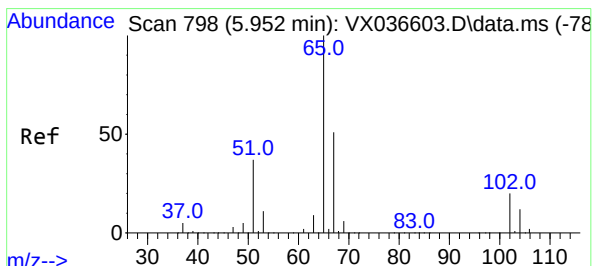
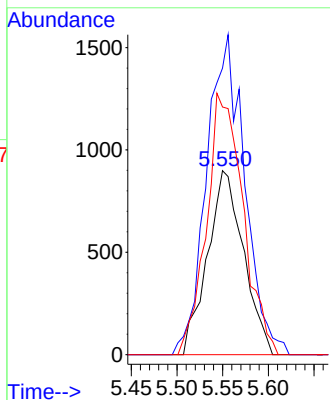
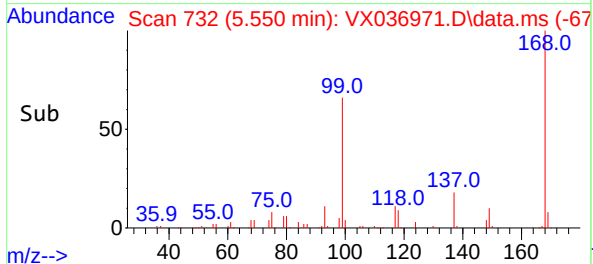


#31
Cyclohexane
Concen: 1.072 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX036971.D
Acq: 14 Aug 2023 17:48

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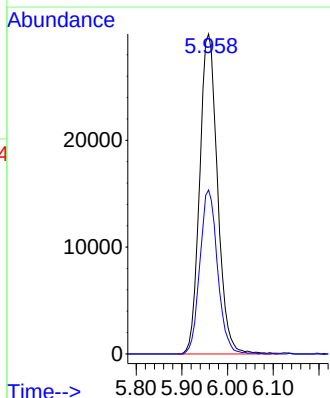
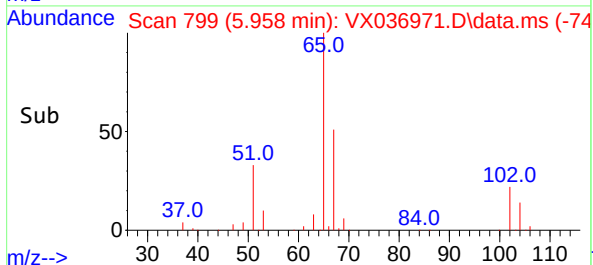
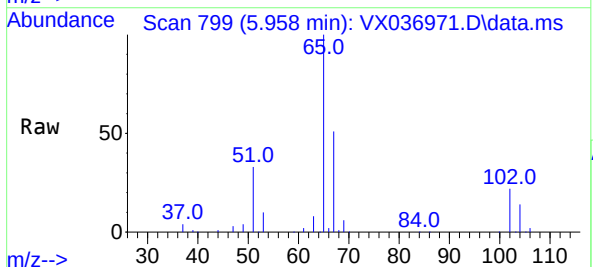


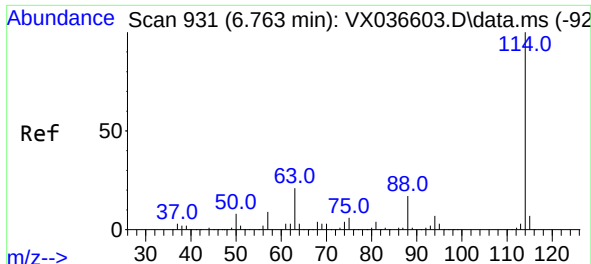
Tgt Ion: 56 Resp: 2465
Ion Ratio Lower Upper
56 100
69 149.3 23.4 35.2#
84 134.6 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 48.854 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036971.D
Acq: 14 Aug 2023 17:48

Tgt Ion: 65 Resp: 81126
Ion Ratio Lower Upper
65 100
67 50.7 0.0 100.2

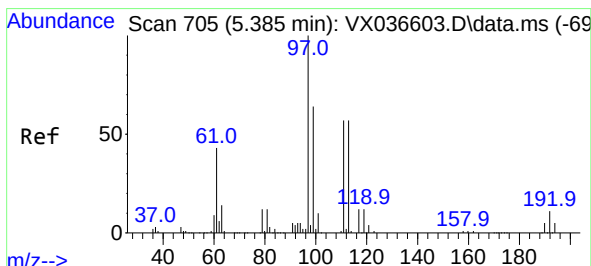
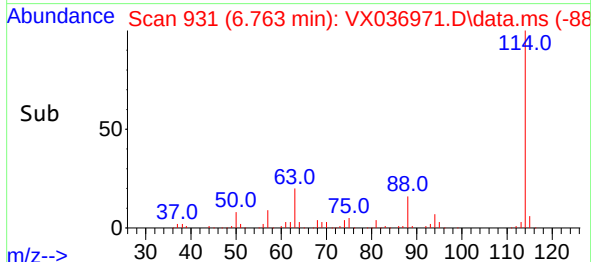
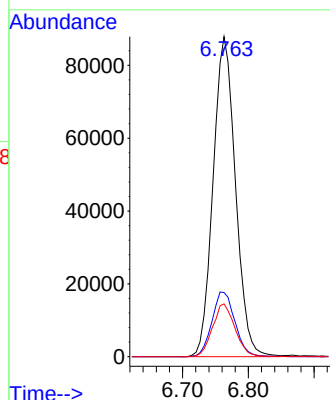
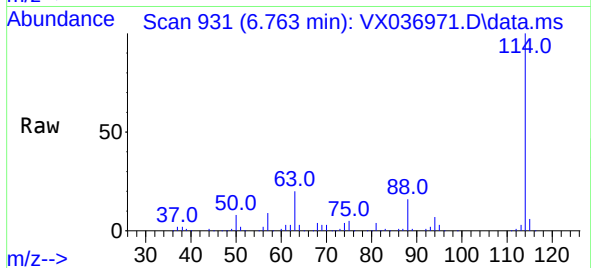




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX036971.D
Acq: 14 Aug 2023 17:48

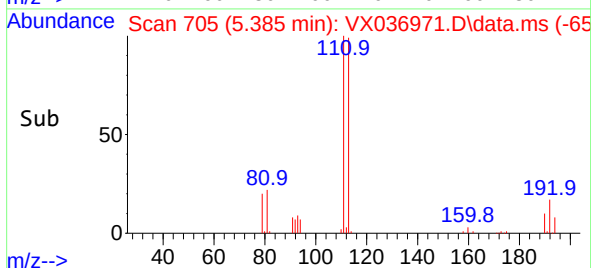
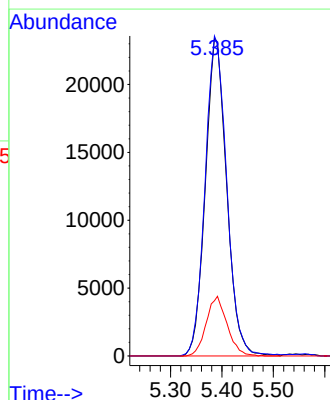
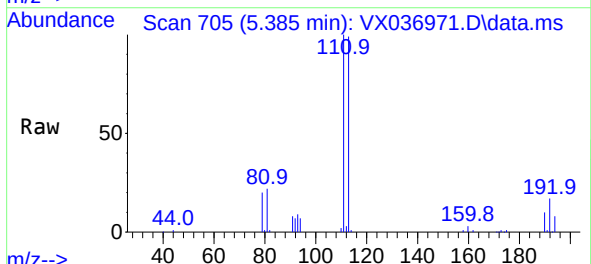
Instrument :
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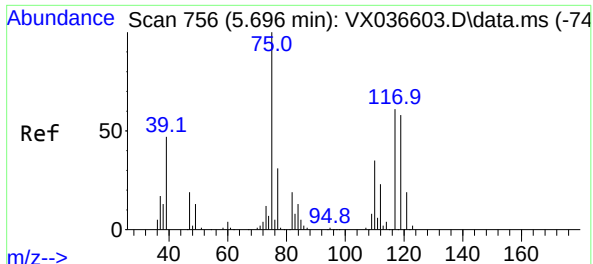
Tgt Ion:114 Resp: 208045
Ion Ratio Lower Upper
114 100
63 20.0 0.0 45.0
88 16.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.079 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036971.D
Acq: 14 Aug 2023 17:48

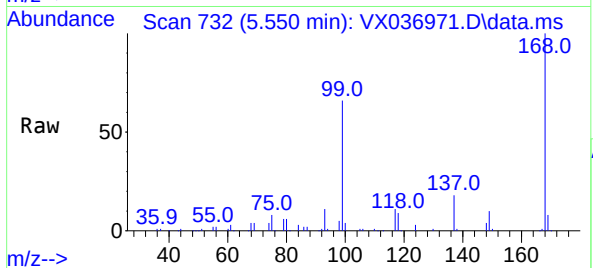
Tgt Ion:113 Resp: 67322
Ion Ratio Lower Upper
113 100
111 102.5 82.9 124.3
192 18.4 13.3 19.9



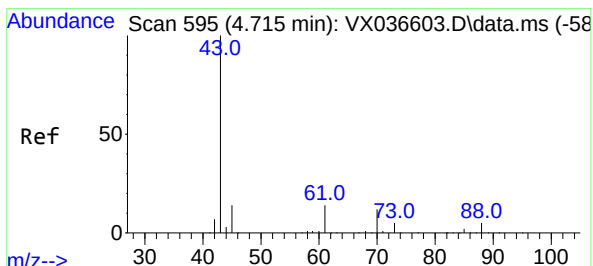
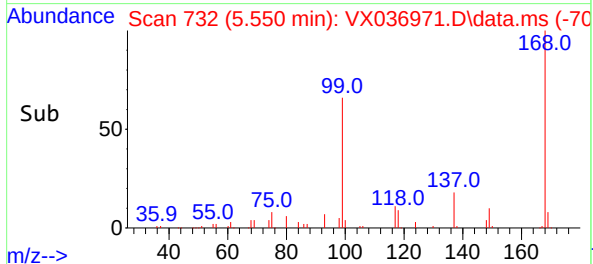
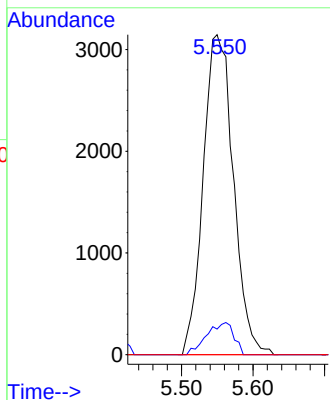


#36
1,1-Dichloropropene
Concen: 4.330 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX036971.D
Acq: 14 Aug 2023 17:48

Instrument :
MSVOA_X
ClientSampleId :
1770

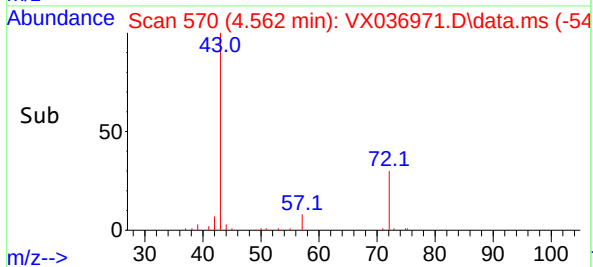
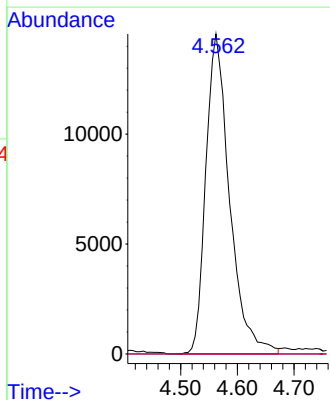
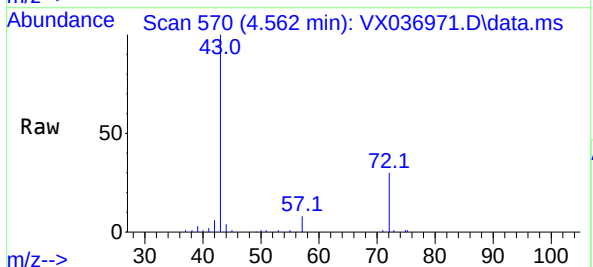


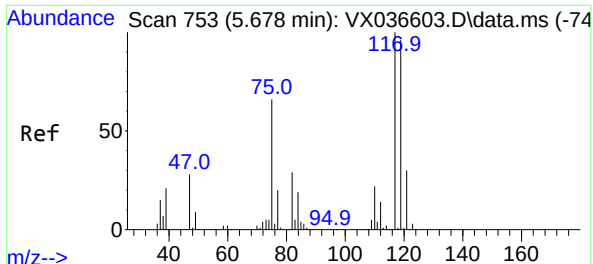
Tgt Ion: 75 Resp: 9229
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 17.553 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.152 min
Lab File: VX036971.D
Acq: 14 Aug 2023 17:48

Tgt Ion: 43 Resp: 42346
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#

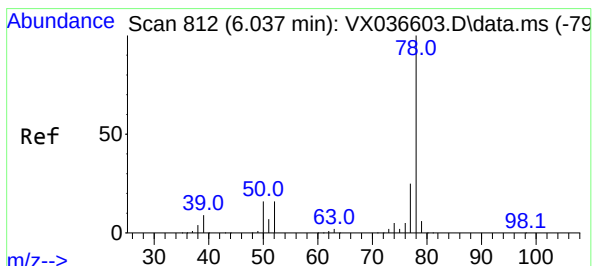
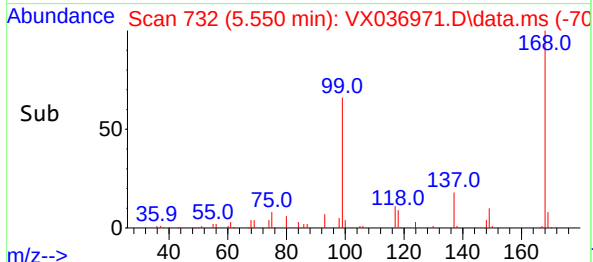
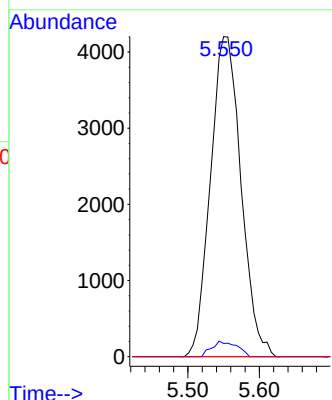
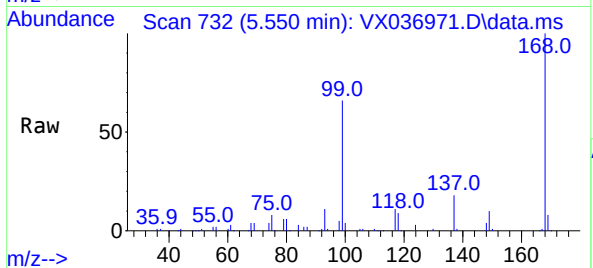




#38
Carbon Tetrachloride
Concen: 5.500 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX036971.D
Acq: 14 Aug 2023 17:48

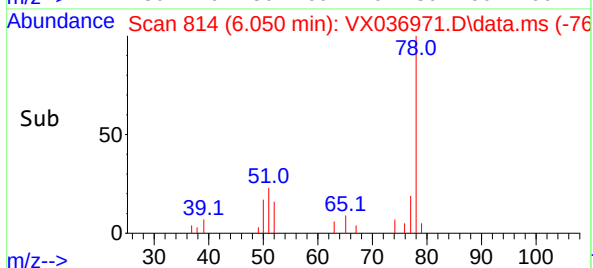
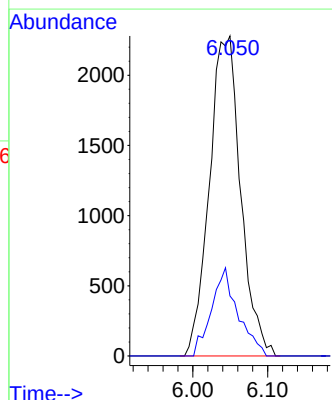
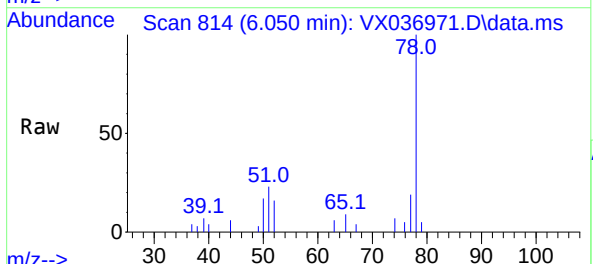
Instrument :
MSVOA_X
ClientSampleId :
1770

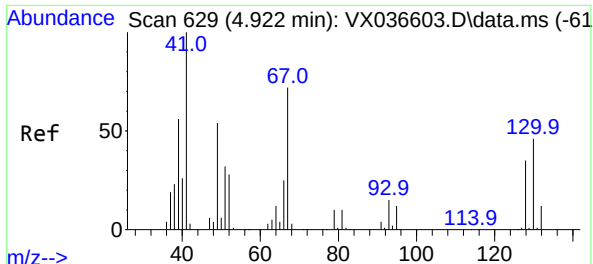
Tgt Ion:117 Resp: 12463
Ion Ratio Lower Upper
117 100
119 4.1 78.2 117.2#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 1.069 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.012 min
Lab File: VX036971.D
Acq: 14 Aug 2023 17:48

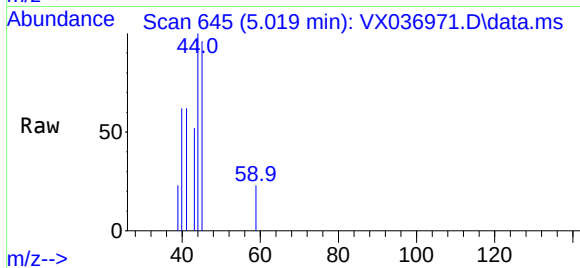
Tgt Ion: 78 Resp: 6628
Ion Ratio Lower Upper
78 100
77 18.8 19.3 28.9#



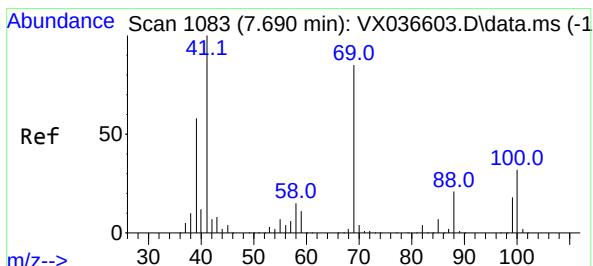
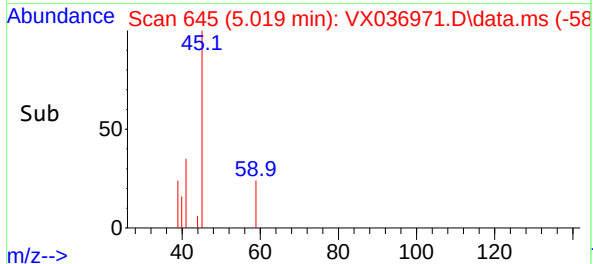
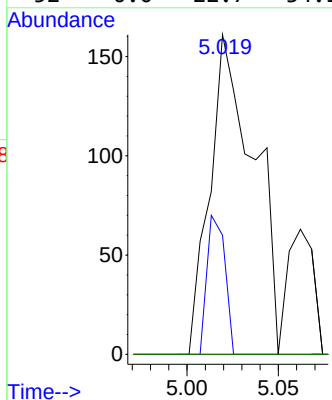


#41
Methacrylonitrile
Concen: 0.208 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.098 min
Lab File: VX036971.D
Acq: 14 Aug 2023 17:48

Instrument :
MSVOA_X
ClientSampleId :
1770

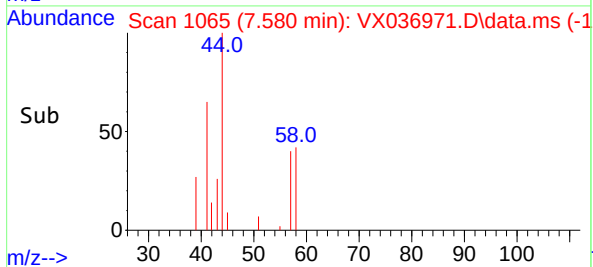
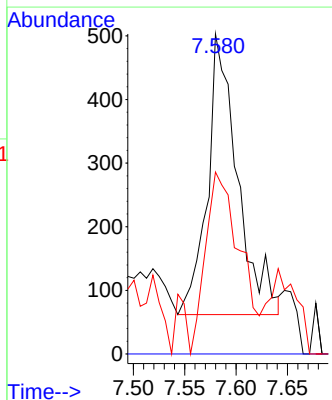
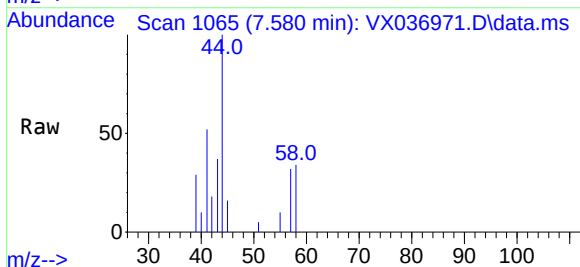


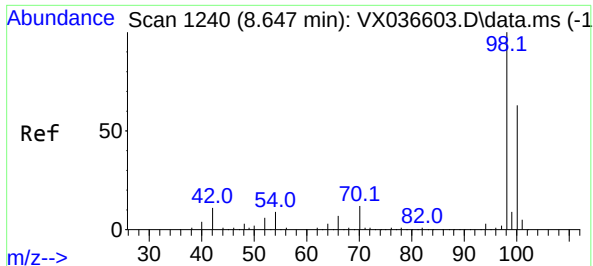
Tgt Ion:	41	Resp:	269
Ion	Ratio	Lower	Upper
41	100		
39	17.8	45.2	67.8#
67	0.0	52.6	78.8#
52	0.0	22.7	34.1#



#48
Methyl methacrylate
Concen: 0.463 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.110 min
Lab File: VX036971.D
Acq: 14 Aug 2023 17:48

Tgt Ion:	41	Resp:	895
Ion	Ratio	Lower	Upper
41	100		
69	0.0	59.2	88.8#
39	74.6	47.7	71.5#

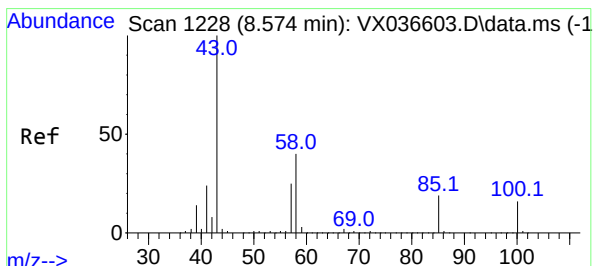
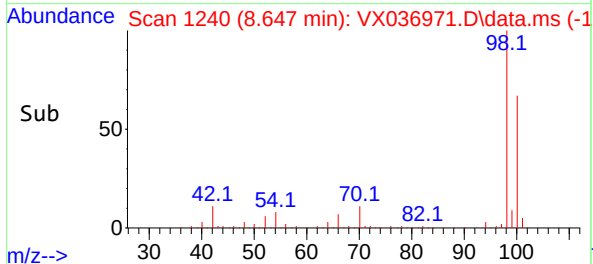
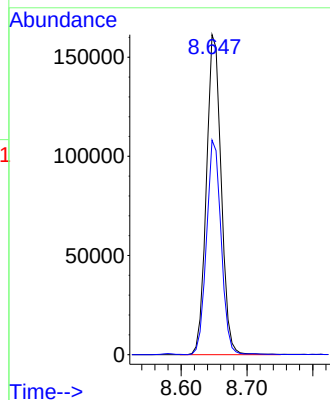
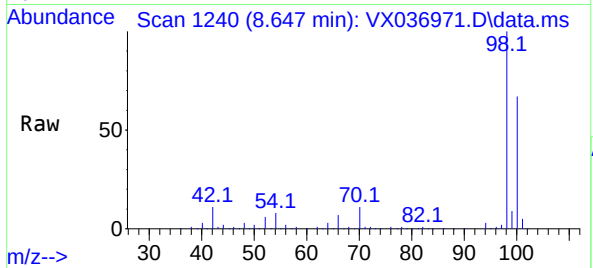




#50
Toluene-d8
Concen: 49.662 ug/l
RT: 8.647 min Scan# 11770
Delta R.T. 0.000 min
Lab File: VX036971.D
Acq: 14 Aug 2023 17:48

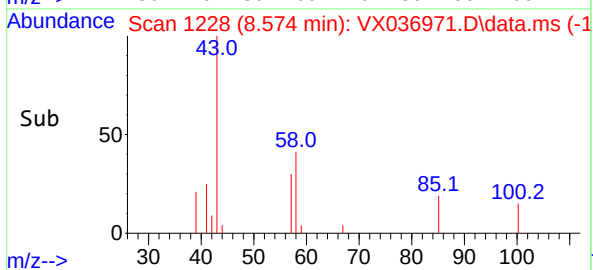
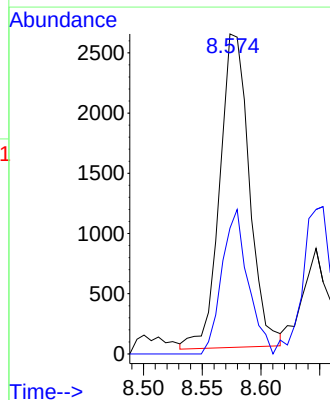
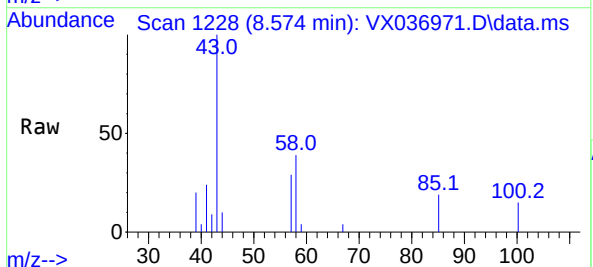
Instrument :
MSVOA_X
ClientSampleId :
1770

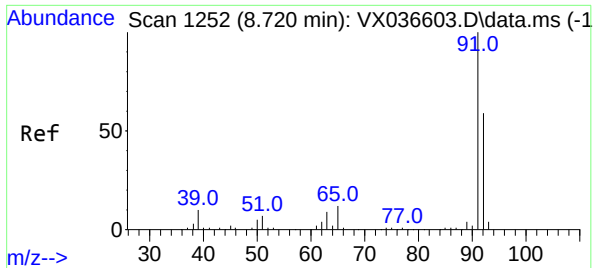
Tgt Ion: 98 Resp: 251837
Ion Ratio Lower Upper
98 100
100 66.6 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 1.989 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX036971.D
Acq: 14 Aug 2023 17:48

Tgt Ion: 43 Resp: 4570
Ion Ratio Lower Upper
43 100
58 40.4 30.4 45.6

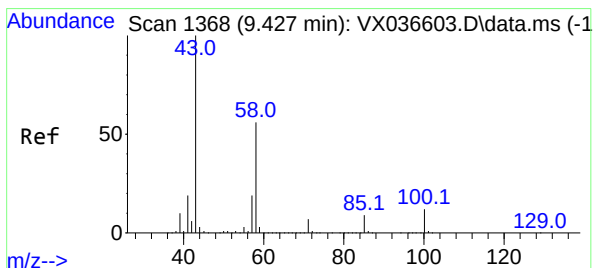
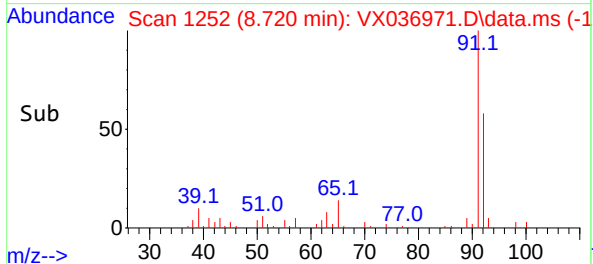
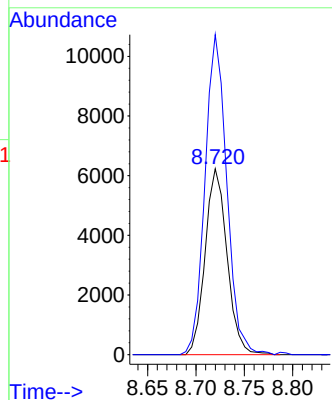
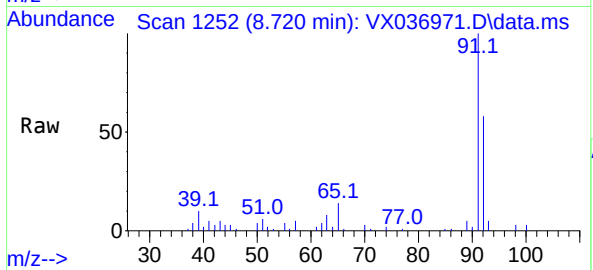




#52
Toluene
Concen: 2.529 ug/l
RT: 8.720 min Scan# 11770
Delta R.T. 0.000 min
Lab File: VX036971.D
Acq: 14 Aug 2023 17:48

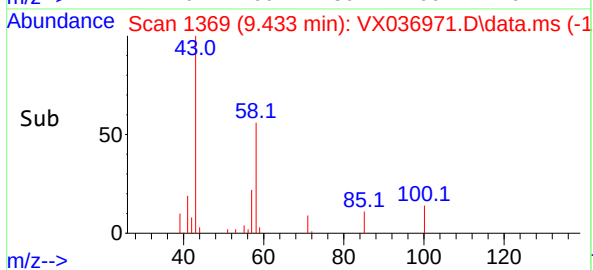
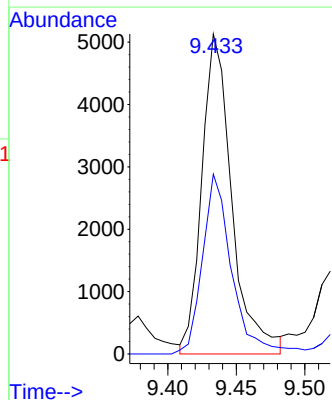
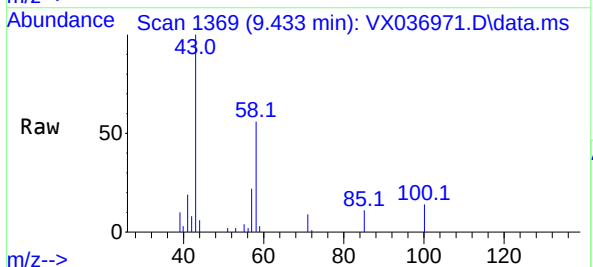
Instrument :
MSVOA_X
ClientSampleId :
1770

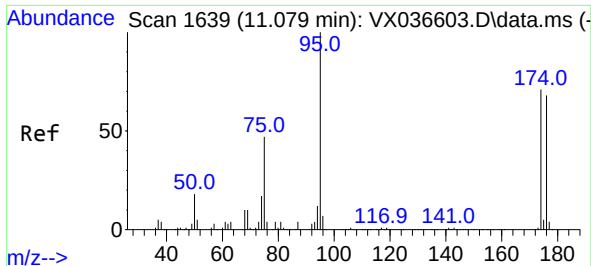
Tgt Ion: 92 Resp: 9826
Ion Ratio Lower Upper
92 100
91 171.1 134.2 201.2



#59
2-Hexanone
Concen: 4.584 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX036971.D
Acq: 14 Aug 2023 17:48

Tgt Ion: 43 Resp: 7818
Ion Ratio Lower Upper
43 100
58 54.9 26.2 78.5

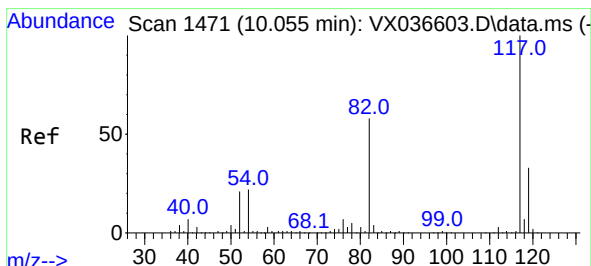
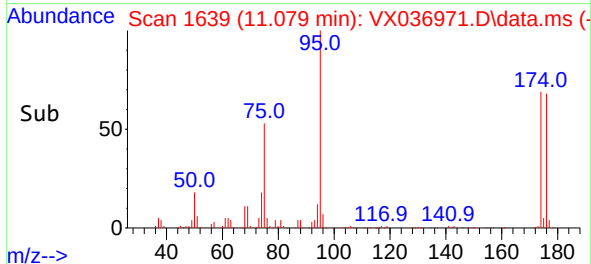
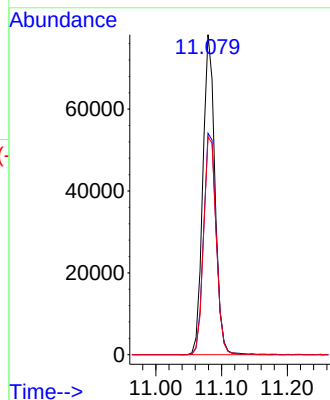
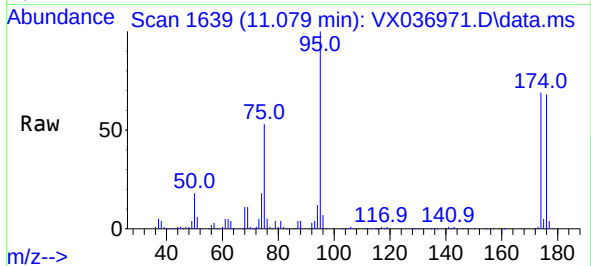




#62
4-Bromofluorobenzene
Concen: 52.258 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036971.D
Acq: 14 Aug 2023 17:48

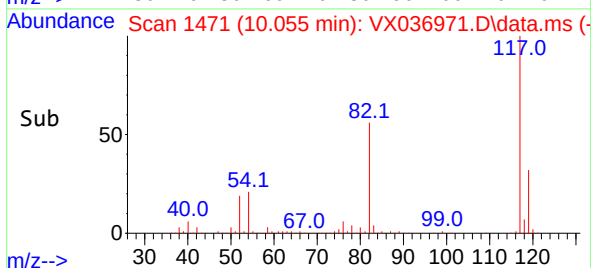
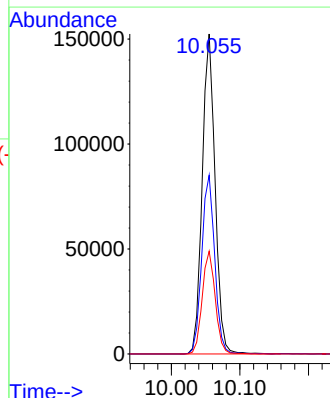
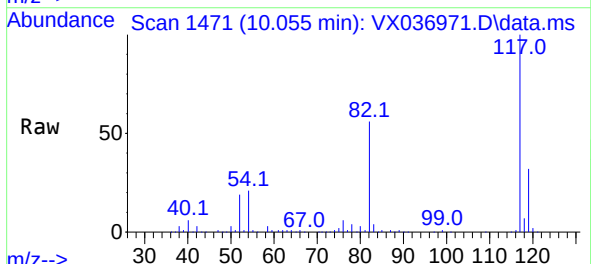
Instrument :
MSVOA_X
ClientSampleId :
1770

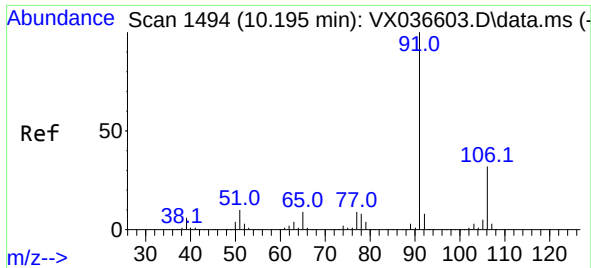
Tgt Ion: 95 Resp: 99982
Ion Ratio Lower Upper
95 100
174 72.2 0.0 135.6
176 71.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036971.D
Acq: 14 Aug 2023 17:48

Tgt Ion: 117 Resp: 199213
Ion Ratio Lower Upper
117 100
82 55.9 46.2 69.4
119 32.1 25.5 38.3

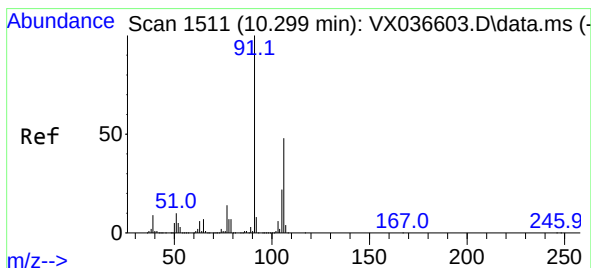
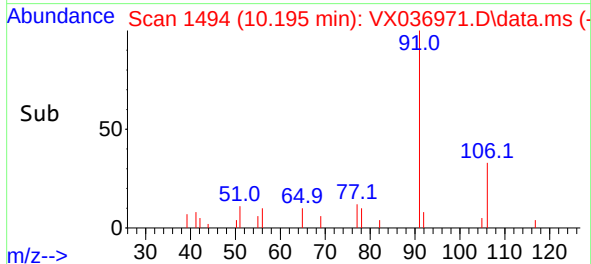
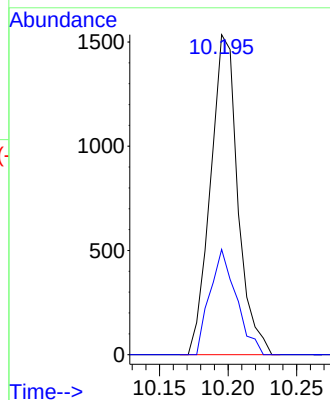
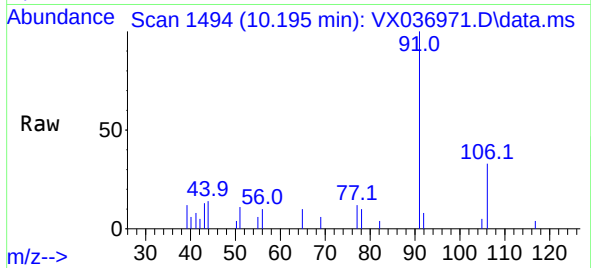




#67
Ethyl Benzene
Concen: 0.265 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX036971.D
Acq: 14 Aug 2023 17:48

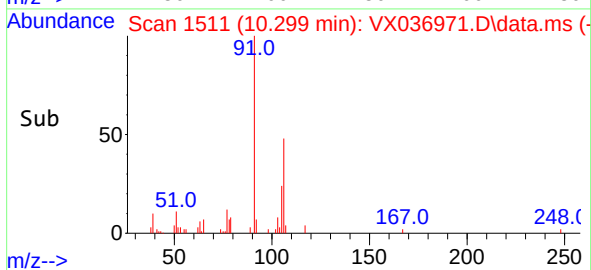
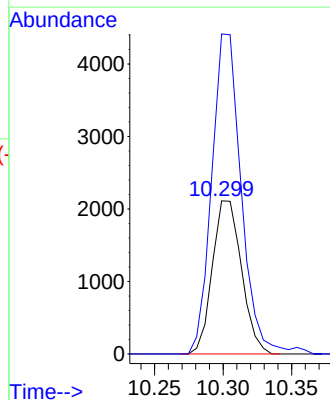
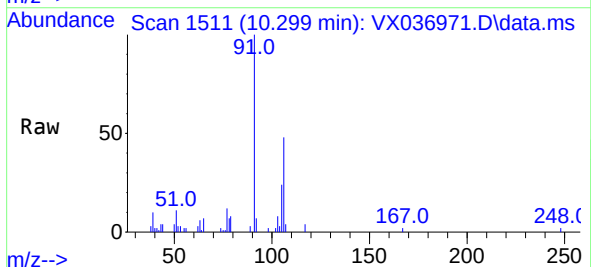
Instrument :
MSVOA_X
ClientSampleId :
1770

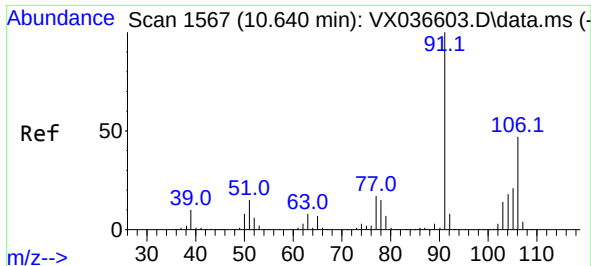
Tgt Ion: 91 Resp: 2128
Ion Ratio Lower Upper
91 100
106 32.9 24.9 37.3



#68
m/p-Xylenes
Concen: 1.043 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX036971.D
Acq: 14 Aug 2023 17:48

Tgt Ion: 106 Resp: 3123
Ion Ratio Lower Upper
106 100
91 212.3 165.5 248.3

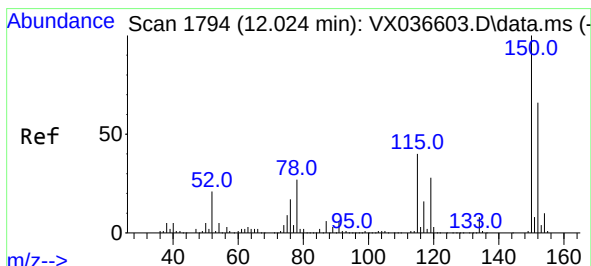
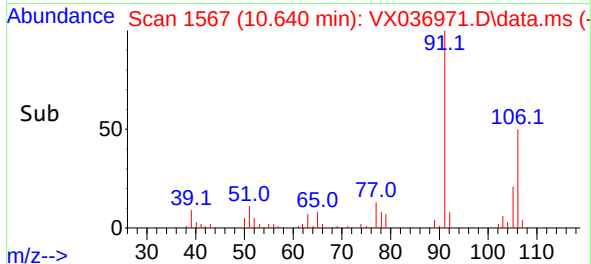
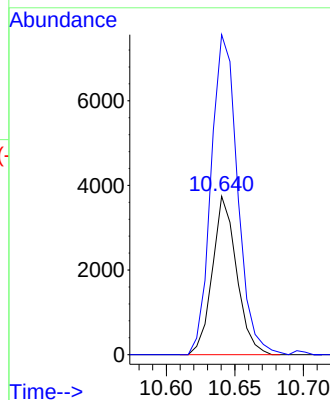
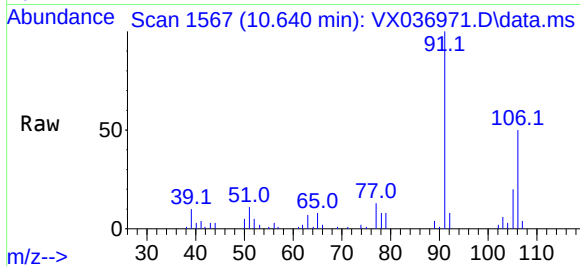




#69
o-Xylene
Concen: 1.539 ug/l
RT: 10.640 min Scan# 11770
Delta R.T. 0.000 min
Lab File: VX036971.D
Acq: 14 Aug 2023 17:48

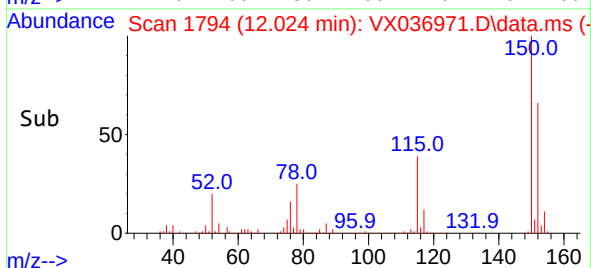
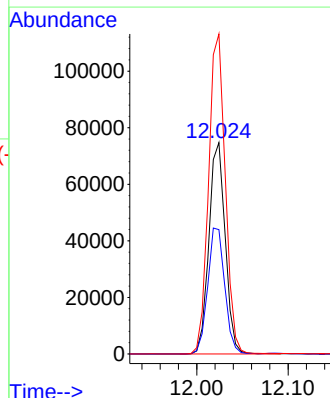
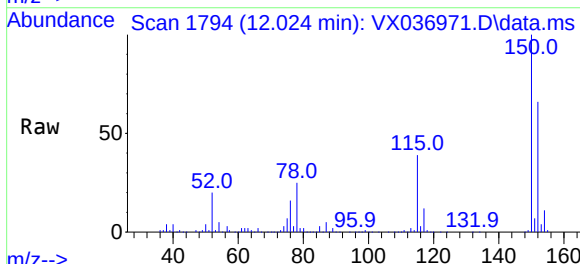
Instrument :
MSVOA_X
ClientSampleId :

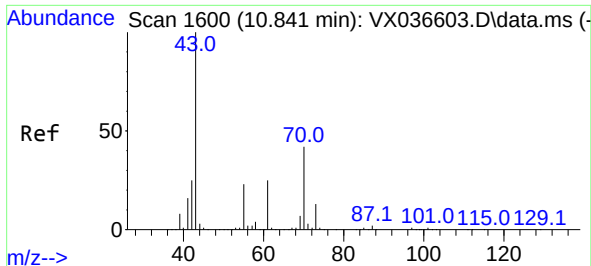
Tgt Ion:106 Resp: 4597
Ion Ratio Lower Upper
106 100
91 221.0 108.9 326.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036971.D
Acq: 14 Aug 2023 17:48

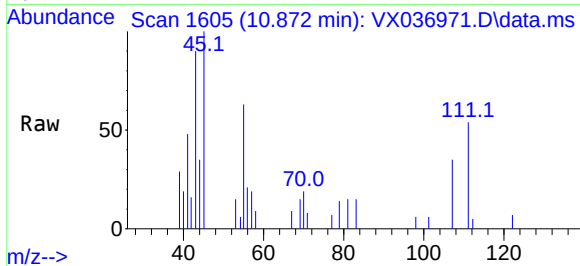
Tgt Ion:152 Resp: 92500
Ion Ratio Lower Upper
152 100
115 62.1 43.3 129.9
150 155.3 0.0 345.0





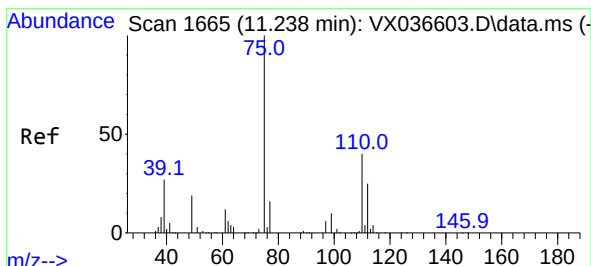
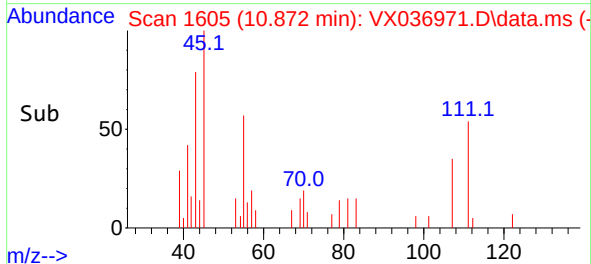
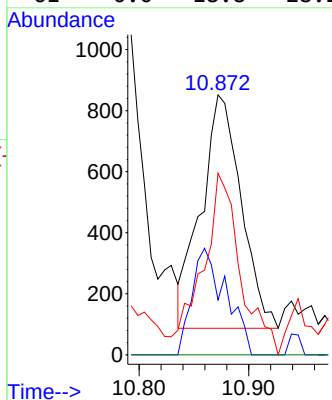
#74
N-amy1 acetate
Concen: 0.546 ug/l
RT: 10.872 min Scan# 1605
Delta R.T. 0.031 min
Lab File: VX036971.D
Acq: 14 Aug 2023 17:48

Instrument :
MSVOA_X
ClientSampleId :
1770



Tgt Ion: 43 Resp: 1949

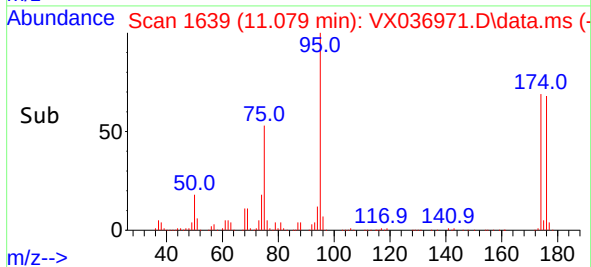
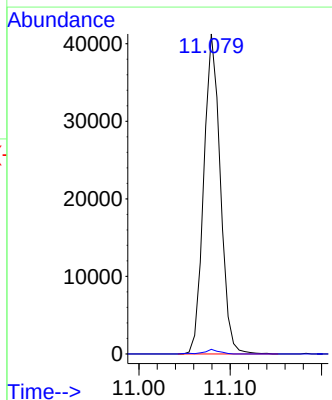
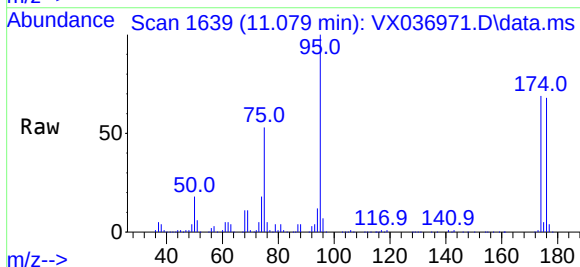
Ion	Ratio	Lower	Upper
43	100		
70	38.5	32.9	49.3
55	72.8	19.3	28.9#
61	0.0	18.8	28.2#

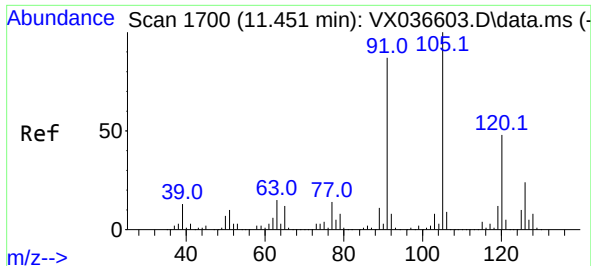


#76
1,2,3-Trichloropropane
Concen: 23.835 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX036971.D
Acq: 14 Aug 2023 17:48

Tgt Ion: 75 Resp: 51857

Ion	Ratio	Lower	Upper
75	100		
77	1.3	19.1	57.5#

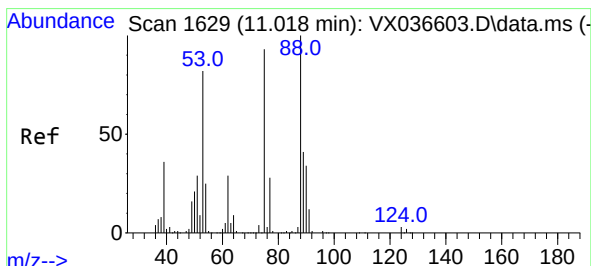
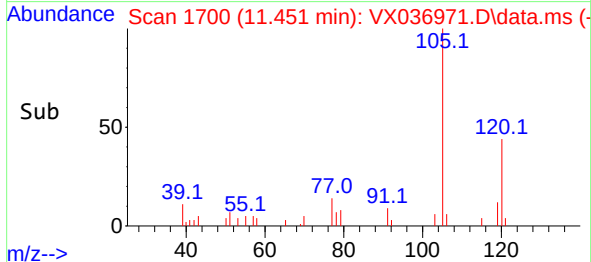
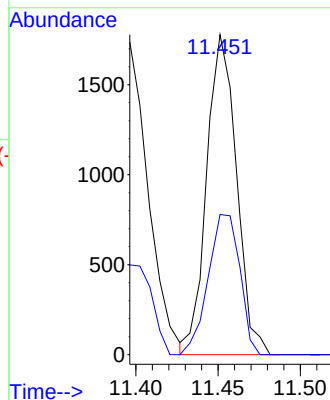
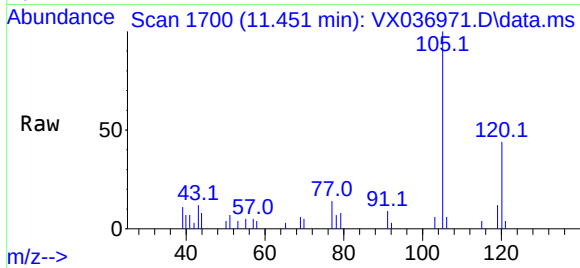




#80
1,3,5-Trimethylbenzene
Concen: 0.350 ug/l
RT: 11.451 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VX036971.D
Acq: 14 Aug 2023 17:48

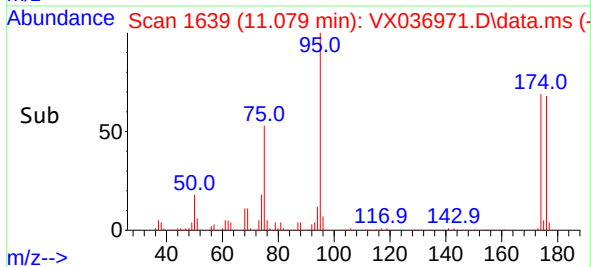
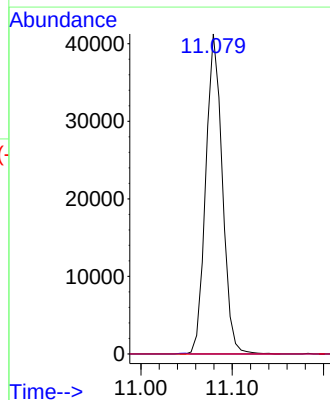
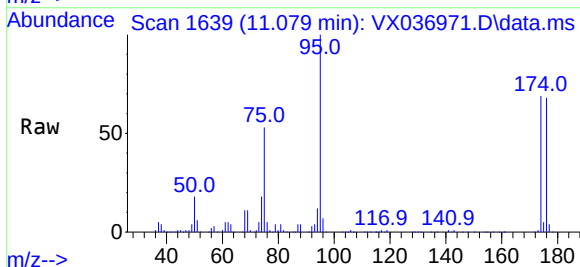
Instrument :
MSVOA_X
ClientSampleId :
1770

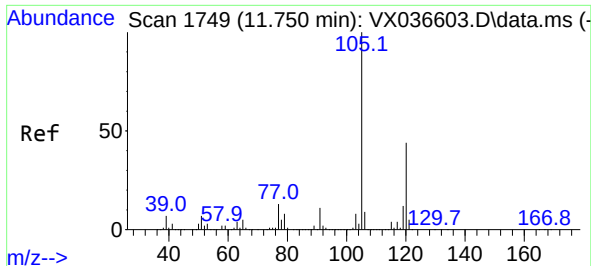
Tgt Ion:105 Resp: 2244
Ion Ratio Lower Upper
105 100
120 46.5 24.1 72.3



#81
trans-1,4-Dichloro-2-butene
Concen: 54.023 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036971.D
Acq: 14 Aug 2023 17:48

Tgt Ion: 75 Resp: 51857
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

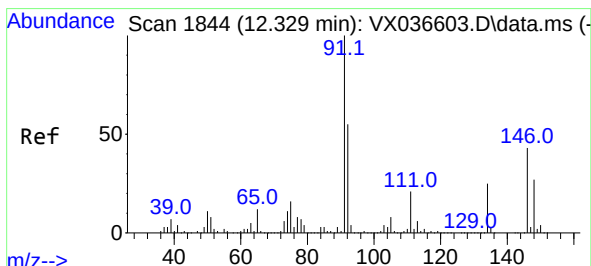
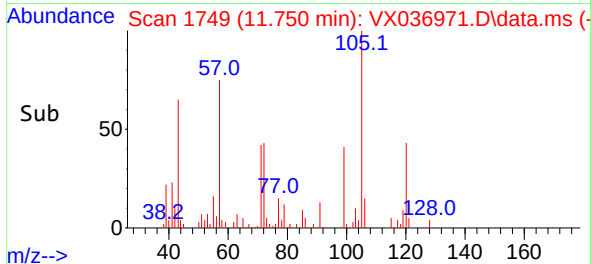
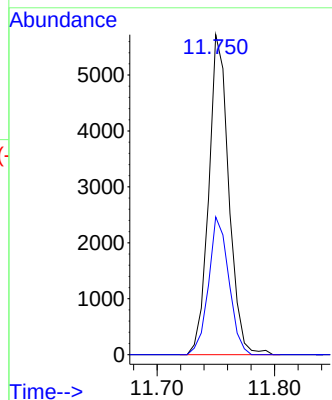
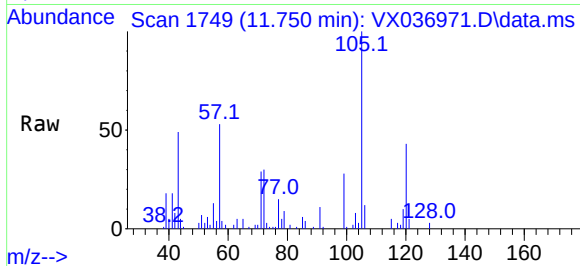




#84
1,2,4-Trimethylbenzene
Concen: 1.058 ug/l
RT: 11.750 min Scan# 11770
Delta R.T. 0.000 min
Lab File: VX036971.D
Acq: 14 Aug 2023 17:48

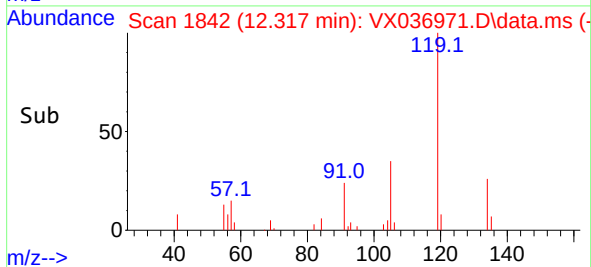
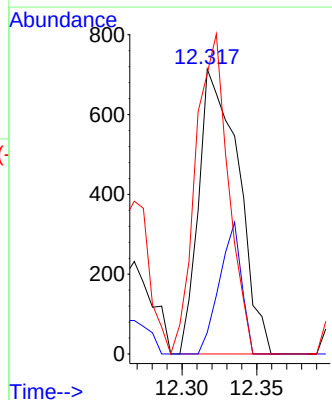
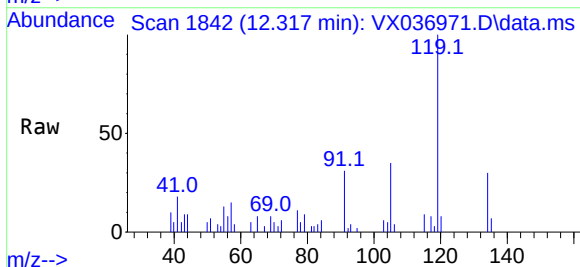
Instrument :
MSVOA_X
ClientSampleId :
1770

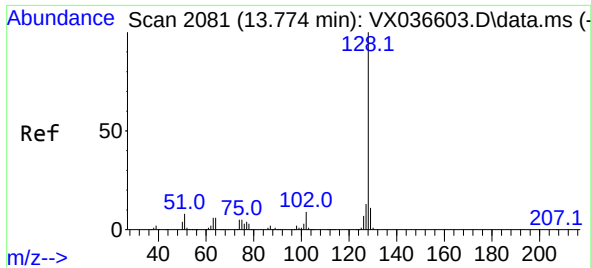
Tgt Ion:105 Resp: 6774
Ion Ratio Lower Upper
105 100
120 43.5 21.2 63.6



#89
n-Butylbenzene
Concen: 0.228 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.012 min
Lab File: VX036971.D
Acq: 14 Aug 2023 17:48

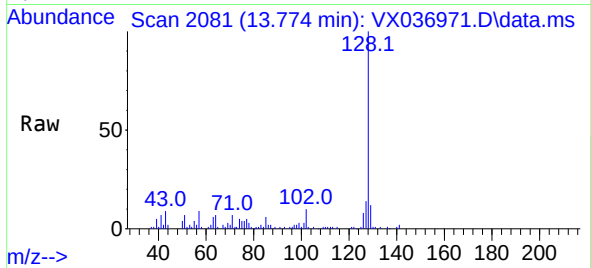
Tgt Ion: 91 Resp: 1317
Ion Ratio Lower Upper
91 100
92 25.7 27.4 82.0#
134 92.5 12.6 37.8#





#95
Naphthalene
Concen: 3.315 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX036971.D
Acq: 14 Aug 2023 17:48

Instrument :
MSVOA_X
ClientSampleId :
1770



Tgt Ion:128 Resp: 22177
Ion Ratio Lower Upper
128 100
127 14.3 10.3 15.5
129 13.5 8.8 13.2#

