

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072823\
 Data File : VX036700.D
 Acq On : 28 Jul 2023 12:28
 Operator : JC/MD
 Sample : 03790-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 002-35TH-AVE-(JULY)

Quant Time: Jul 28 16:17:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 14 04:32:22 2023
 Response via : Initial Calibration

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

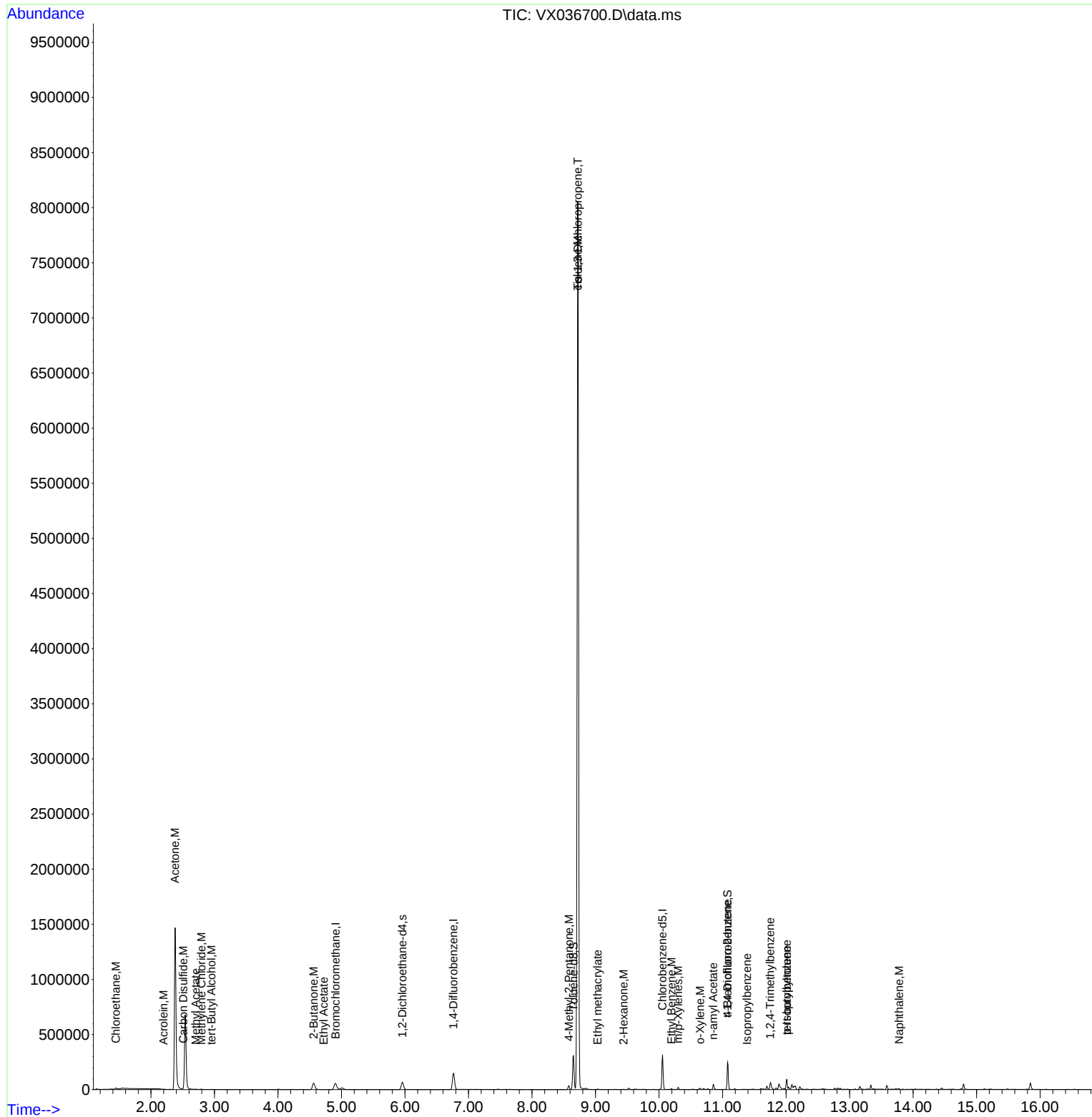
Internal Standards						
1) Bromochloromethane	4.910	128	25967	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	154729	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	138636	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	64144	29.763	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.200%		
60) 4-Bromofluorobenzene	11.079	95	66847	29.725	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	99.100%		
63) Toluene-d8	8.653	98	186490	29.233	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.433%		
Target Compounds						Qvalue
6) Chloroethane	1.447	64	704	0.505	ug/l	96
12) Methyl Acetate	2.703	43	2996	0.839	ug/l	99
13) Acrolein	2.197	56	110	0.375	ug/l	95
15) Acetone	2.380	58	511397	1804.166	ug/l	91
16) Carbon Disulfide	2.508	76	3217	0.873	ug/l	98
18) Methylene Chloride	2.794	84	1555	0.850	ug/l #	96
23) tert-Butyl Alcohol	2.953	59	1691	3.637	ug/l #	1
30) 2-Butanone	4.562	43	103352	70.349	ug/l	99
43) Ethyl Acetate	4.721	43	596	0.208	ug/l #	63
47) n-amyl Acetate	10.854	43	6463	1.671	ug/l #	1
49) cis-1,3-Dichloropropene	8.720	75	40174	13.231	ug/l #	1
51) Ethyl methacrylate	9.031	69	878	0.292	ug/l	85
58) 4-Methyl-2-Pentanone	8.580	43	19897	6.940	ug/l	97
59) 2-Hexanone	9.439	43	1458	0.669	ug/l	98
62) Toluene	8.720	91	5097802	655.365	ug/l	92
66) Ethyl Benzene	10.195	91	4949	0.585	ug/l	90
67) m/p-Xylenes	10.299	106	4606	1.398	ug/l	98
68) o-Xylene	10.646	106	1835	0.561	ug/l	98
70) Isopropylbenzene	11.384	105	1899	0.233	ug/l	91
77) t-1,4-Dichloro-2-butene	11.079	75	34634	38.279	ug/l #	7
79) tert-butylbenzene	12.012	119	40202	6.051	ug/l	64
80) 1,2,4-Trimethylbenzene	11.750	105	15109	2.178	ug/l	43
82) p-Isopropyltoluene	12.012	119	40202	5.778	ug/l	98
91) Naphthalene	13.780	128	4862	0.585	ug/l	99

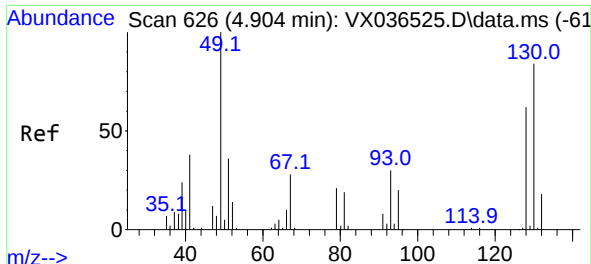
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072823\
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Instrument :
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ClientSampleId :
002-35TH-AVE-(JULY)

Quant Time: Jul 28 16:17:16 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071423W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 14 04:32:22 2023
Response via : Initial Calibration

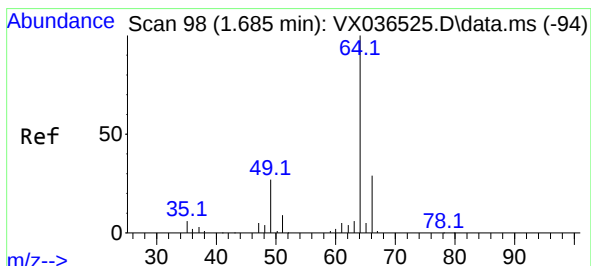
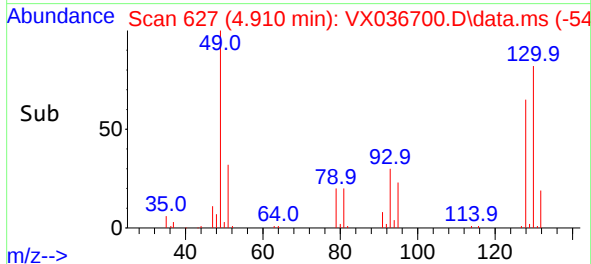
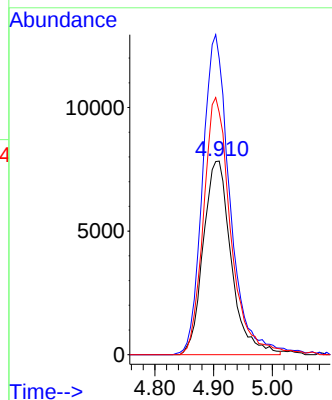
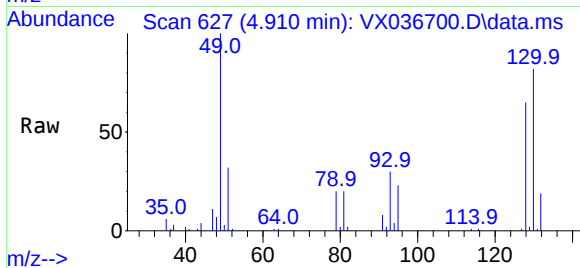




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.910 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

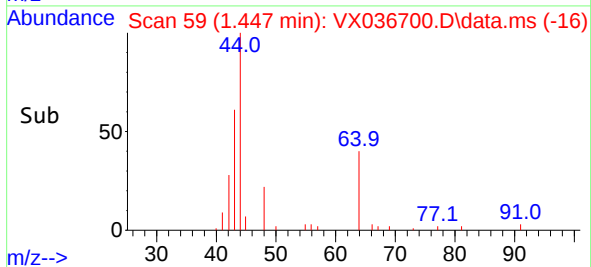
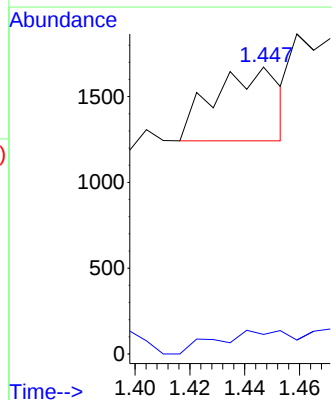
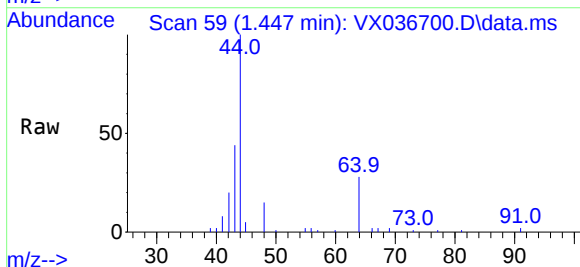
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE-(JULY)

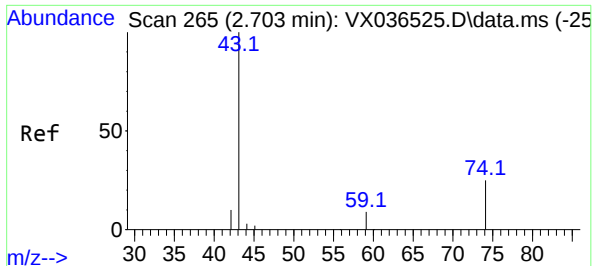
Tgt Ion:128 Resp: 25967
Ion Ratio Lower Upper
128 100
49 156.8 0.0 406.3
130 128.9 0.0 328.0



#6
Chloroethane
Concen: 0.505 ug/l
RT: 1.447 min Scan# 59
Delta R.T. -0.238 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

Tgt Ion: 64 Resp: 704
Ion Ratio Lower Upper
64 100
66 26.5 23.1 34.7

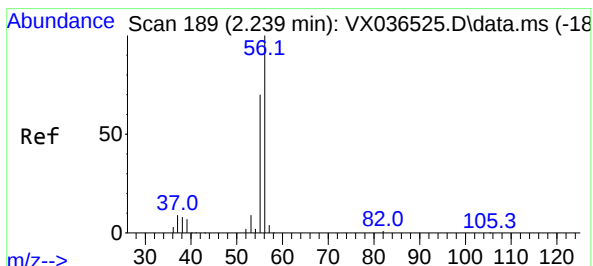
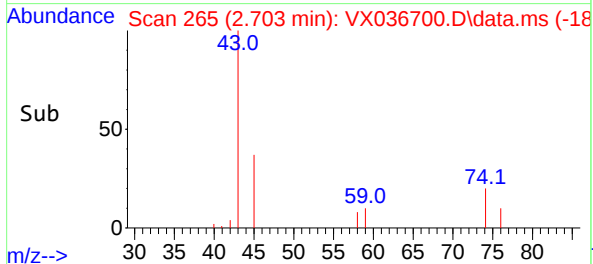
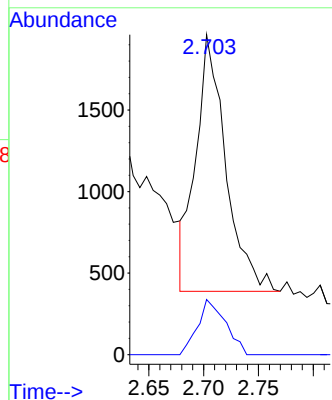
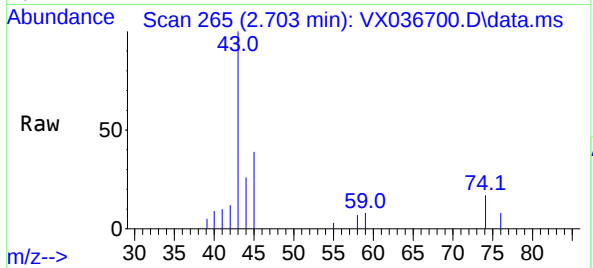




#12
Methyl Acetate
Concen: 0.839 ug/l
RT: 2.703 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

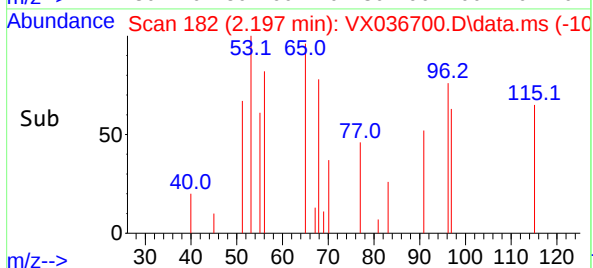
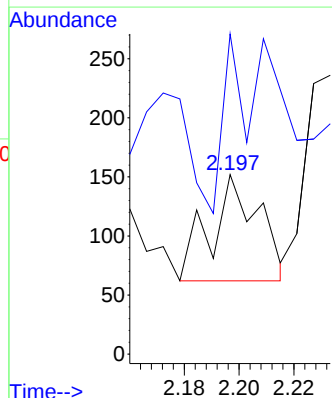
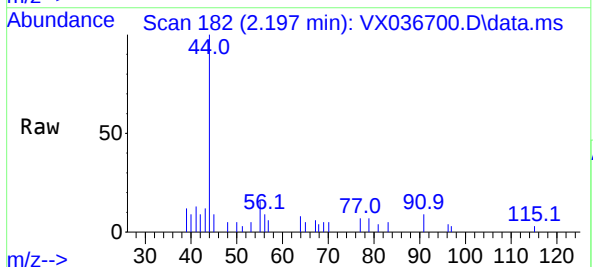
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE-(JULY)

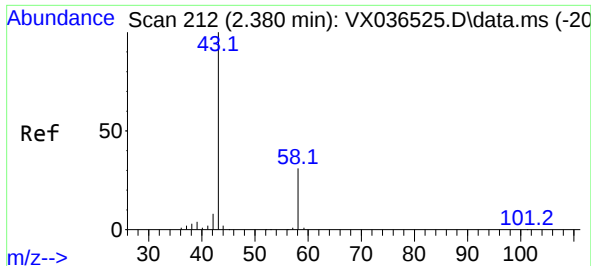
Tgt Ion: 43 Resp: 2996
Ion Ratio Lower Upper
43 100
74 24.9 20.3 30.5



#13
Acrolein
Concen: 0.375 ug/l
RT: 2.197 min Scan# 182
Delta R.T. -0.043 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

Tgt Ion: 56 Resp: 110
Ion Ratio Lower Upper
56 100
55 70.0 59.7 89.5

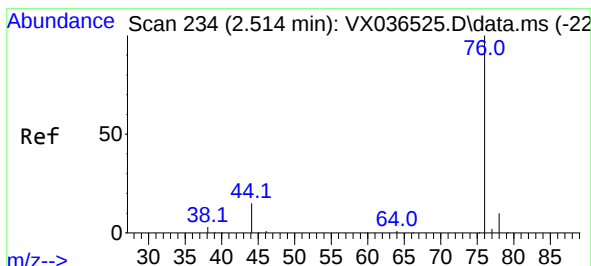
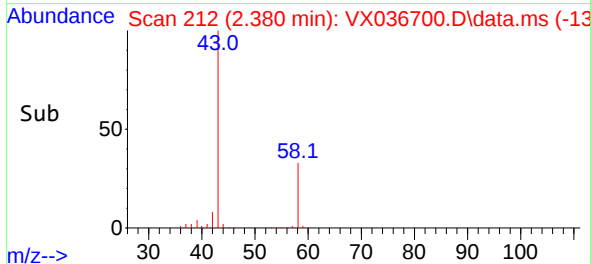
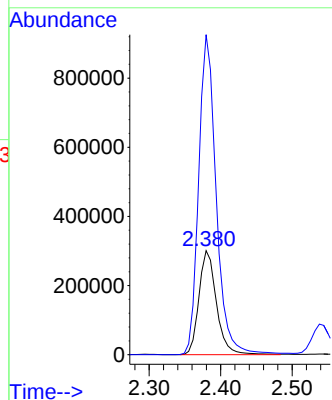
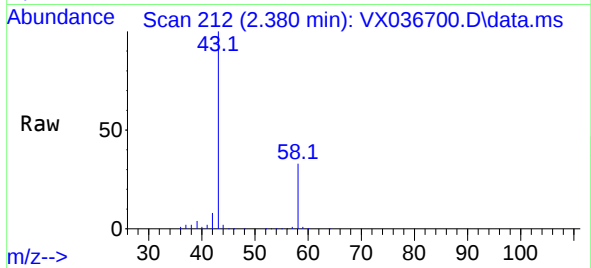




#15
Acetone
Concen: 1804.166 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

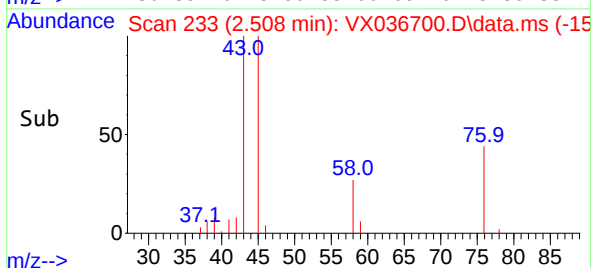
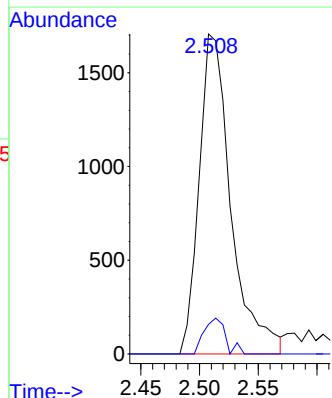
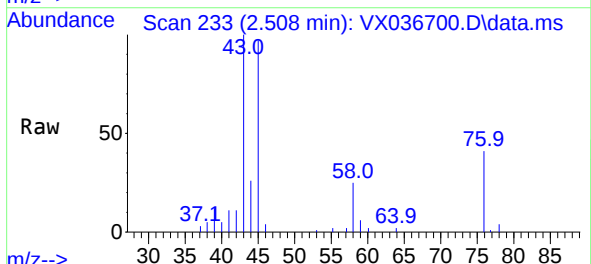
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE-(JULY)

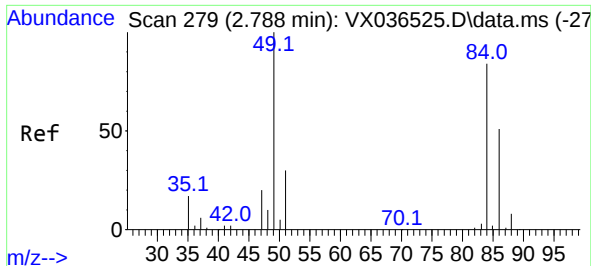
Tgt Ion: 58 Resp: 511397
Ion Ratio Lower Upper
58 100
43 307.6 261.0 391.4



#16
Carbon Disulfide
Concen: 0.873 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

Tgt Ion: 76 Resp: 3217
Ion Ratio Lower Upper
76 100
78 9.3 8.0 12.0



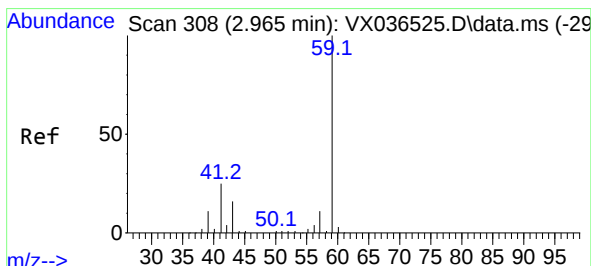
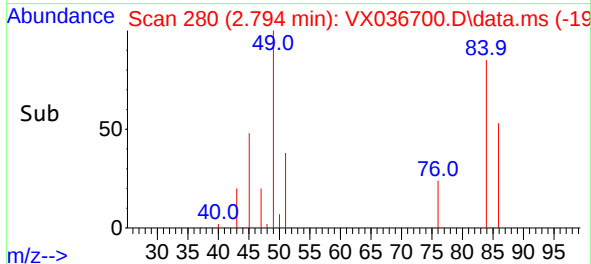
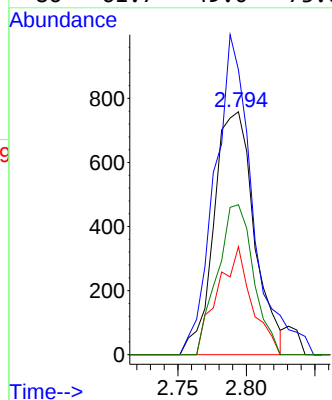
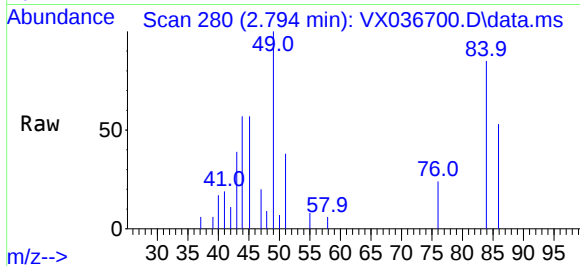


#18
Methylene Chloride
Concen: 0.850 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE-(JULY)

Tgt Ion: 84 Resp: 1555

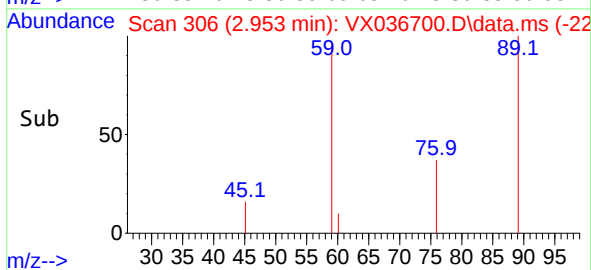
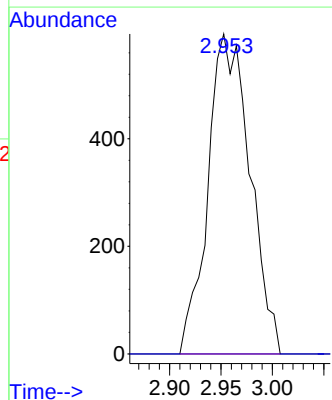
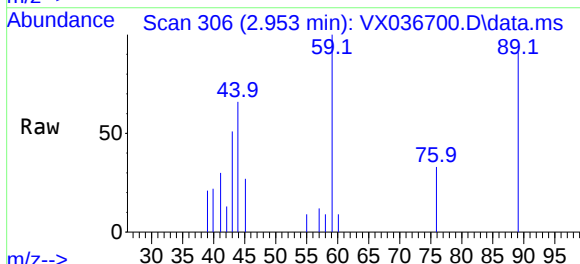
Ion	Ratio	Lower	Upper
84	100		
49	117.3	95.4	143.0
51	44.5	28.3	42.5#
86	61.7	49.0	73.6

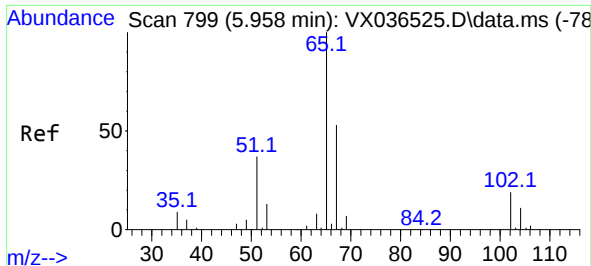


#23
tert-Butyl Alcohol
Concen: 3.637 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

Tgt Ion: 59 Resp: 1691

Ion	Ratio	Lower	Upper
59	100		
52	0.0	142.6	213.8#

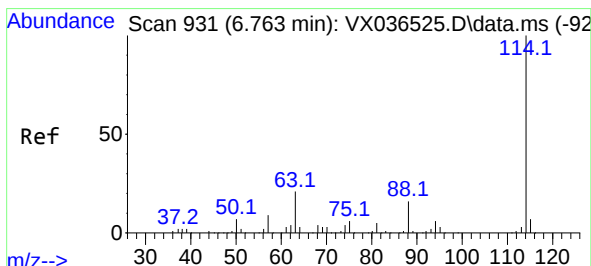
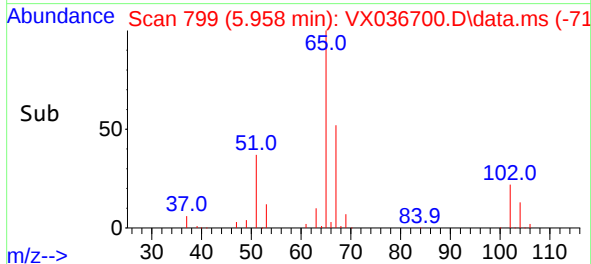
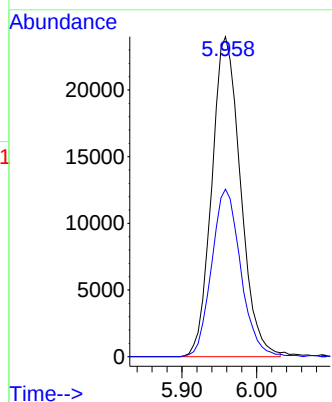
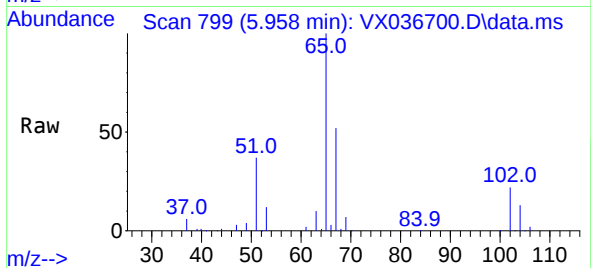




#27
 1,2-Dichloroethane-d4
 Concen: 29.763 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. -0.000 min
 Lab File: VX036700.D
 Acq: 28 Jul 2023 12:28

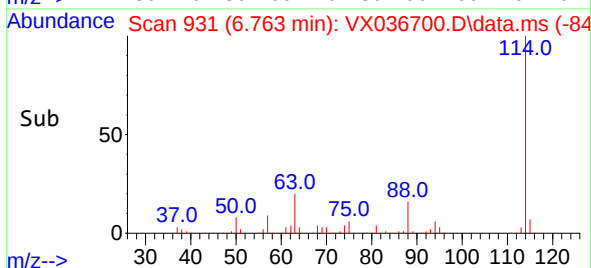
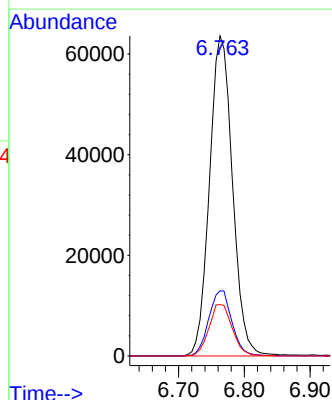
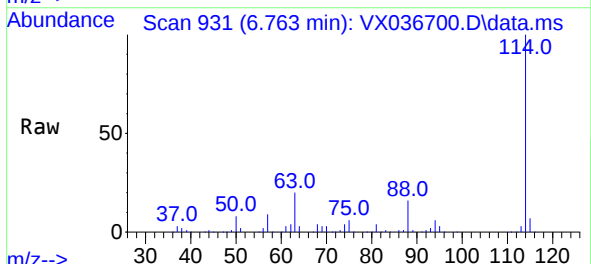
Instrument : MSVOA_X
 ClientSampleId : 002-35TH-AVE-(JULY)

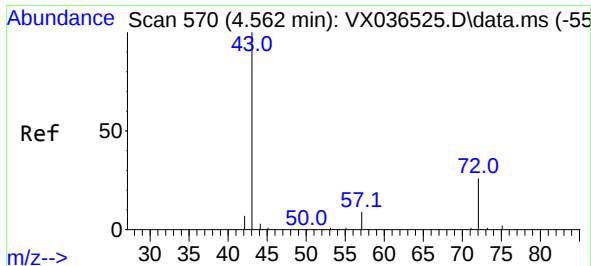
Tgt Ion: 65 Resp: 64144
 Ion Ratio Lower Upper
 65 100
 67 52.8 42.1 63.1



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX036700.D
 Acq: 28 Jul 2023 12:28

Tgt Ion: 114 Resp: 154729
 Ion Ratio Lower Upper
 114 100
 63 20.5 16.6 24.8
 88 16.3 12.9 19.3

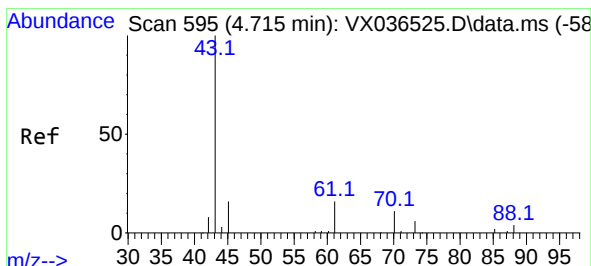
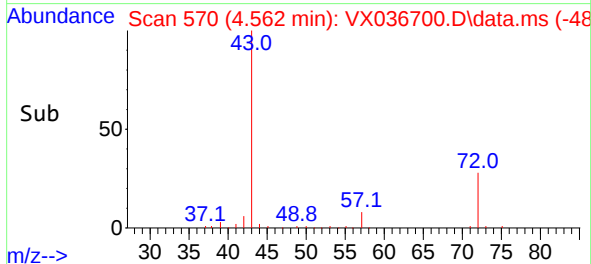
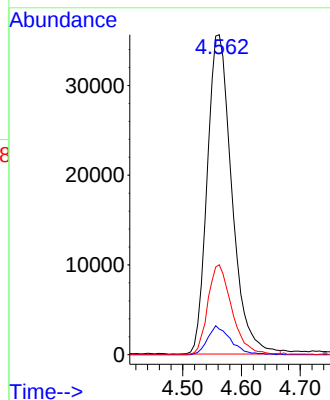
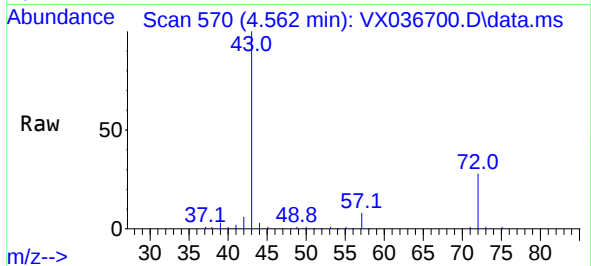




#30
2-Butanone
Concen: 70.349 ug/l
RT: 4.562 min Scan# 51
Delta R.T. -0.000 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

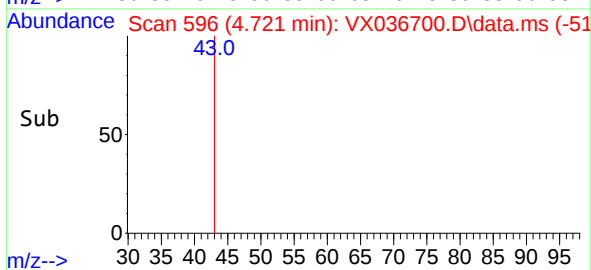
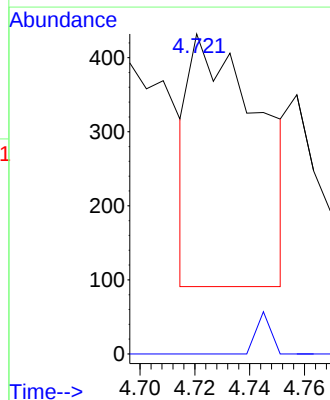
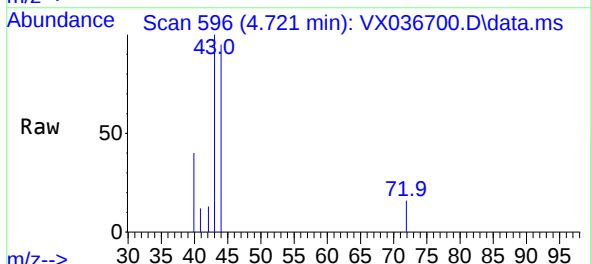
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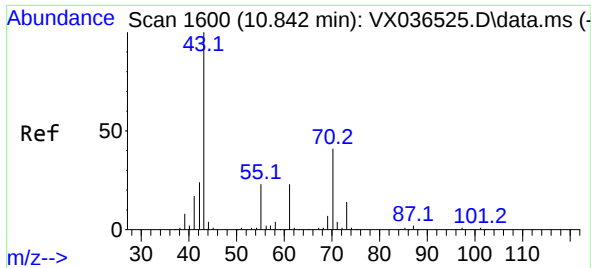
Tgt Ion: 43 Resp: 103352
Ion Ratio Lower Upper
43 100
57 8.5 6.4 9.6
72 27.6 21.6 32.4



#43
Ethyl Acetate
Concen: 0.208 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.006 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

Tgt Ion: 43 Resp: 596
Ion Ratio Lower Upper
43 100
45 0.0 12.6 18.8#

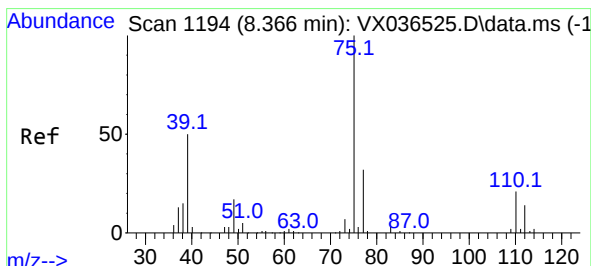
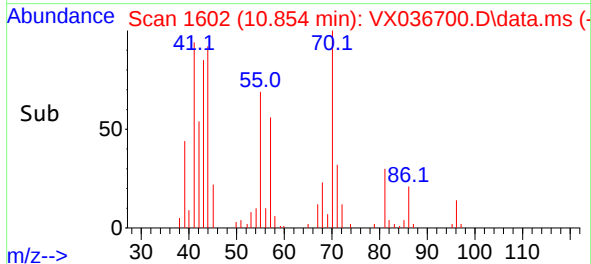
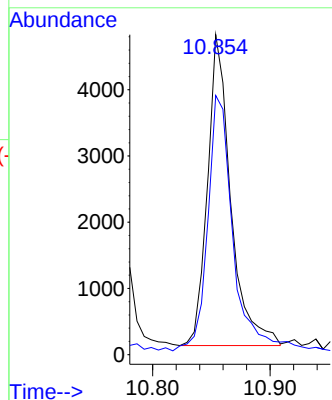
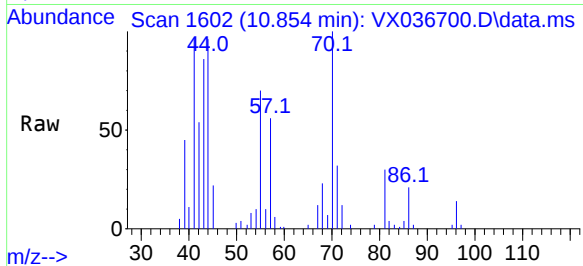




#47
n-amyl acetate
Concen: 1.671 ug/l
RT: 10.854 min Scan# 1100
Delta R.T. 0.012 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

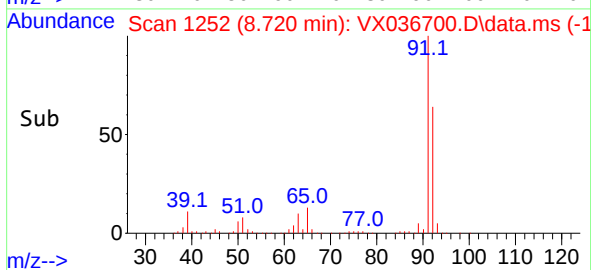
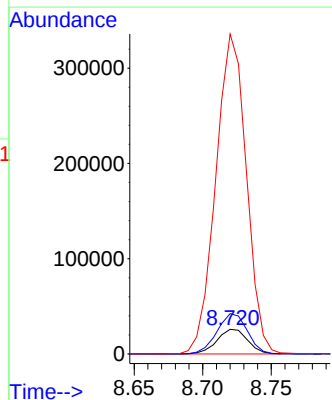
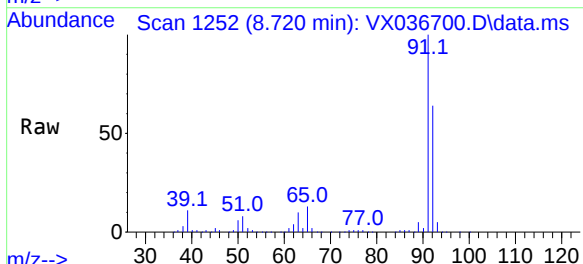
Instrument :
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ClientSampleId :
002-35TH-AVE-(JULY)

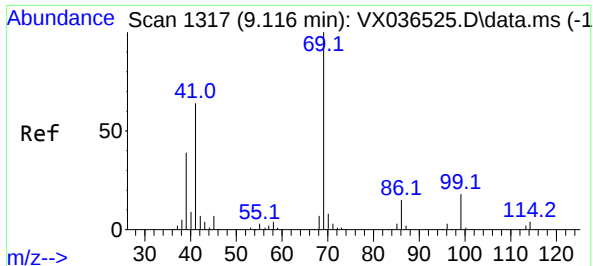
Tgt Ion: 43 Resp: 6463
Ion Ratio Lower Upper
43 100
55 87.9 18.6 28.0#



#49
cis-1,3-Dichloropropene
Concen: 13.231 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.354 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

Tgt Ion: 75 Resp: 40174
Ion Ratio Lower Upper
75 100
77 164.0 25.4 38.2#
39 1299.6 40.2 60.4#



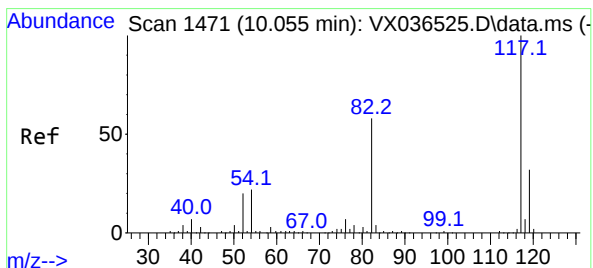
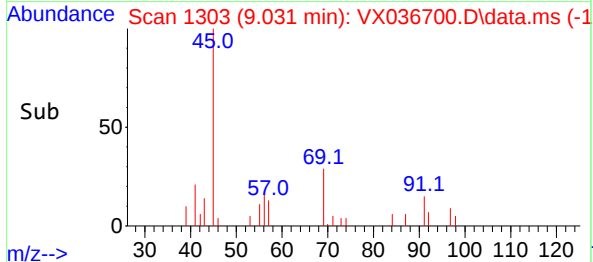
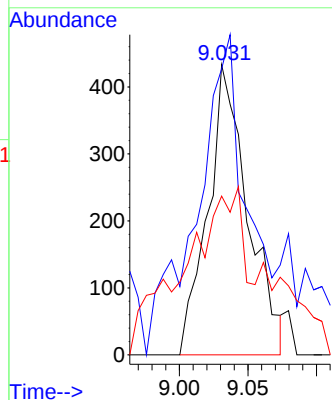
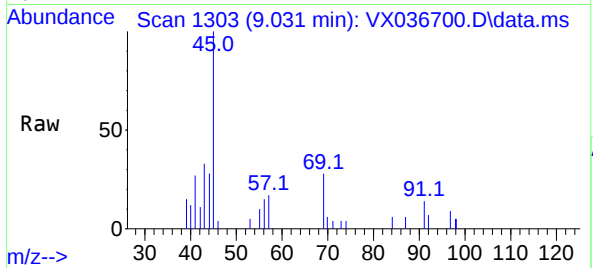


#51
Ethyl methacrylate
Concen: 0.292 ug/l
RT: 9.031 min Scan# 11
Delta R.T. -0.085 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE-(JULY)

Tgt Ion: 69 Resp: 878

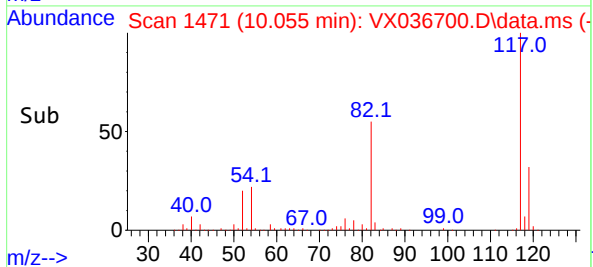
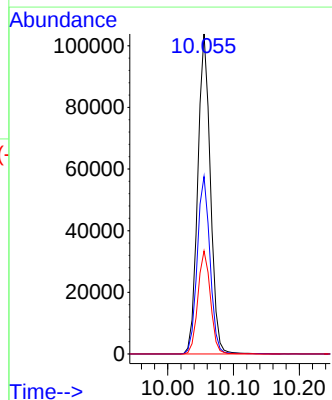
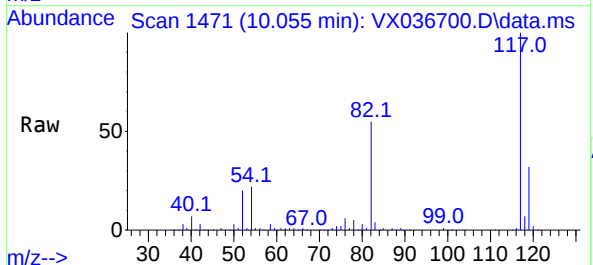
Ion	Ratio	Lower	Upper
69	100		
41	75.1	32.0	96.0
39	29.6	19.4	58.4

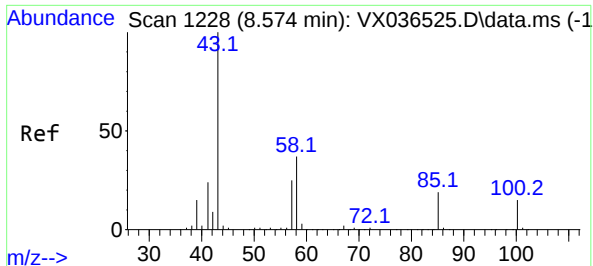


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

Tgt Ion: 117 Resp: 138636

Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.7	67.1
119	31.9	25.6	38.4





#58

4-Methyl-2-Pentanone

Concen: 6.940 ug/l

RT: 8.580 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX036700.D

Acq: 28 Jul 2023 12:28

Instrument :

MSVOA_X

ClientSampleId :

002-35TH-AVE-(JULY)

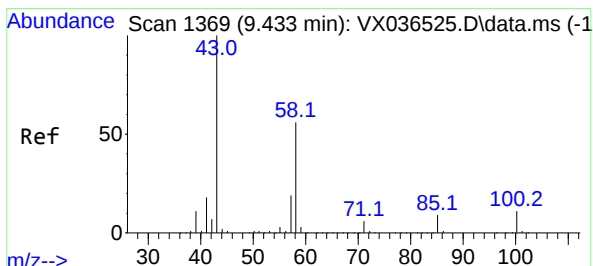
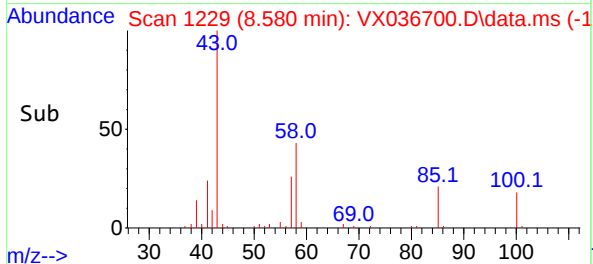
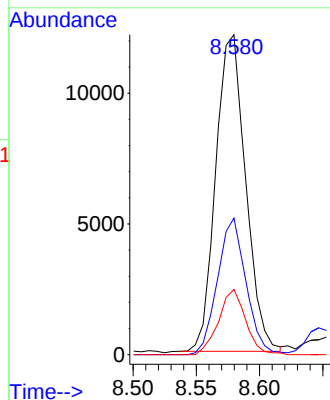
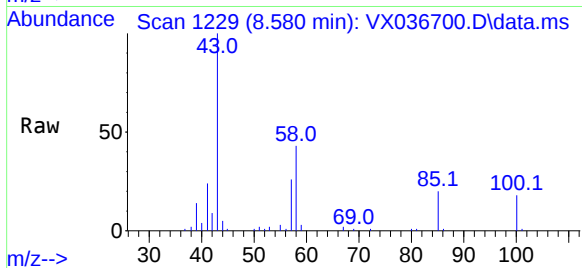
Tgt Ion: 43 Resp: 19897

Ion Ratio Lower Upper

43 100

58 41.2 30.9 46.3

85 18.6 14.4 21.6



#59

2-Hexanone

Concen: 0.669 ug/l

RT: 9.439 min Scan# 1370

Delta R.T. 0.006 min

Lab File: VX036700.D

Acq: 28 Jul 2023 12:28

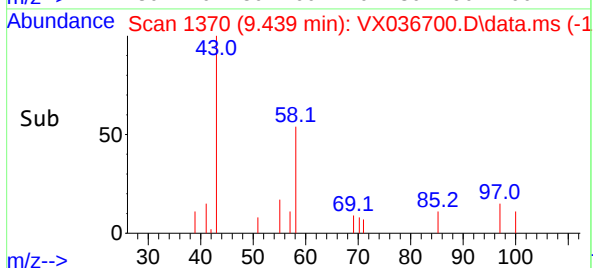
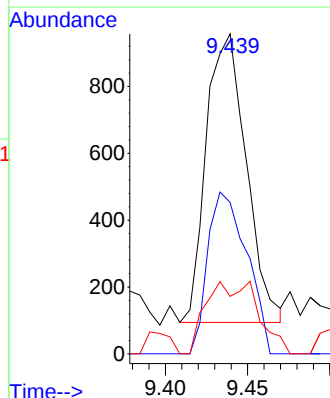
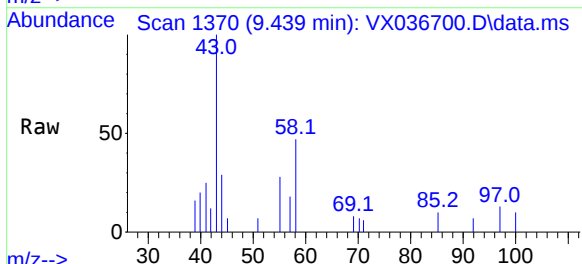
Tgt Ion: 43 Resp: 1458

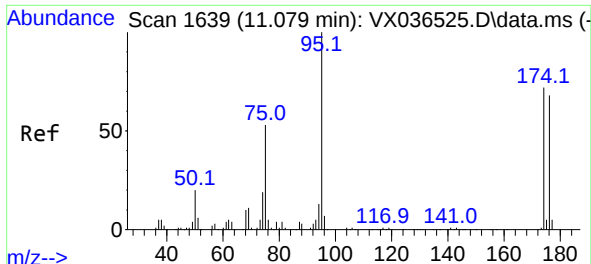
Ion Ratio Lower Upper

43 100

58 54.9 43.4 65.2

57 17.0 15.1 22.7

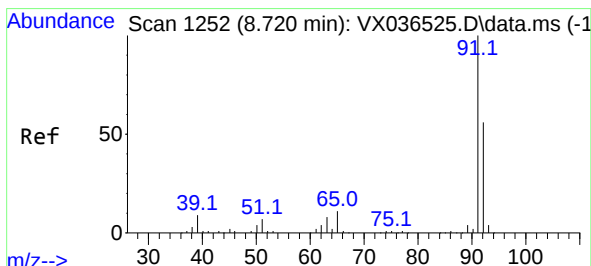
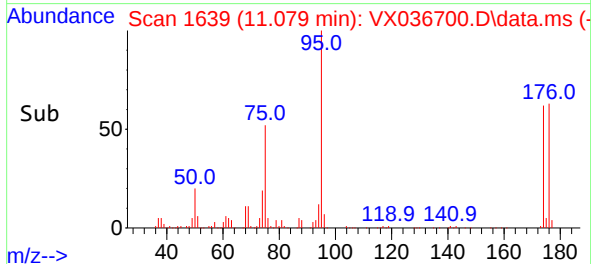
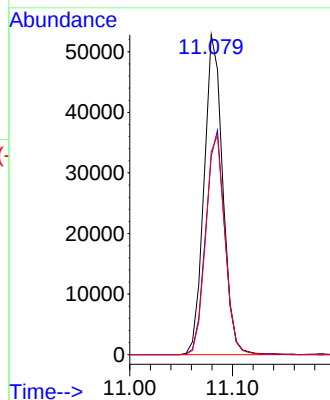
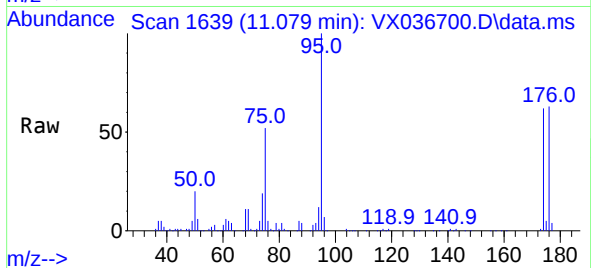




#60
4-Bromofluorobenzene
Concen: 29.725 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

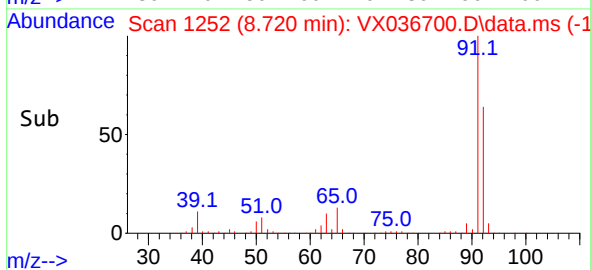
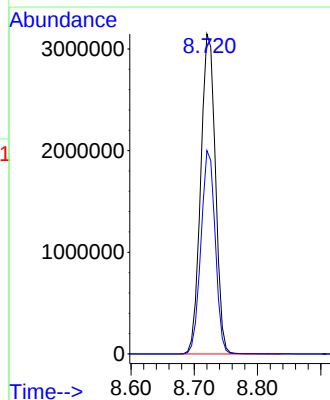
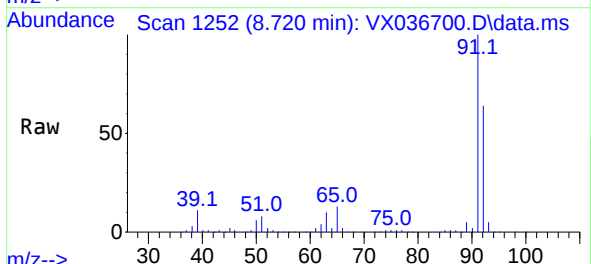
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE-(JULY)

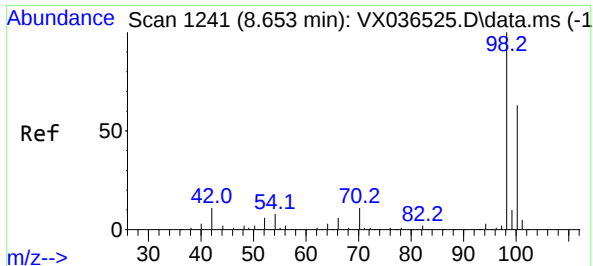
Tgt Ion: 95 Resp: 66847
Ion Ratio Lower Upper
95 100
174 71.4 60.5 90.7
176 70.3 58.2 87.4



#62
Toluene
Concen: 655.365 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

Tgt Ion: 91 Resp: 5097802
Ion Ratio Lower Upper
91 100
92 61.8 44.9 67.3

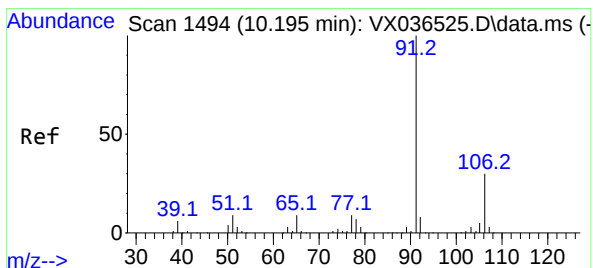
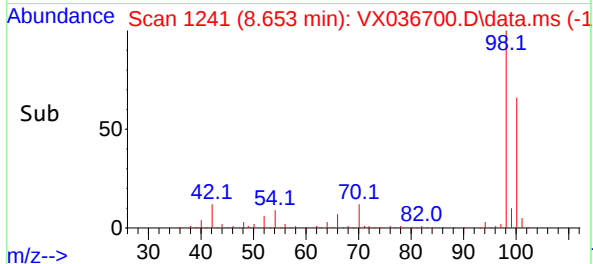
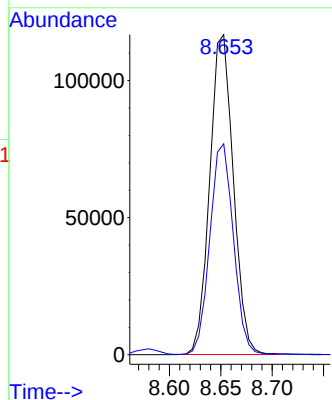
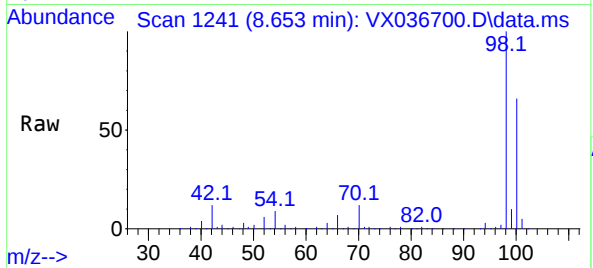




#63
Toluene-d8
Concen: 29.233 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

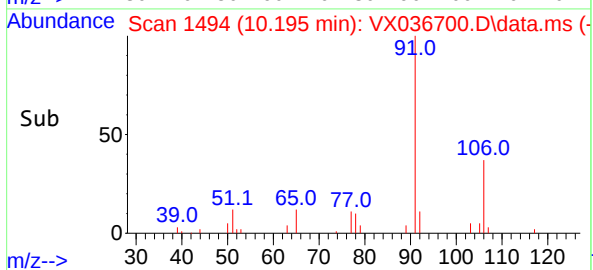
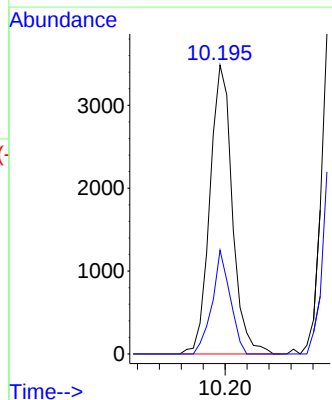
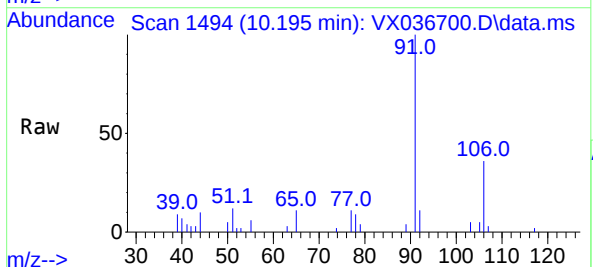
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE-(JULY)

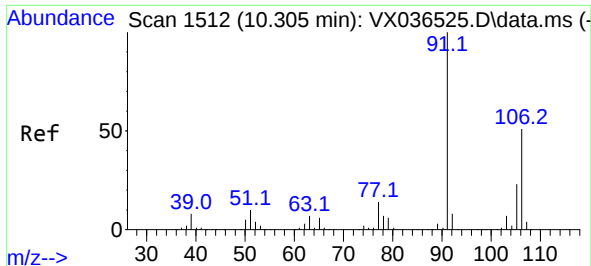
Tgt Ion: 98 Resp: 186490
Ion Ratio Lower Upper
98 100
100 65.7 51.6 77.4



#66
Ethyl Benzene
Concen: 0.585 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

Tgt Ion: 91 Resp: 4949
Ion Ratio Lower Upper
91 100
106 35.9 24.2 36.4

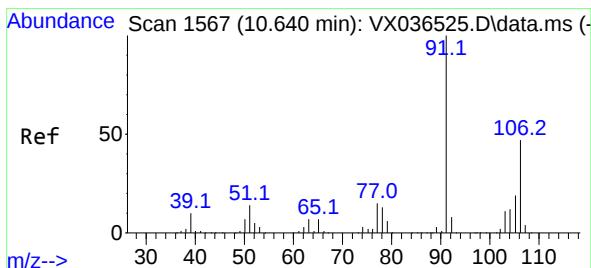
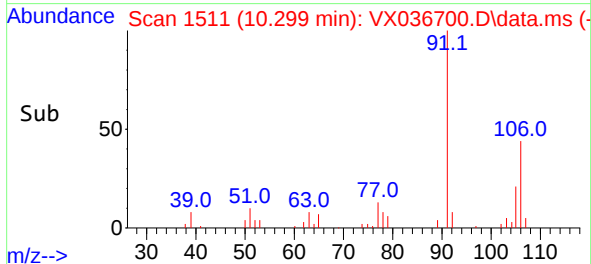
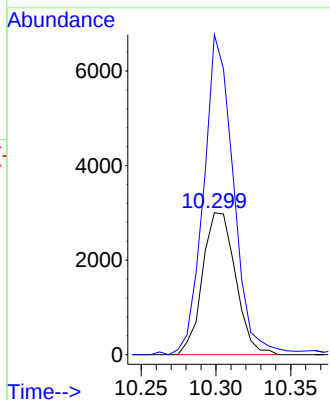
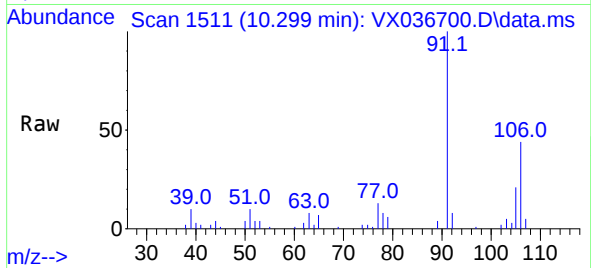




#67
m/p-Xylenes
Concen: 1.398 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

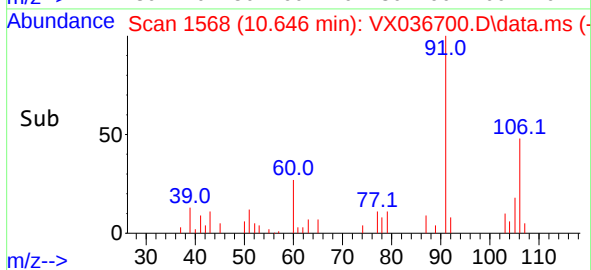
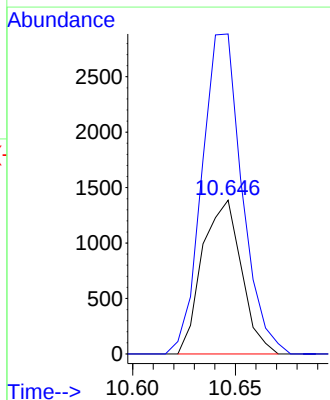
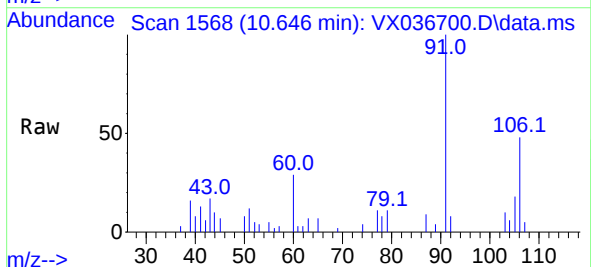
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE-(JULY)

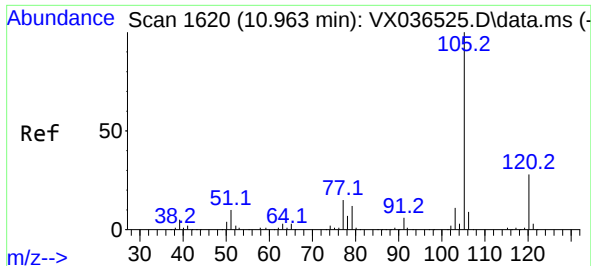
Tgt Ion:106 Resp: 4606
Ion Ratio Lower Upper
106 100
91 203.7 160.5 240.7



#68
o-Xylene
Concen: 0.561 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

Tgt Ion:106 Resp: 1835
Ion Ratio Lower Upper
106 100
91 213.7 105.4 316.1

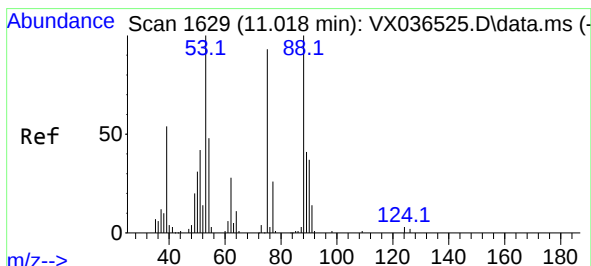
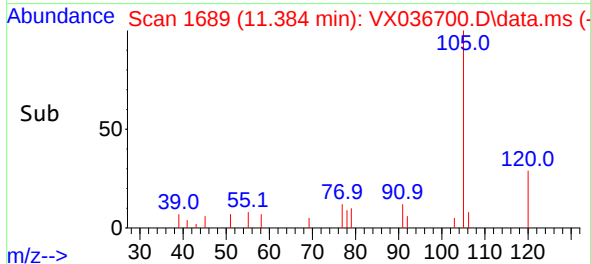
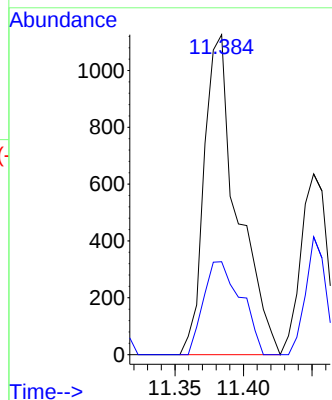
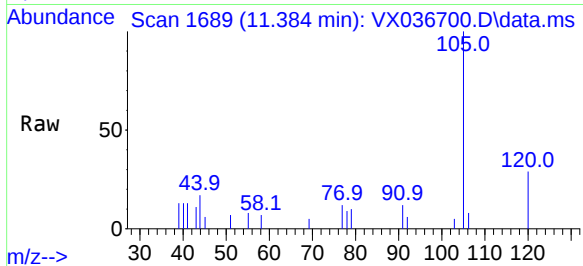




#70
Isopropylbenzene
Concen: 0.233 ug/l
RT: 11.384 min Scan# 1689
Delta R.T. 0.421 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

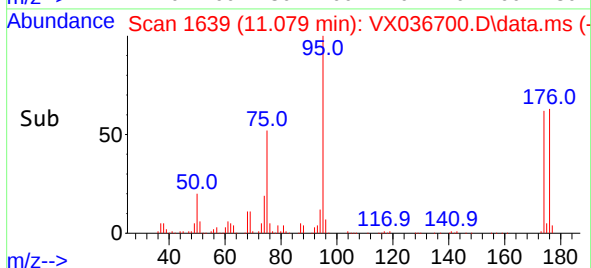
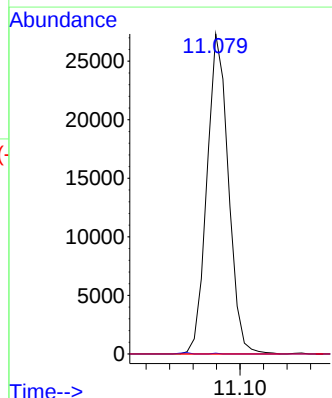
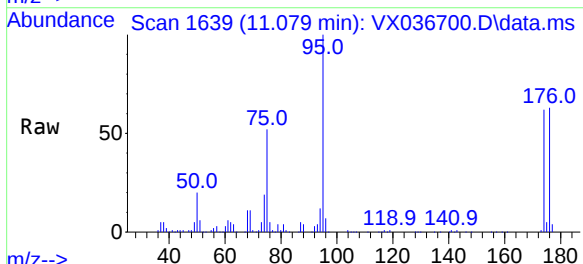
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE-(JULY)

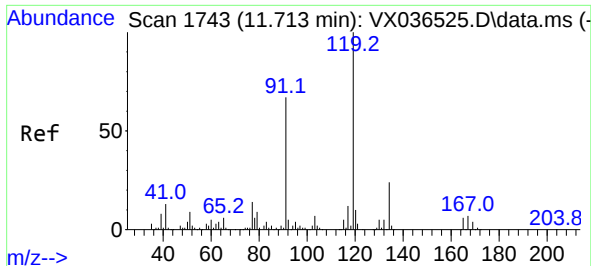
Tgt Ion:105 Resp: 1899
Ion Ratio Lower Upper
105 100
120 32.7 19.5 36.3



#77
t-1,4-Dichloro-2-butene
Concen: 38.279 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

Tgt Ion: 75 Resp: 34634
Ion Ratio Lower Upper
75 100
53 0.2 53.9 161.7#
89 0.0 22.1 66.1#

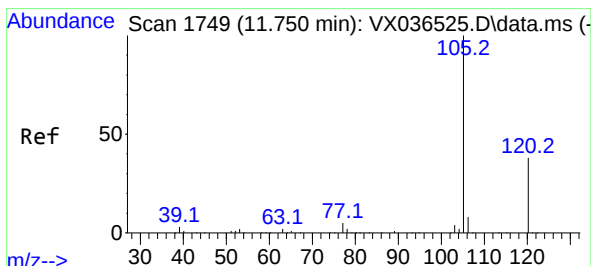
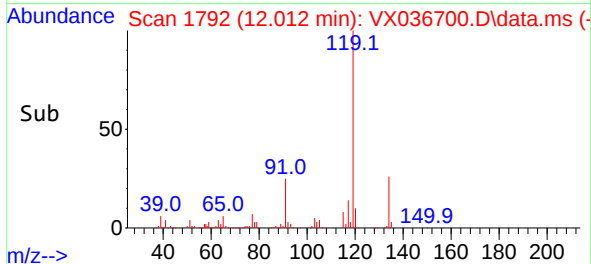
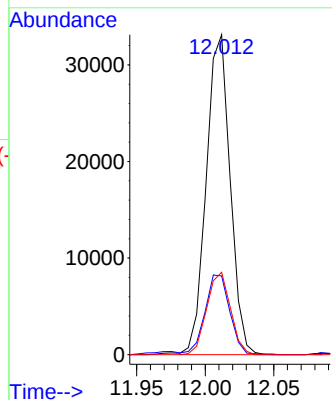
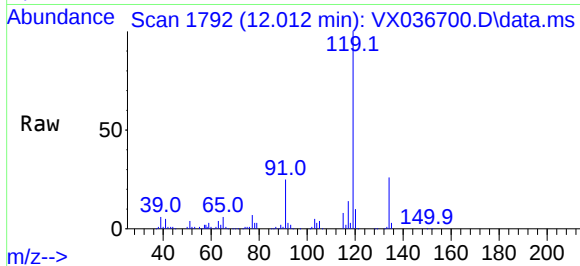




#79
tert-butylbenzene
Concen: 6.051 ug/l
RT: 12.012 min Scan# 11
Delta R.T. 0.299 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

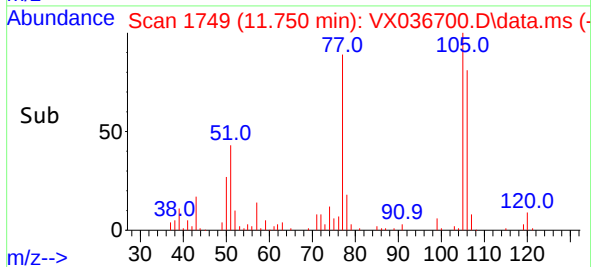
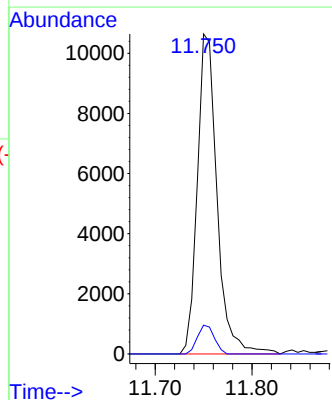
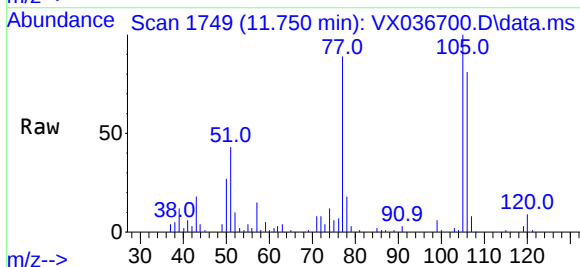
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE-(JULY)

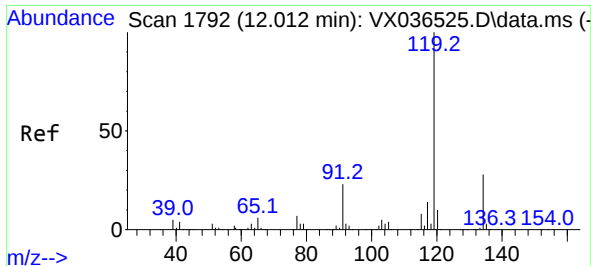
Tgt Ion:119 Resp: 40202
Ion Ratio Lower Upper
119 100
91 25.2 0.0 124.4
134 25.5 0.0 47.2



#80
1,2,4-Trimethylbenzene
Concen: 2.178 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX036700.D
Acq: 28 Jul 2023 12:28

Tgt Ion:105 Resp: 15109
Ion Ratio Lower Upper
105 100
120 7.7 0.0 90.2





#82

p-Isopropyltoluene

Concen: 5.778 ug/l

RT: 12.012 min Scan# 119

Delta R.T. -0.000 min

Lab File: VX036700.D

Acq: 28 Jul 2023 12:28

Instrument :

MSVOA_X

ClientSampleId :

002-35TH-AVE-(JULY)

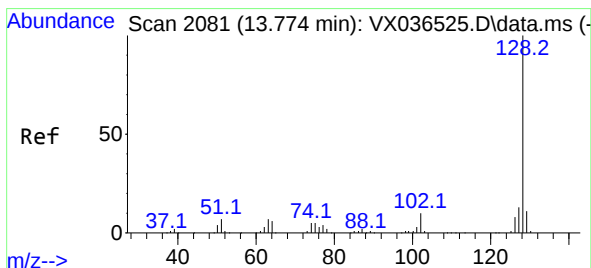
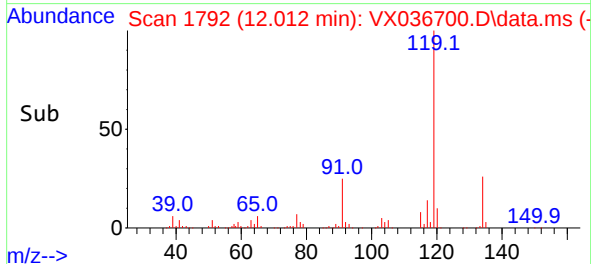
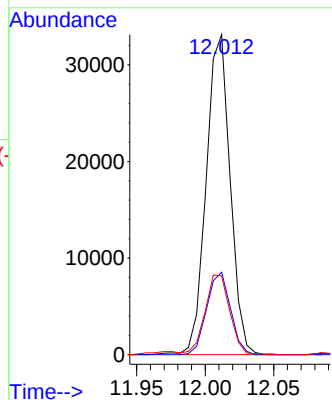
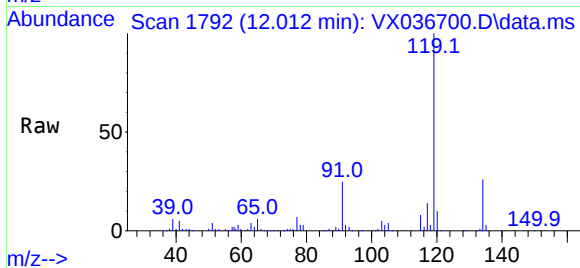
Tgt Ion:119 Resp: 40202

Ion Ratio Lower Upper

119 100

134 25.5 0.0 53.2

91 25.2 0.0 49.4



#91

Naphthalene

Concen: 0.585 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX036700.D

Acq: 28 Jul 2023 12:28

Tgt Ion:128 Resp: 4862

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

129 10.0 8.7 13.1

