

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051722\
 Data File : VX028766.D
 Acq On : 17 May 2022 18:29
 Operator : JC/MD
 Sample : N2884-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31768

Quant Time: May 18 04:52:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

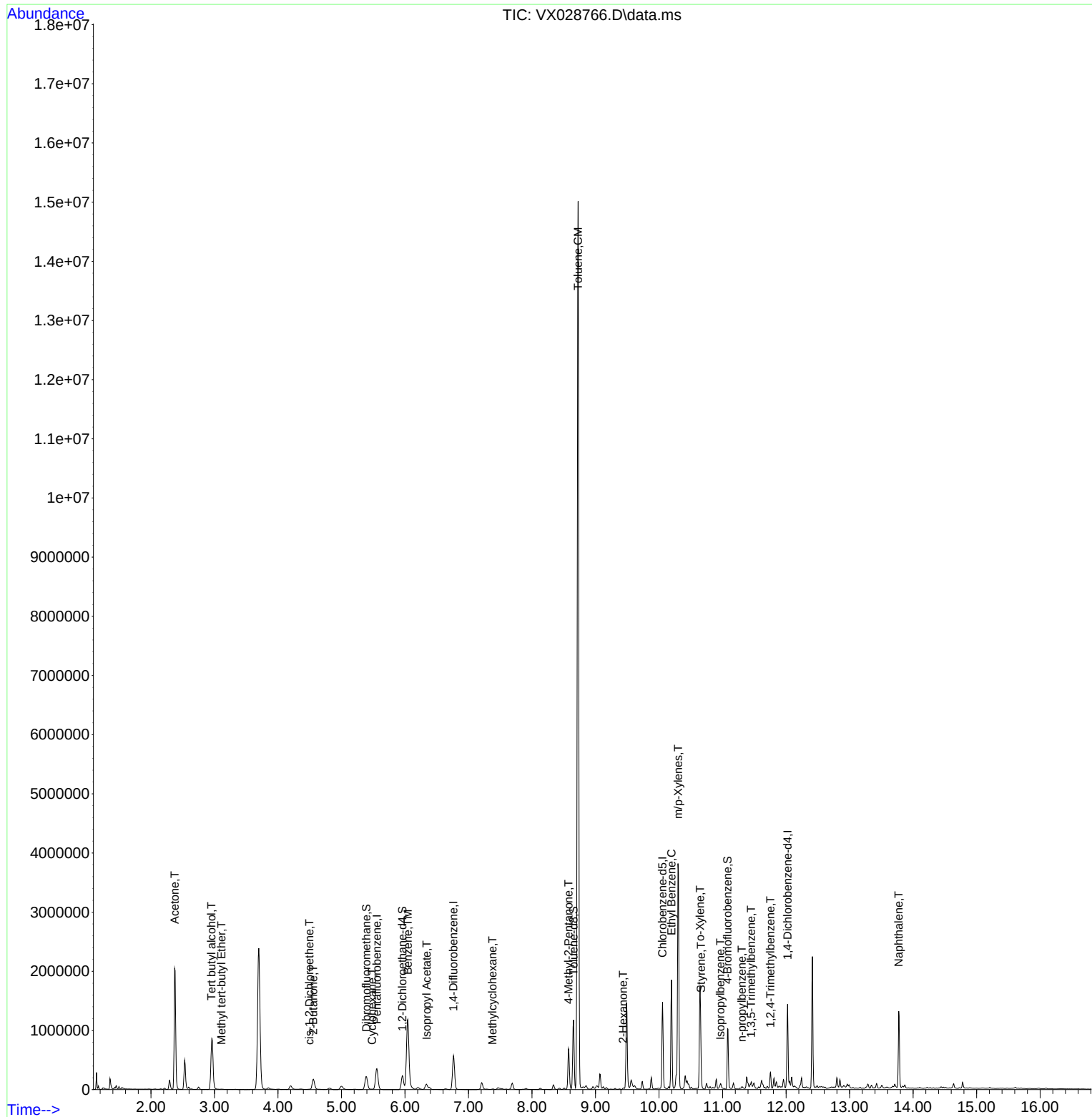
Internal Standards						
1) Pentafluorobenzene	5.555	168	328331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	579860	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	651874	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	270220	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	228004	50.660	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.320%			
35) Dibromofluoromethane	5.391	113	191905	50.513	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.020%			
50) Toluene-d8	8.652	98	692257	48.330	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 96.660%			
62) 4-Bromofluorobenzene	11.079	95	279403	52.225	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 104.460%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.952	59	583599	622.912	ug/l	98
16) Acetone	2.373	43	2138867	1107.318	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	4364	0.362	ug/l #	85
25) 2-Butanone	4.556	43	292106	96.343	ug/l	96
27) cis-1,2-Dichloroethene	4.495	96	2836	0.634	ug/l	96
31) Cyclohexane	5.482	56	5103	0.817	ug/l #	89
39) Methylcyclohexane	7.378	83	3933	0.601	ug/l #	85
40) Benzene	6.043	78	1434128	87.448	ug/l	100
43) Isopropyl Acetate	6.342	43	20990	2.251	ug/l #	76
51) 4-Methyl-2-Pentanone	8.573	43	388713	63.290	ug/l	94
52) Toluene	8.726	92	6108505	579.029	ug/l	87
59) 2-Hexanone	9.433	43	6803	1.426	ug/l	97
67) Ethyl Benzene	10.195	91	1052468	42.460	ug/l	99
68) m/p-Xylenes	10.299	106	907541	94.042	ug/l	99
69) o-Xylene	10.646	106	332761	35.023	ug/l	99
70) Styrene	10.658	104	236072	15.300	ug/l #	83
73) Isopropylbenzene	10.963	105	22190	1.083	ug/l	95
78) n-propylbenzene	11.304	91	13735	0.579	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	43869	2.569	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	114160	6.667	ug/l	94
95) Naphthalene	13.774	128	772467	40.229	ug/l	100

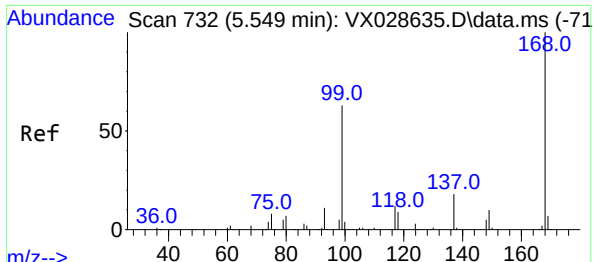
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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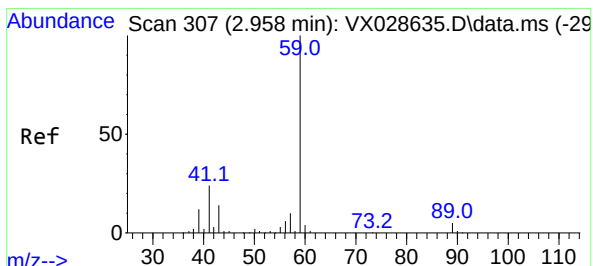
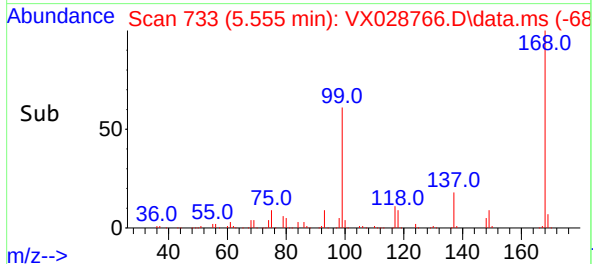
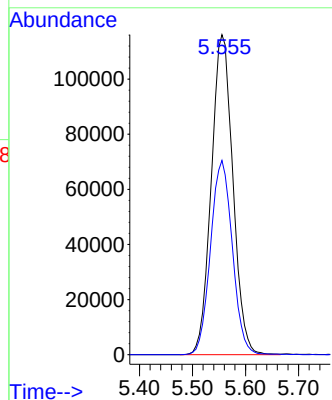
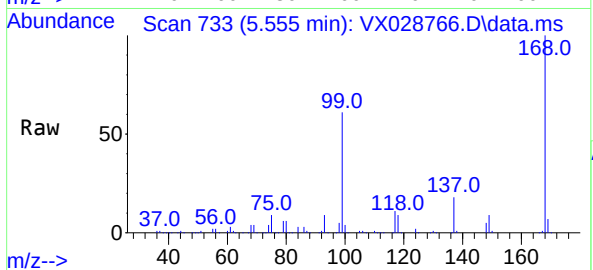




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.555 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX028766.D
Acq: 17 May 2022 18:29

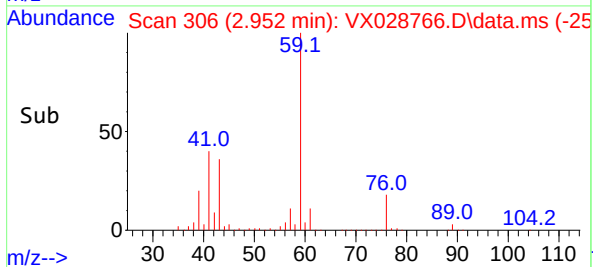
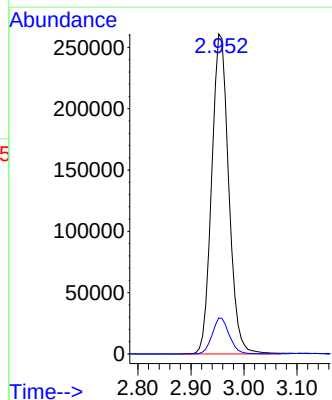
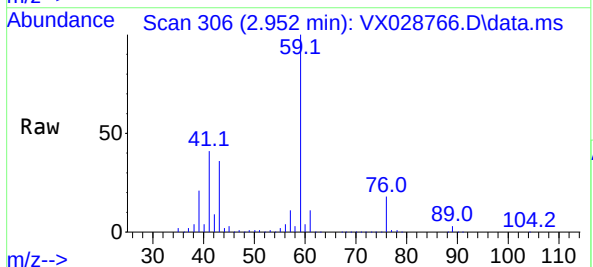
Instrument :
MSVOA_X
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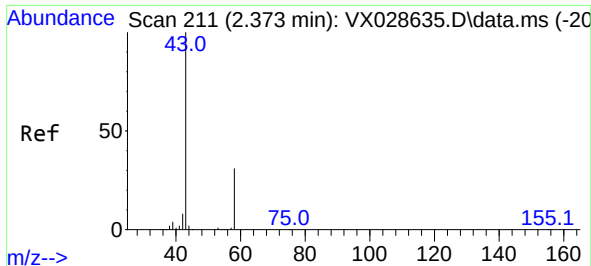
Tgt Ion:168 Resp: 328331
Ion Ratio Lower Upper
168 100
99 60.7 41.7 62.5



#11
Tert butyl alcohol
Concen: 622.912 ug/l
RT: 2.952 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX028766.D
Acq: 17 May 2022 18:29

Tgt Ion: 59 Resp: 583599
Ion Ratio Lower Upper
59 100
57 11.3 8.3 12.5

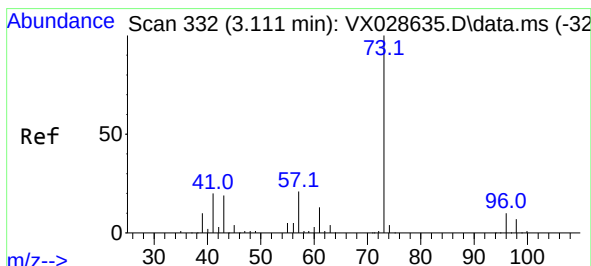
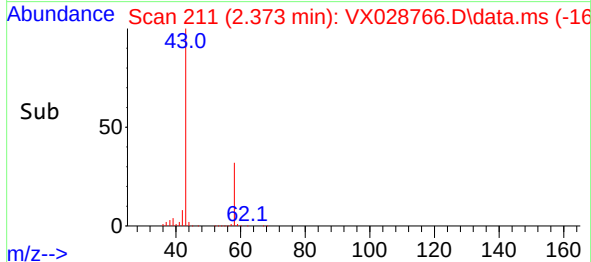
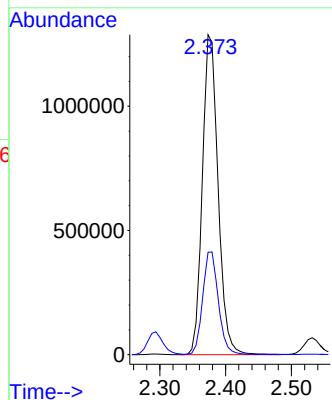
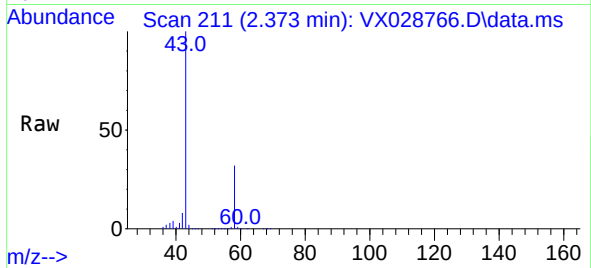




#16
Acetone
Concen: 1107.318 ug/l
RT: 2.373 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX028766.D
Acq: 17 May 2022 18:29

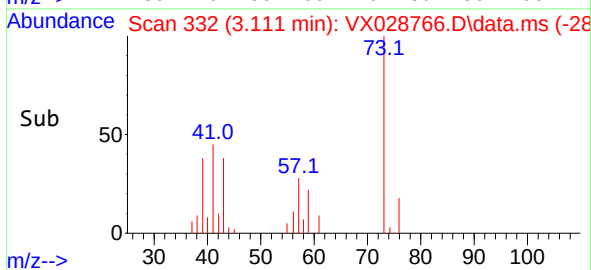
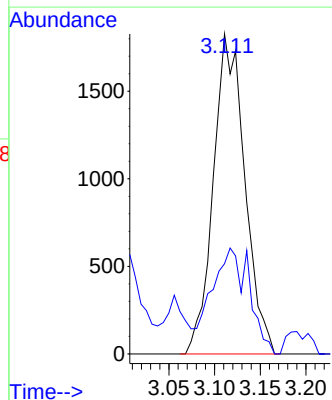
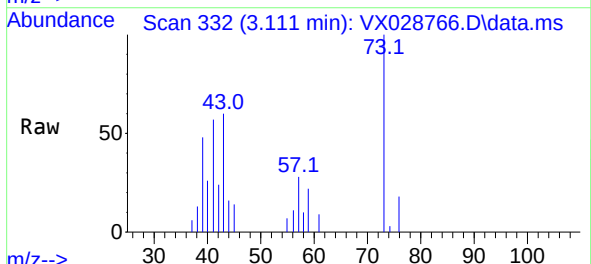
Instrument :
MSVOA_X
ClientSampleId :
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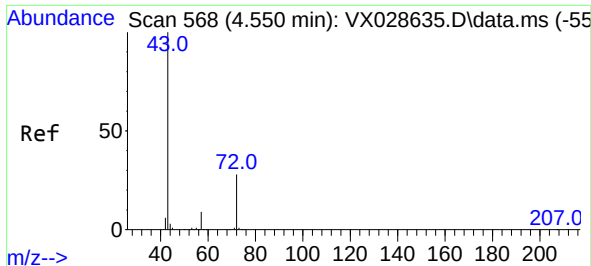
Tgt Ion: 43 Resp: 2138867
Ion Ratio Lower Upper
43 100
58 32.0 28.8 43.2



#19
Methyl tert-butyl Ether
Concen: 0.362 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.000 min
Lab File: VX028766.D
Acq: 17 May 2022 18:29

Tgt Ion: 73 Resp: 4364
Ion Ratio Lower Upper
73 100
57 28.2 16.8 25.2#

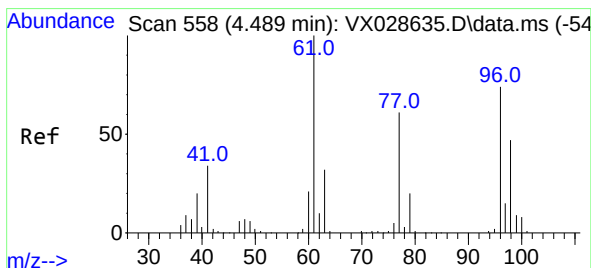
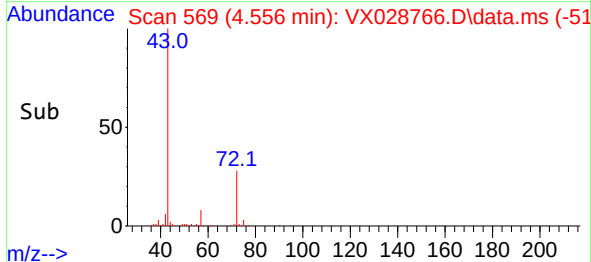
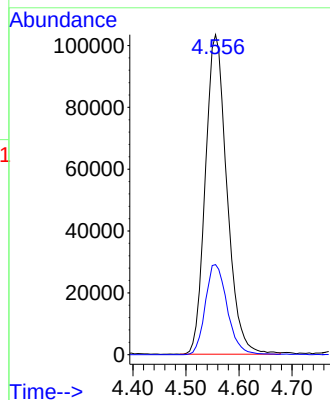
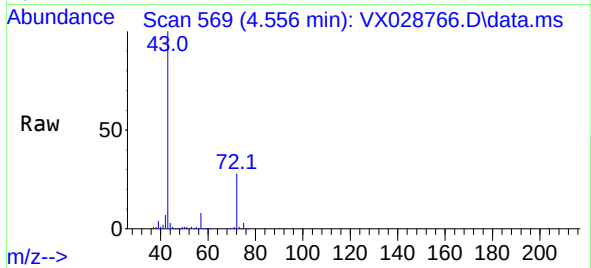




#25
2-Butanone
Concen: 96.343 ug/l
RT: 4.556 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX028766.D
Acq: 17 May 2022 18:29

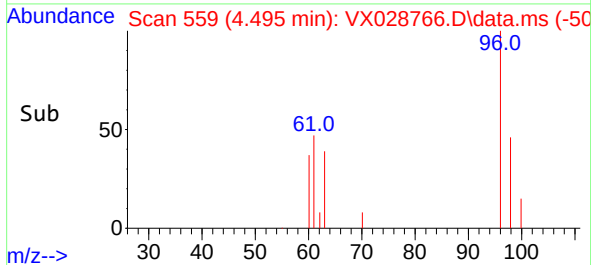
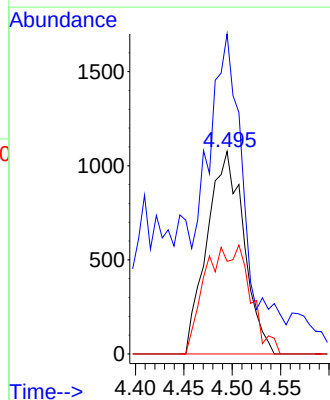
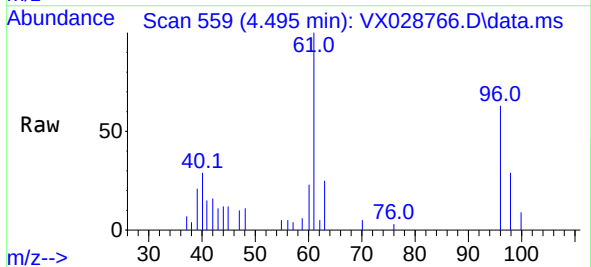
Instrument :
MSVOA_X
ClientSampleId :
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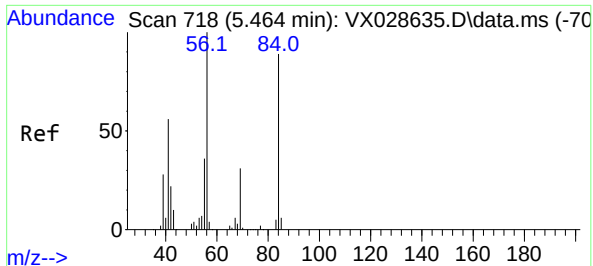
Tgt Ion: 43 Resp: 292106
Ion Ratio Lower Upper
43 100
72 28.2 24.4 36.6



#27
cis-1,2-Dichloroethene
Concen: 0.634 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX028766.D
Acq: 17 May 2022 18:29

Tgt Ion: 96 Resp: 2836
Ion Ratio Lower Upper
96 100
61 136.4 0.0 283.8
98 66.1 0.0 129.8

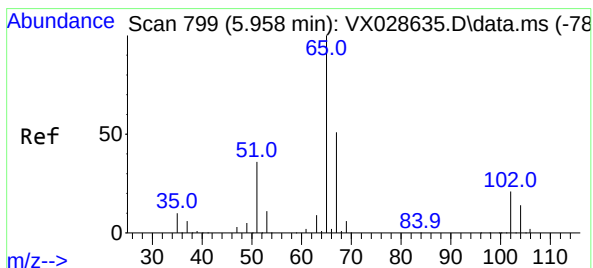
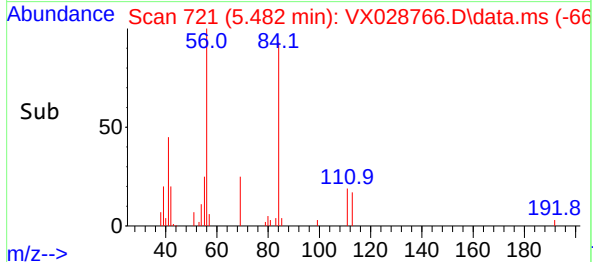
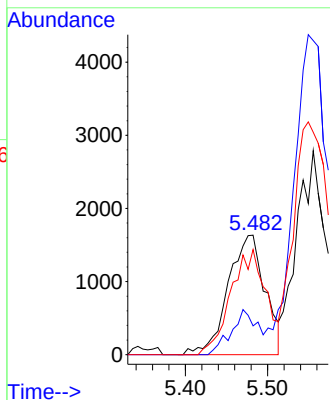
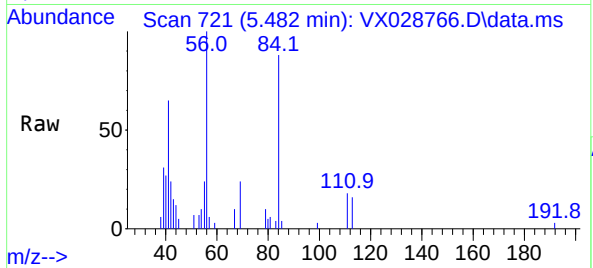




#31
Cyclohexane
Concen: 0.817 ug/l
RT: 5.482 min Scan# 718
Delta R.T. 0.018 min
Lab File: VX028766.D
Acq: 17 May 2022 18:29

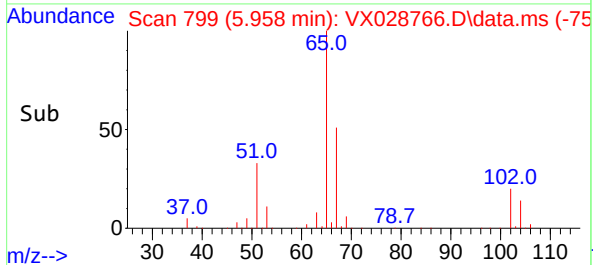
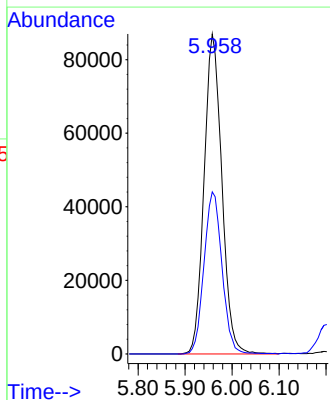
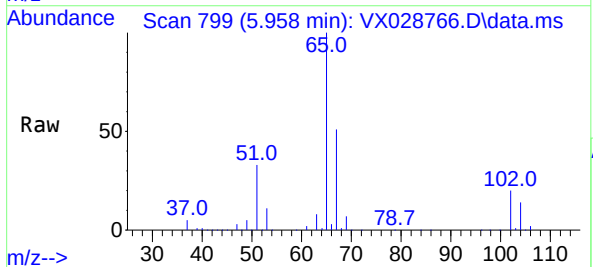
Instrument :
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ClientSampleId :
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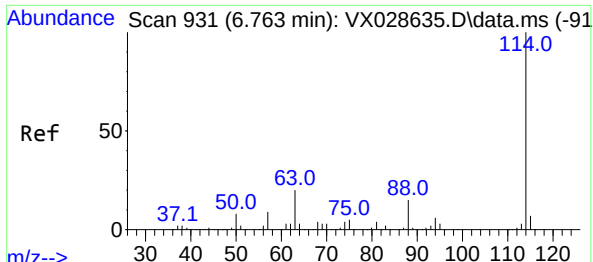
Tgt Ion: 56 Resp: 5103
Ion Ratio Lower Upper
56 100
69 24.1 26.7 40.1#
84 88.0 77.2 115.8



#33
1,2-Dichloroethane-d4
Concen: 50.660 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX028766.D
Acq: 17 May 2022 18:29

Tgt Ion: 65 Resp: 228004
Ion Ratio Lower Upper
65 100
67 51.4 0.0 107.4

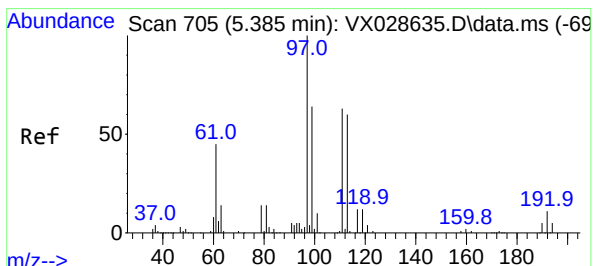
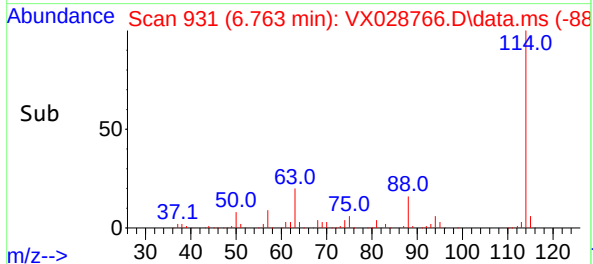
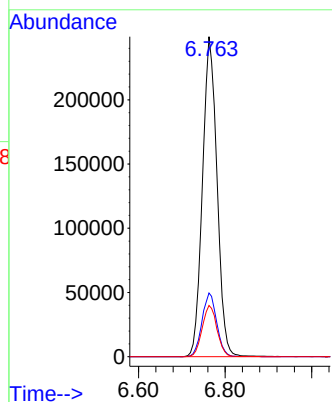
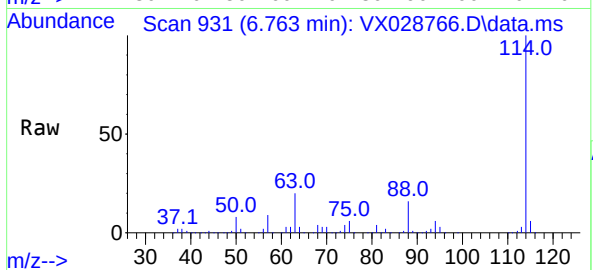




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028766.D
Acq: 17 May 2022 18:29

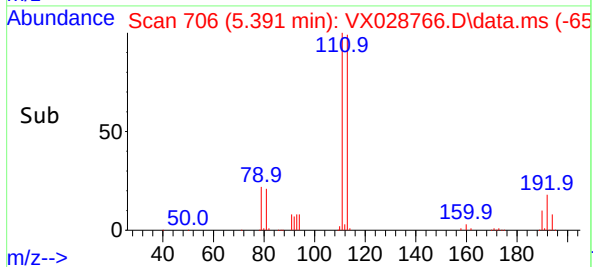
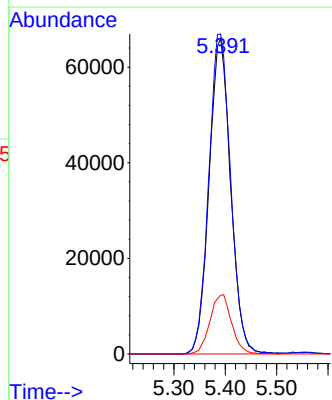
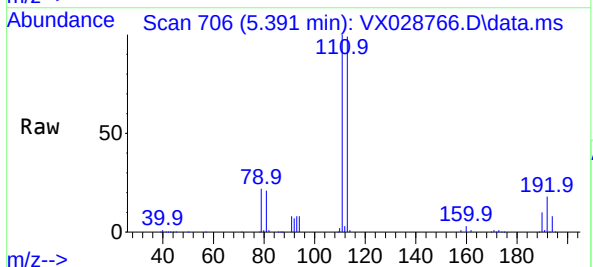
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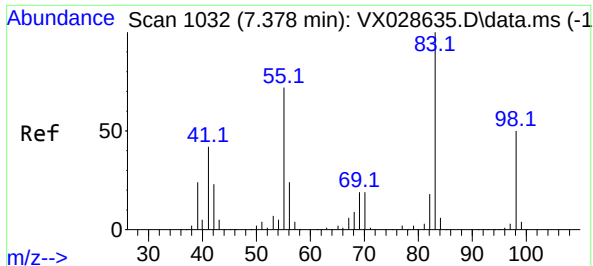
Tgt Ion:114 Resp: 579860
Ion Ratio Lower Upper
114 100
63 19.9 0.0 36.8
88 16.0 0.0 32.4



#35
Dibromofluoromethane
Concen: 50.513 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028766.D
Acq: 17 May 2022 18:29

Tgt Ion:113 Resp: 191905
Ion Ratio Lower Upper
113 100
111 103.0 82.8 124.2
192 18.9 16.9 25.3





#39

Methylcyclohexane

Concen: 0.601 ug/l

RT: 7.378 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX028766.D

Acq: 17 May 2022 18:29

Instrument :

MSVOA_X

ClientSampleId :

31768

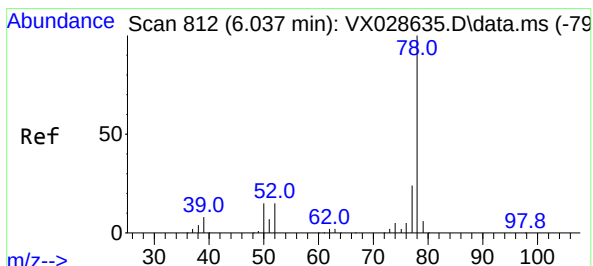
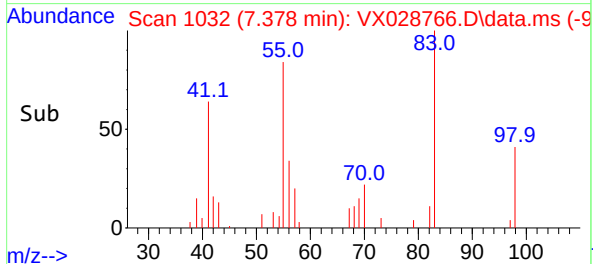
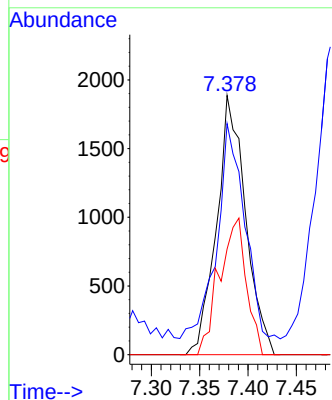
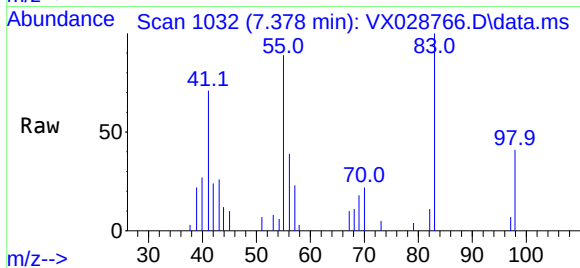
Tgt Ion: 83 Resp: 3933

Ion Ratio Lower Upper

83 100

55 83.0 54.6 81.8#

98 40.8 37.4 56.2



#40

Benzene

Concen: 87.448 ug/l

RT: 6.043 min Scan# 813

Delta R.T. 0.006 min

Lab File: VX028766.D

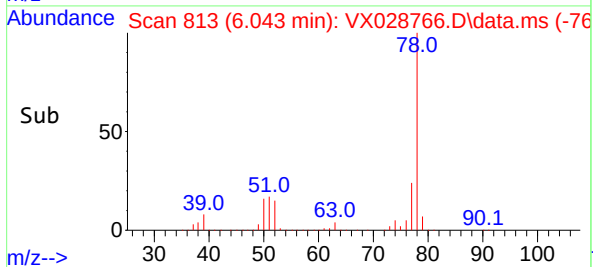
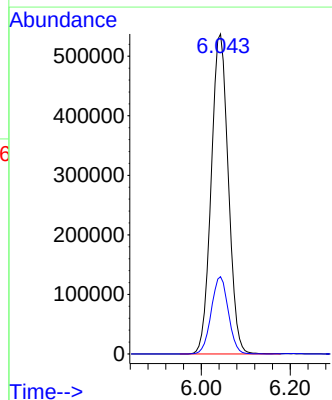
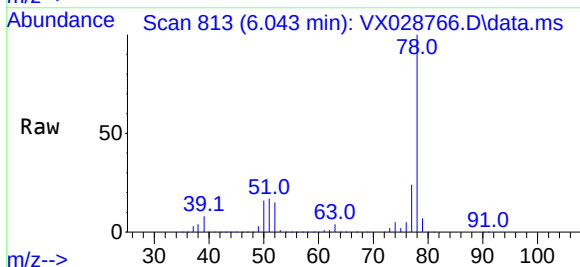
Acq: 17 May 2022 18:29

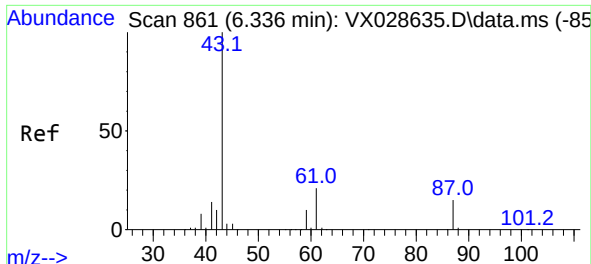
Tgt Ion: 78 Resp: 1434128

Ion Ratio Lower Upper

78 100

77 24.2 19.3 28.9

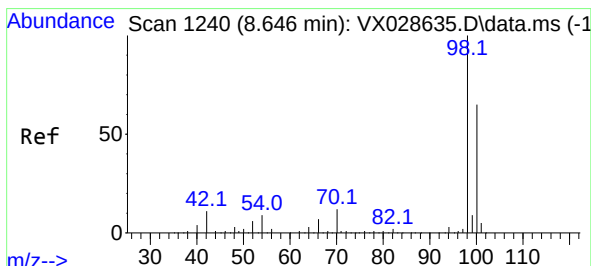
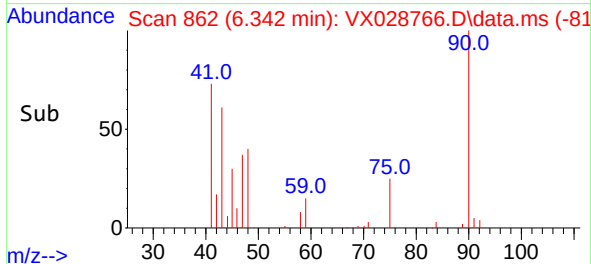
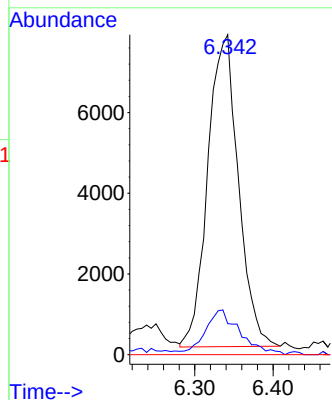
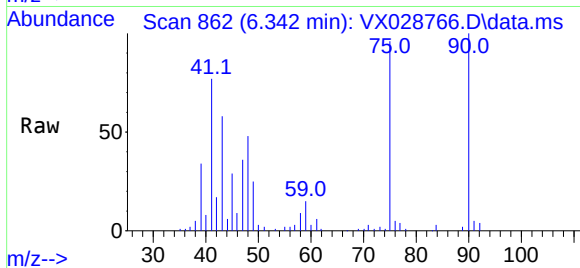




#43
Isopropyl Acetate
Concen: 2.251 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX028766.D
Acq: 17 May 2022 18:29

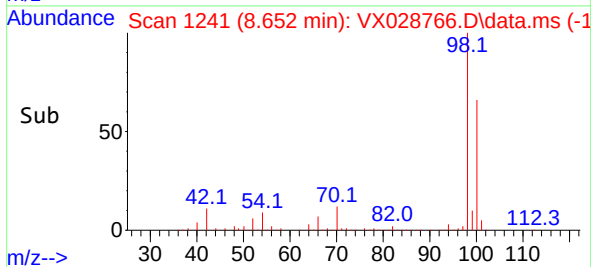
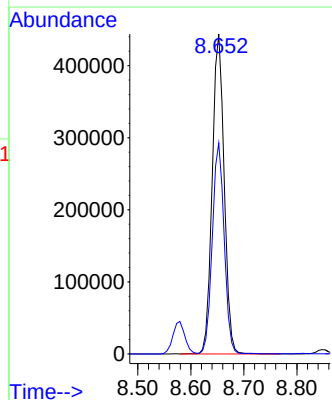
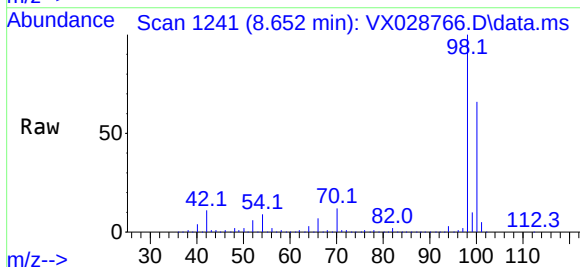
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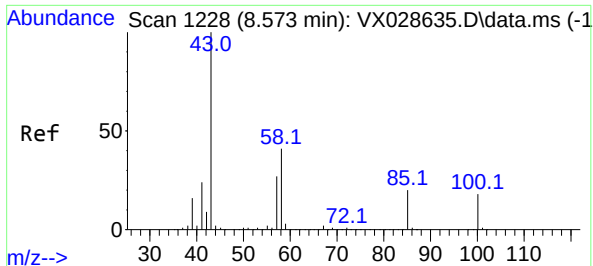
Tgt Ion: 43 Resp: 20990
Ion Ratio Lower Upper
43 100
61 16.3 18.5 27.7#
87 0.0 13.0 19.6#



#50
Toluene-d8
Concen: 48.330 ug/l
RT: 8.652 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX028766.D
Acq: 17 May 2022 18:29

Tgt Ion: 98 Resp: 692257
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 63.290 ug/l

RT: 8.573 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX028766.D

Acq: 17 May 2022 18:29

Instrument :

MSVOA_X

ClientSampleId :

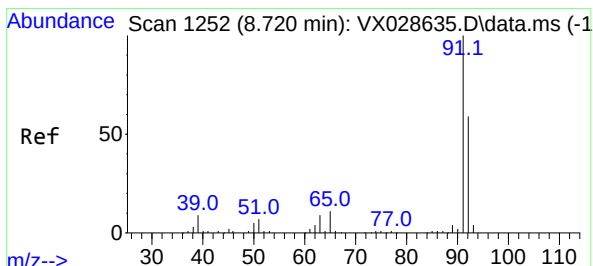
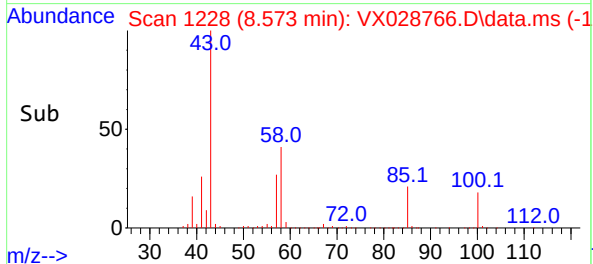
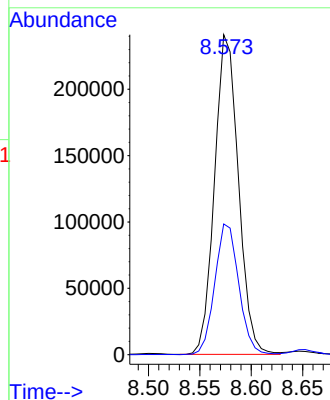
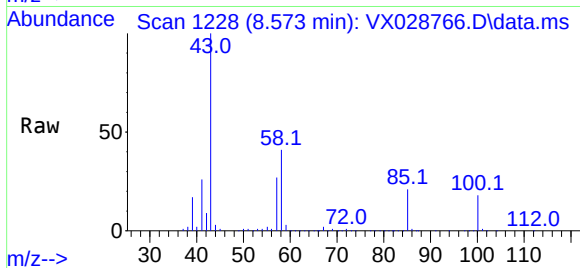
31768

Tgt Ion: 43 Resp: 388713

Ion Ratio Lower Upper

43 100

58 41.0 36.1 54.1



#52

Toluene

Concen: 579.029 ug/l

RT: 8.726 min Scan# 1253

Delta R.T. 0.006 min

Lab File: VX028766.D

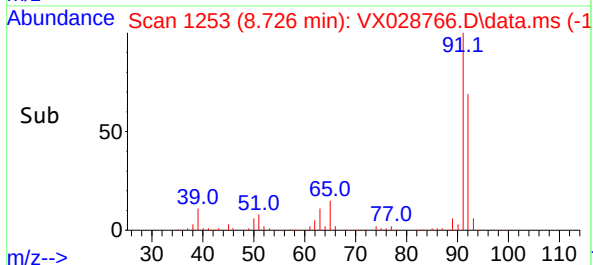
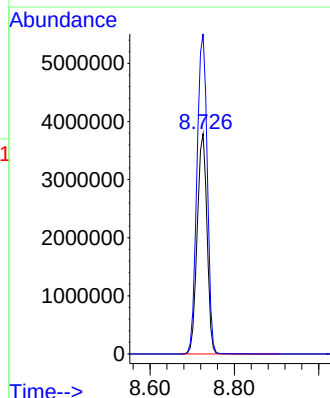
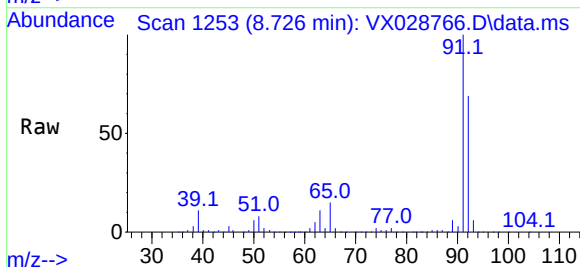
Acq: 17 May 2022 18:29

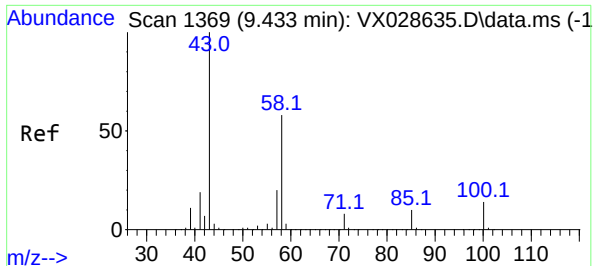
Tgt Ion: 92 Resp: 6108505

Ion Ratio Lower Upper

92 100

91 153.8 137.5 206.3





#59

2-Hexanone

Concen: 1.426 ug/l

RT: 9.433 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX028766.D

Acq: 17 May 2022 18:29

Instrument :

MSVOA_X

ClientSampleId :

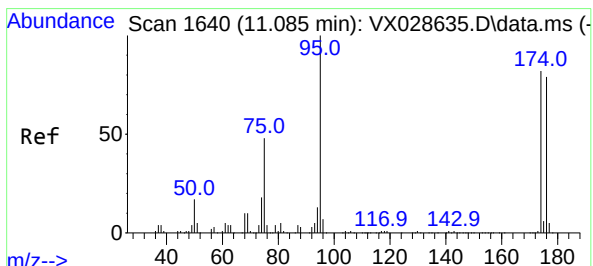
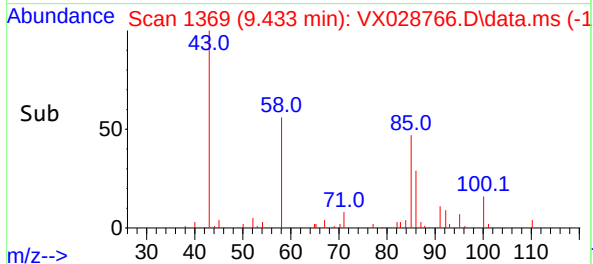
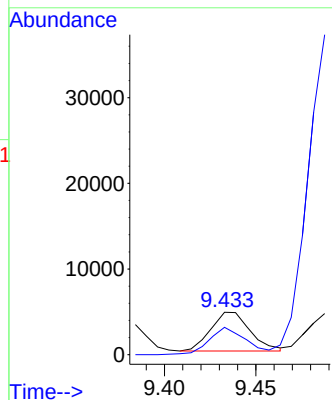
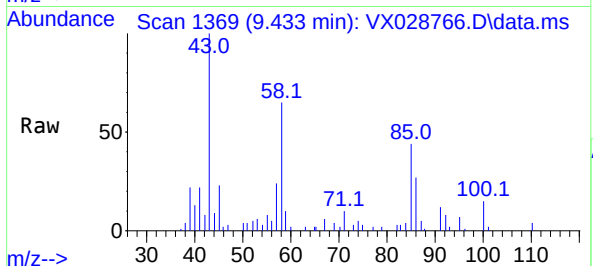
31768

Tgt Ion: 43 Resp: 6803

Ion Ratio Lower Upper

43 100

58 66.1 31.9 95.7



#62

4-Bromofluorobenzene

Concen: 52.225 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX028766.D

Acq: 17 May 2022 18:29

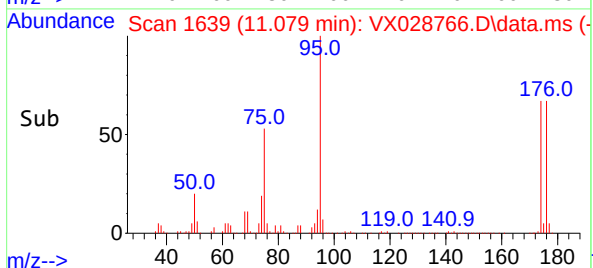
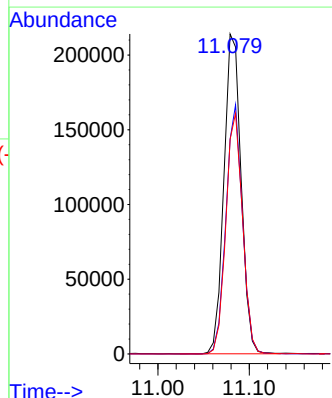
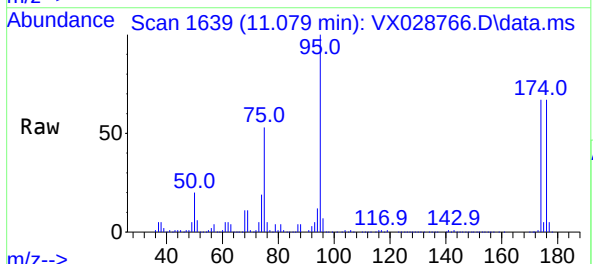
Tgt Ion: 95 Resp: 279403

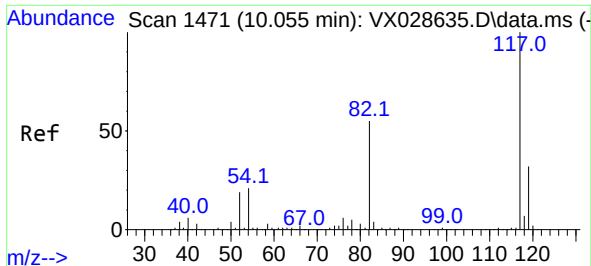
Ion Ratio Lower Upper

95 100

174 74.9 0.0 163.0

176 73.4 0.0 155.0

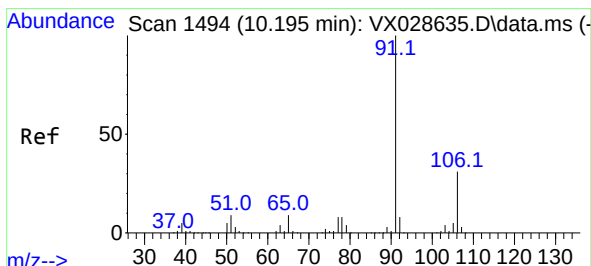
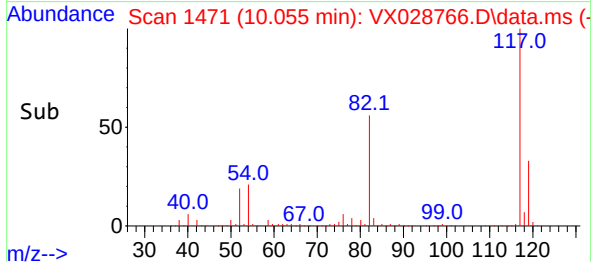
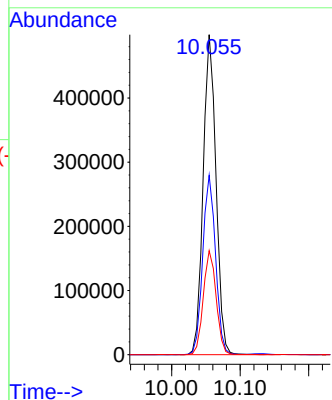
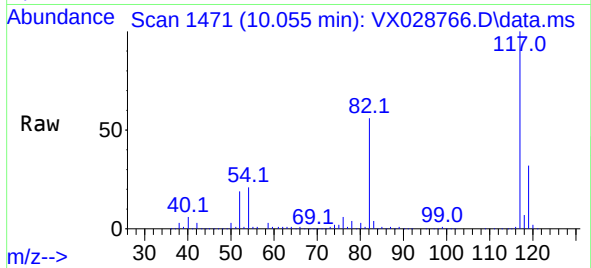




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028766.D
Acq: 17 May 2022 18:29

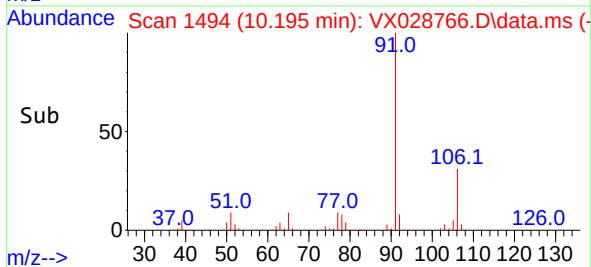
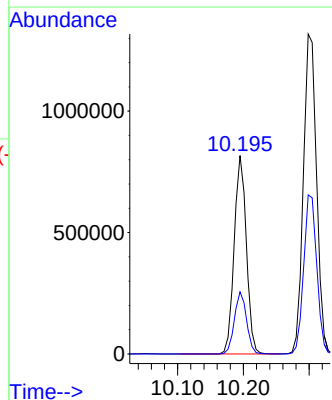
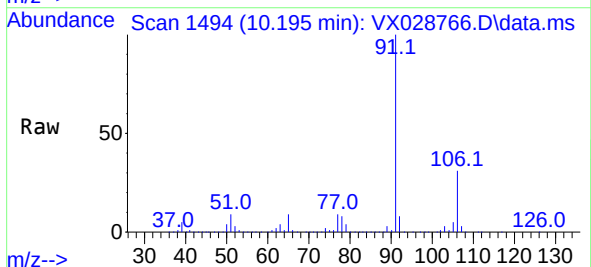
Instrument :
MSVOA_X
ClientSampleId :
31768

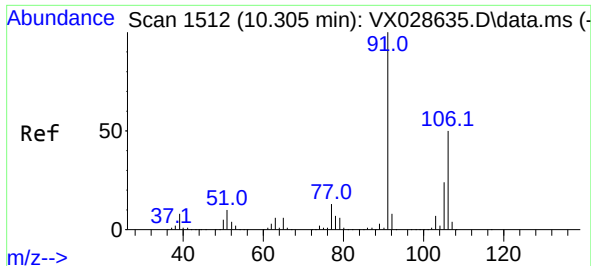
Tgt Ion:117 Resp: 651874
Ion Ratio Lower Upper
117 100
82 56.0 41.8 62.8
119 32.5 24.8 37.2



#67
Ethyl Benzene
Concen: 42.460 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX028766.D
Acq: 17 May 2022 18:29

Tgt Ion: 91 Resp: 1052468
Ion Ratio Lower Upper
91 100
106 31.3 24.6 36.8

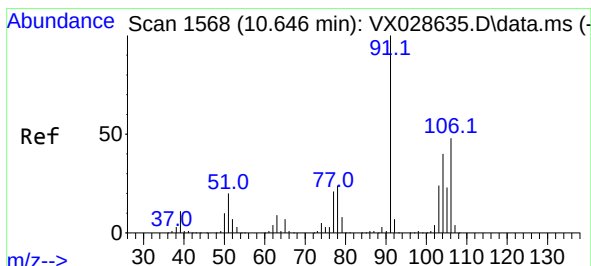
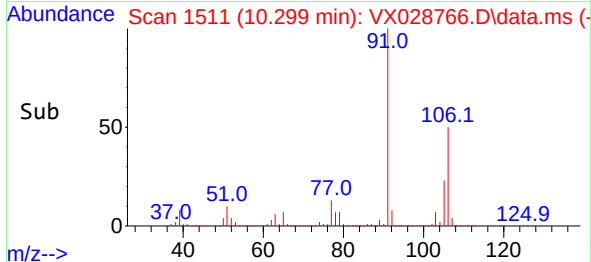
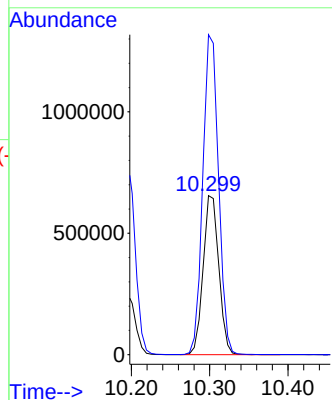
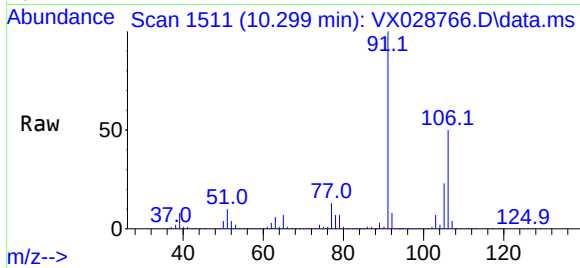




#68
m/p-Xylenes
Concen: 94.042 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX028766.D
Acq: 17 May 2022 18:29

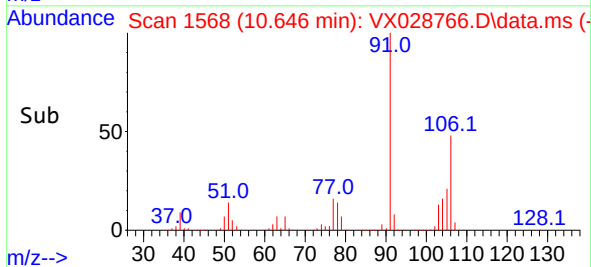
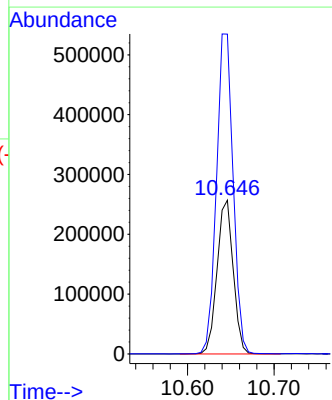
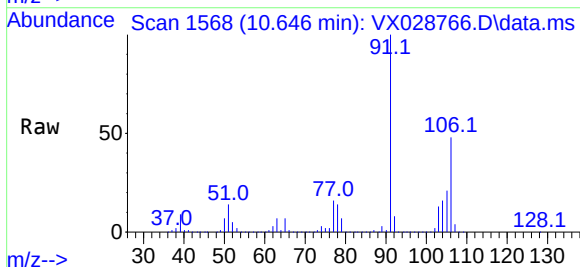
Instrument :
MSVOA_X
ClientSampleId :
31768

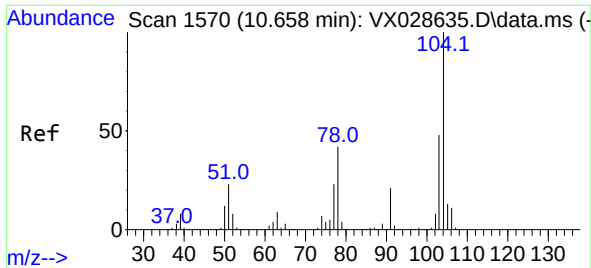
Tgt Ion:106 Resp: 907541
Ion Ratio Lower Upper
106 100
91 202.3 160.4 240.6



#69
o-Xylene
Concen: 35.023 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX028766.D
Acq: 17 May 2022 18:29

Tgt Ion:106 Resp: 332761
Ion Ratio Lower Upper
106 100
91 214.4 106.1 318.1

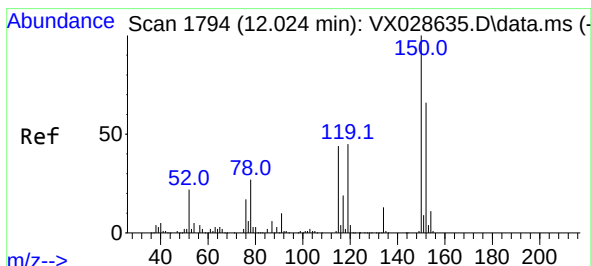
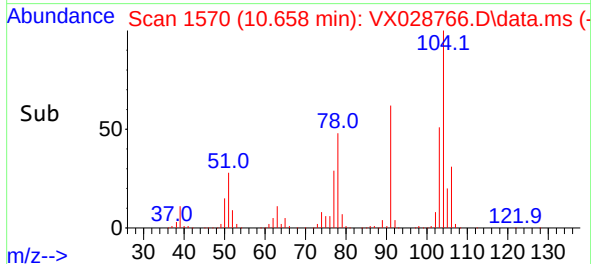
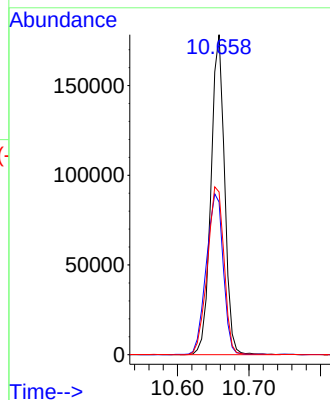
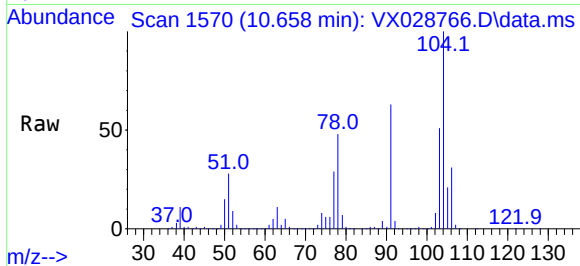




#70
Styrene
Concen: 15.300 ug/l
RT: 10.658 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028766.D
Acq: 17 May 2022 18:29

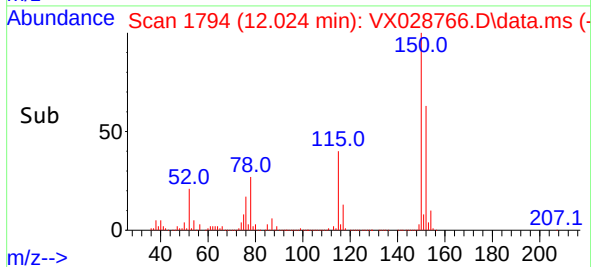
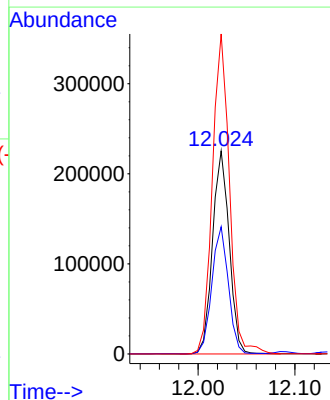
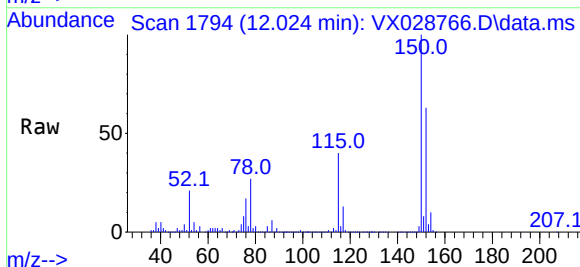
Instrument :
MSVOA_X
ClientSampleId :
31768

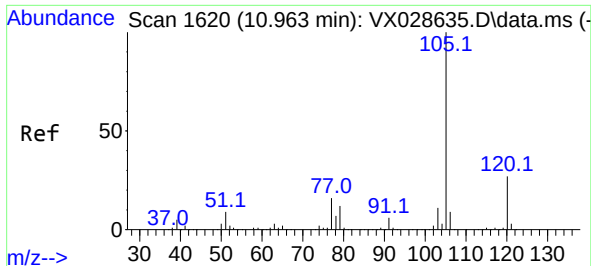
Tgt Ion:104 Resp: 236072
Ion Ratio Lower Upper
104 100
78 62.6 38.6 57.8#
103 64.0 43.8 65.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX028766.D
Acq: 17 May 2022 18:29

Tgt Ion:152 Resp: 270220
Ion Ratio Lower Upper
152 100
115 61.8 37.5 112.7
150 161.4 0.0 338.2

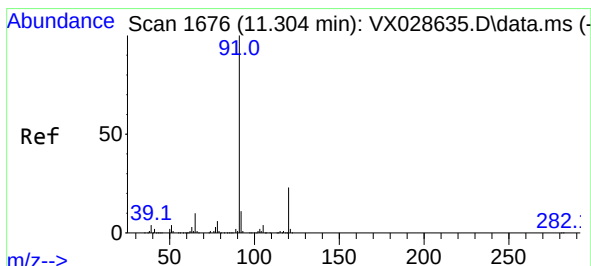
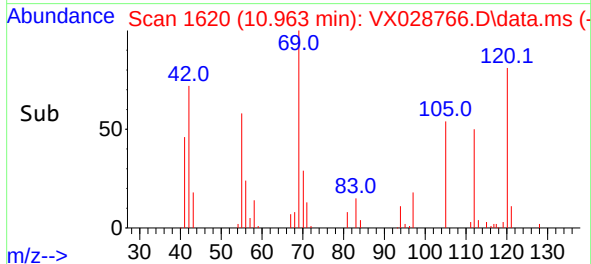
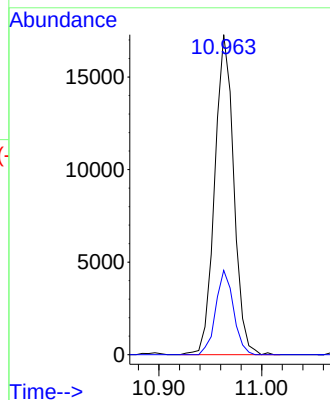
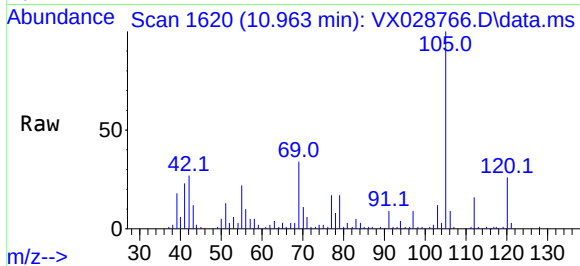




#73
Isopropylbenzene
Concen: 1.083 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX028766.D
Acq: 17 May 2022 18:29

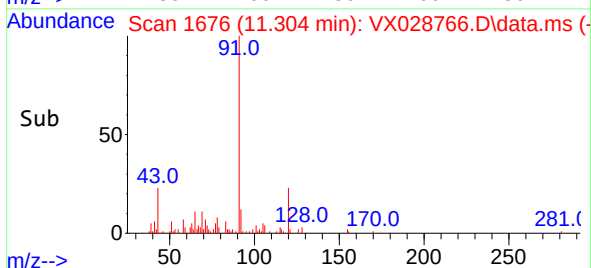
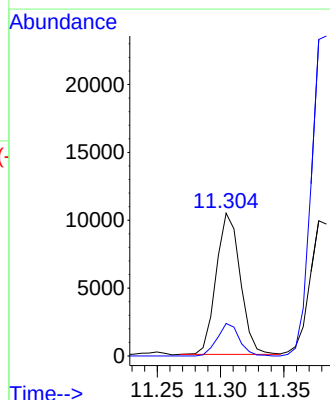
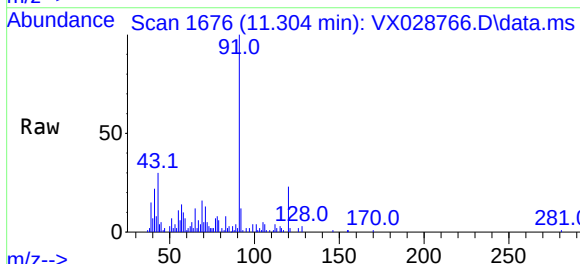
Instrument :
MSVOA_X
ClientSampleId :
31768

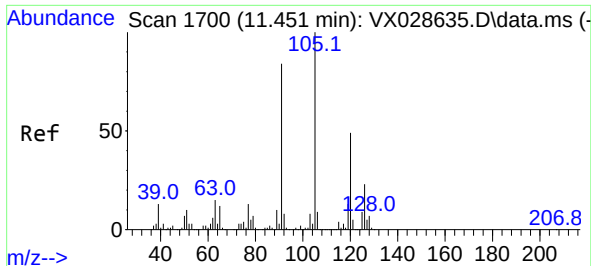
Tgt Ion:105 Resp: 22190
Ion Ratio Lower Upper
105 100
120 24.6 13.5 40.5



#78
n-propylbenzene
Concen: 0.579 ug/l
RT: 11.304 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX028766.D
Acq: 17 May 2022 18:29

Tgt Ion: 91 Resp: 13735
Ion Ratio Lower Upper
91 100
120 21.3 11.6 34.8

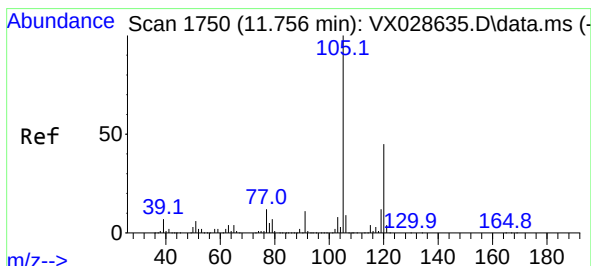
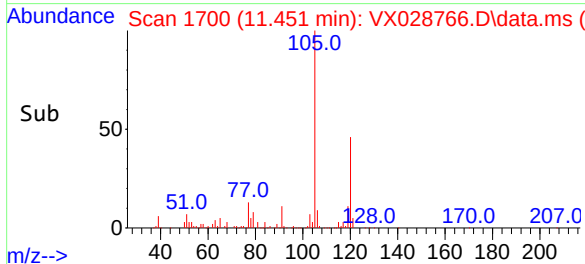
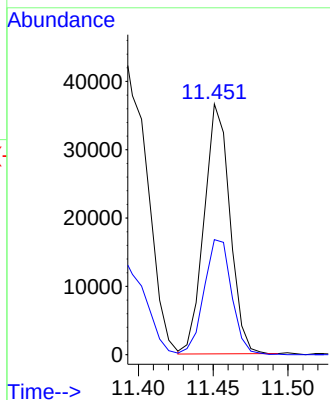
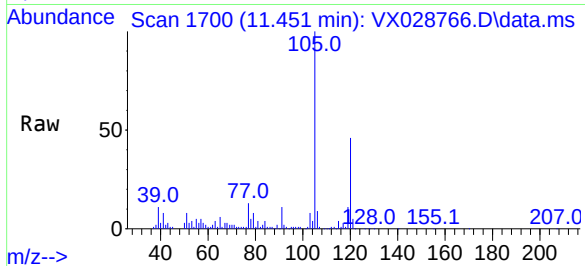




#80
1,3,5-Trimethylbenzene
Concen: 2.569 ug/l
RT: 11.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028766.D
Acq: 17 May 2022 18:29

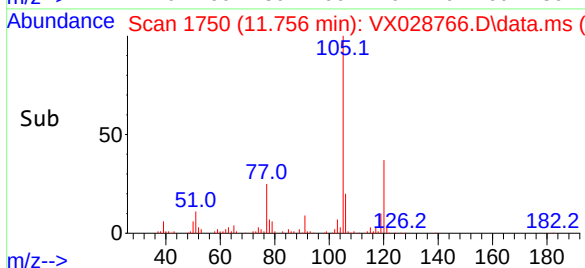
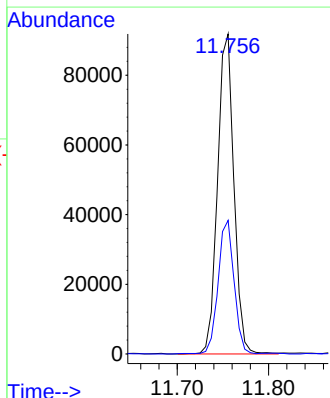
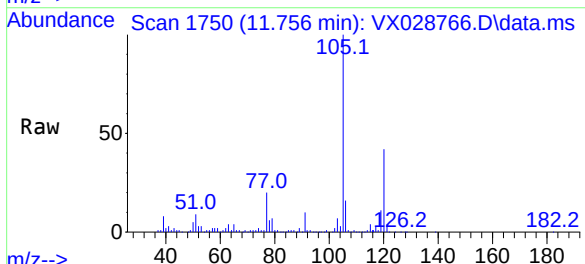
Instrument :
MSVOA_X
ClientSampleId :
31768

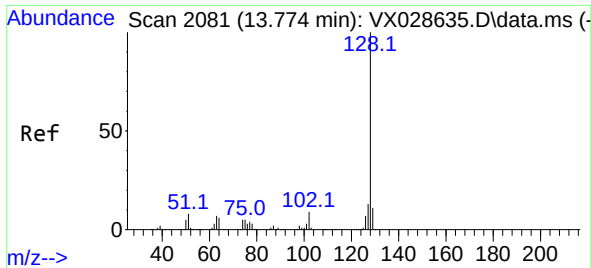
Tgt Ion:105 Resp: 43869
Ion Ratio Lower Upper
105 100
120 49.4 24.3 72.9



#84
1,2,4-Trimethylbenzene
Concen: 6.667 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX028766.D
Acq: 17 May 2022 18:29

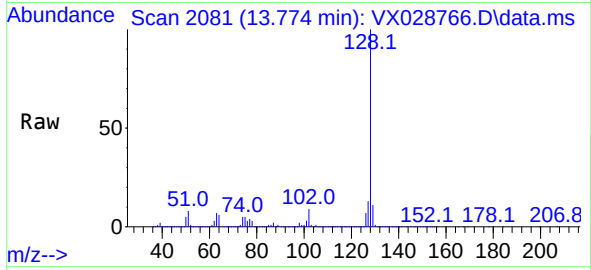
Tgt Ion:105 Resp: 114160
Ion Ratio Lower Upper
105 100
120 41.0 22.6 67.8





#95
Naphthalene
Concen: 40.229 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX028766.D
Acq: 17 May 2022 18:29

Instrument :
MSVOA_X
ClientSampleId :
31768



Tgt Ion:	128	Resp:	772467
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	11.1	8.7	13.1

