

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051722\
 Data File : VX028759.D
 Acq On : 17 May 2022 15:45
 Operator : JC/MD
 Sample : N2884-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31769

Quant Time: May 18 04:51:29 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)

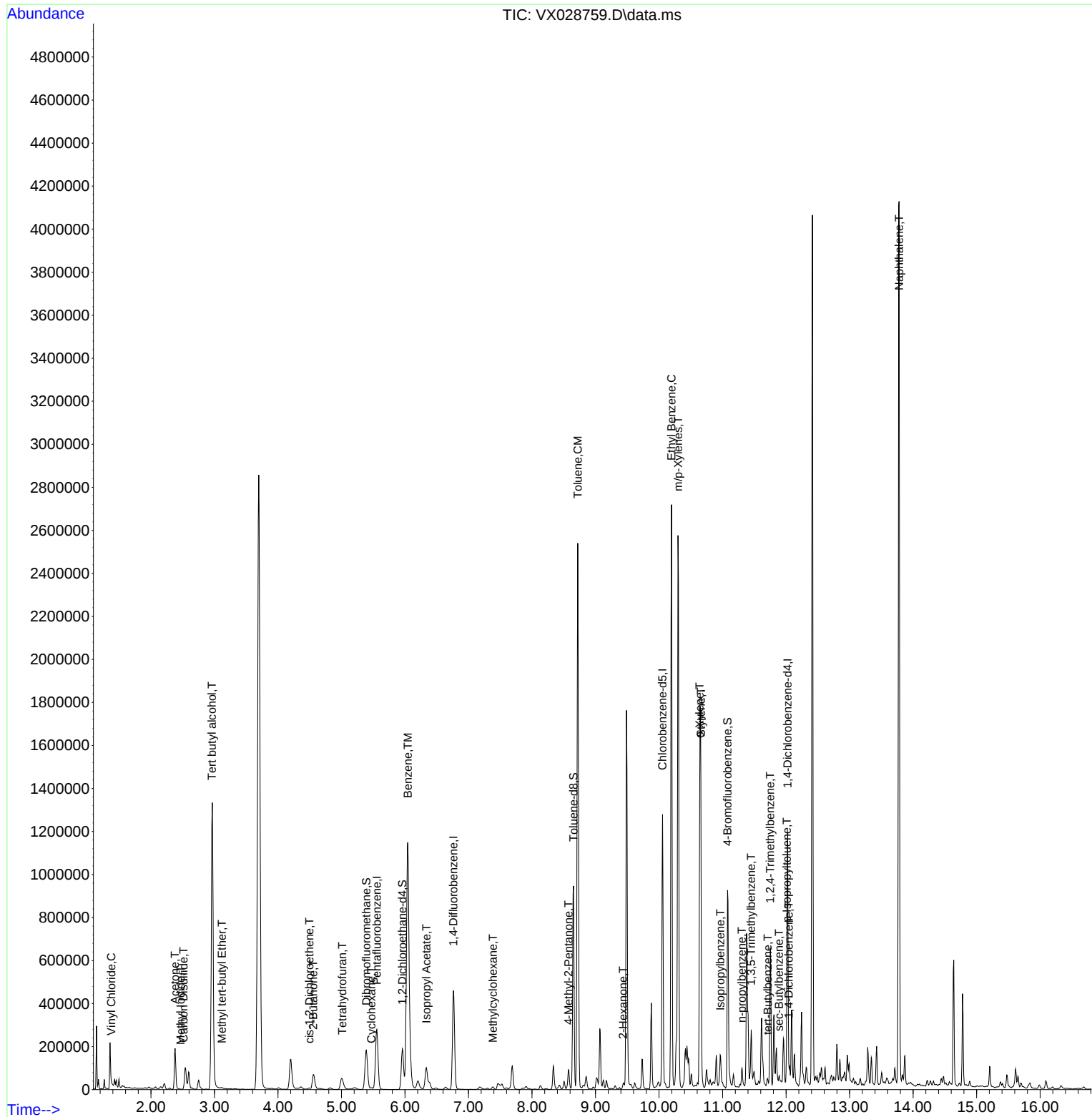
Internal Standards						
1) Pentafluorobenzene	5.556	168	258842	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	470155	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	538567	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	226286	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	179858	50.691	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.380%			
35) Dibromofluoromethane	5.391	113	156083	50.670	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.340%			
50) Toluene-d8	8.653	98	563306	48.504	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 97.000%			
62) 4-Bromofluorobenzene	11.079	95	245786	56.662	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 113.320%			
Target Compounds						Qvalue
4) Vinyl Chloride	1.374	62	1033	0.300	ug/l	95
10) Methyl Iodide	2.465	142	1491	0.432	ug/l	99
11) Tert butyl alcohol	2.959	59	489277	662.960	ug/l	95
16) Acetone	2.379	43	194956	128.027	ug/l	92
17) Carbon Disulfide	2.514	76	2980	0.429	ug/l #	94
19) Methyl tert-butyl Ether	3.117	73	3224	0.339	ug/l #	91
25) 2-Butanone	4.556	43	114798	48.028	ug/l	94
27) cis-1,2-Dichloroethene	4.495	96	3612	1.025	ug/l	87
29) Tetrahydrofuran	5.013	42	3082	1.984	ug/l #	78
31) Cyclohexane	5.470	56	4664	0.947	ug/l	99
39) Methylcyclohexane	7.385	83	5312	1.001	ug/l	92
40) Benzene	6.043	78	1361218	102.370	ug/l	99
43) Isopropyl Acetate	6.336	43	23834	3.153	ug/l #	73
51) 4-Methyl-2-Pentanone	8.573	43	49411	9.922	ug/l	94
52) Toluene	8.720	92	943798	110.338	ug/l	98
59) 2-Hexanone	9.433	43	7644	1.976	ug/l	89
67) Ethyl Benzene	10.195	91	1497280	73.114	ug/l	99
68) m/p-Xylenes	10.299	106	566623	71.068	ug/l	95
69) o-Xylene	10.640	106	275684	35.120	ug/l	97
70) Styrene	10.658	104	470013	36.871	ug/l	97
73) Isopropylbenzene	10.963	105	59210	3.450	ug/l	99
78) n-propylbenzene	11.305	91	47632	2.400	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	106495	7.448	ug/l	100
83) tert-Butylbenzene	11.713	119	4666	0.337	ug/l	85
84) 1,2,4-Trimethylbenzene	11.750	105	278476	19.421	ug/l	100
85) sec-Butylbenzene	11.890	105	8607	0.504	ug/l	99
86) p-Isopropyltoluene	12.012	119	17580	1.227	ug/l	92
88) 1,4-Dichlorobenzene	12.042	146	6167	0.747	ug/l #	46
95) Naphthalene	13.780	128	2508999	156.033	ug/l	99

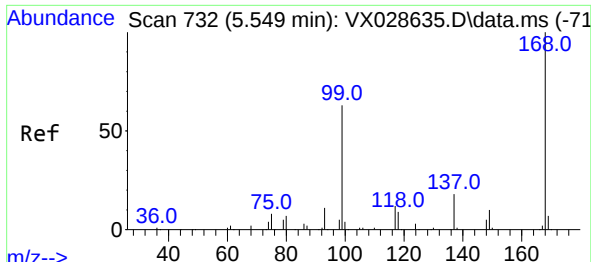
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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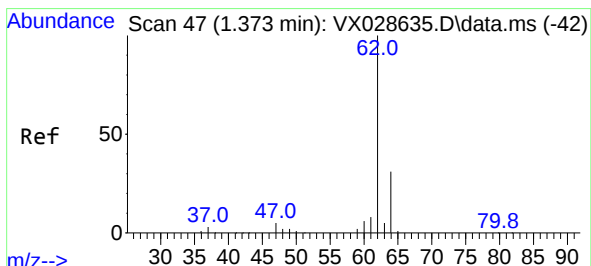
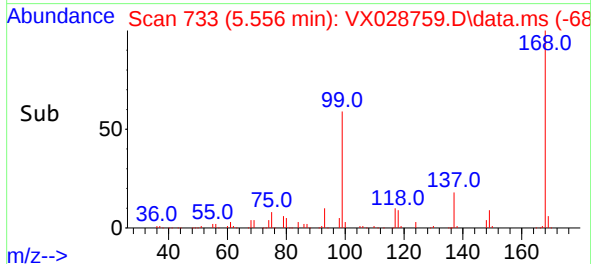
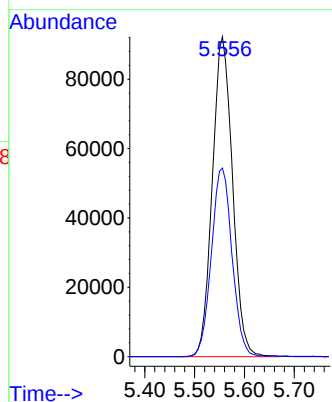
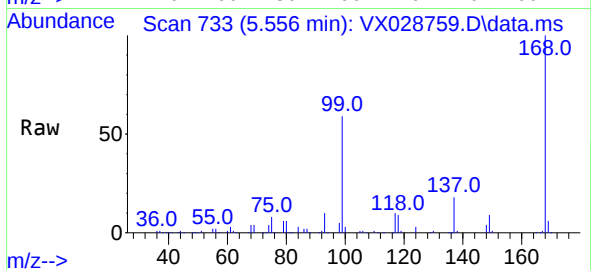




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028759.D
Acq: 17 May 2022 15:45

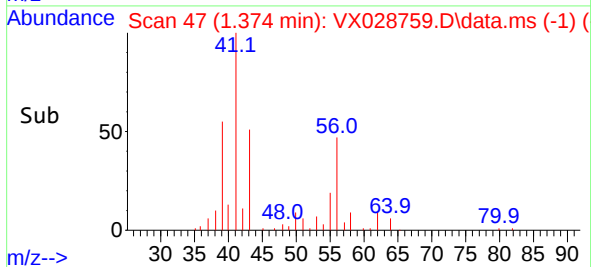
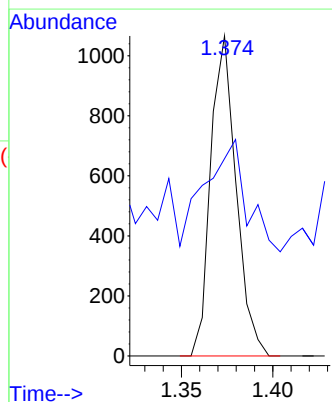
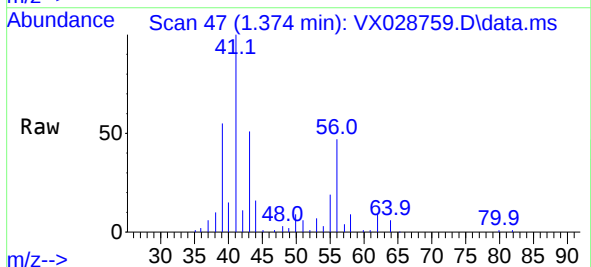
Instrument :
MSVOA_X
ClientSampleId :
31769

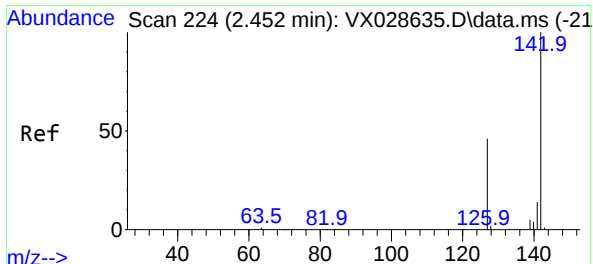
Tgt Ion:168 Resp: 258842
Ion Ratio Lower Upper
168 100
99 59.0 41.7 62.5



#4
Vinyl Chloride
Concen: 0.300 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.001 min
Lab File: VX028759.D
Acq: 17 May 2022 15:45

Tgt Ion: 62 Resp: 1033
Ion Ratio Lower Upper
62 100
64 29.1 25.5 38.3

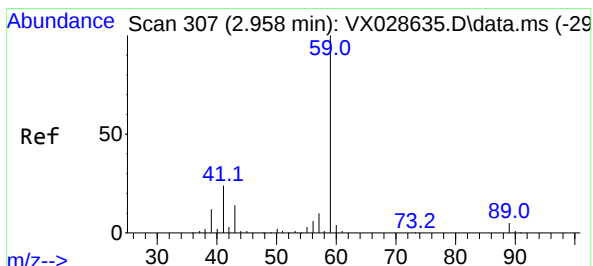
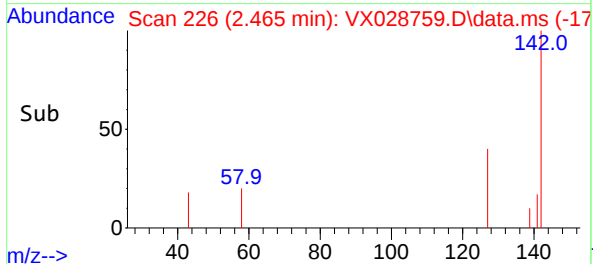
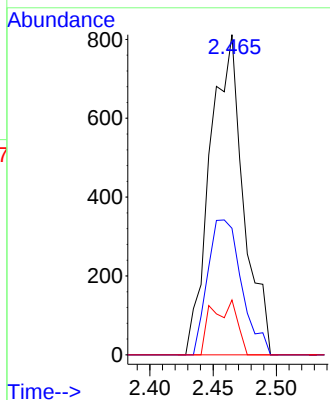
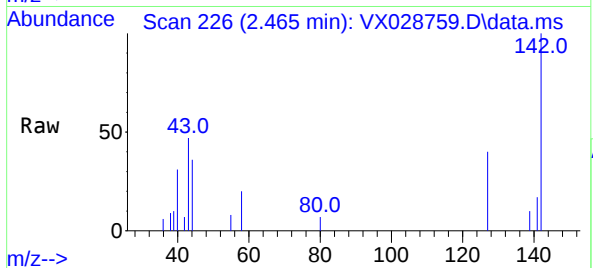




#10
Methyl Iodide
Concen: 0.432 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.013 min
Lab File: VX028759.D
Acq: 17 May 2022 15:45

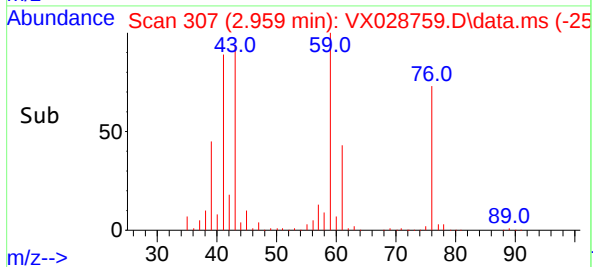
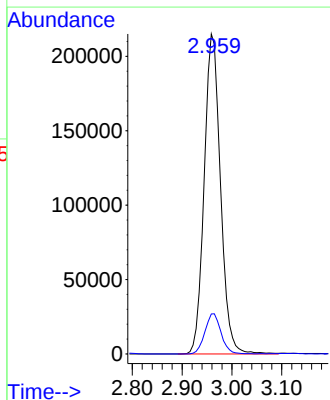
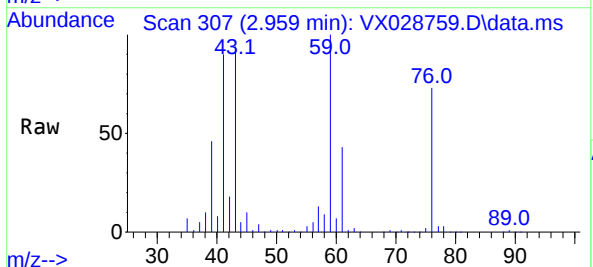
Instrument :
MSVOA_X
ClientSampleId :
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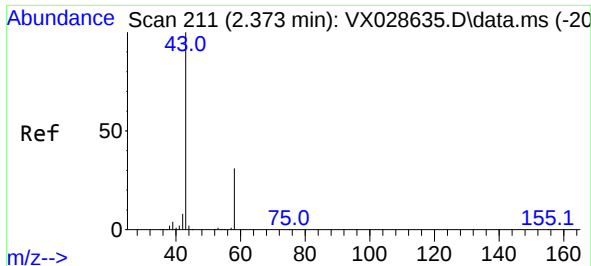
Tgt Ion:142 Resp: 1491
Ion Ratio Lower Upper
142 100
127 42.7 33.9 50.9
141 12.9 11.4 17.2



#11
Tert butyl alcohol
Concen: 662.960 ug/l
RT: 2.959 min Scan# 307
Delta R.T. 0.001 min
Lab File: VX028759.D
Acq: 17 May 2022 15:45

Tgt Ion: 59 Resp: 489277
Ion Ratio Lower Upper
59 100
57 12.5 8.3 12.5

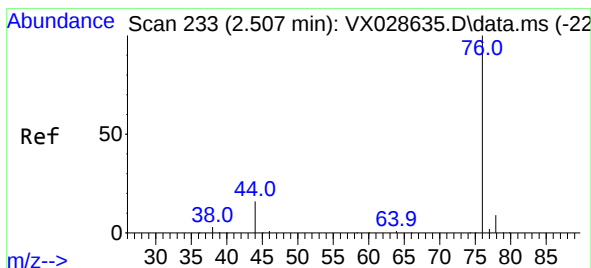
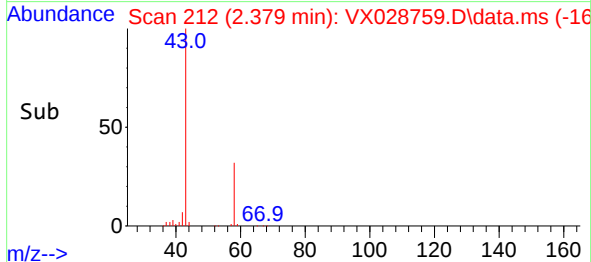
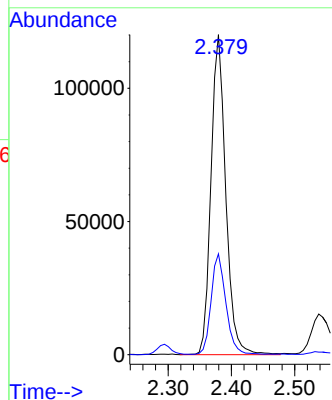
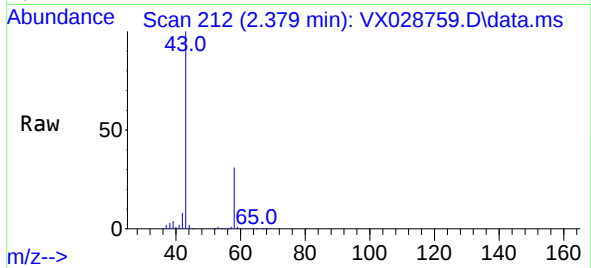




#16
Acetone
Concen: 128.027 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX028759.D
Acq: 17 May 2022 15:45

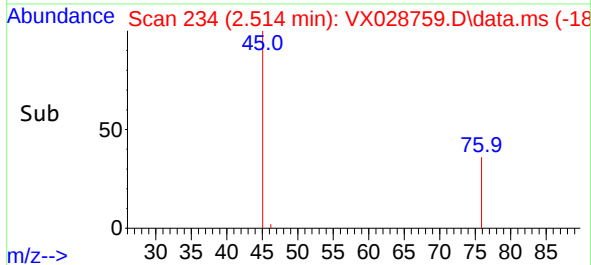
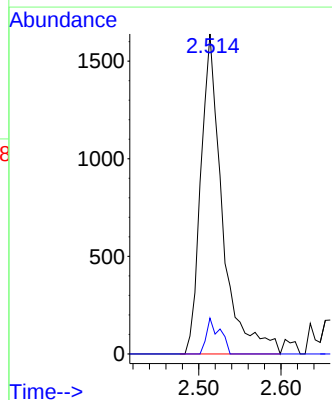
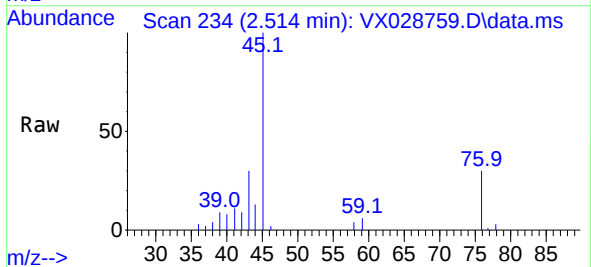
Instrument :
MSVOA_X
ClientSampleId :
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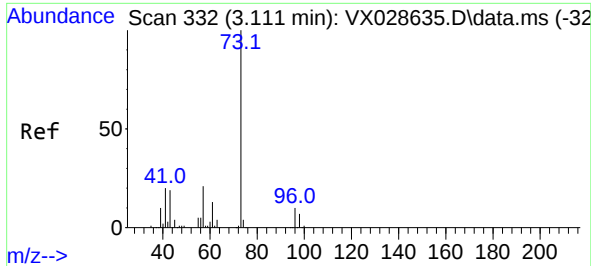
Tgt Ion: 43 Resp: 194956
Ion Ratio Lower Upper
43 100
58 31.3 28.8 43.2



#17
Carbon Disulfide
Concen: 0.429 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.007 min
Lab File: VX028759.D
Acq: 17 May 2022 15:45

Tgt Ion: 76 Resp: 2980
Ion Ratio Lower Upper
76 100
78 11.2 7.2 10.8#

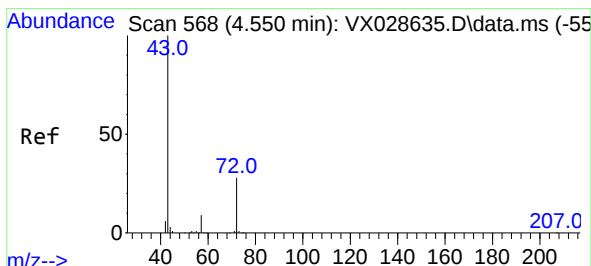
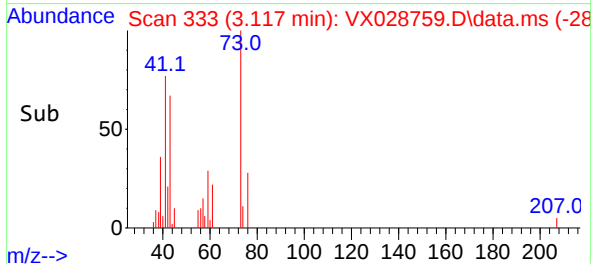
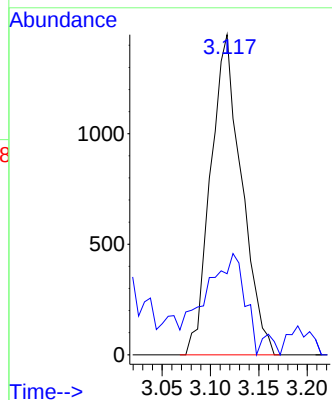
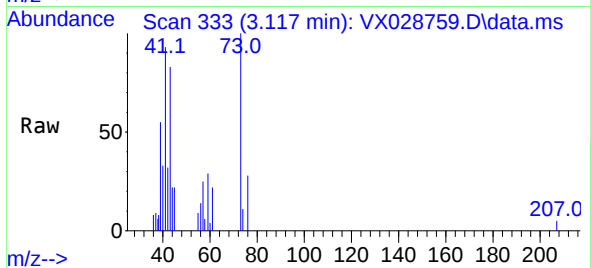




#19
Methyl tert-butyl Ether
Concen: 0.339 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX028759.D
Acq: 17 May 2022 15:45

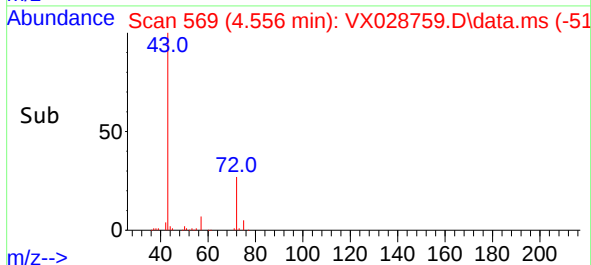
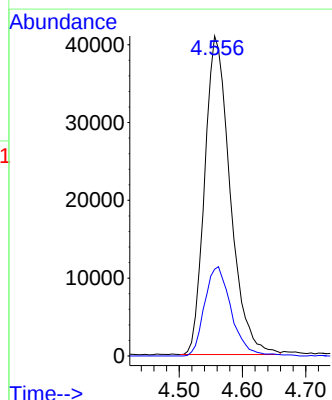
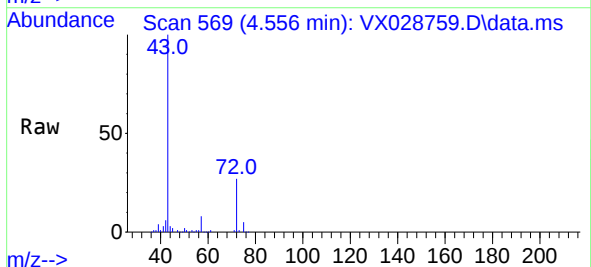
Instrument :
MSVOA_X
ClientSampleId :
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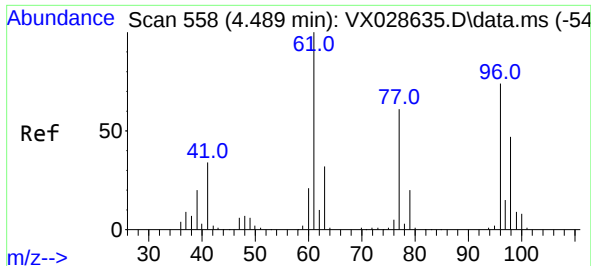
Tgt Ion: 73 Resp: 3224
Ion Ratio Lower Upper
73 100
57 25.3 16.8 25.2#



#25
2-Butanone
Concen: 48.028 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.006 min
Lab File: VX028759.D
Acq: 17 May 2022 15:45

Tgt Ion: 43 Resp: 114798
Ion Ratio Lower Upper
43 100
72 27.2 24.4 36.6





#27

cis-1,2-Dichloroethene

Concen: 1.025 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX028759.D

Acq: 17 May 2022 15:45

Instrument :

MSVOA_X

ClientSampleId :

31769

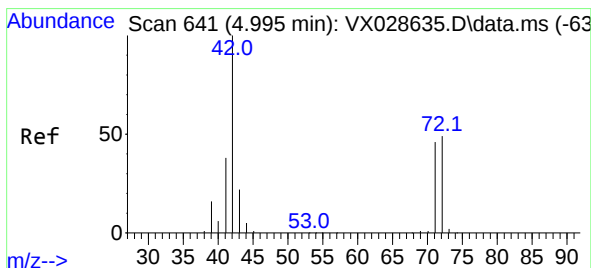
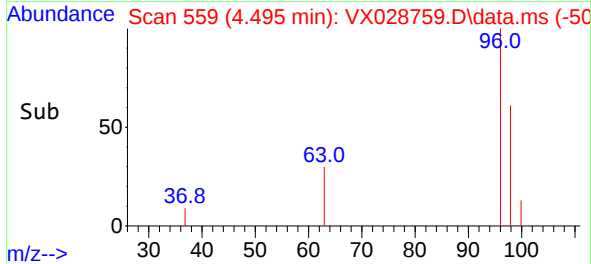
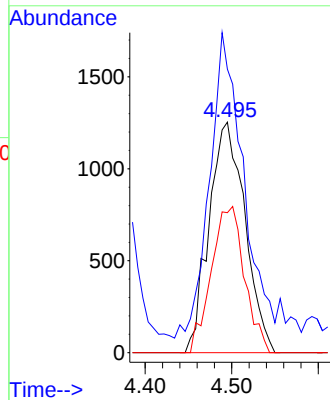
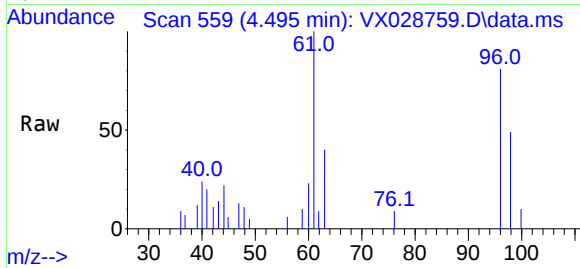
Tgt Ion: 96 Resp: 3612

Ion Ratio Lower Upper

96 100

61 123.5 0.0 283.8

98 58.5 0.0 129.8



#29

Tetrahydrofuran

Concen: 1.984 ug/l

RT: 5.013 min Scan# 644

Delta R.T. 0.018 min

Lab File: VX028759.D

Acq: 17 May 2022 15:45

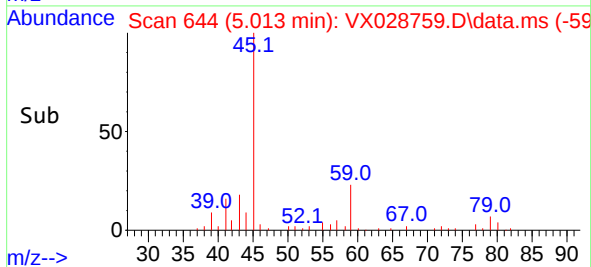
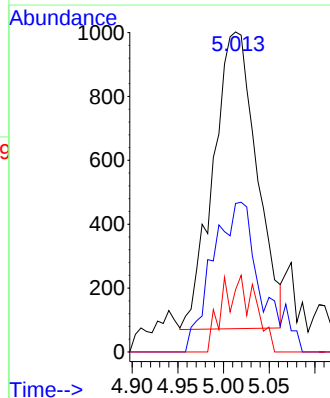
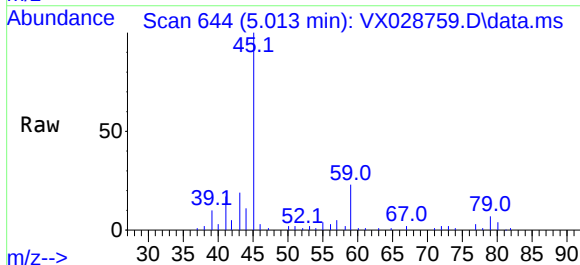
Tgt Ion: 42 Resp: 3082

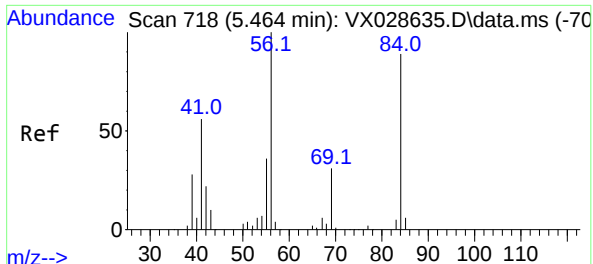
Ion Ratio Lower Upper

42 100

72 56.0 44.1 66.1

71 19.1 40.5 60.7#





#31

Cyclohexane

Concen: 0.947 ug/l

RT: 5.470 min Scan# 718

Delta R.T. 0.006 min

Lab File: VX028759.D

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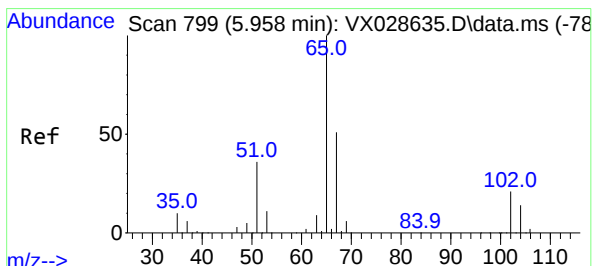
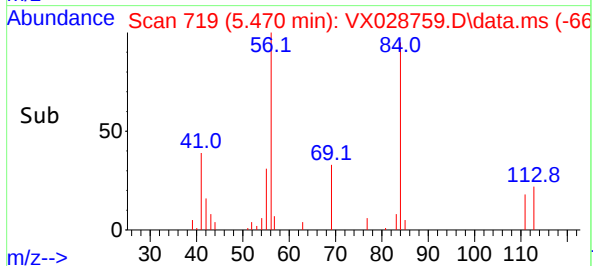
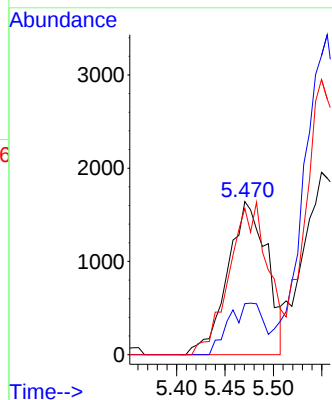
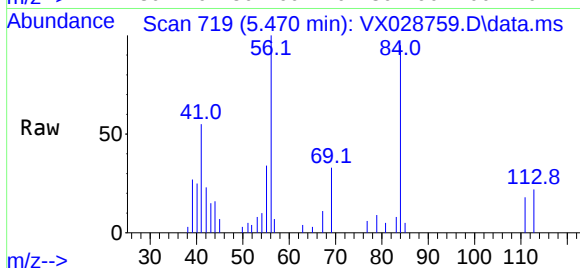
Tgt Ion: 56 Resp: 4664

Ion Ratio Lower Upper

56 100

69 33.3 26.7 40.1

84 95.4 77.2 115.8



#33

1,2-Dichloroethane-d4

Concen: 50.691 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028759.D

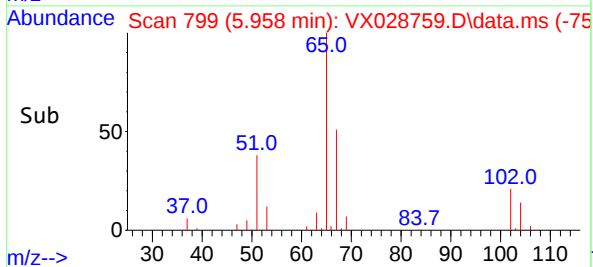
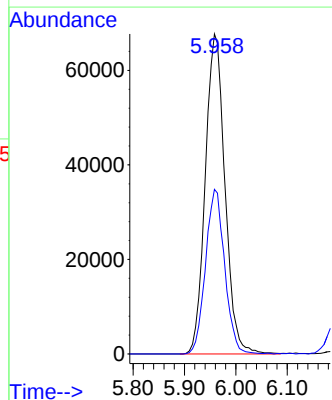
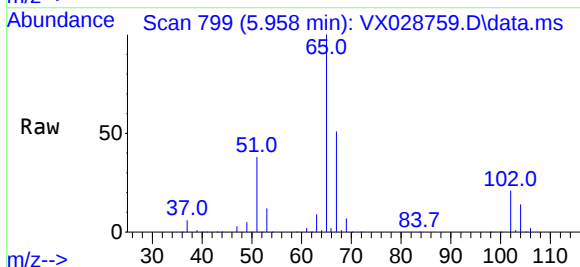
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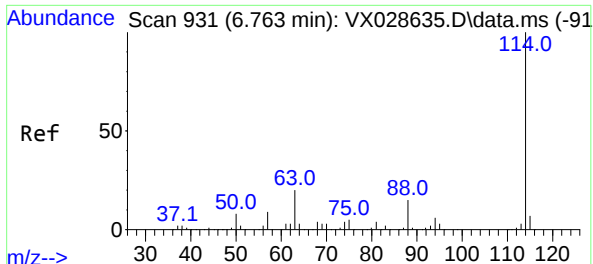
Tgt Ion: 65 Resp: 179858

Ion Ratio Lower Upper

65 100

67 50.0 0.0 107.4

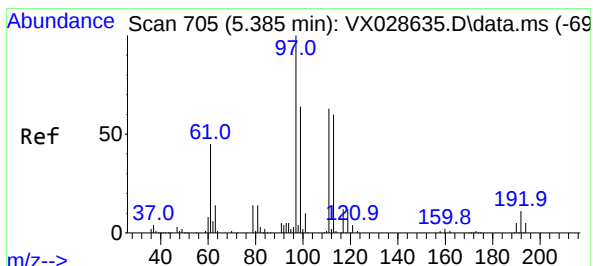
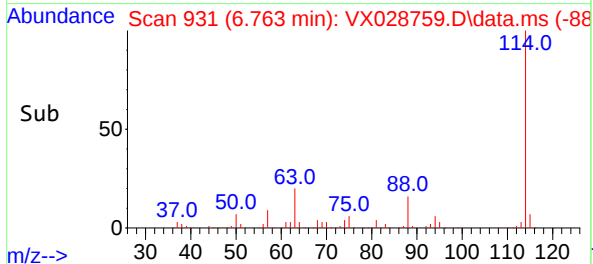
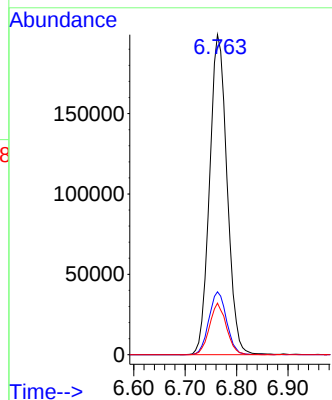
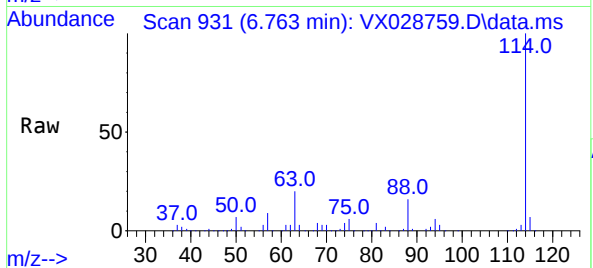




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028759.D
Acq: 17 May 2022 15:45

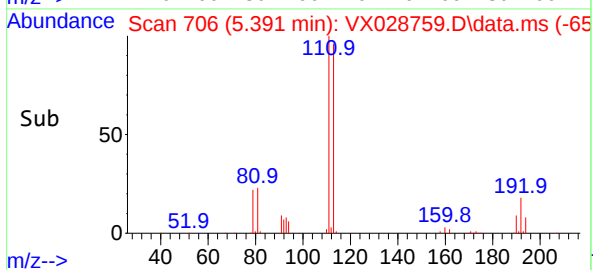
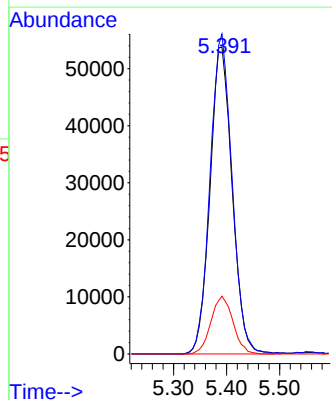
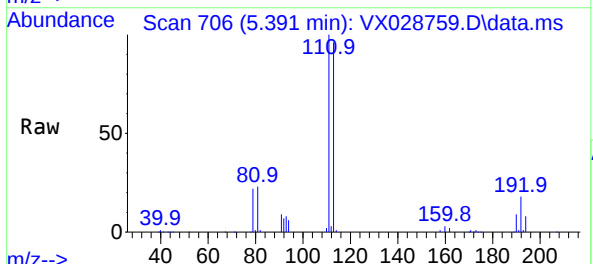
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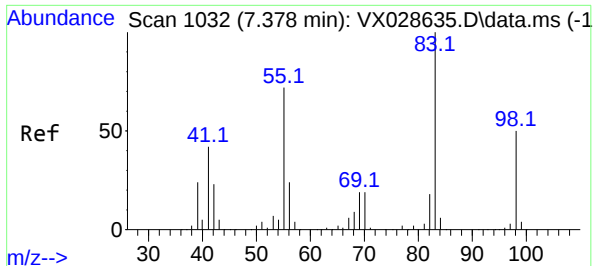
Tgt Ion:114 Resp: 470155
Ion Ratio Lower Upper
114 100
63 19.7 0.0 36.8
88 16.1 0.0 32.4



#35
Dibromofluoromethane
Concen: 50.670 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028759.D
Acq: 17 May 2022 15:45

Tgt Ion:113 Resp: 156083
Ion Ratio Lower Upper
113 100
111 103.3 82.8 124.2
192 18.7 16.9 25.3





#39

Methylcyclohexane

Concen: 1.001 ug/l

RT: 7.385 min Scan# 10

Delta R.T. 0.007 min

Lab File: VX028759.D

Acq: 17 May 2022 15:45

Instrument :

MSVOA_X

ClientSampleId :

31769

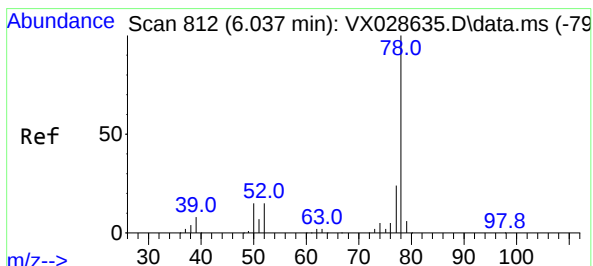
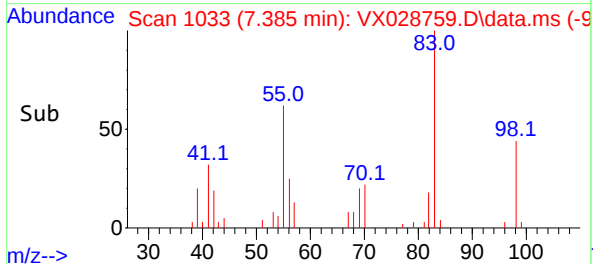
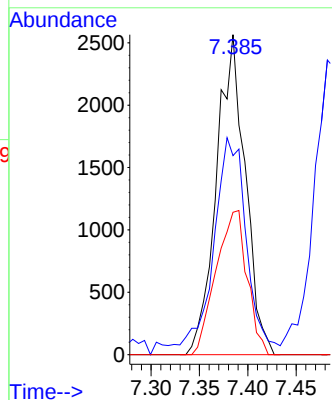
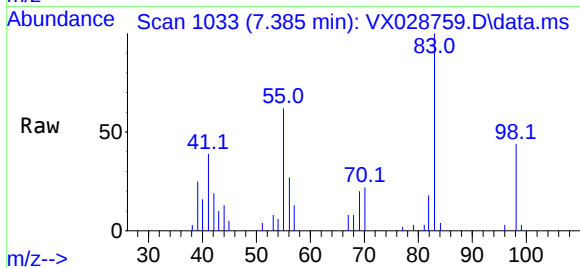
Tgt Ion: 83 Resp: 5312

Ion Ratio Lower Upper

83 100

55 59.4 54.6 81.8

98 44.5 37.4 56.2



#40

Benzene

Concen: 102.370 ug/l

RT: 6.043 min Scan# 813

Delta R.T. 0.006 min

Lab File: VX028759.D

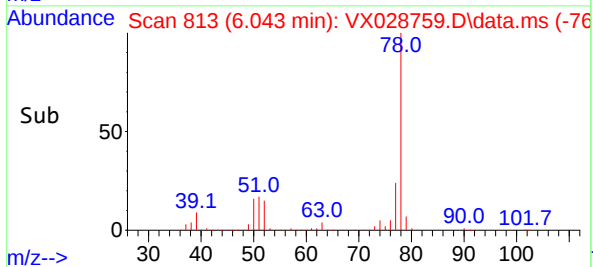
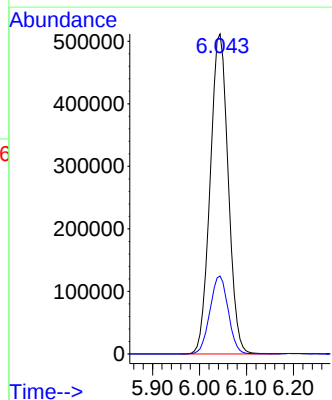
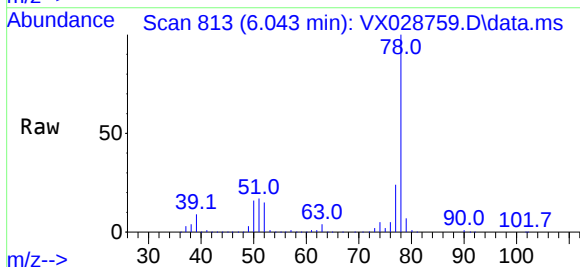
Acq: 17 May 2022 15:45

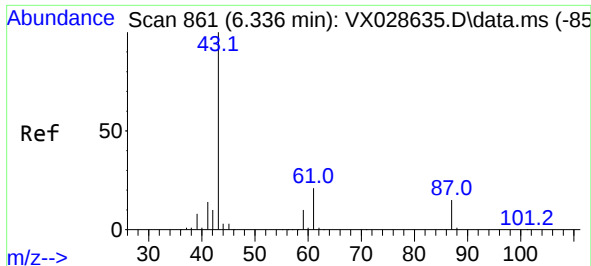
Tgt Ion: 78 Resp: 1361218

Ion Ratio Lower Upper

78 100

77 24.4 19.3 28.9

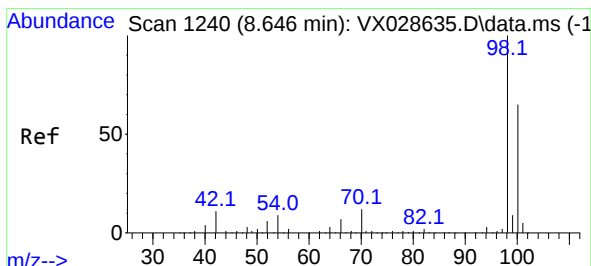
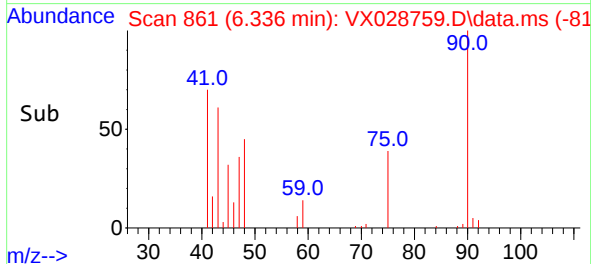
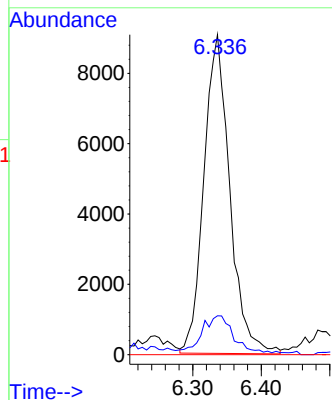
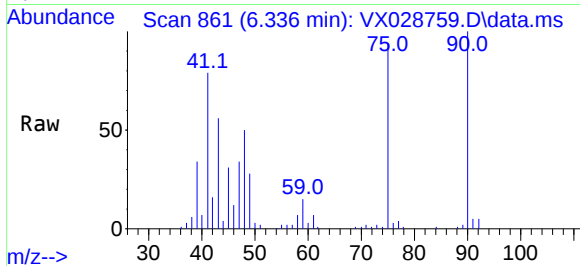




#43
Isopropyl Acetate
Concen: 3.153 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX028759.D
Acq: 17 May 2022 15:45

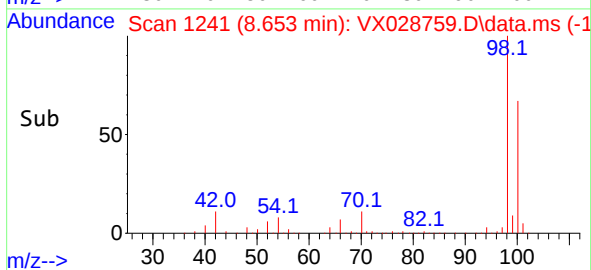
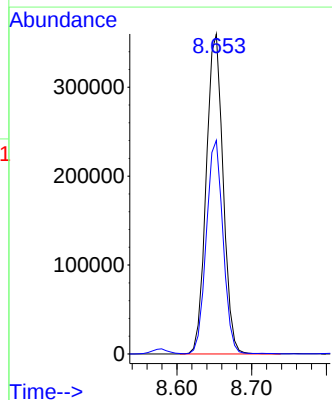
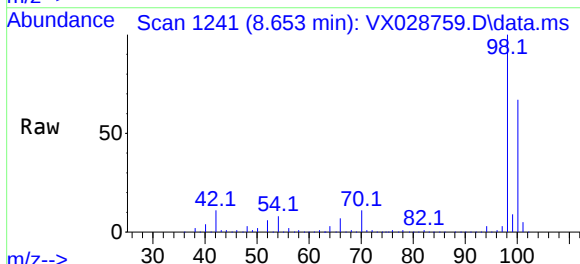
Instrument :
MSVOA_X
ClientSampleId :
31769

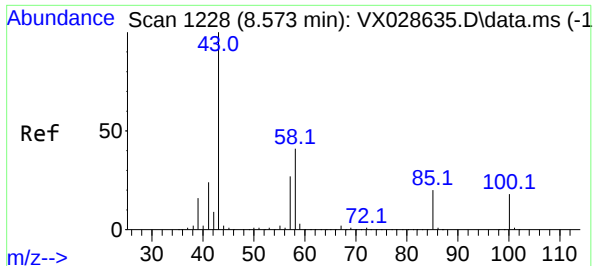
Tgt Ion: 43 Resp: 23834
Ion Ratio Lower Upper
43 100
61 13.7 18.5 27.7#
87 0.0 13.0 19.6#



#50
Toluene-d8
Concen: 48.504 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX028759.D
Acq: 17 May 2022 15:45

Tgt Ion: 98 Resp: 563306
Ion Ratio Lower Upper
98 100
100 66.0 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 9.922 ug/l

RT: 8.573 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX028759.D

Acq: 17 May 2022 15:45

Instrument :

MSVOA_X

ClientSampleId :

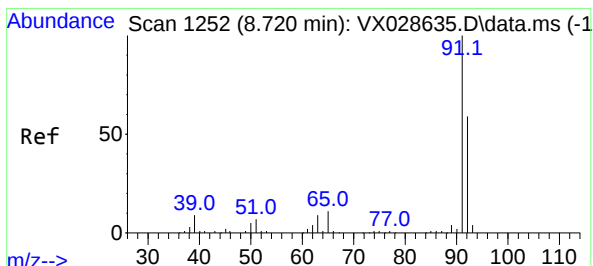
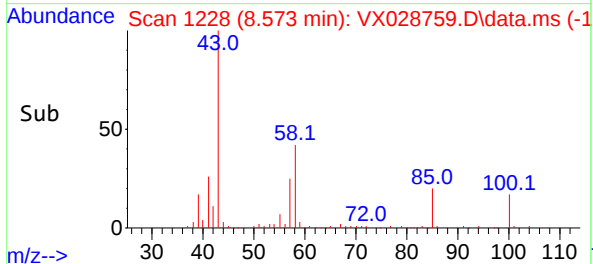
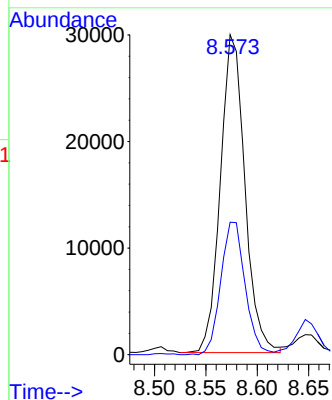
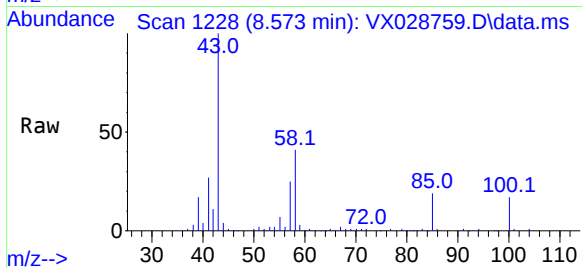
31769

Tgt Ion: 43 Resp: 49411

Ion Ratio Lower Upper

43 100

58 41.5 36.1 54.1



#52

Toluene

Concen: 110.338 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX028759.D

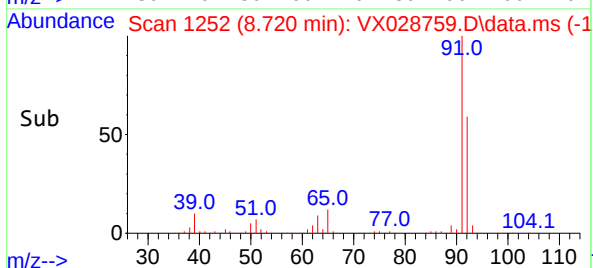
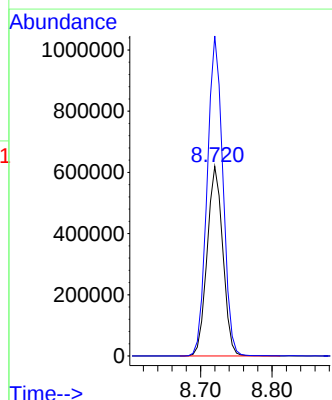
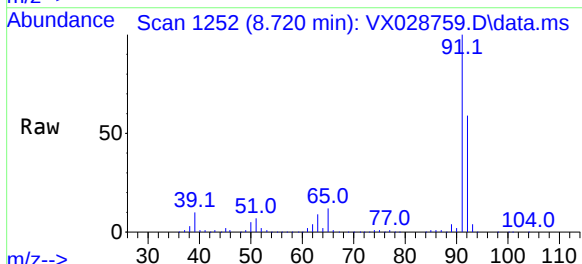
Acq: 17 May 2022 15:45

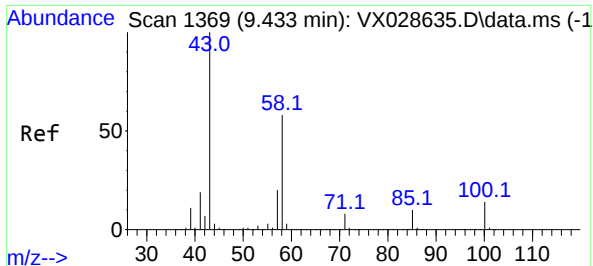
Tgt Ion: 92 Resp: 943798

Ion Ratio Lower Upper

92 100

91 168.8 137.5 206.3





#59

2-Hexanone

Concen: 1.976 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.000 min

Lab File: VX028759.D

Acq: 17 May 2022 15:45

Instrument :

MSVOA_X

ClientSampleId :

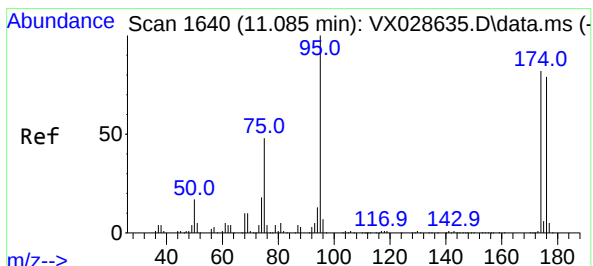
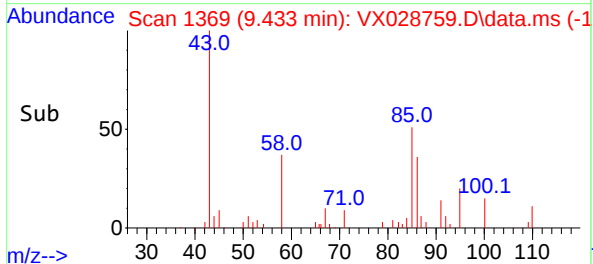
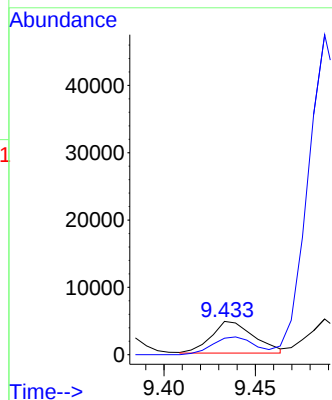
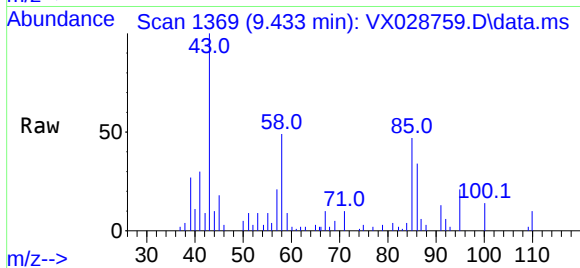
31769

Tgt Ion: 43 Resp: 7644

Ion Ratio Lower Upper

43 100

58 55.4 31.9 95.7



#62

4-Bromofluorobenzene

Concen: 56.662 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX028759.D

Acq: 17 May 2022 15:45

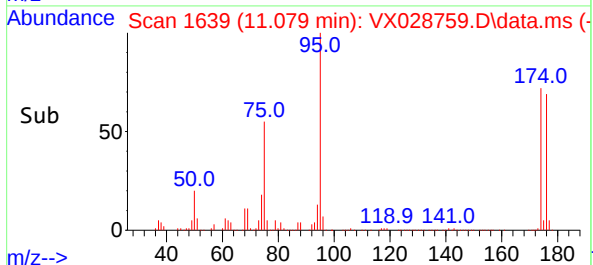
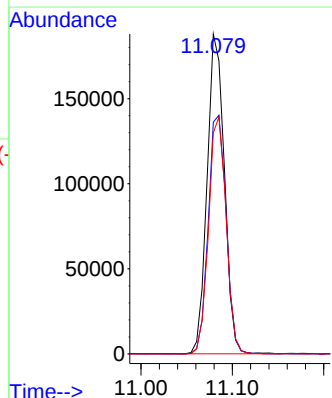
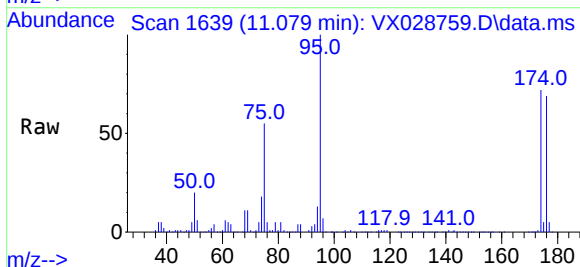
Tgt Ion: 95 Resp: 245786

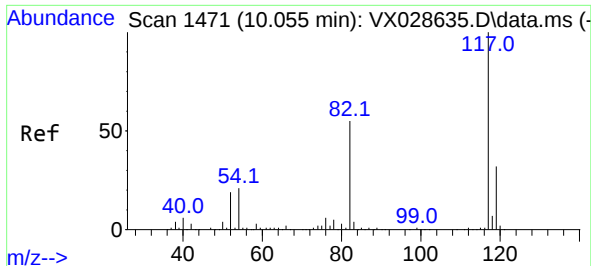
Ion Ratio Lower Upper

95 100

174 77.6 0.0 163.0

176 75.2 0.0 155.0

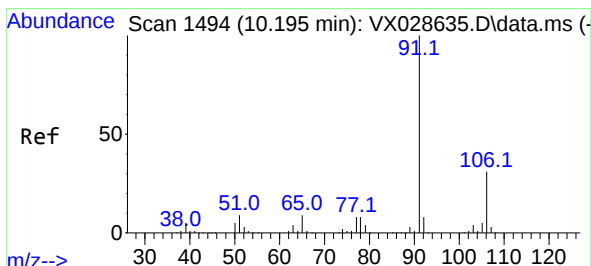
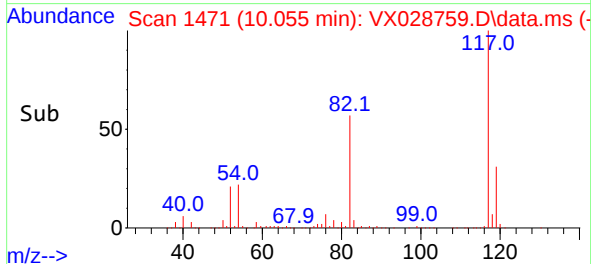
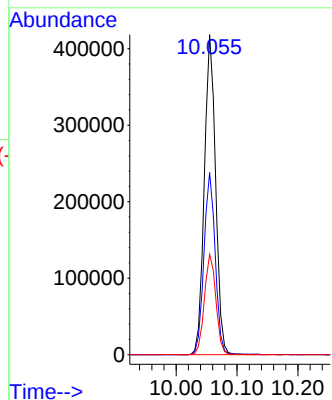
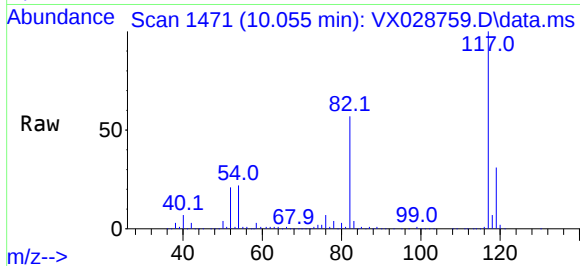




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028759.D
Acq: 17 May 2022 15:45

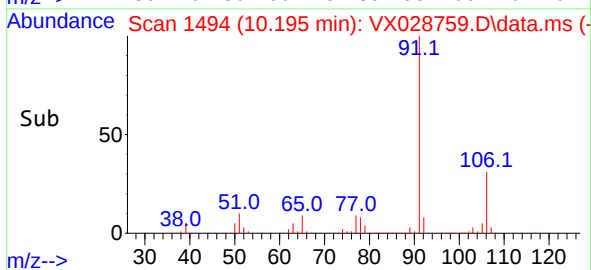
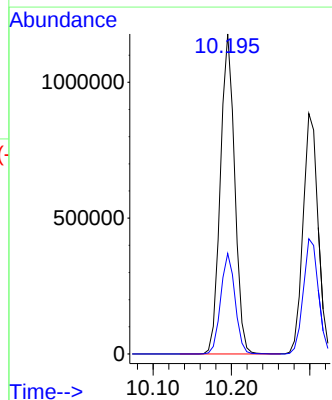
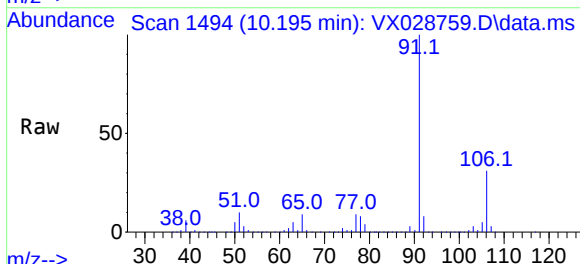
Instrument :
MSVOA_X
ClientSampleId :
31769

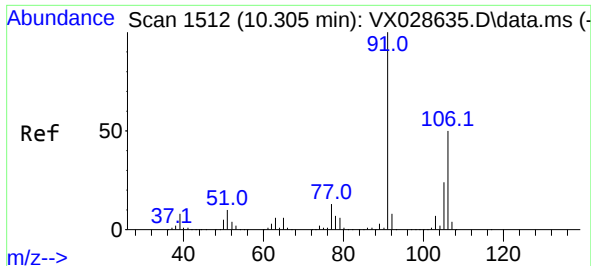
Tgt Ion:117 Resp: 538567
Ion Ratio Lower Upper
117 100
82 56.9 41.8 62.8
119 31.3 24.8 37.2



#67
Ethyl Benzene
Concen: 73.114 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX028759.D
Acq: 17 May 2022 15:45

Tgt Ion: 91 Resp: 1497280
Ion Ratio Lower Upper
91 100
106 31.4 24.6 36.8

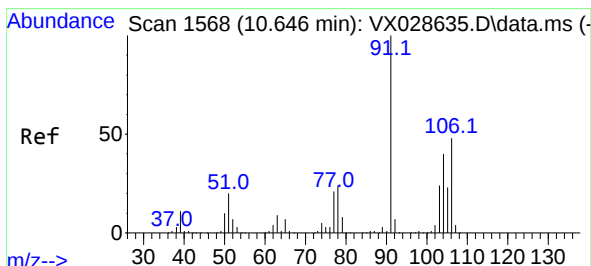
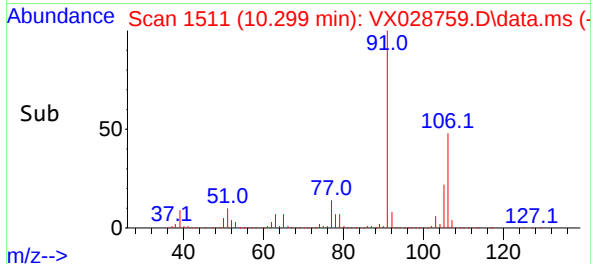
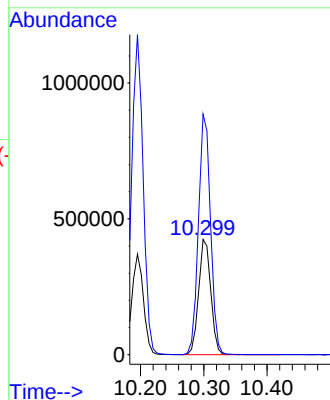
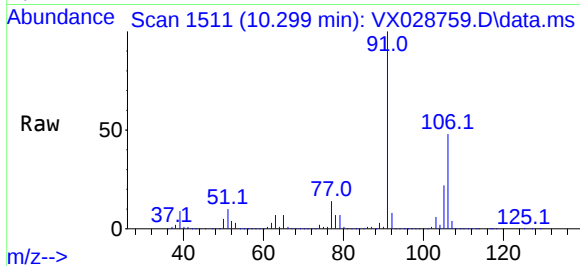




#68
m/p-Xylenes
Concen: 71.068 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX028759.D
Acq: 17 May 2022 15:45

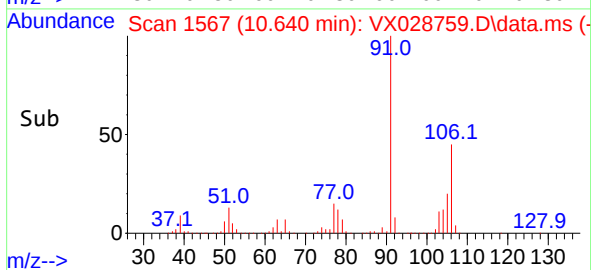
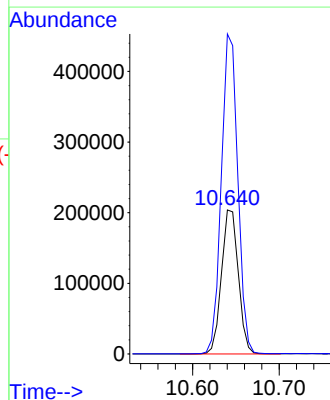
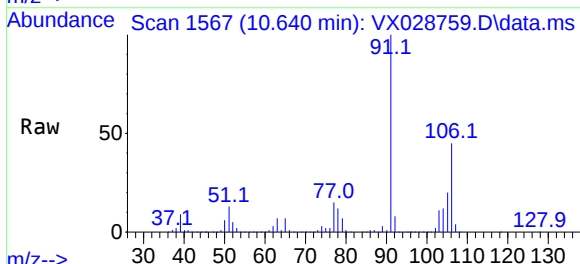
Instrument :
MSVOA_X
ClientSampleId :
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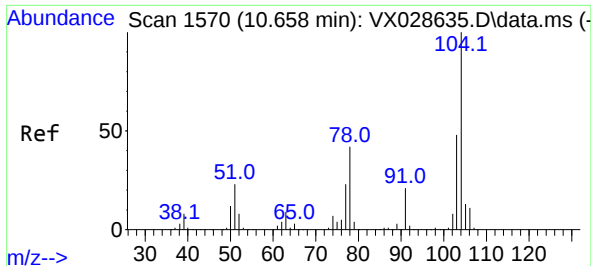
Tgt Ion:106 Resp: 566623
Ion Ratio Lower Upper
106 100
91 207.7 160.4 240.6



#69
o-Xylene
Concen: 35.120 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.006 min
Lab File: VX028759.D
Acq: 17 May 2022 15:45

Tgt Ion:106 Resp: 275684
Ion Ratio Lower Upper
106 100
91 217.1 106.1 318.1

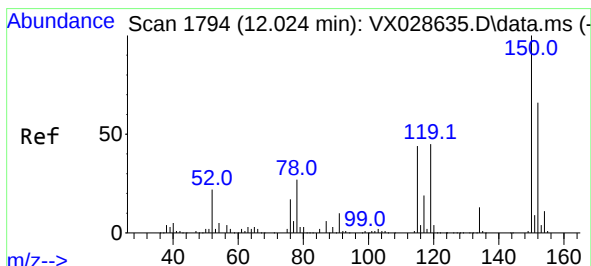
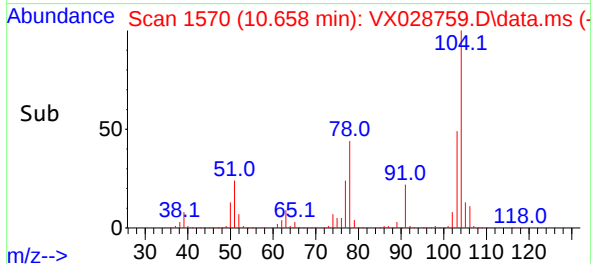
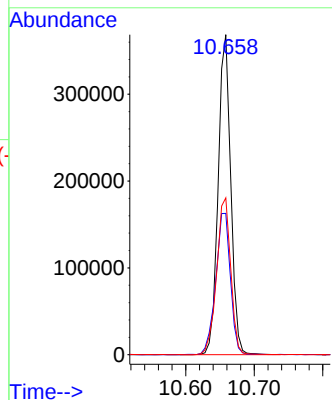
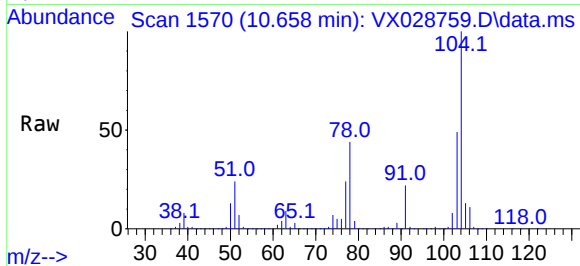




#70
Styrene
Concen: 36.871 ug/l
RT: 10.658 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028759.D
Acq: 17 May 2022 15:45

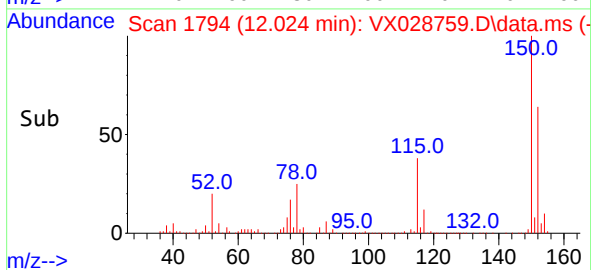
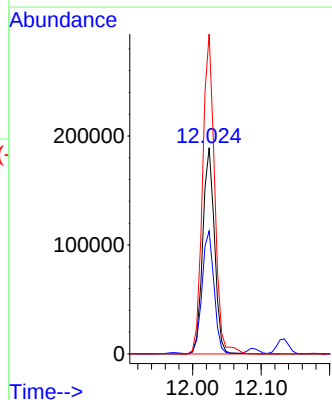
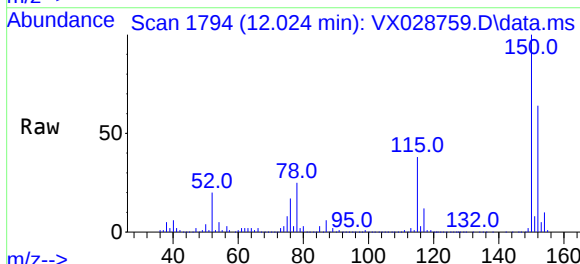
Instrument :
MSVOA_X
ClientSampleId :
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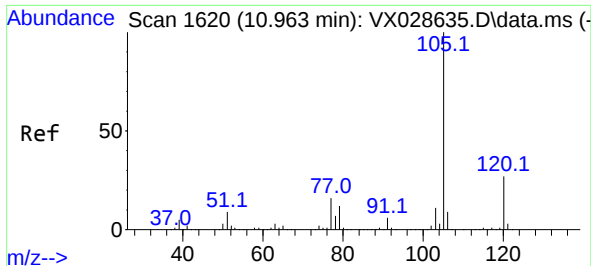
Tgt Ion:104 Resp: 470013
Ion Ratio Lower Upper
104 100
78 51.8 38.6 57.8
103 54.9 43.8 65.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028759.D
Acq: 17 May 2022 15:45

Tgt Ion:152 Resp: 226286
Ion Ratio Lower Upper
152 100
115 60.4 37.5 112.7
150 159.3 0.0 338.2

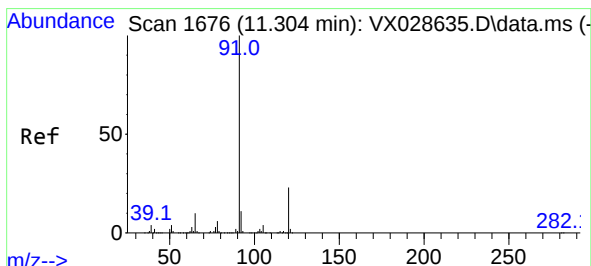
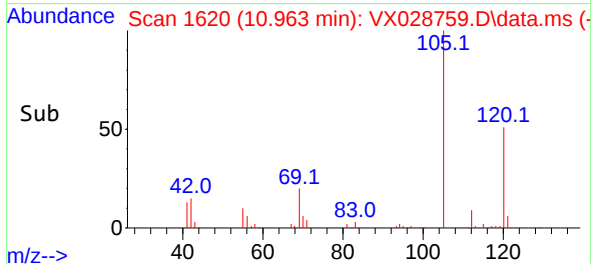
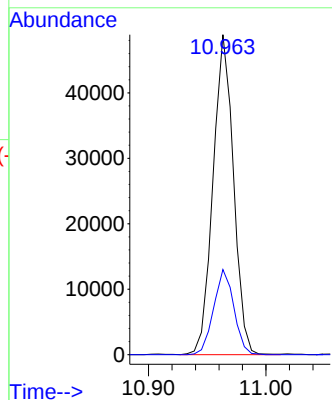
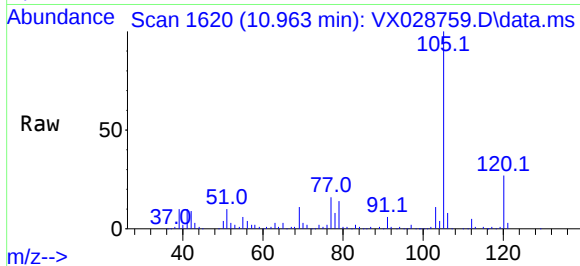




#73
Isopropylbenzene
Concen: 3.450 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX028759.D
Acq: 17 May 2022 15:45

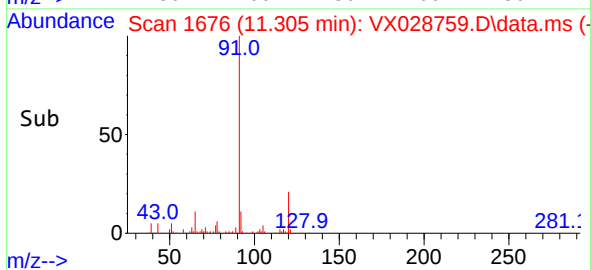
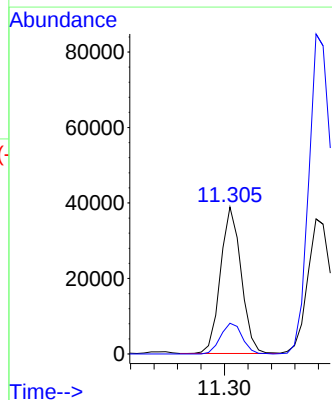
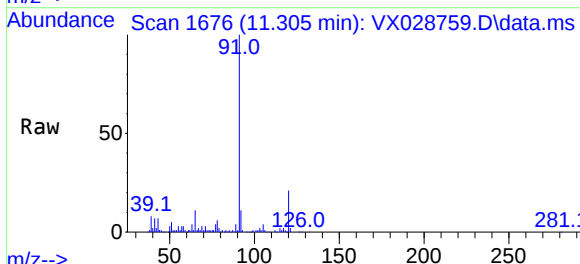
Instrument :
MSVOA_X
ClientSampleId :
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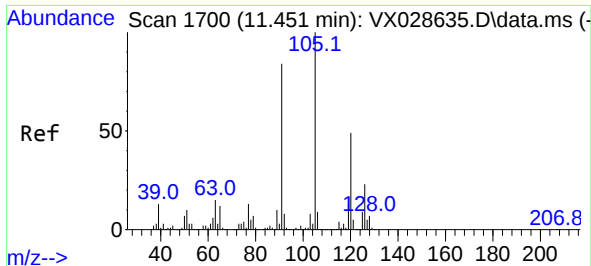
Tgt Ion:105 Resp: 59210
Ion Ratio Lower Upper
105 100
120 26.3 13.5 40.5



#78
n-propylbenzene
Concen: 2.400 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.001 min
Lab File: VX028759.D
Acq: 17 May 2022 15:45

Tgt Ion: 91 Resp: 47632
Ion Ratio Lower Upper
91 100
120 21.9 11.6 34.8

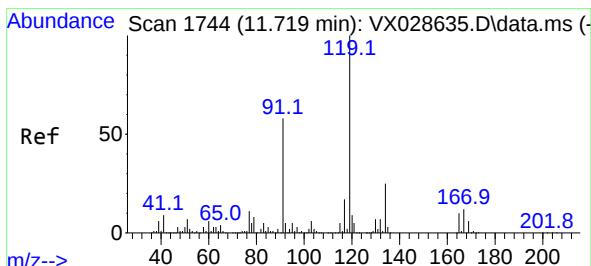
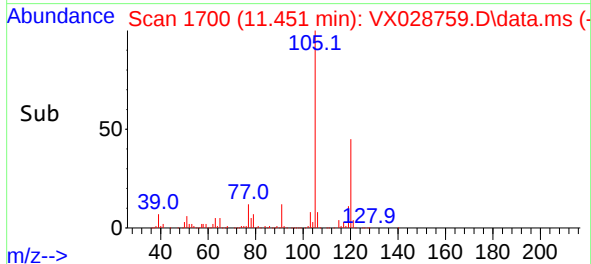
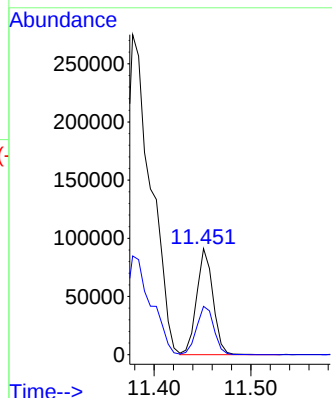
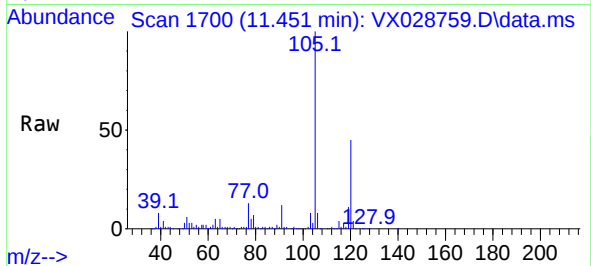




#80
1,3,5-Trimethylbenzene
Concen: 7.448 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX028759.D
Acq: 17 May 2022 15:45

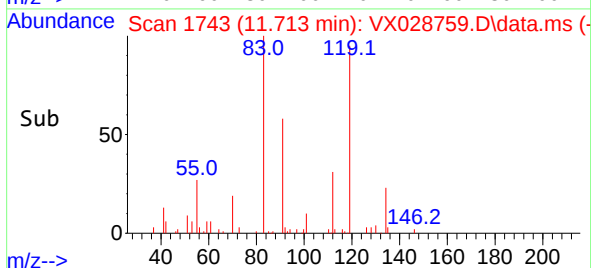
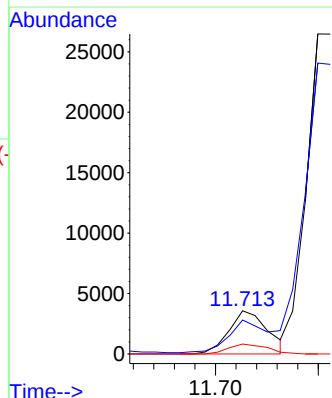
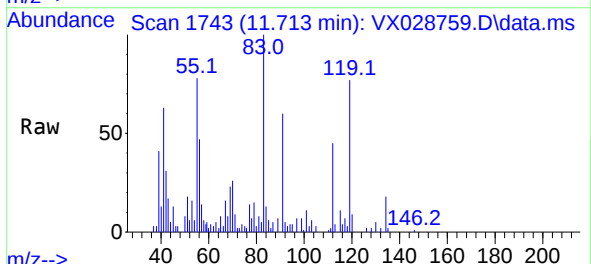
Instrument :
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ClientSampleId :
31769

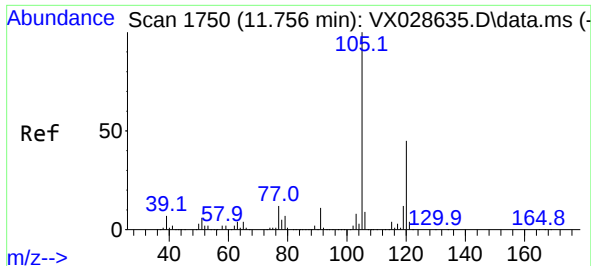
Tgt Ion:105 Resp: 106495
Ion Ratio Lower Upper
105 100
120 48.6 24.3 72.9



#83
tert-Butylbenzene
Concen: 0.337 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.006 min
Lab File: VX028759.D
Acq: 17 May 2022 15:45

Tgt Ion:119 Resp: 4666
Ion Ratio Lower Upper
119 100
91 69.3 26.9 80.6
134 22.8 11.4 34.2

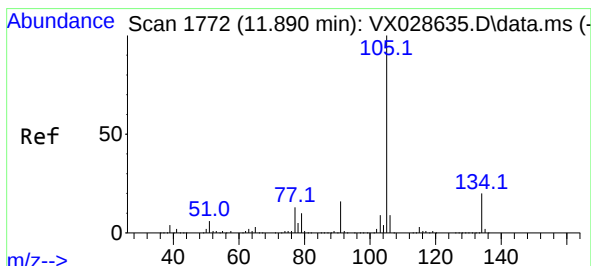
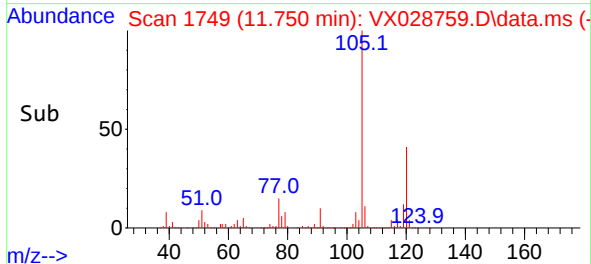
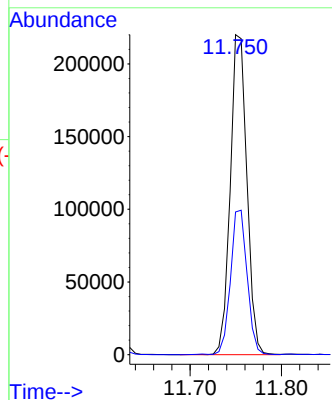
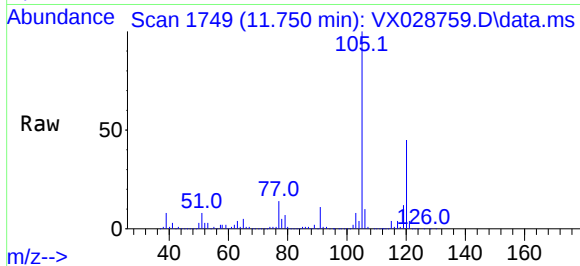




#84
1,2,4-Trimethylbenzene
Concen: 19.421 ug/l
RT: 11.750 min Scan# 11750
Delta R.T. -0.006 min
Lab File: VX028759.D
Acq: 17 May 2022 15:45

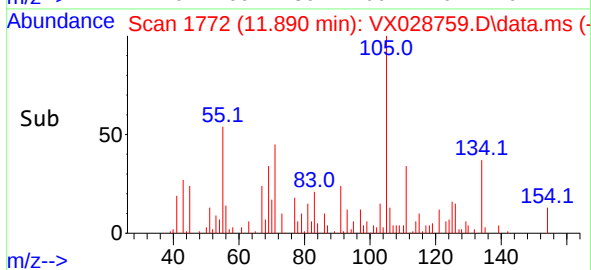
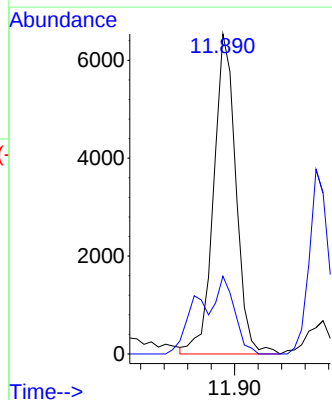
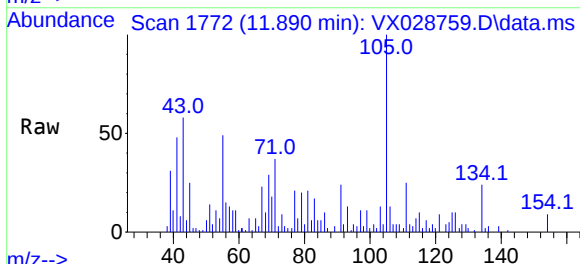
Instrument :
MSVOA_X
ClientSampleId :
31769

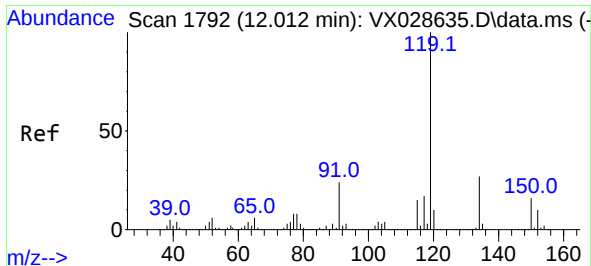
Tgt Ion:105 Resp: 278476
Ion Ratio Lower Upper
105 100
120 45.1 22.6 67.8



#85
sec-Butylbenzene
Concen: 0.504 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX028759.D
Acq: 17 May 2022 15:45

Tgt Ion:105 Resp: 8607
Ion Ratio Lower Upper
105 100
134 20.8 10.2 30.4

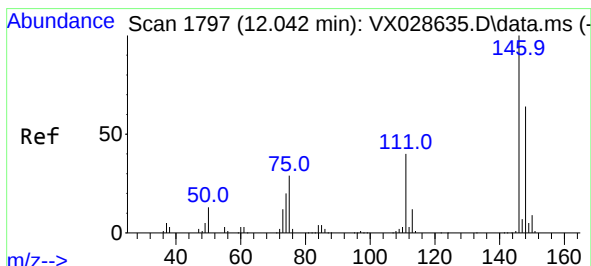
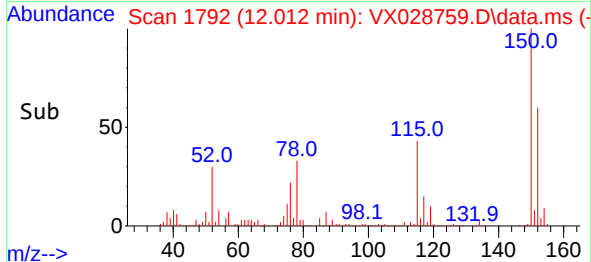
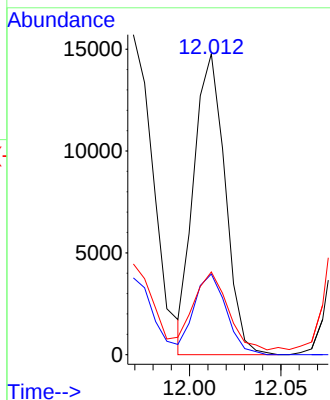
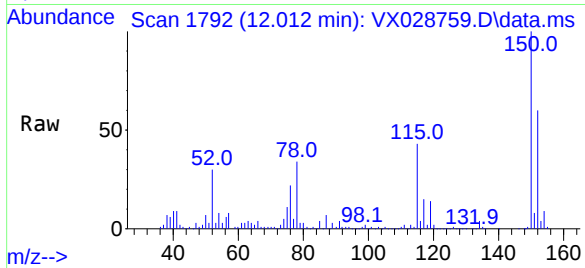




#86
p-Isopropyltoluene
Concen: 1.227 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VX028759.D
Acq: 17 May 2022 15:45

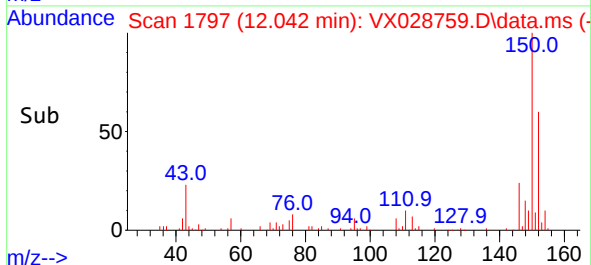
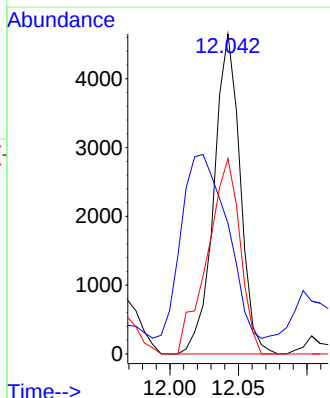
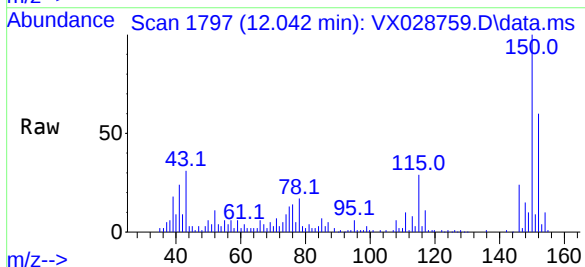
Instrument :
MSVOA_X
ClientSampleId :
31769

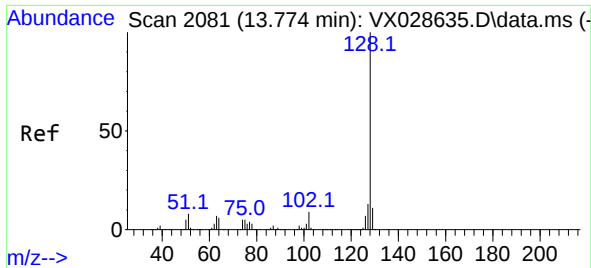
Tgt Ion:119 Resp: 17580
Ion Ratio Lower Upper
119 100
134 27.6 13.0 39.0
91 29.1 11.3 33.9



#88
1,4-Dichlorobenzene
Concen: 0.747 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX028759.D
Acq: 17 May 2022 15:45

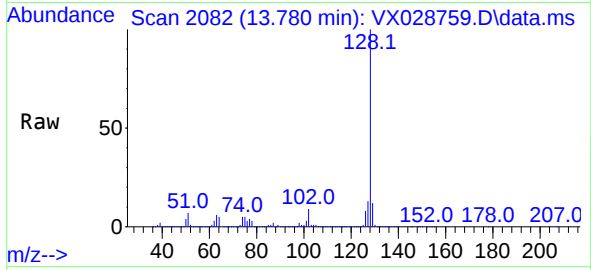
Tgt Ion:146 Resp: 6167
Ion Ratio Lower Upper
146 100
111 112.0 19.2 57.6#
148 76.0 32.3 96.9





#95
Naphthalene
Concen: 156.033 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX028759.D
Acq: 17 May 2022 15:45

Instrument :
MSVOA_X
ClientSampleId :
31769



Tgt Ion:128 Resp: 2508999
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.4
129 11.4 8.7 13.1

