

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101022\
 Data File : VD074507.D
 Acq On : 10 Oct 2022 17:24
 Operator : VA/SY
 Sample : N5066-06
 Misc : 6.53G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 11 08:21:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 01:54:40 2022
 Response via : Initial Calibration

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

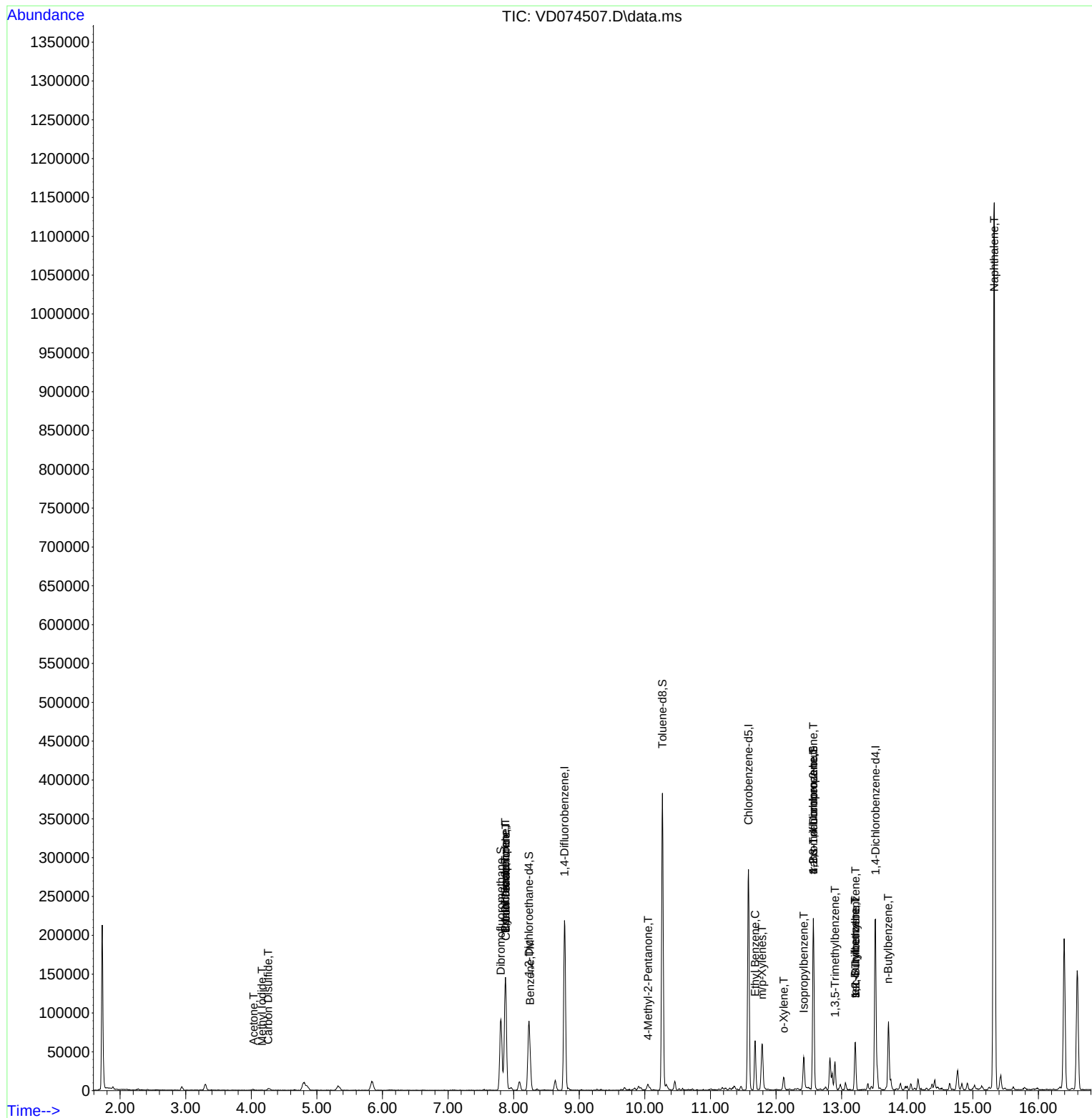
Internal Standards						
1) Pentafluorobenzene	7.875	168	115818	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	209550	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	175424	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	62530	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	57543	55.921	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.840%
35) Dibromofluoromethane	7.804	113	69870	50.565	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.120%
50) Toluene-d8	10.269	98	272174	53.783	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.560%
62) 4-Bromofluorobenzene	12.569	95	69345	43.679	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	87.360%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.163	142	55	5.842	ug/l #	43
16) Acetone	4.034	43	1745	17.835	ug/l #	86
17) Carbon Disulfide	4.258	76	5136	1.192	ug/l	96
31) Cyclohexane	7.875	56	3415	1.652	ug/l #	41
36) 1,1-Dichloropropene	7.875	75	8293	4.276	ug/l #	48
38) Carbon Tetrachloride	7.881	117	10823	6.297	ug/l #	19
40) Benzene	8.251	78	28369	5.036	ug/l	97
51) 4-Methyl-2-Pentanone	10.051	43	3814	6.317	ug/l #	29
67) Ethyl Benzene	11.681	91	45854	7.257	ug/l	97
68) m/p-Xylenes	11.787	106	18445	7.428	ug/l	99
69) o-Xylene	12.116	106	5398	2.366	ug/l	88
73) Isopropylbenzene	12.422	105	8963	1.949	ug/l	92
76) 1,2,3-Trichloropropane	12.569	75	34925	72.760	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.898	105	17481	4.601	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.569	75	34925	162.336	ug/l #	17
83) tert-Butylbenzene	13.204	119	4618	1.413	ug/l #	68
84) 1,2,4-Trimethylbenzene	13.210	105	35874	9.610	ug/l	97
85) sec-Butylbenzene	13.210	105	35874	7.124	ug/l #	56
89) n-Butylbenzene	13.710	91	8818	2.266	ug/l #	43
95) Naphthalene	15.328	128	1041129	467.259	ug/l	99

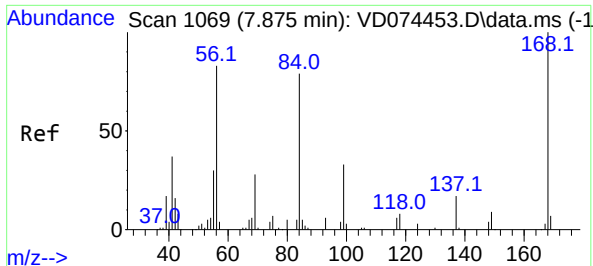
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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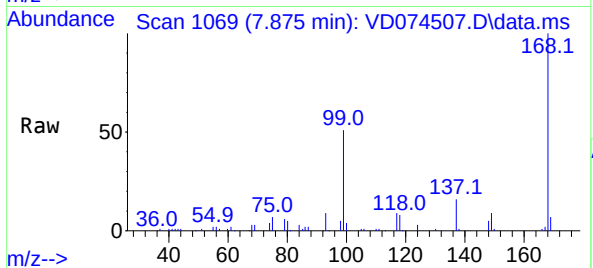
Quant Time: Oct 11 08:21:46 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100522S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 06 01:54:40 2022
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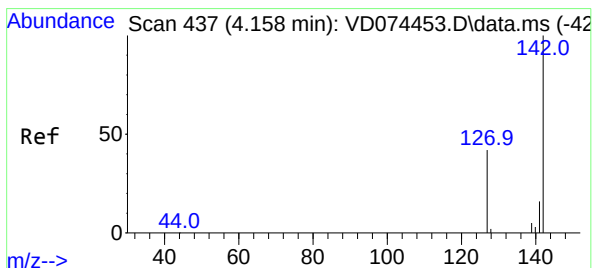
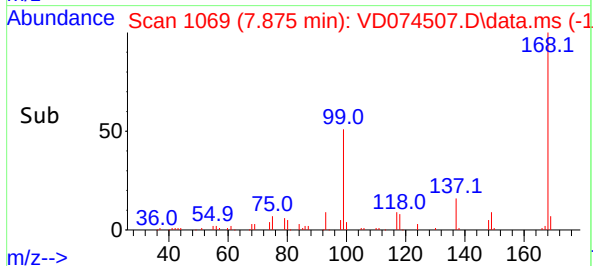
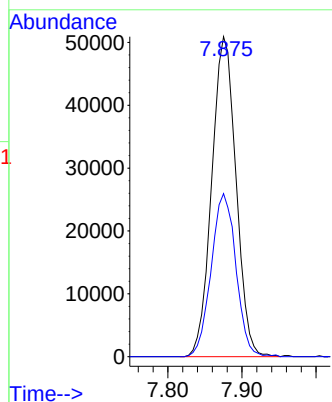


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074507.D
Acq: 10 Oct 2022 17:24

Instrument :
MSVOA_D
ClientSampleId :

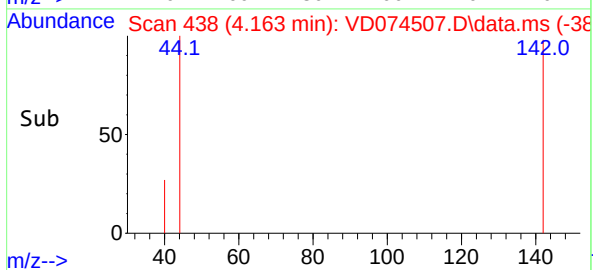
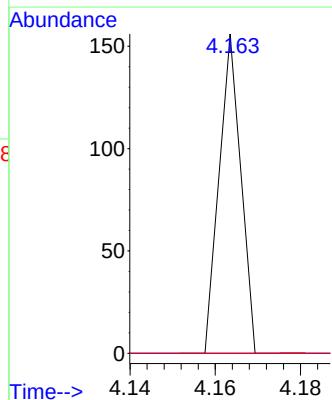
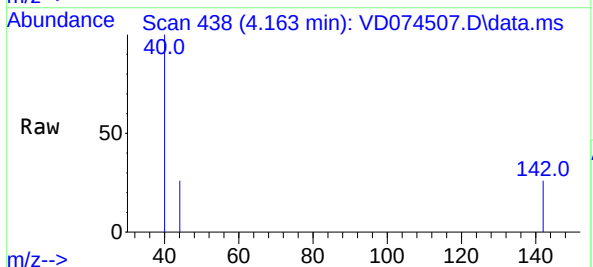


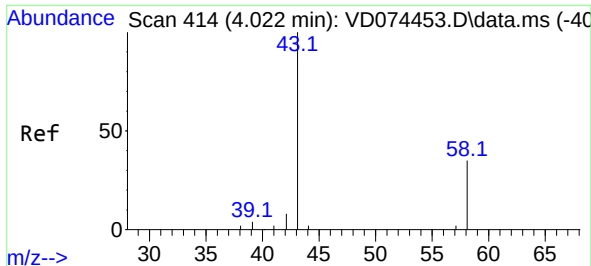
Tgt Ion:168 Resp: 115818
Ion Ratio Lower Upper
168 100
99 51.0 40.9 61.3



#10
Methyl Iodide
Concen: 5.842 ug/l
RT: 4.163 min Scan# 438
Delta R.T. 0.005 min
Lab File: VD074507.D
Acq: 10 Oct 2022 17:24

Tgt Ion:142 Resp: 55
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#





#16

Acetone

Concen: 17.835 ug/l

RT: 4.034 min Scan# 41

Delta R.T. 0.012 min

Lab File: VD074507.D

Acq: 10 Oct 2022 17:24

Instrument :

MSVOA_D

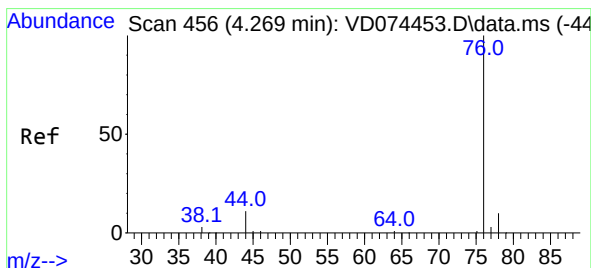
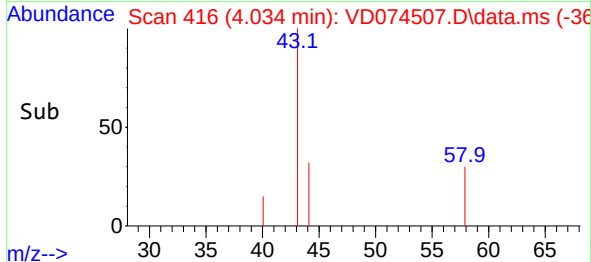
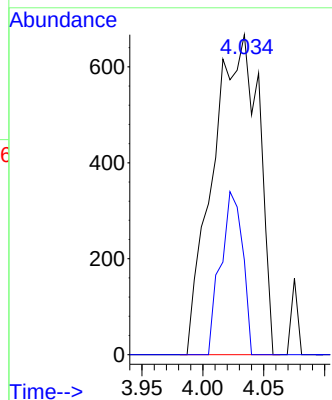
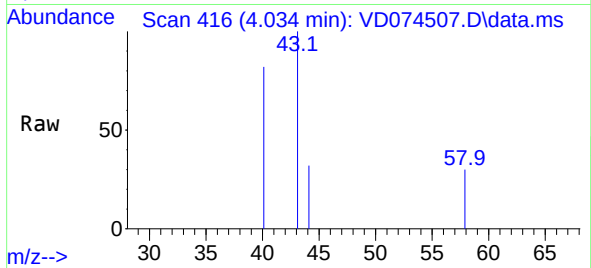
ClientSampleId :

Tgt Ion: 43 Resp: 1745

Ion Ratio Lower Upper

43 100

58 29.5 30.2 45.2#



#17

Carbon Disulfide

Concen: 1.192 ug/l

RT: 4.258 min Scan# 454

Delta R.T. -0.012 min

Lab File: VD074507.D

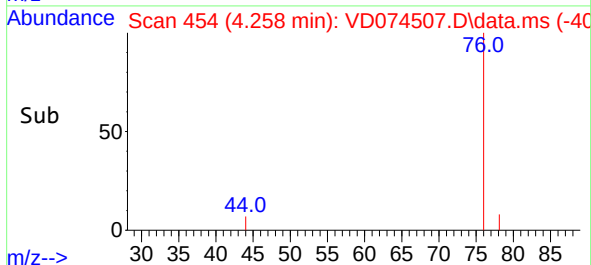
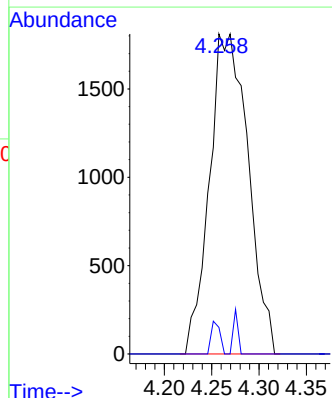
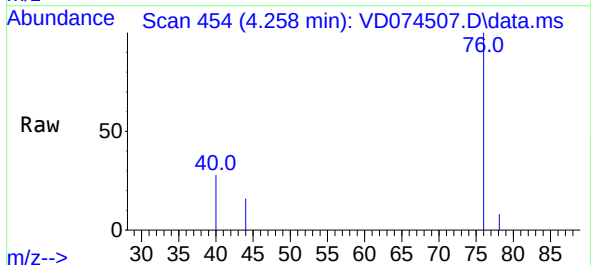
Acq: 10 Oct 2022 17:24

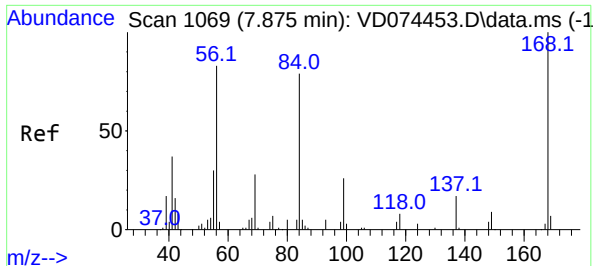
Tgt Ion: 76 Resp: 5136

Ion Ratio Lower Upper

76 100

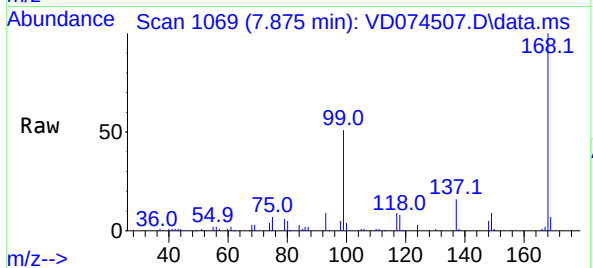
78 8.3 7.8 11.8



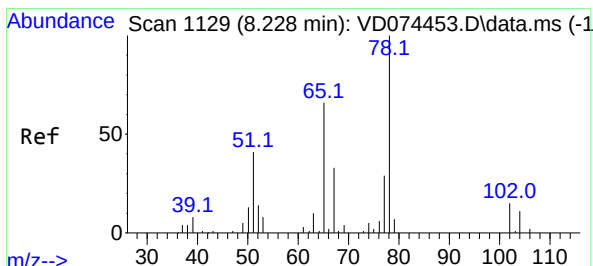
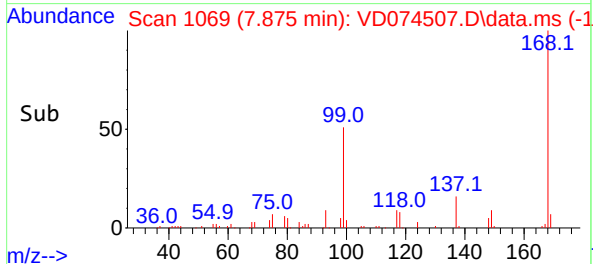
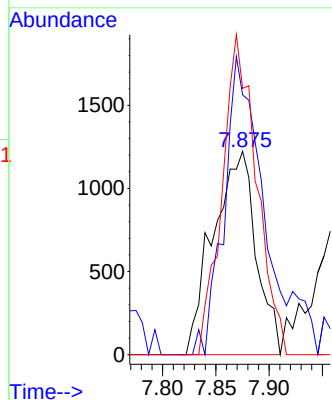


#31
Cyclohexane
Concen: 1.652 ug/l
RT: 7.875 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD074507.D
Acq: 10 Oct 2022 17:24

Instrument :
MSVOA_D
ClientSampleId :

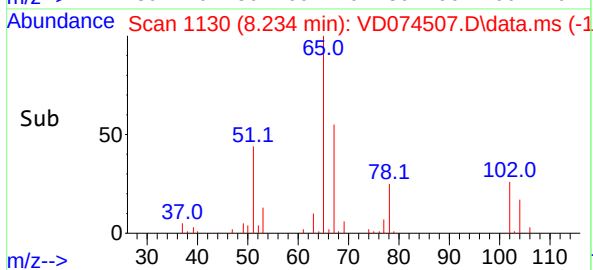
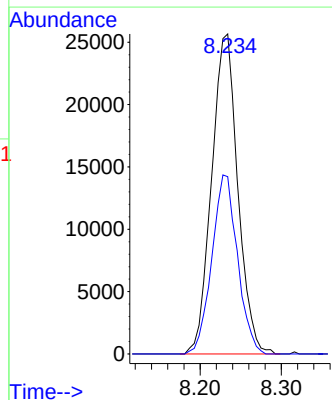
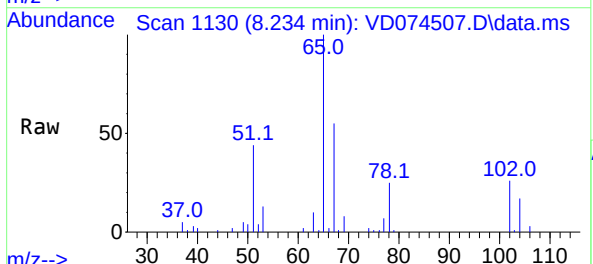


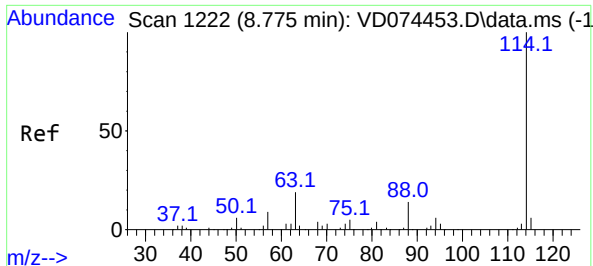
Tgt Ion: 56 Resp: 3415
Ion Ratio Lower Upper
56 100
69 127.8 29.2 43.8#
84 131.0 83.4 125.2#



#33
1,2-Dichloroethane-d4
Concen: 55.921 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD074507.D
Acq: 10 Oct 2022 17:24

Tgt Ion: 65 Resp: 57543
Ion Ratio Lower Upper
65 100
67 54.7 0.0 110.2

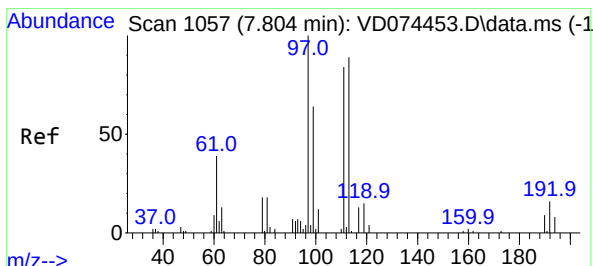
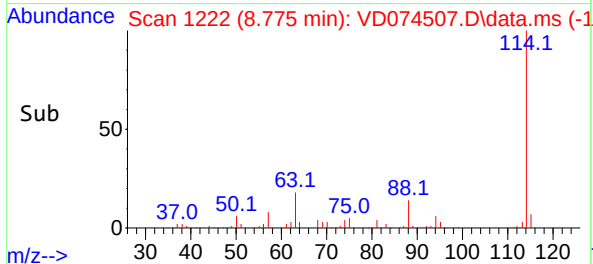
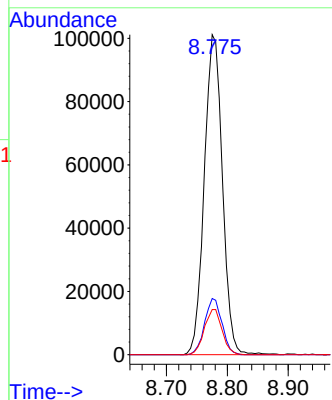
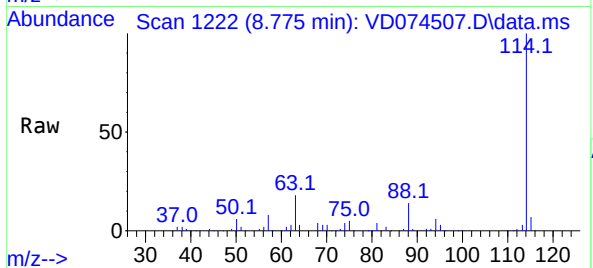




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD074507.D
Acq: 10 Oct 2022 17:24

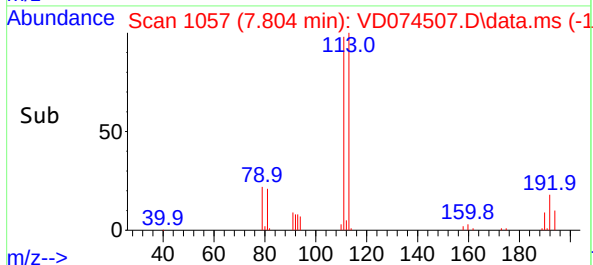
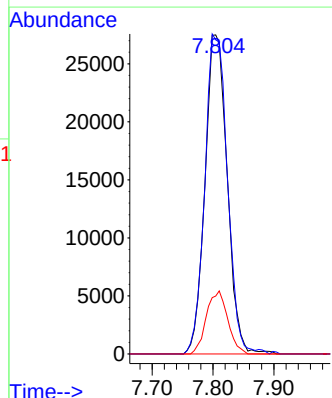
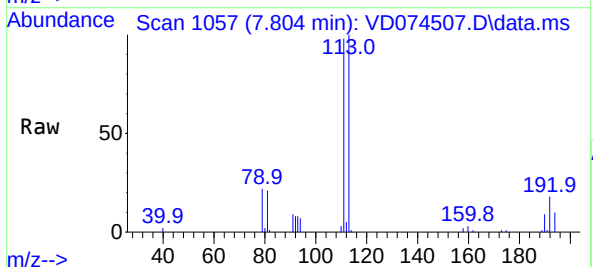
Instrument :
MSVOA_D
ClientSampleId :

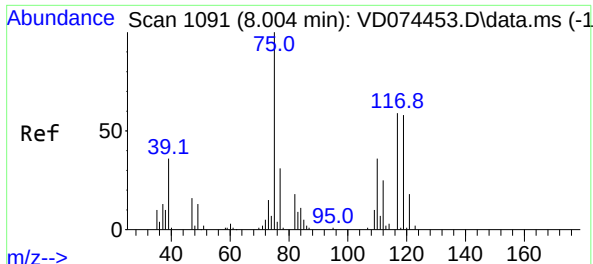
Tgt Ion:114 Resp: 209550
Ion Ratio Lower Upper
114 100
63 17.5 0.0 33.2
88 14.1 0.0 28.2



#35
Dibromofluoromethane
Concen: 50.565 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD074507.D
Acq: 10 Oct 2022 17:24

Tgt Ion:113 Resp: 69870
Ion Ratio Lower Upper
113 100
111 101.8 82.3 123.5
192 18.9 16.4 24.6





#36

1,1-Dichloropropene

Concen: 4.276 ug/l

RT: 7.875 min Scan# 10

Delta R.T. -0.129 min

Lab File: VD074507.D

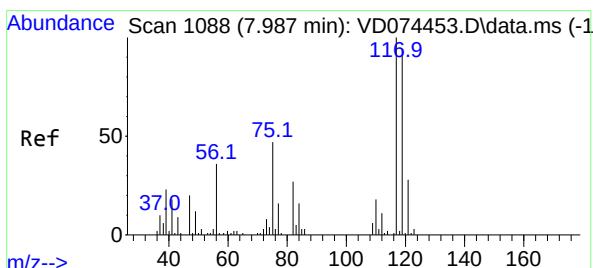
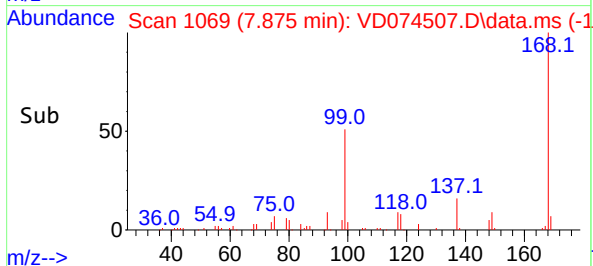
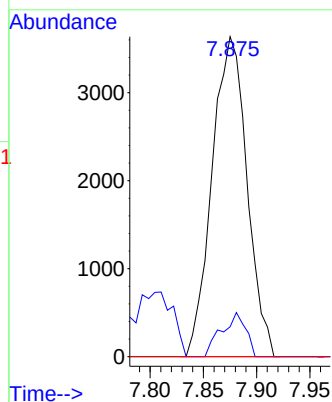
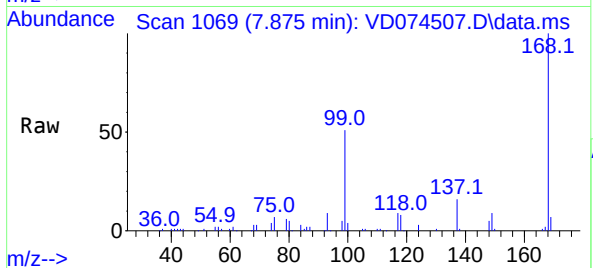
Acq: 10 Oct 2022 17:24

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	75	Resp:	8293
Ion	Ratio	Lower	Upper
75	100		
110	9.5	19.7	59.0#
77	0.0	25.4	38.2#



#38

Carbon Tetrachloride

Concen: 6.297 ug/l

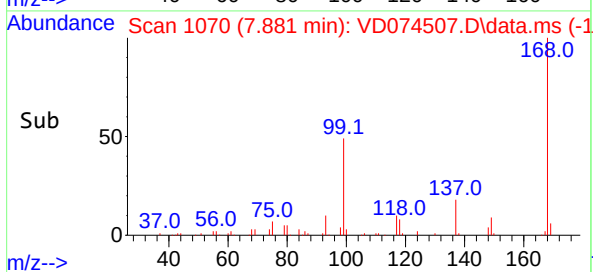
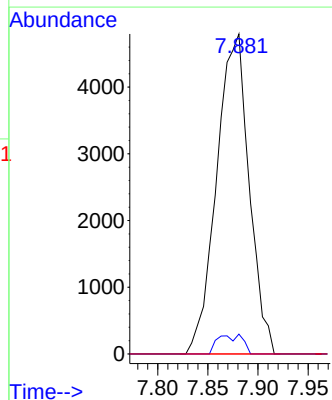
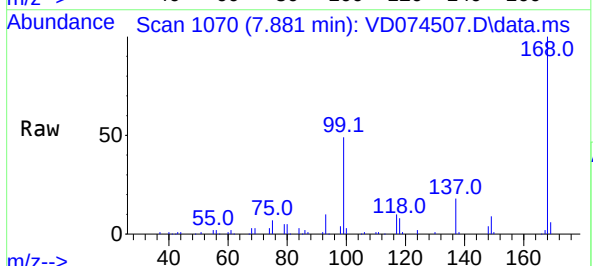
RT: 7.881 min Scan# 1070

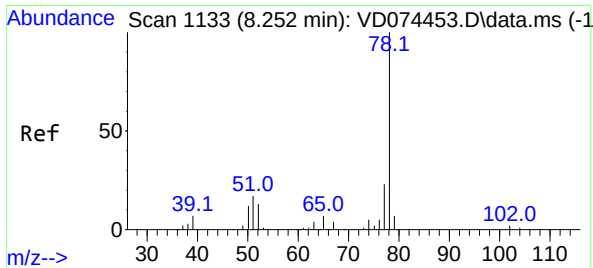
Delta R.T. -0.106 min

Lab File: VD074507.D

Acq: 10 Oct 2022 17:24

Tgt Ion:	117	Resp:	10823
Ion	Ratio	Lower	Upper
117	100		
119	6.2	73.1	109.7#
121	0.0	25.0	37.6#

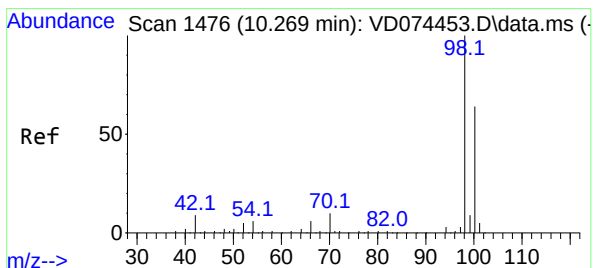
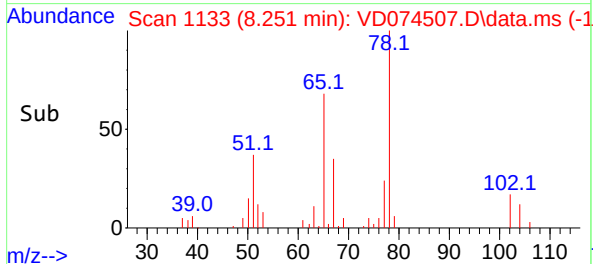
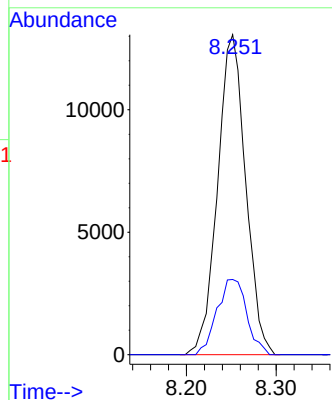
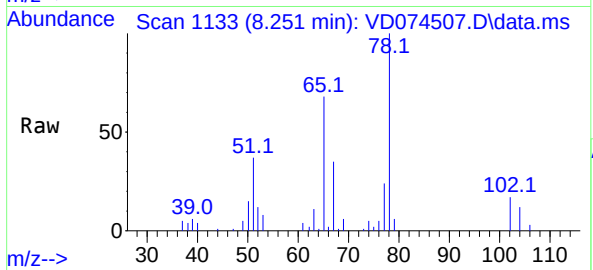




#40
Benzene
Concen: 5.036 ug/l
RT: 8.251 min Scan# 1133
Delta R.T. -0.000 min
Lab File: VD074507.D
Acq: 10 Oct 2022 17:24

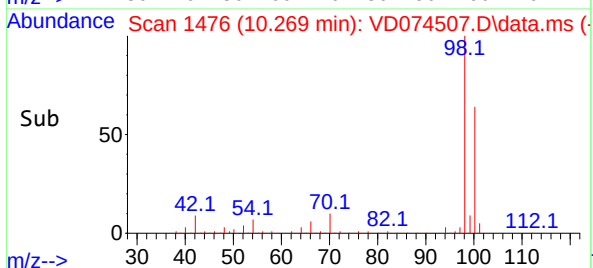
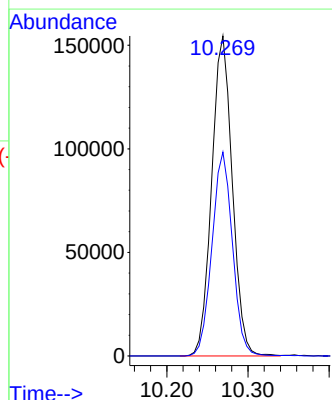
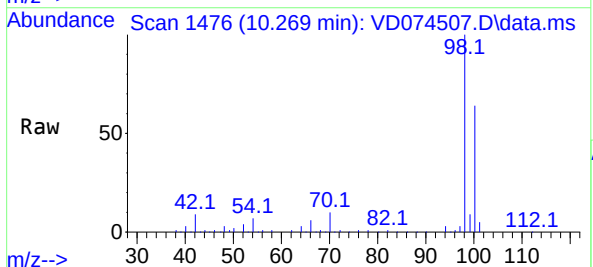
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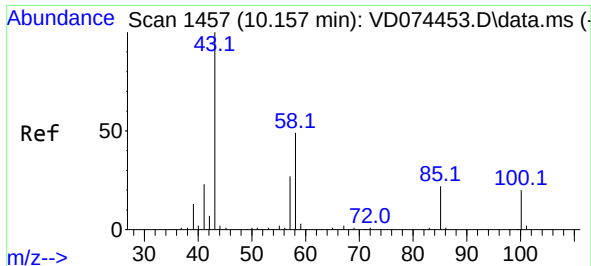
Tgt Ion: 78 Resp: 28369
Ion Ratio Lower Upper
78 100
77 23.5 20.1 30.1



#50
Toluene-d8
Concen: 53.783 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074507.D
Acq: 10 Oct 2022 17:24

Tgt Ion: 98 Resp: 272174
Ion Ratio Lower Upper
98 100
100 63.5 51.4 77.0

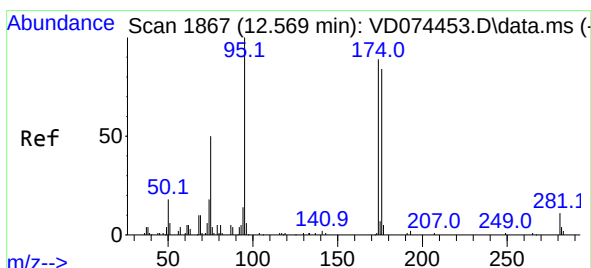
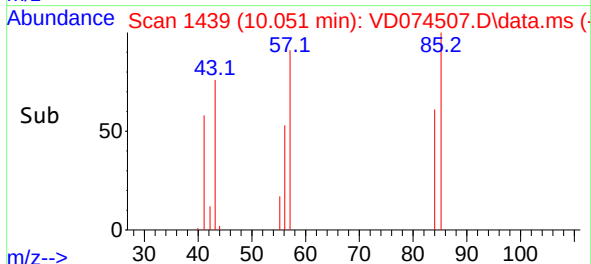
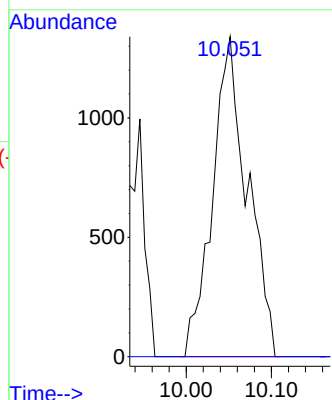
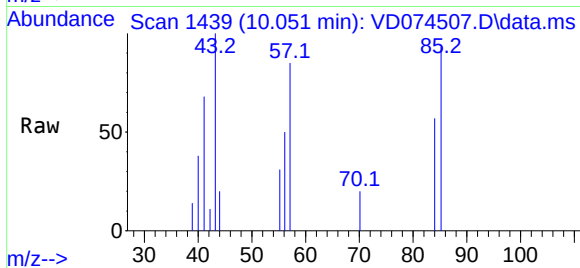




#51
4-Methyl-2-Pentanone
Concen: 6.317 ug/l
RT: 10.051 min Scan# 1457
Delta R.T. -0.106 min
Lab File: VD074507.D
Acq: 10 Oct 2022 17:24

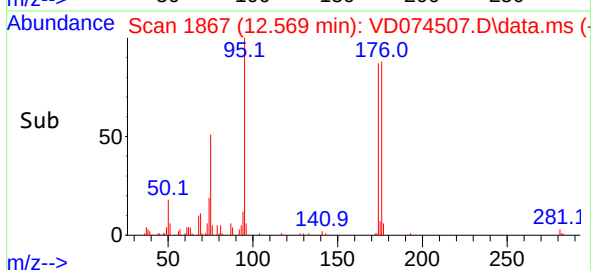
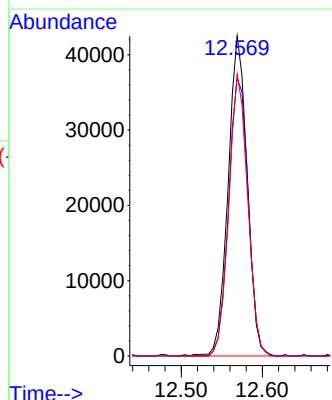
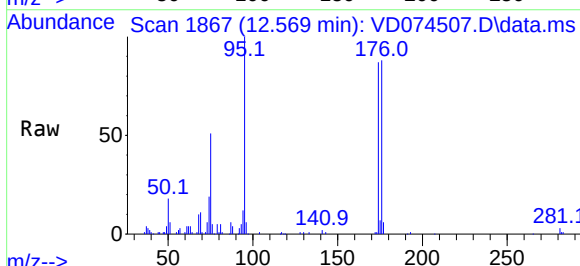
Instrument :
MSVOA_D
ClientSampleId :

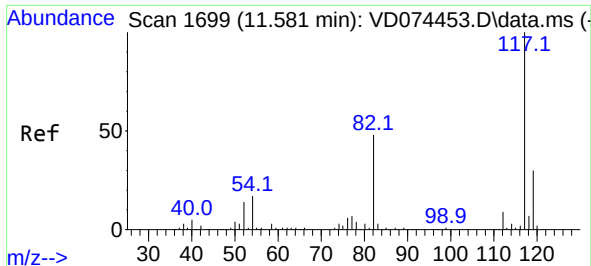
Tgt Ion: 43 Resp: 3814
Ion Ratio Lower Upper
43 100
58 0.0 37.8 56.6#



#62
4-Bromofluorobenzene
Concen: 43.679 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD074507.D
Acq: 10 Oct 2022 17:24

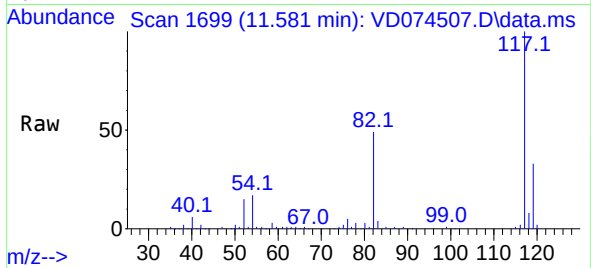
Tgt Ion: 95 Resp: 69345
Ion Ratio Lower Upper
95 100
174 89.3 0.0 197.0
176 86.7 0.0 182.6



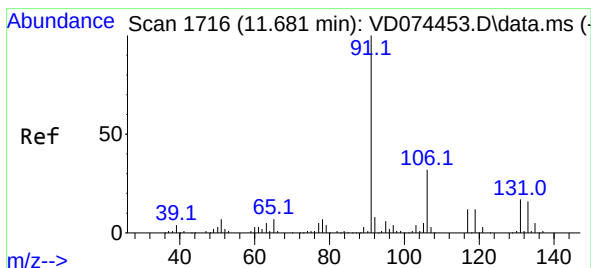
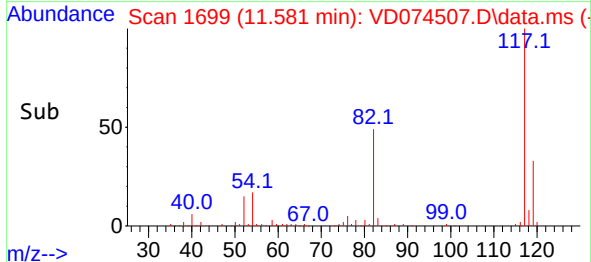
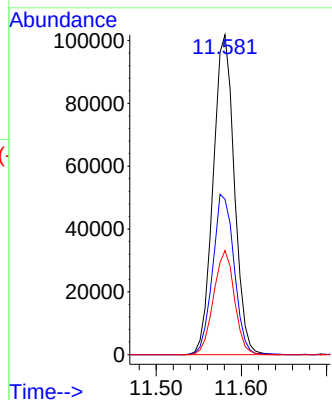


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1171
Delta R.T. -0.000 min
Lab File: VD074507.D
Acq: 10 Oct 2022 17:24

Instrument :
MSVOA_D
ClientSampleId :

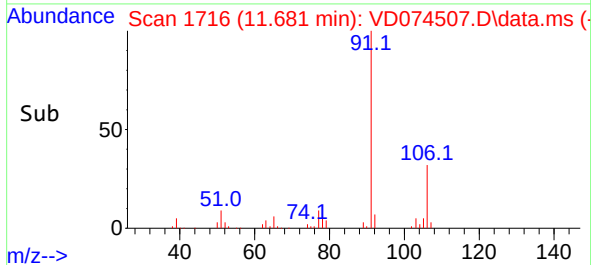
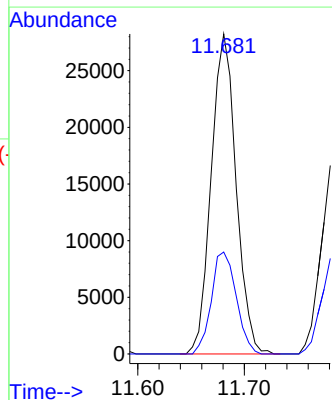
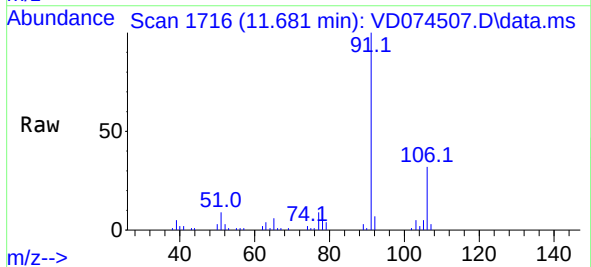


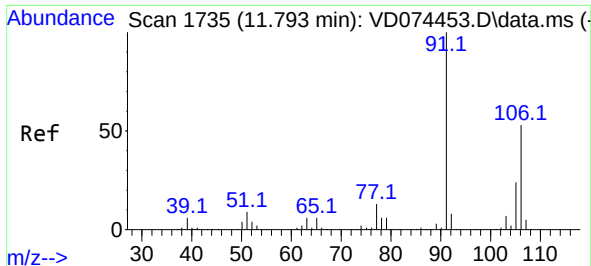
Tgt Ion:117 Resp: 175424
Ion Ratio Lower Upper
117 100
82 48.6 41.6 62.4
119 32.6 25.2 37.8



#67
Ethyl Benzene
Concen: 7.257 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VD074507.D
Acq: 10 Oct 2022 17:24

Tgt Ion: 91 Resp: 45854
Ion Ratio Lower Upper
91 100
106 31.9 26.6 40.0

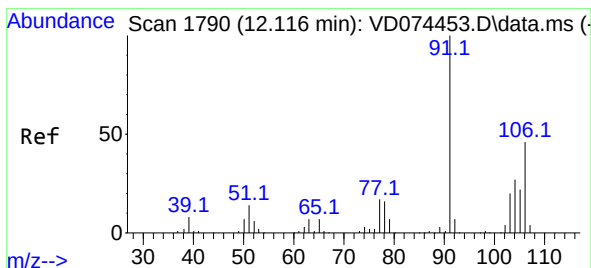
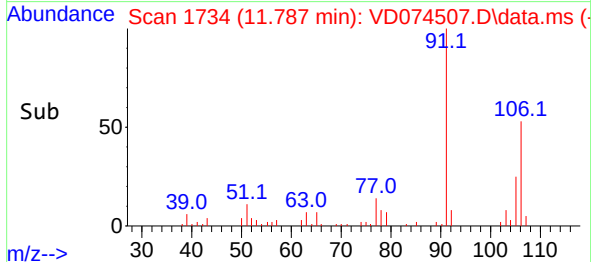
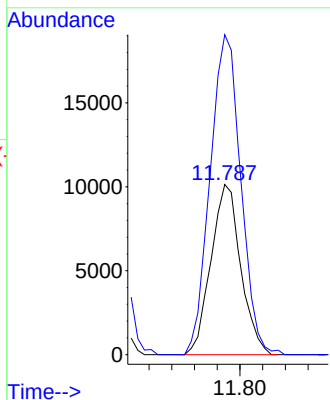
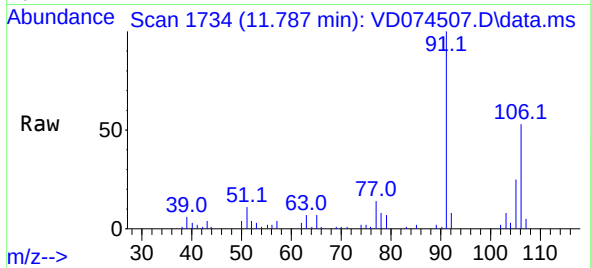




#68
m/p-Xylenes
Concen: 7.428 ug/l
RT: 11.787 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD074507.D
Acq: 10 Oct 2022 17:24

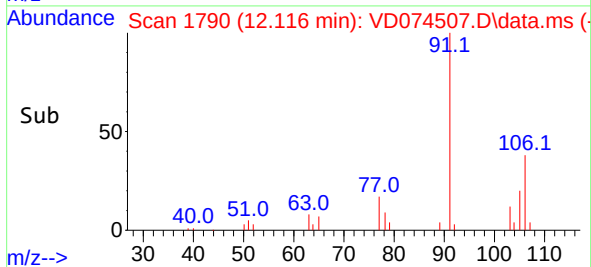
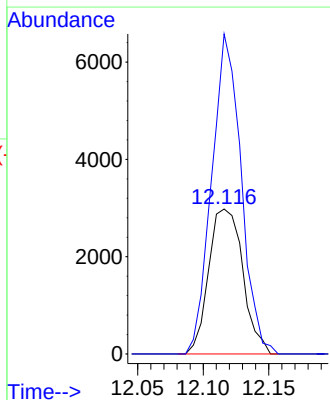
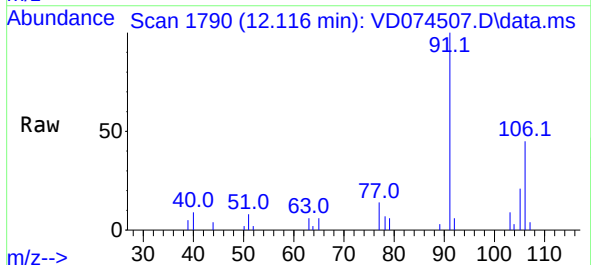
Instrument :
MSVOA_D
ClientSampleId :

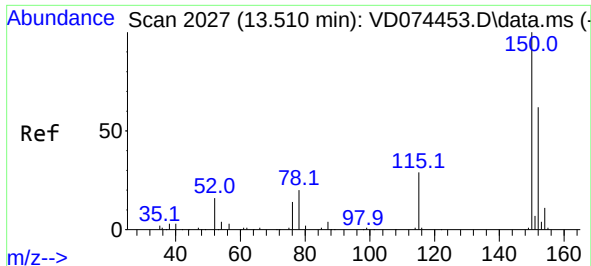
Tgt Ion:106 Resp: 18445
Ion Ratio Lower Upper
106 100
91 194.0 156.2 234.4



#69
o-Xylene
Concen: 2.366 ug/l
RT: 12.116 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VD074507.D
Acq: 10 Oct 2022 17:24

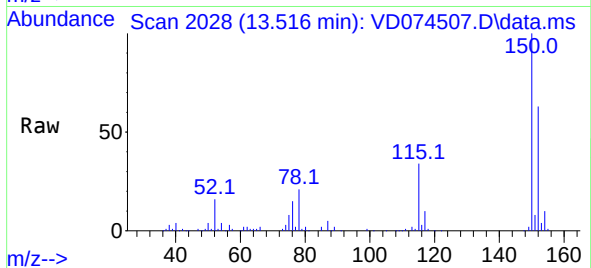
Tgt Ion:106 Resp: 5398
Ion Ratio Lower Upper
106 100
91 190.3 104.5 313.3



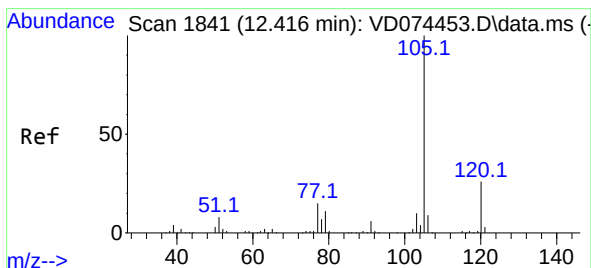
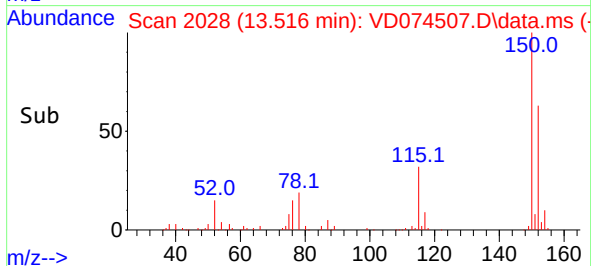
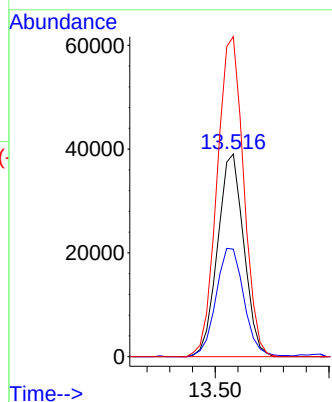


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2027
Delta R.T. 0.006 min
Lab File: VD074507.D
Acq: 10 Oct 2022 17:24

Instrument :
MSVOA_D
ClientSampleId :

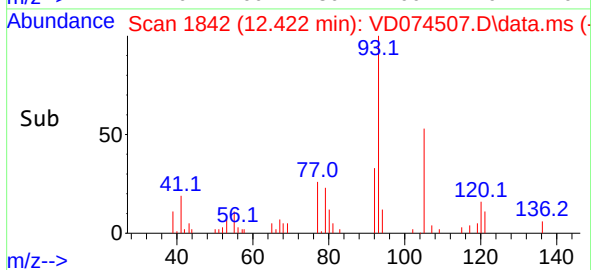
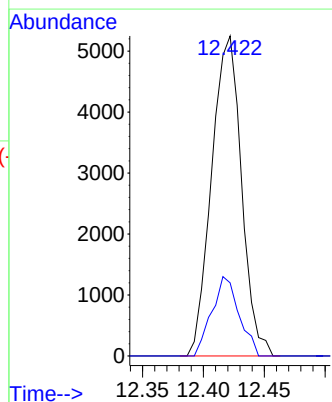
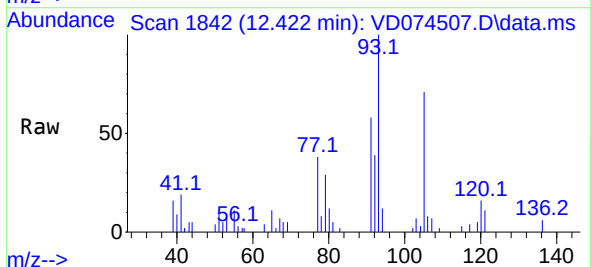


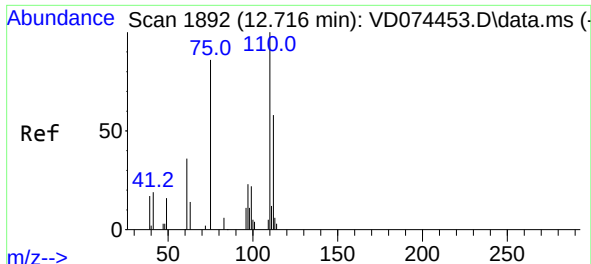
Tgt Ion:152 Resp: 62530
Ion Ratio Lower Upper
152 100
115 57.4 26.8 80.4
150 160.3 0.0 348.2



#73
Isopropylbenzene
Concen: 1.949 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. 0.006 min
Lab File: VD074507.D
Acq: 10 Oct 2022 17:24

Tgt Ion:105 Resp: 8963
Ion Ratio Lower Upper
105 100
120 22.6 13.5 40.4

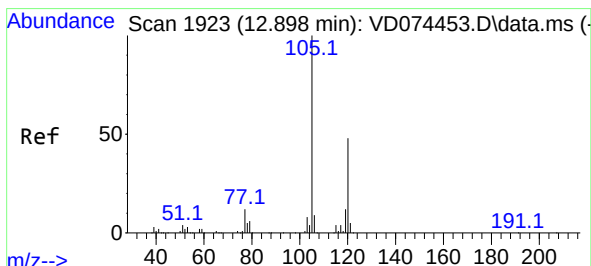
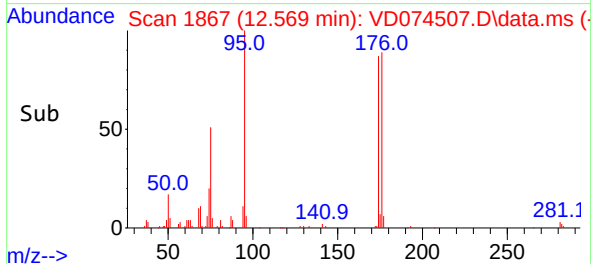
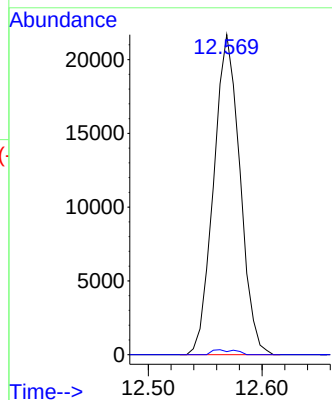
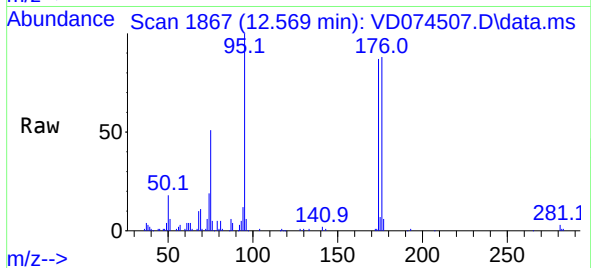




#76
1,2,3-Trichloropropane
Concen: 72.760 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.147 min
Lab File: VD074507.D
Acq: 10 Oct 2022 17:24

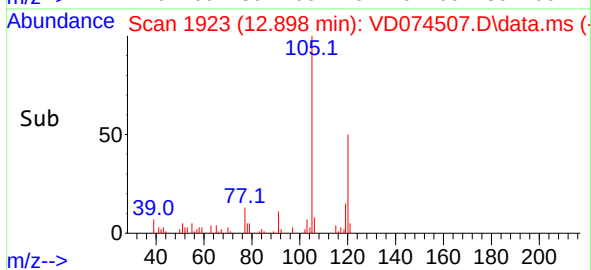
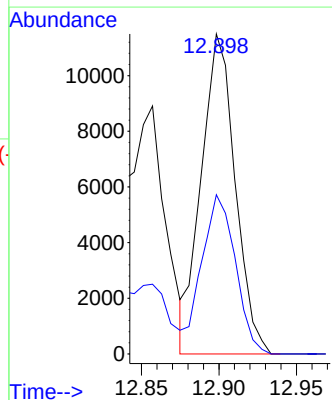
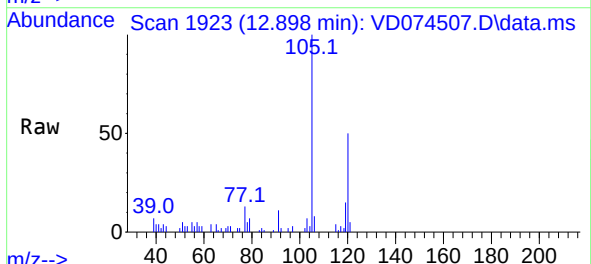
Instrument :
MSVOA_D
ClientSampleId :

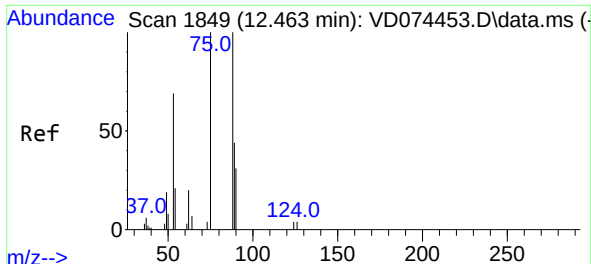
Tgt Ion: 75 Resp: 34925
Ion Ratio Lower Upper
75 100
77 1.4 185.8 557.5#



#80
1,3,5-Trimethylbenzene
Concen: 4.601 ug/l
RT: 12.898 min Scan# 1923
Delta R.T. -0.000 min
Lab File: VD074507.D
Acq: 10 Oct 2022 17:24

Tgt Ion:105 Resp: 17481
Ion Ratio Lower Upper
105 100
120 49.6 25.7 77.0

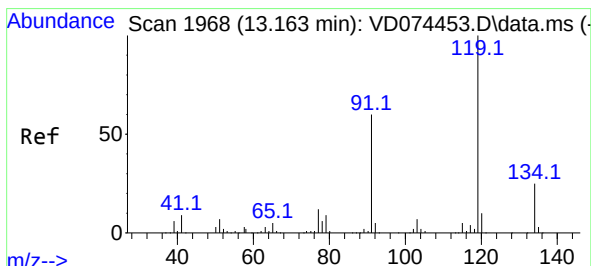
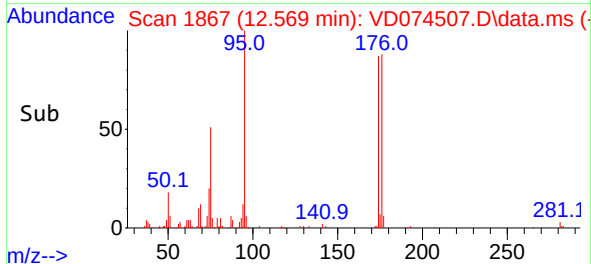
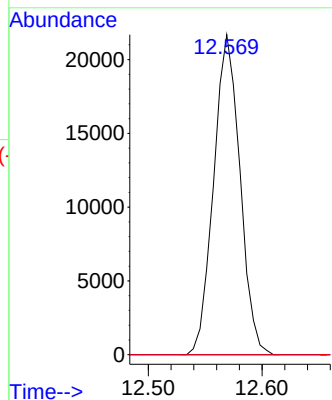
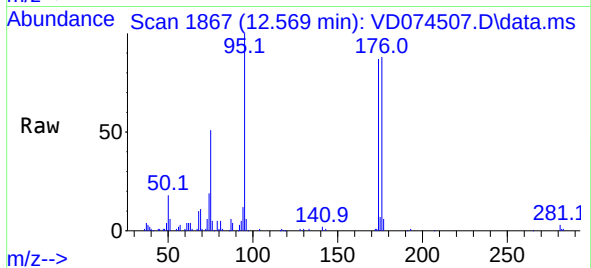




#81
trans-1,4-Dichloro-2-butene
Concen: 162.336 ug/l
RT: 12.569 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD074507.D
Acq: 10 Oct 2022 17:24

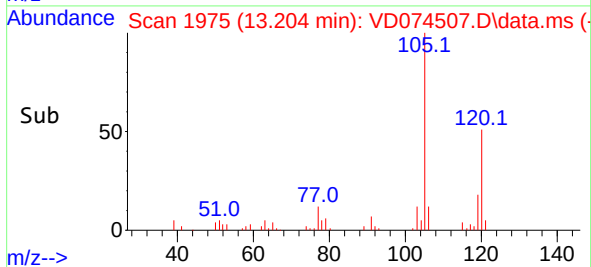
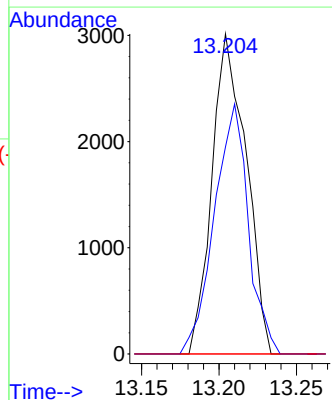
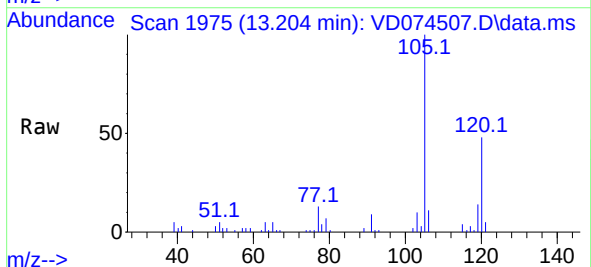
Instrument :
MSVOA_D
ClientSampleId :

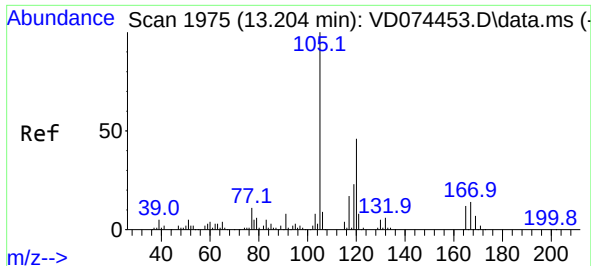
Tgt Ion: 75 Resp: 34925
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#



#83
tert-Butylbenzene
Concen: 1.413 ug/l
RT: 13.204 min Scan# 1975
Delta R.T. 0.041 min
Lab File: VD074507.D
Acq: 10 Oct 2022 17:24

Tgt Ion: 119 Resp: 4618
Ion Ratio Lower Upper
119 100
91 77.7 30.0 90.0
134 0.0 13.4 40.1#

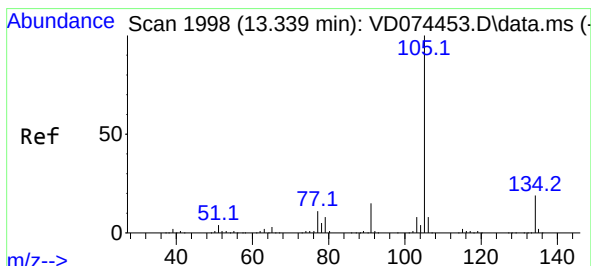
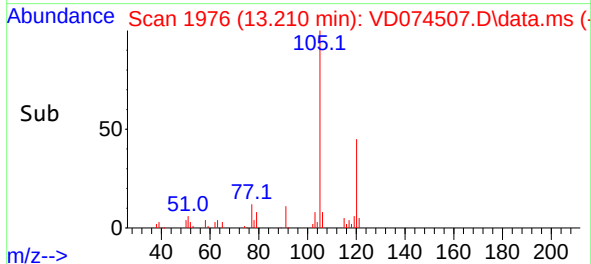
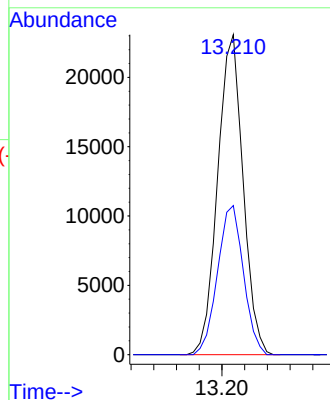
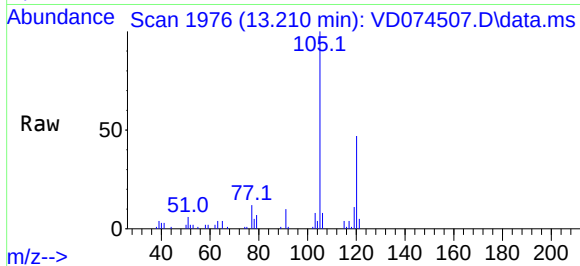




#84
1,2,4-Trimethylbenzene
Concen: 9.610 ug/l
RT: 13.210 min Scan# 1975
Delta R.T. 0.006 min
Lab File: VD074507.D
Acq: 10 Oct 2022 17:24

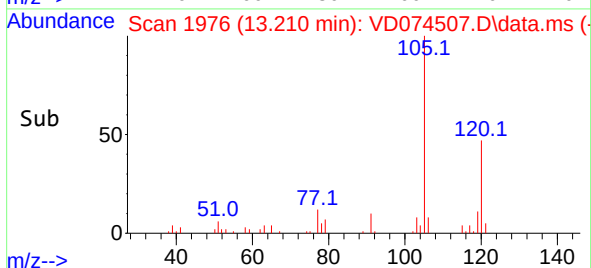
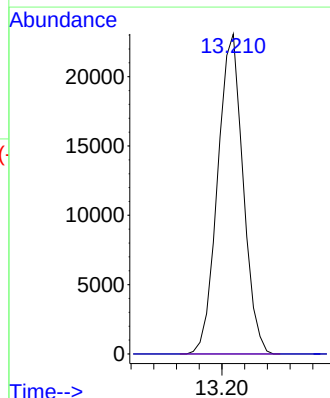
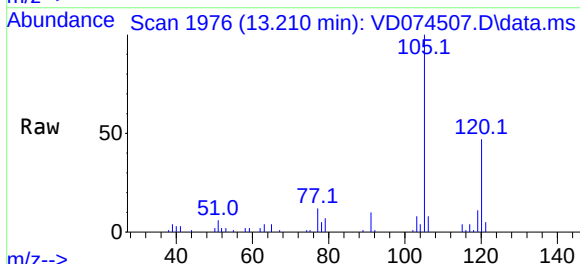
Instrument :
MSVOA_D
ClientSampleId :

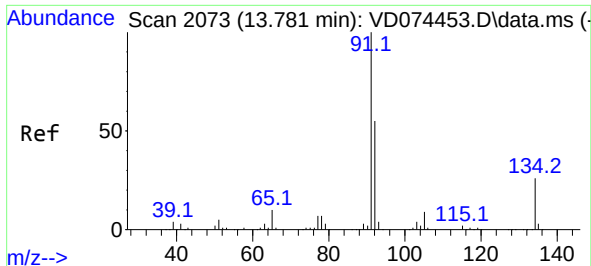
Tgt Ion:105 Resp: 35874
Ion Ratio Lower Upper
105 100
120 47.5 22.9 68.7



#85
sec-Butylbenzene
Concen: 7.124 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. -0.129 min
Lab File: VD074507.D
Acq: 10 Oct 2022 17:24

Tgt Ion:105 Resp: 35874
Ion Ratio Lower Upper
105 100
134 0.0 10.0 30.0#





#89

n-Butylbenzene

Concen: 2.266 ug/l

RT: 13.710 min Scan# 2061

Delta R.T. -0.071 min

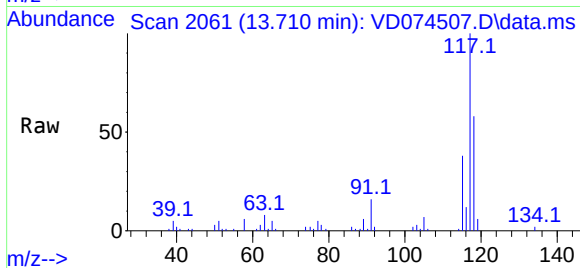
Lab File: VD074507.D

Acq: 10 Oct 2022 17:24

Instrument :

MSVOA_D

ClientSampleId :



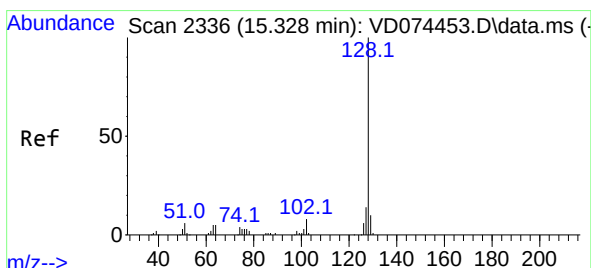
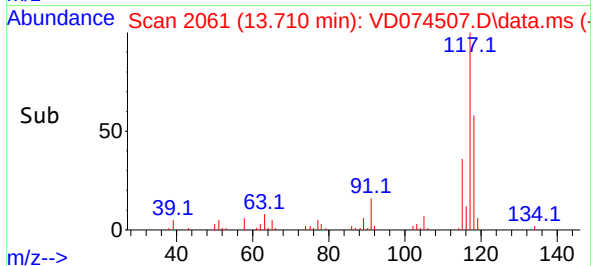
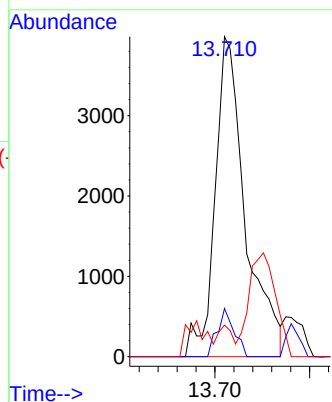
Tgt Ion: 91 Resp: 8818

Ion Ratio Lower Upper

91 100

92 8.4 26.9 80.7#

134 4.7 13.4 40.2#



#95

Naphthalene

Concen: 467.259 ug/l

RT: 15.328 min Scan# 2336

Delta R.T. -0.000 min

Lab File: VD074507.D

Acq: 10 Oct 2022 17:24

Tgt Ion:128 Resp: 1041129

Ion Ratio Lower Upper

128 100

127 13.2 10.6 16.0

129 11.0 8.3 12.5

