

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 :
 B-4(7-8)

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%

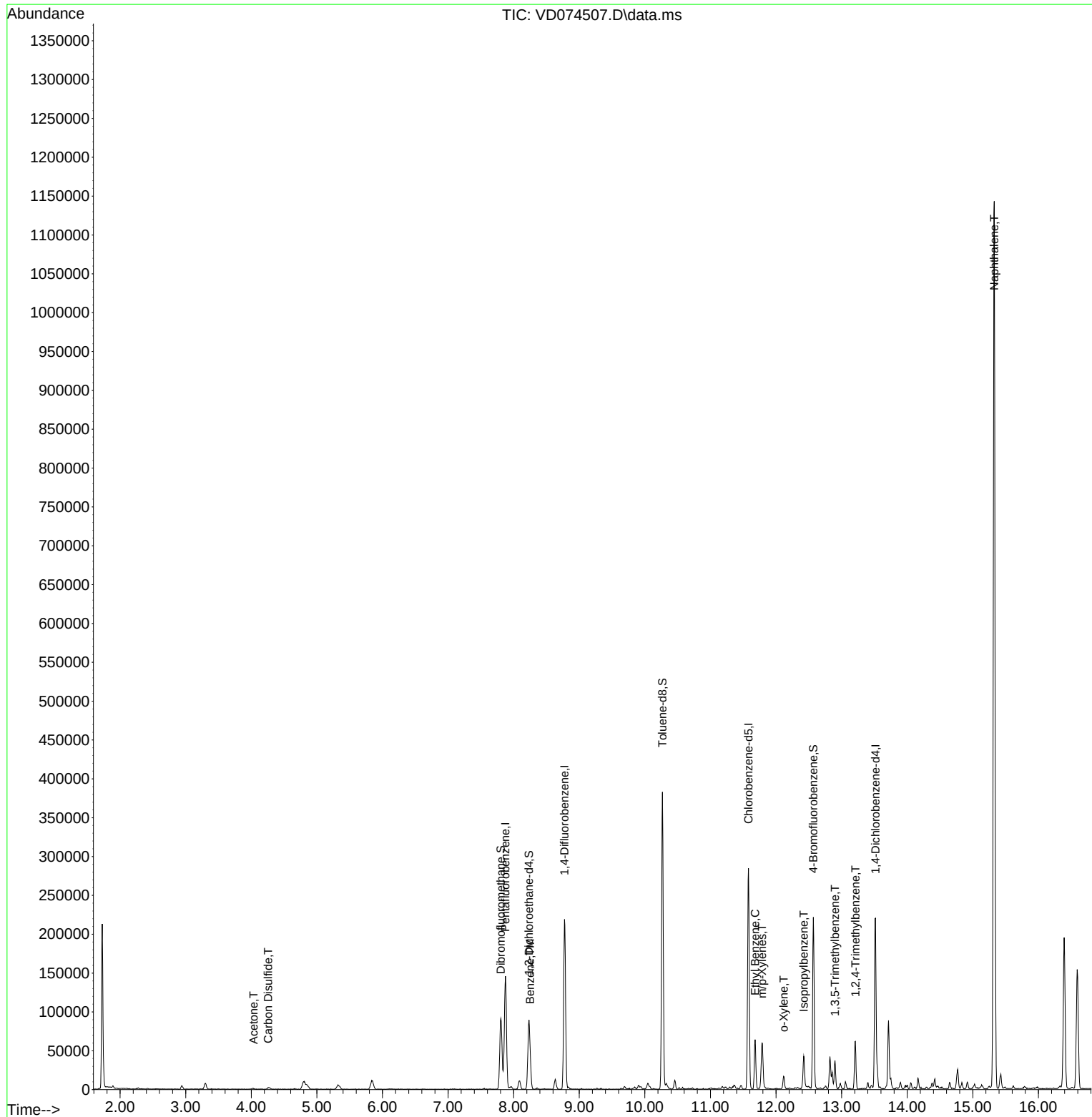
Target Compounds					Qvalue	
16) Acetone	4.034	43	1745	17.835	ug/l	# 86
17) Carbon Disulfide	4.258	76	5136	1.192	ug/l	96
40) Benzene	8.251	78	28369	5.036	ug/l	97
67) Ethyl Benzene	11.681	91	45854	7.257	ug/l	97
68) m/p-Xylenes	11.787	106	18445	7.428	ug/l	99
69) o-Xylene	12.116	106	5398	2.366	ug/l	88
73) Isopropylbenzene	12.422	105	8963	1.949	ug/l	92
80) 1,3,5-Trimethylbenzene	12.898	105	17481	4.601	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	35874	9.610	ug/l	97
95) Naphthalene	15.328	128	1041129	467.259	ug/l	99

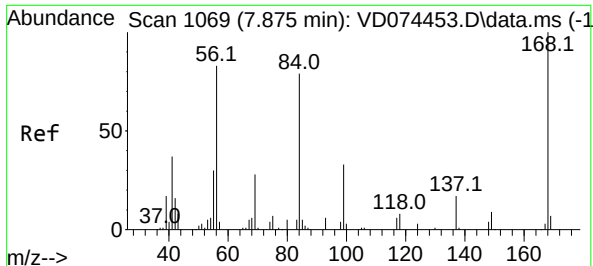
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 06 01:54:40 2022
Response via : Initial Calibration

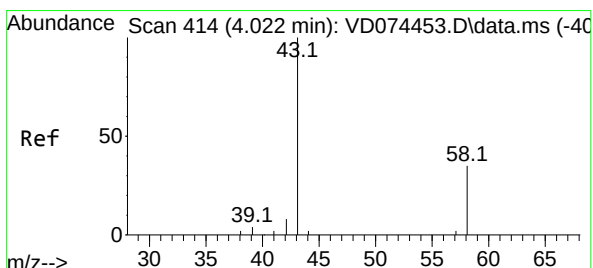
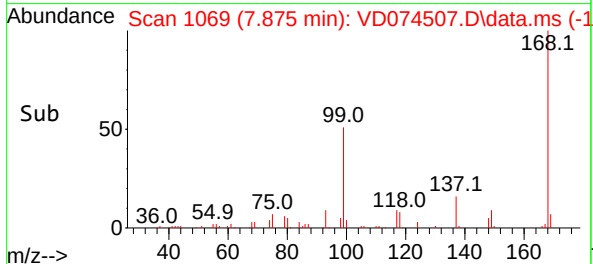
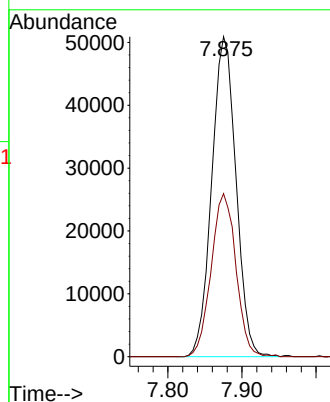
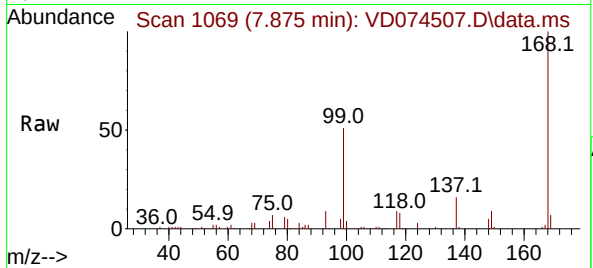




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074507.D
Acq: 10 Oct 2022 17:24

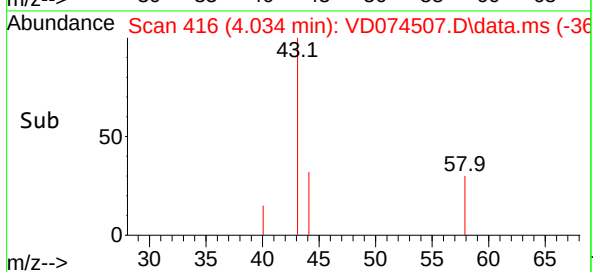
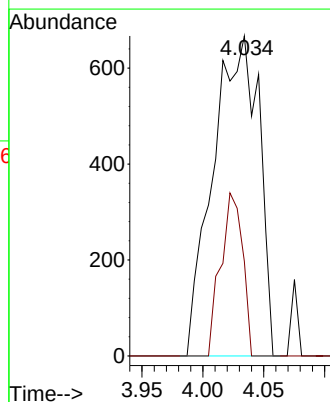
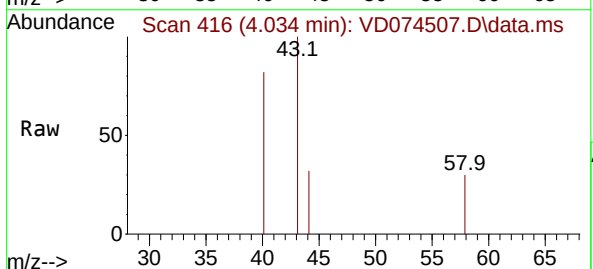
Instrument :
MSVOA_D
ClientSampleId :
B-4(7-8)

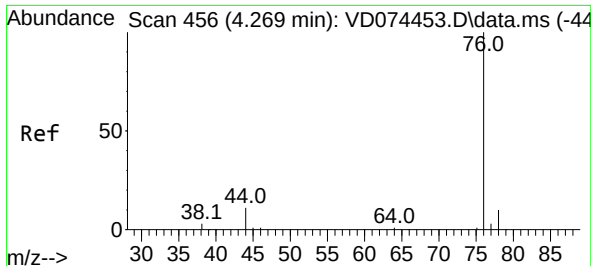
Tgt Ion:168 Resp: 115818
Ion Ratio Lower Upper
168 100
99 51.0 40.9 61.3



#16
Acetone
Concen: 17.835 ug/l
RT: 4.034 min Scan# 416
Delta R.T. 0.012 min
Lab File: VD074507.D
Acq: 10 Oct 2022 17:24

Tgt Ion: 43 Resp: 1745
Ion Ratio Lower Upper
43 100
58 29.5 30.2 45.2#

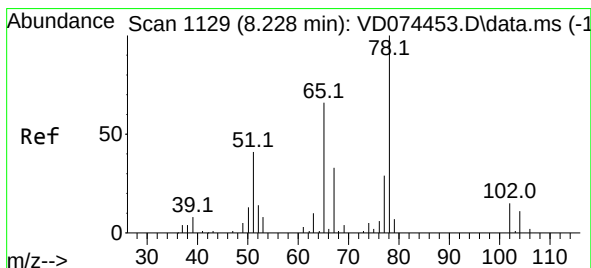
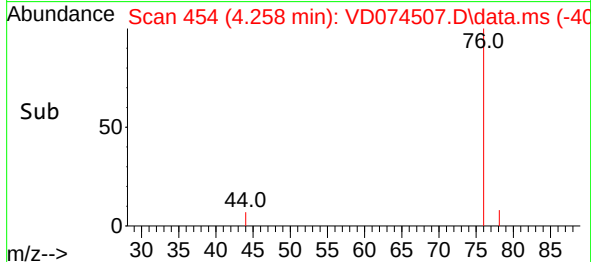
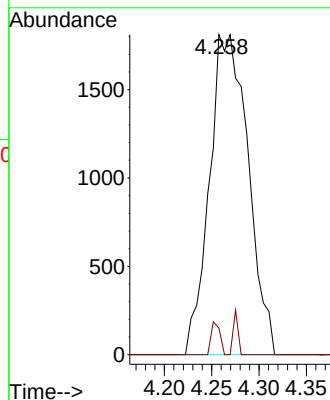
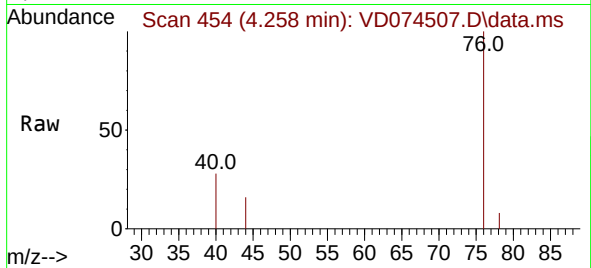




#17
Carbon Disulfide
Concen: 1.192 ug/l
RT: 4.258 min Scan# 41
Delta R.T. -0.012 min
Lab File: VD074507.D
Acq: 10 Oct 2022 17:24

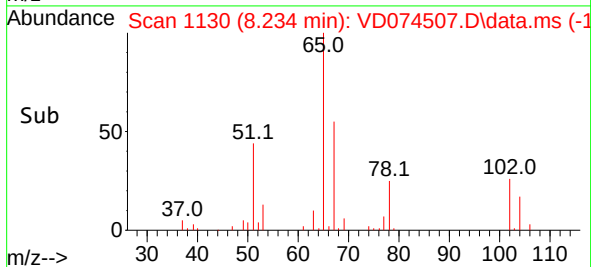
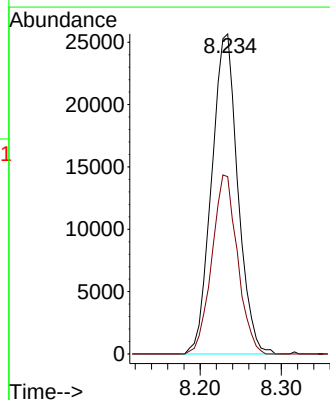
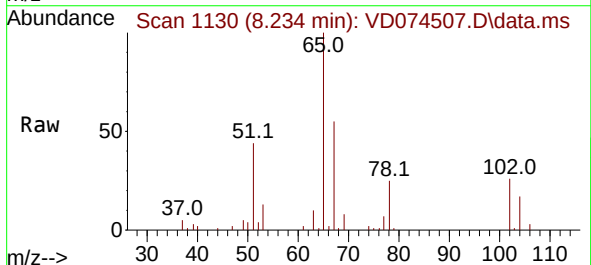
Instrument :
MSVOA_D
ClientSampleId :
B-4(7-8)

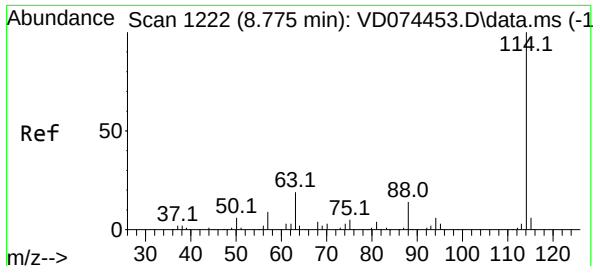
Tgt Ion: 76 Resp: 5136
Ion Ratio Lower Upper
76 100
78 8.3 7.8 11.8



#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 :

B-4(7-8)

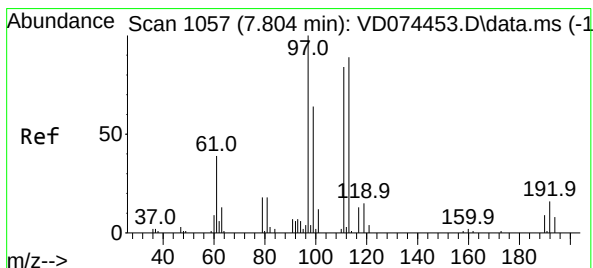
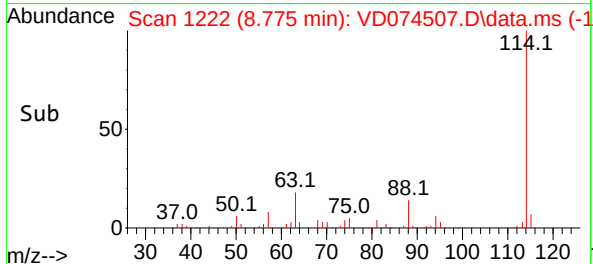
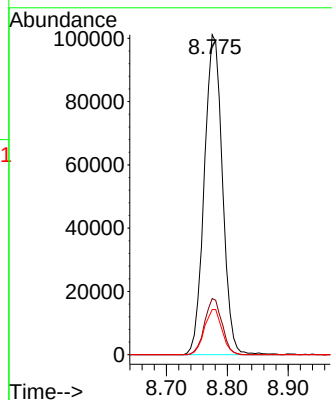
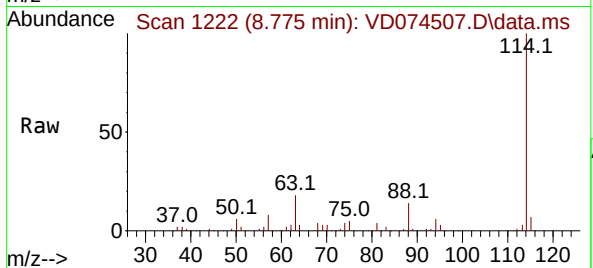
Tgt Ion:114 Resp: 209550

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

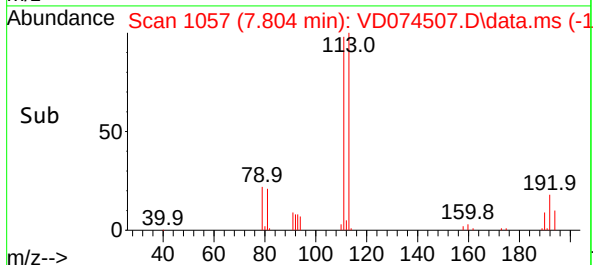
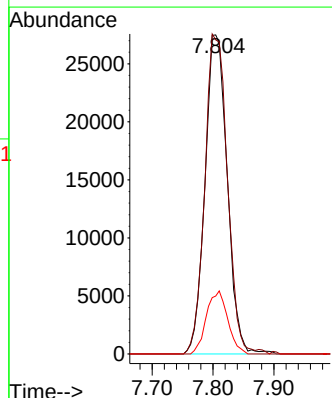
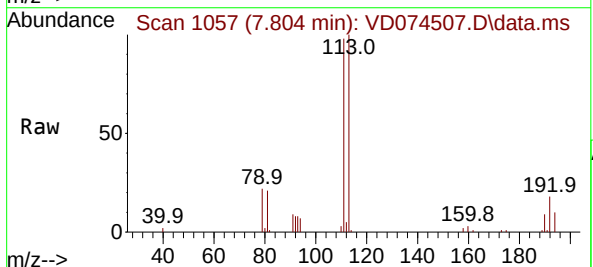
Tgt Ion:113 Resp: 69870

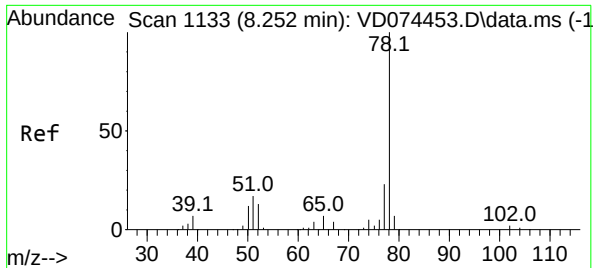
Ion Ratio Lower Upper

113 100

111 101.8 82.3 123.5

192 18.9 16.4 24.6





#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

Instrument :

MSVOA_D

ClientSampleId :

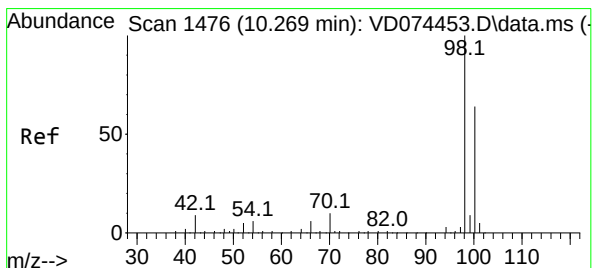
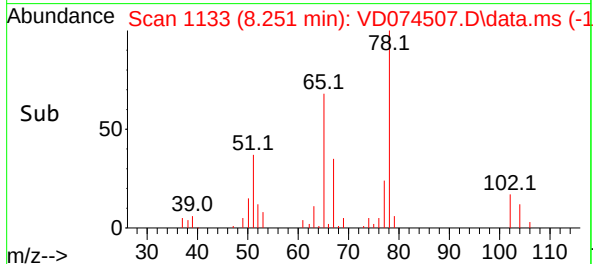
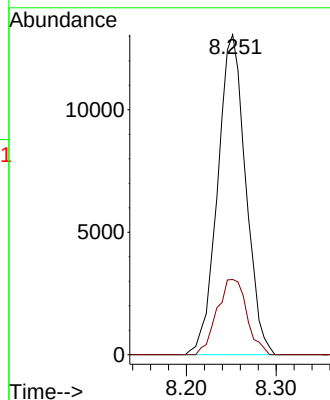
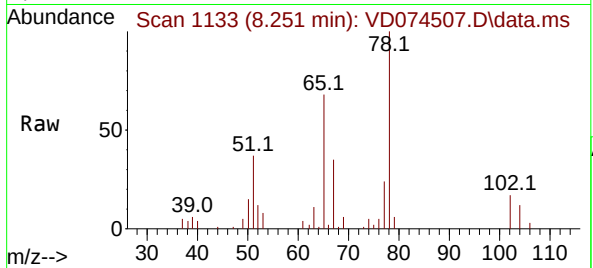
B-4(7-8)

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

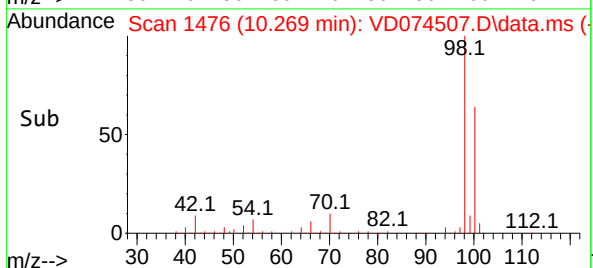
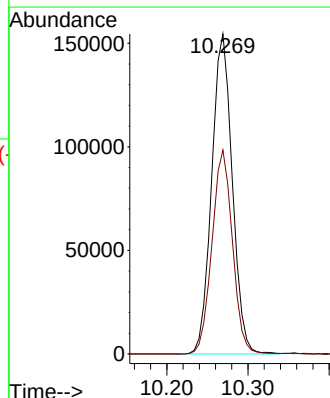
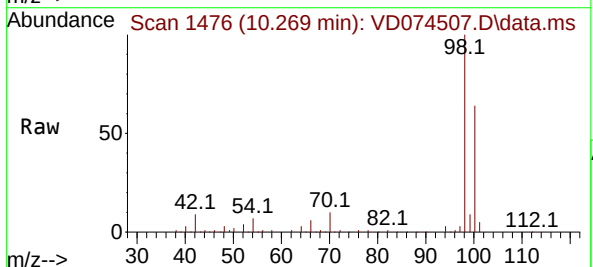
Acq: 10 Oct 2022 17:24

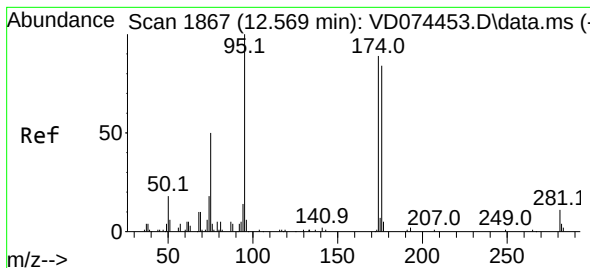
Tgt Ion: 98 Resp: 272174

Ion Ratio Lower Upper

98 100

100 63.5 51.4 77.0

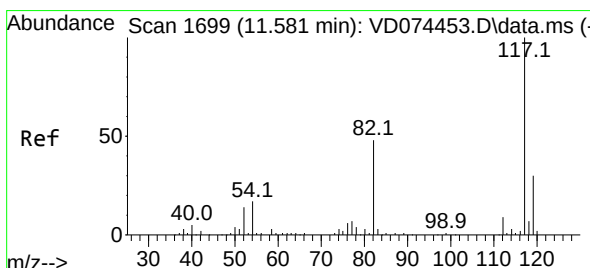
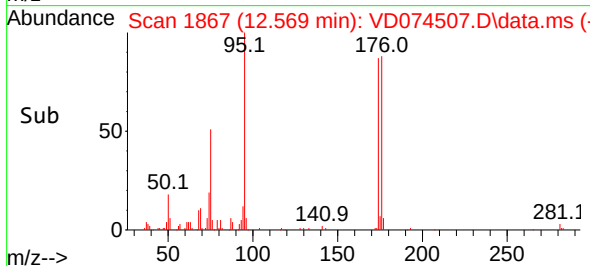
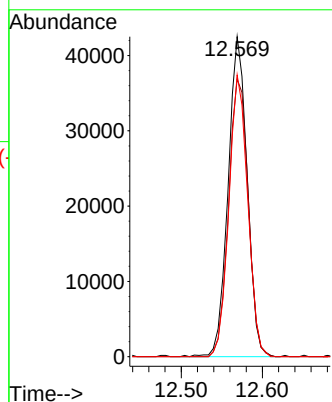
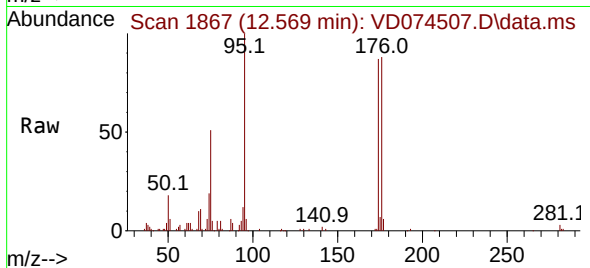




#62
4-Bromofluorobenzene
Concen: 43.679 ug/l
RT: 12.569 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD074507.D
Acq: 10 Oct 2022 17:24

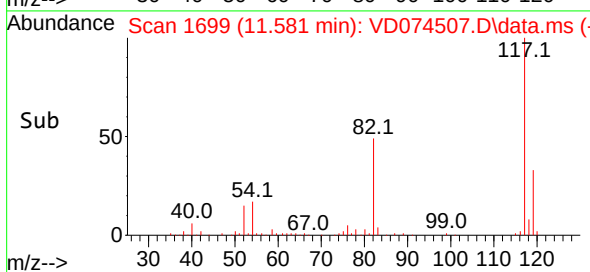
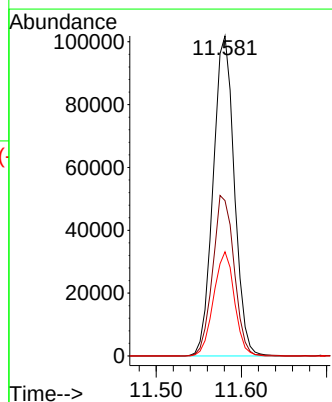
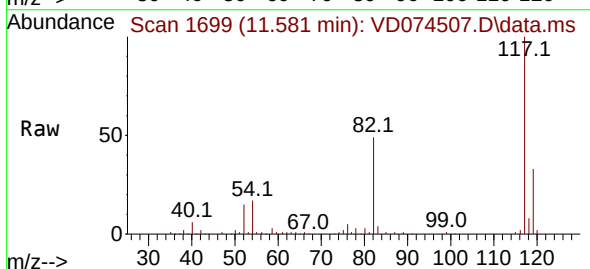
Instrument :
MSVOA_D
ClientSampleId :
B-4(7-8)

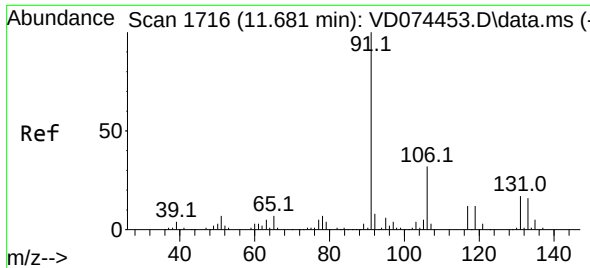
Tgt Ion: 95 Resp: 69345
Ion Ratio Lower Upper
95 100
174 89.3 0.0 197.0
176 86.7 0.0 182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074507.D
Acq: 10 Oct 2022 17:24

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

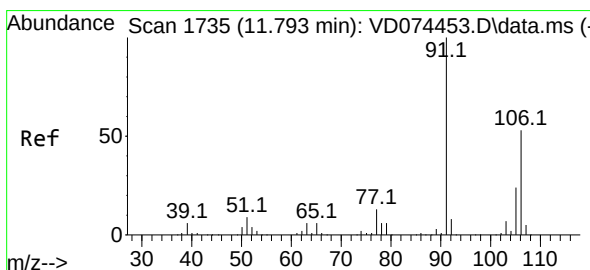
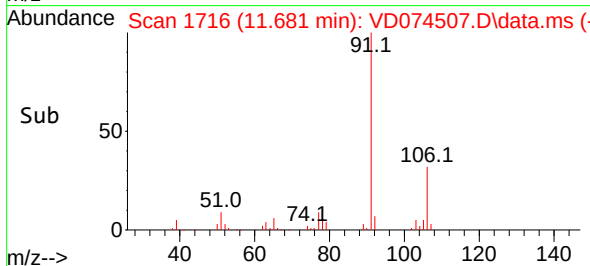
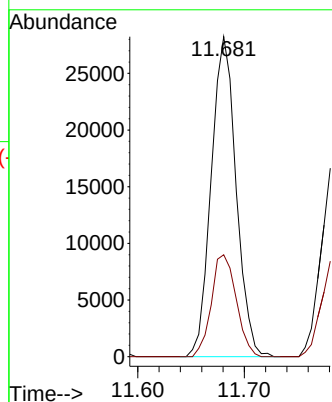
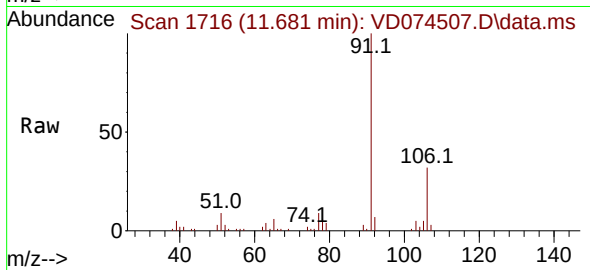




#67
Ethyl Benzene
Concen: 7.257 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VD074507.D
Acq: 10 Oct 2022 17:24

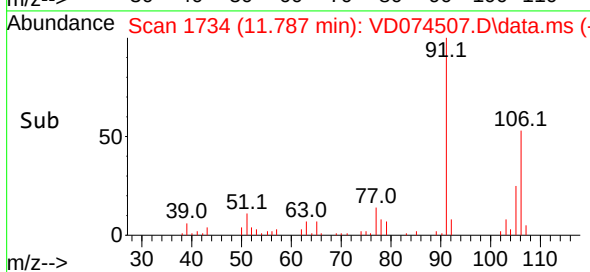
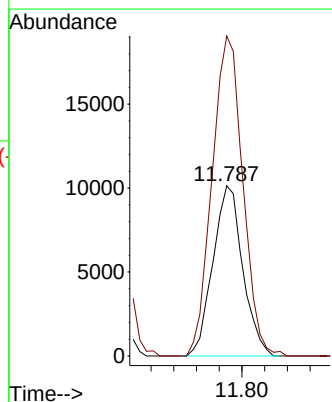
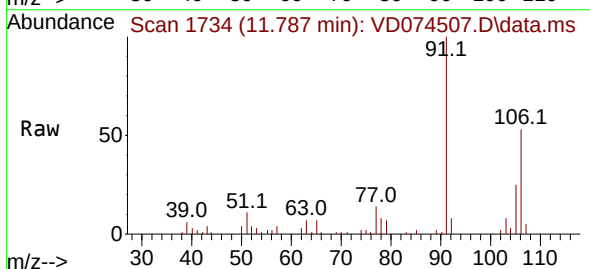
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B-4(7-8)

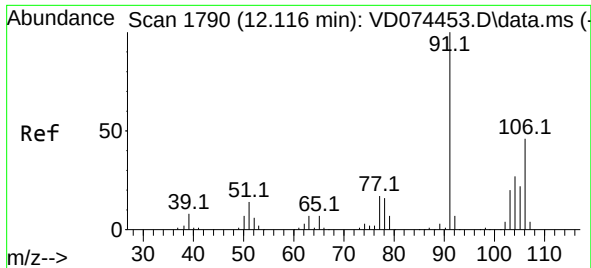
Tgt Ion: 91 Resp: 45854
Ion Ratio Lower Upper
91 100
106 31.9 26.6 40.0



#68
m/p-Xylenes
Concen: 7.428 ug/l
RT: 11.787 min Scan# 1734
Delta R.T. -0.006 min
Lab File: VD074507.D
Acq: 10 Oct 2022 17:24

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

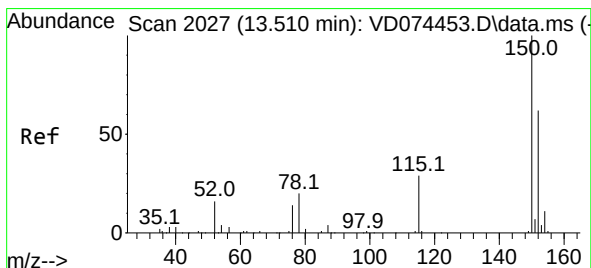
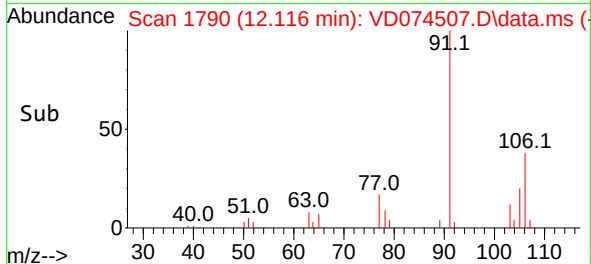
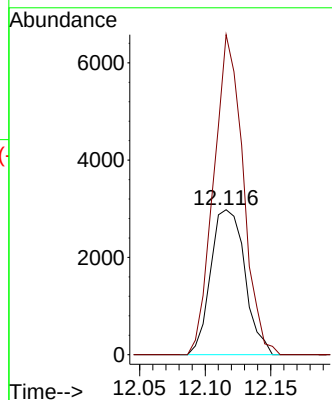
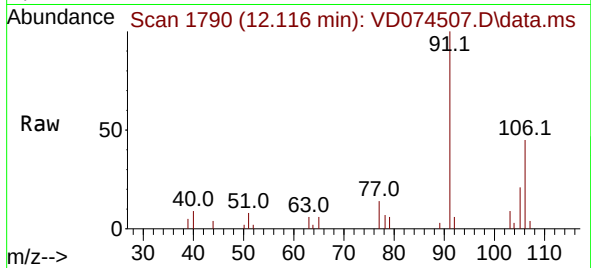




#69
o-Xylene
Concen: 2.366 ug/l
RT: 12.116 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD074507.D
Acq: 10 Oct 2022 17:24

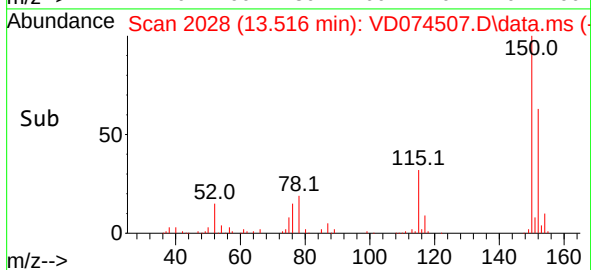
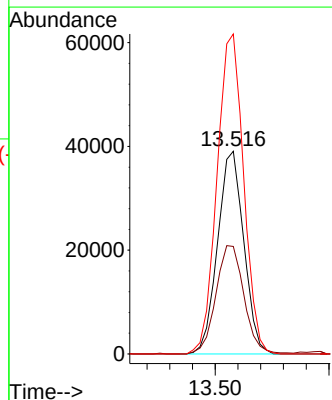
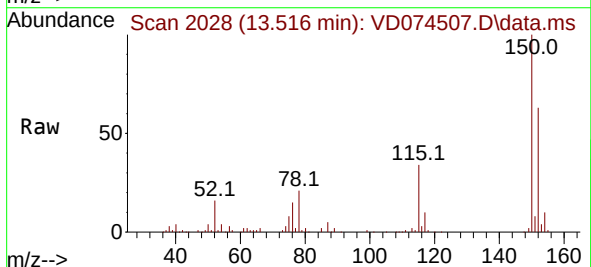
Instrument :
MSVOA_D
ClientSampleId :
B-4(7-8)

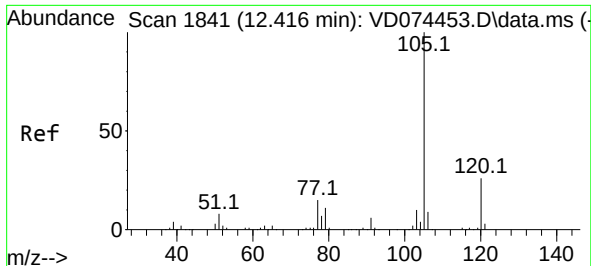
Tgt Ion:106 Resp: 5398
Ion Ratio Lower Upper
106 100
91 190.3 104.5 313.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD074507.D
Acq: 10 Oct 2022 17:24

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

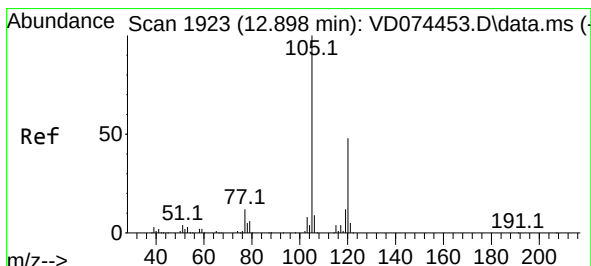
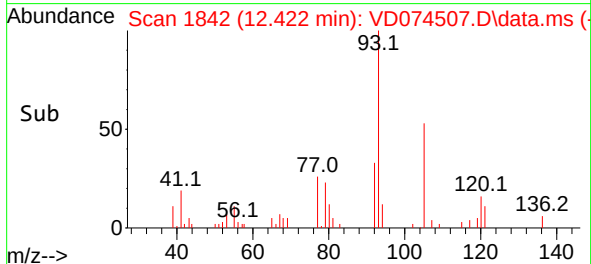
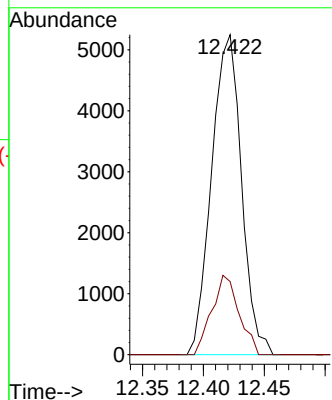
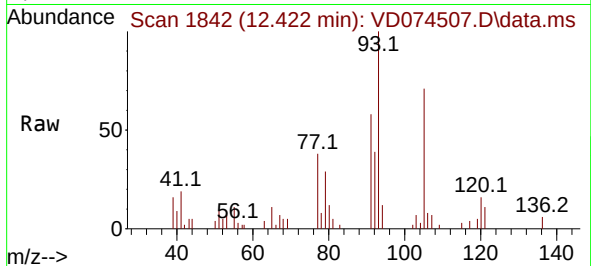




#73
Isopropylbenzene
Concen: 1.949 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. 0.006 min
Lab File: VD074507.D
Acq: 10 Oct 2022 17:24

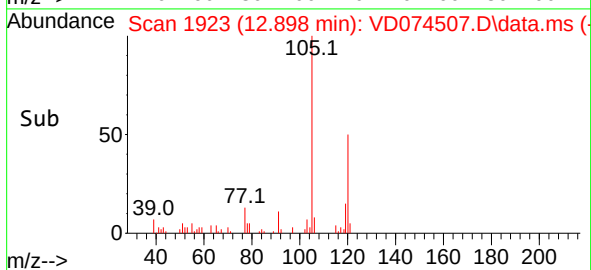
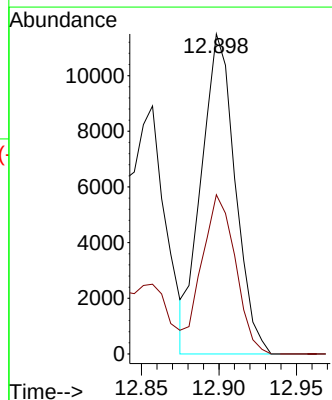
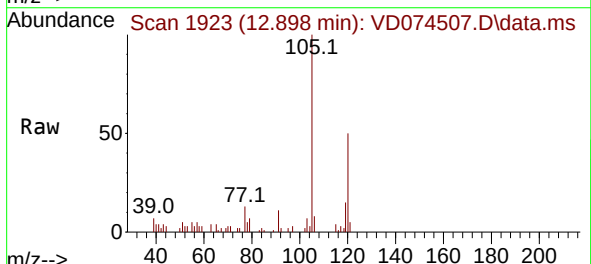
Instrument :
MSVOA_D
ClientSampleId :
B-4(7-8)

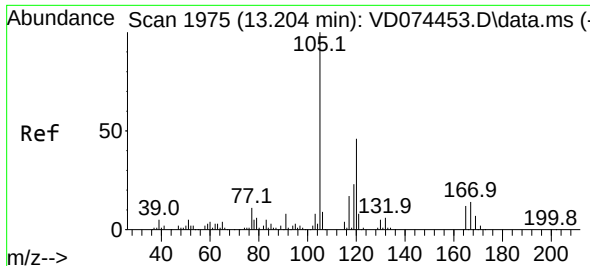
Tgt Ion:105 Resp: 8963
Ion Ratio Lower Upper
105 100
120 22.6 13.5 40.4



#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

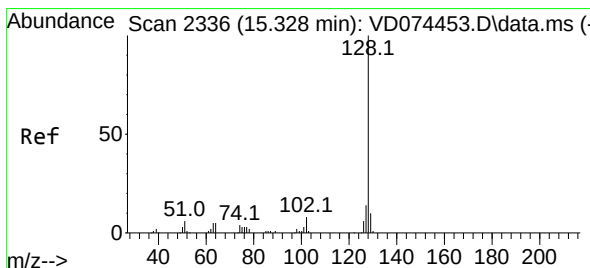
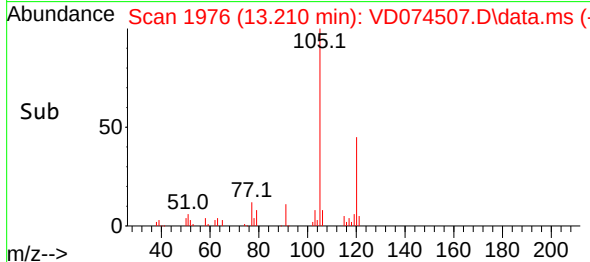
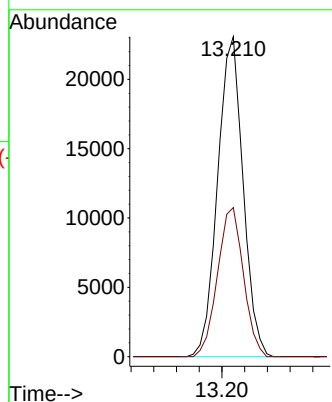
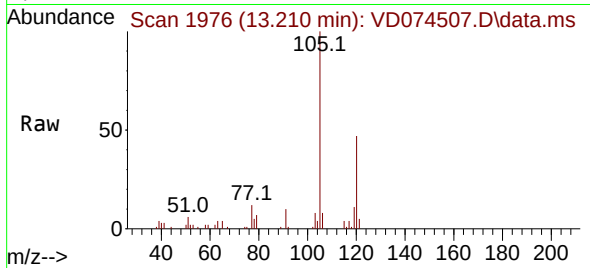




#84
 1,2,4-Trimethylbenzene
 Concen: 9.610 ug/l
 RT: 13.210 min Scan# 1976
 Delta R.T. 0.006 min
 Lab File: VD074507.D
 Acq: 10 Oct 2022 17:24

Instrument :
 MSVOA_D
 ClientSampleId :
 B-4(7-8)

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



#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

