

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101322\
 Data File : VD074526.D
 Acq On : 13 Oct 2022 13:45
 Operator : VA/SY
 Sample : N5066-04
 Misc : 6.51G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(25-26)

Quant Time: Oct 13 16:57:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101122S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 12 13:14:00 2022
 Response via : Initial Calibration

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

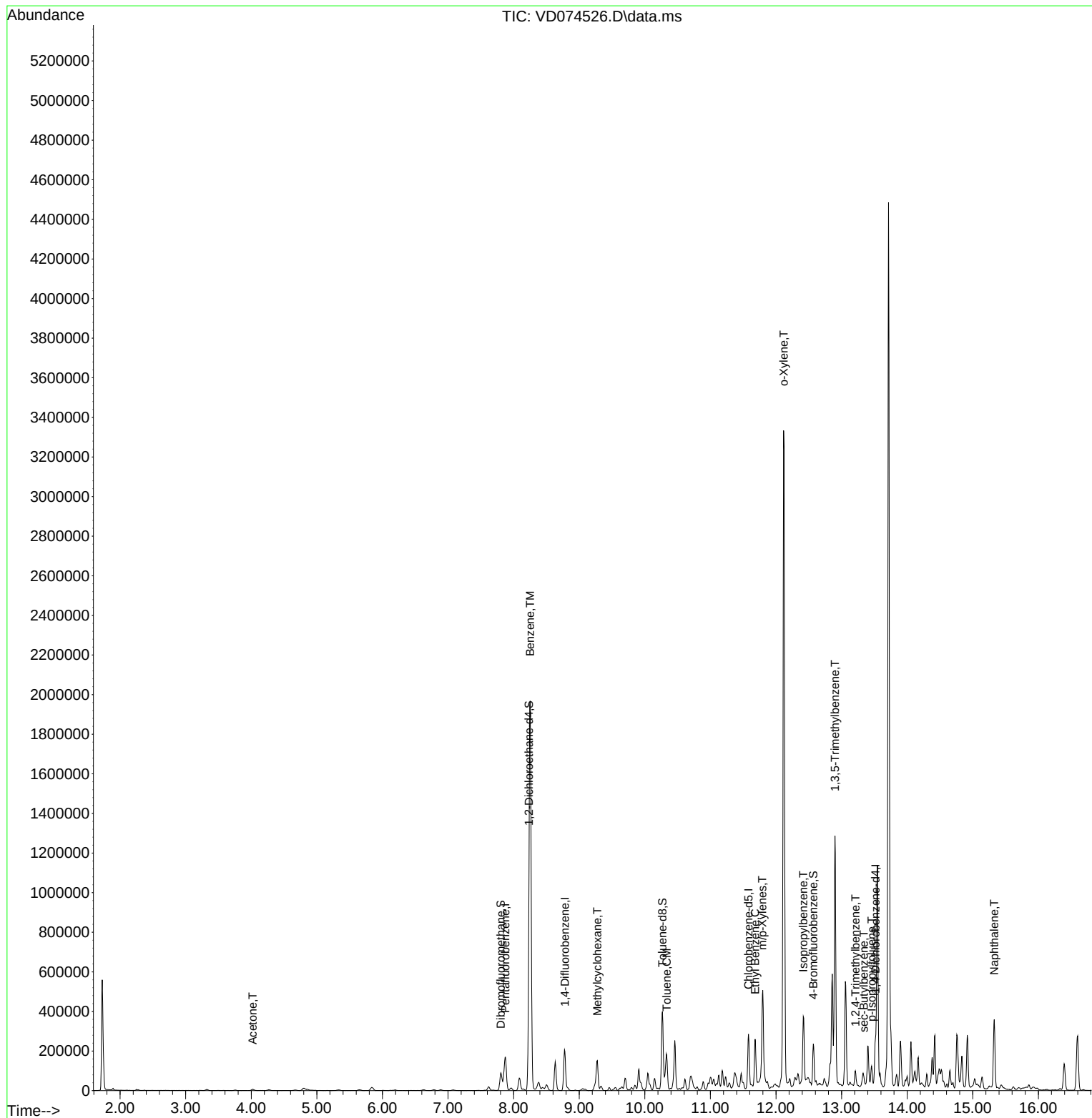
Internal Standards						
1) Pentafluorobenzene	7.875	168	118061	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	185235	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	154304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	64777	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	51970	51.141	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.280%	
35) Dibromofluoromethane	7.805	113	65577	59.283	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 118.560%	
50) Toluene-d8	10.269	98	230381	54.179	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.360%	
62) 4-Bromofluorobenzene	12.569	95	66009	50.763	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 101.520%	
Target Compounds						
					Qvalue	
16) Acetone	4.022	43	10710	48.858	ug/l #	86
39) Methylcyclohexane	9.275	83	69973	31.447	ug/l	95
40) Benzene	8.252	78	2206171	416.962	ug/l	100
52) Toluene	10.334	92	72192	21.589	ug/l	98
67) Ethyl Benzene	11.681	91	160269	27.298	ug/l	99
68) m/p-Xylenes	11.793	106	105475	45.055	ug/l	98
69) o-Xylene	12.116	106	991417	455.148	ug/l	96
73) Isopropylbenzene	12.416	105	235273	45.149	ug/l	99
80) 1,3,5-Trimethylbenzene	12.898	105	661051	156.084	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	45289	10.795	ug/l	99
85) sec-Butylbenzene	13.340	105	19720	3.490	ug/l #	67
86) p-Isopropyltoluene	13.457	119	50180	10.695	ug/l	97
95) Naphthalene	15.328	128	320067	124.744	ug/l	98

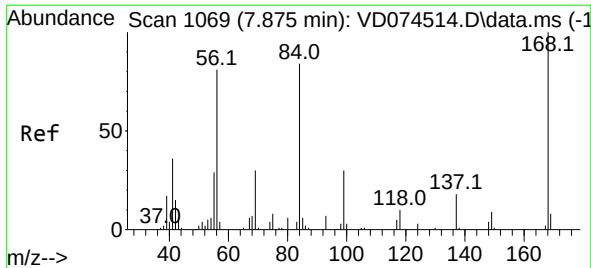
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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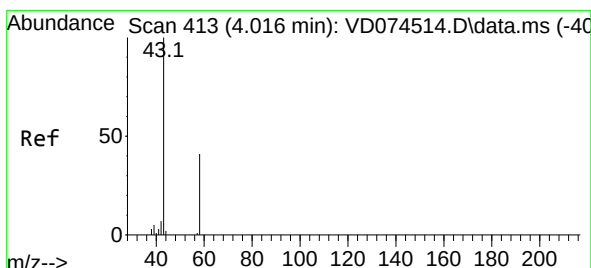
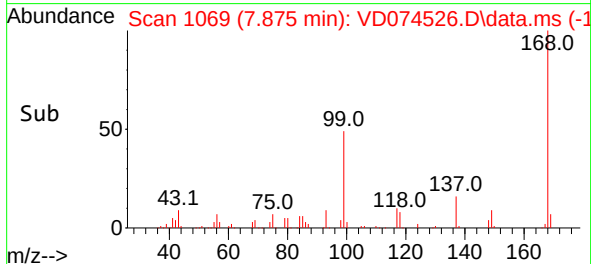
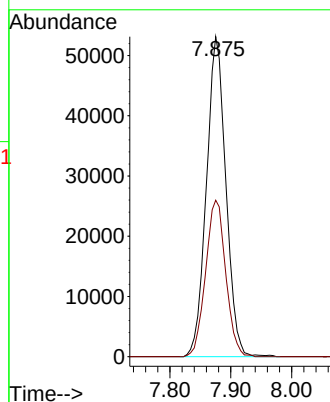
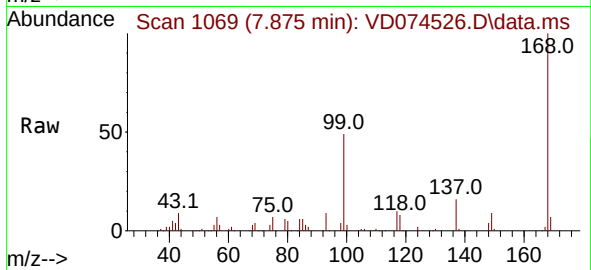




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074526.D
Acq: 13 Oct 2022 13:45

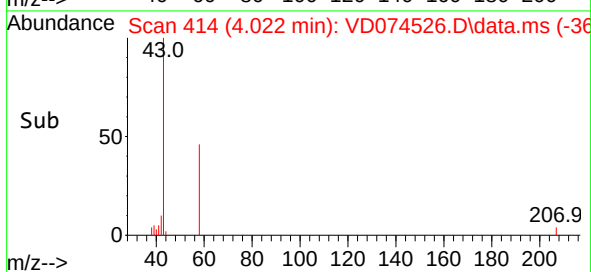
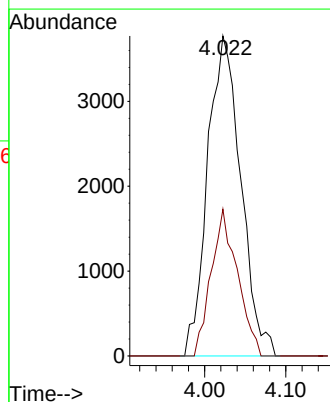
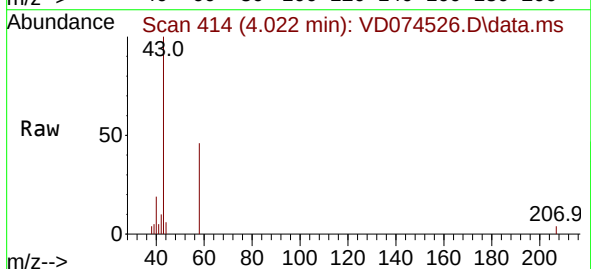
Instrument :
MSVOA_D
ClientSampleId :
B-2(25-26)

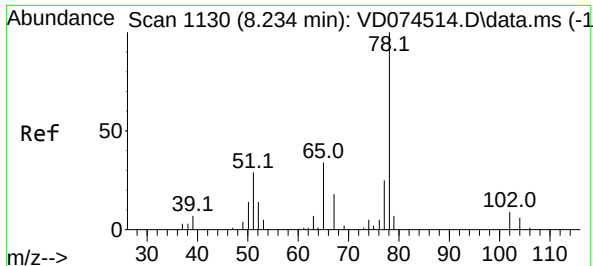
Tgt Ion:168 Resp: 118061
Ion Ratio Lower Upper
168 100
99 48.9 40.9 61.3



#16
Acetone
Concen: 48.858 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD074526.D
Acq: 13 Oct 2022 13:45

Tgt Ion: 43 Resp: 10710
Ion Ratio Lower Upper
43 100
58 45.9 30.2 45.2#





#33

1,2-Dichloroethane-d4

Concen: 51.141 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD074526.D

Acq: 13 Oct 2022 13:45

Instrument :

MSVOA_D

ClientSampleId :

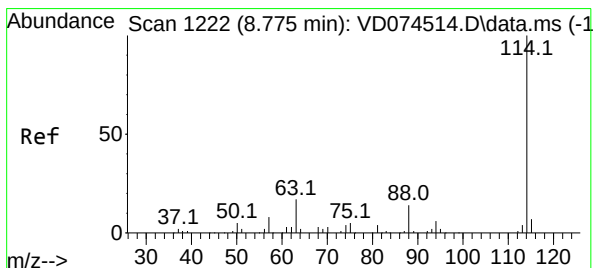
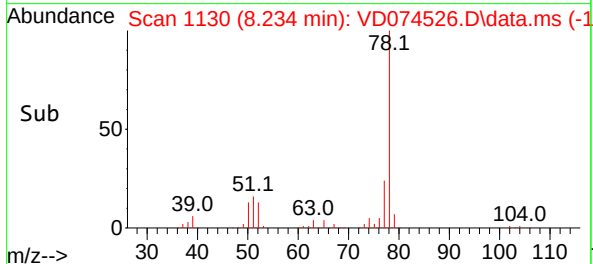
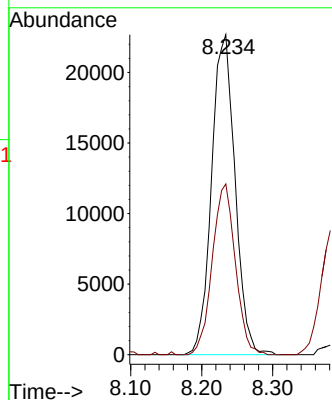
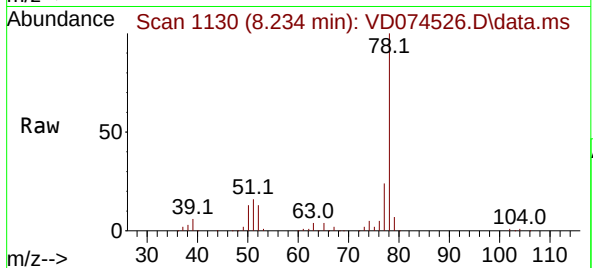
B-2(25-26)

Tgt Ion: 65 Resp: 51970

Ion Ratio Lower Upper

65 100

67 52.4 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD074526.D

Acq: 13 Oct 2022 13:45

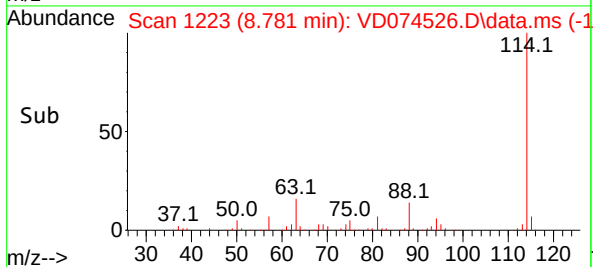
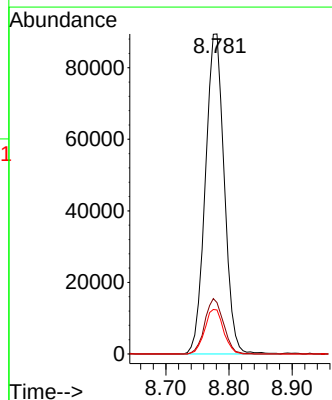
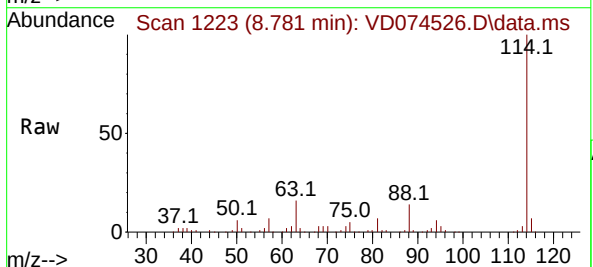
Tgt Ion: 114 Resp: 185235

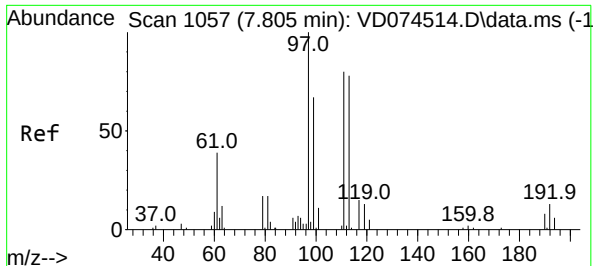
Ion Ratio Lower Upper

114 100

63 16.1 0.0 33.2

88 13.7 0.0 28.2





#35

Dibromofluoromethane

Concen: 59.283 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.001 min

Lab File: VD074526.D

Acq: 13 Oct 2022 13:45

Instrument :

MSVOA_D

ClientSampleId :

B-2(25-26)

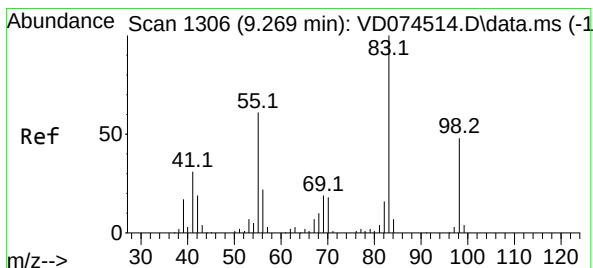
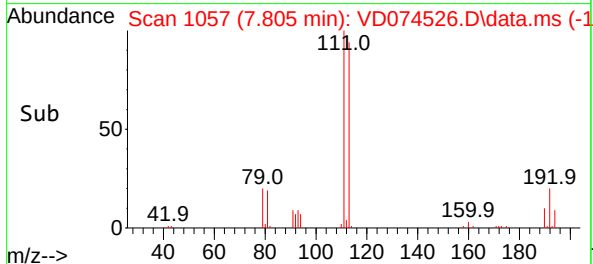
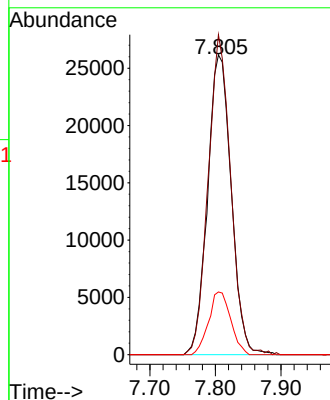
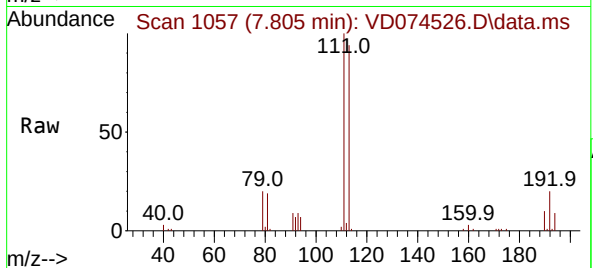
Tgt Ion:113 Resp: 65577

Ion Ratio Lower Upper

113 100

111 101.5 82.3 123.5

192 19.5 16.4 24.6



#39

Methylcyclohexane

Concen: 31.447 ug/l

RT: 9.275 min Scan# 1307

Delta R.T. 0.006 min

Lab File: VD074526.D

Acq: 13 Oct 2022 13:45

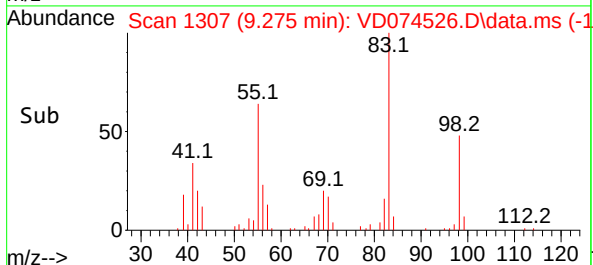
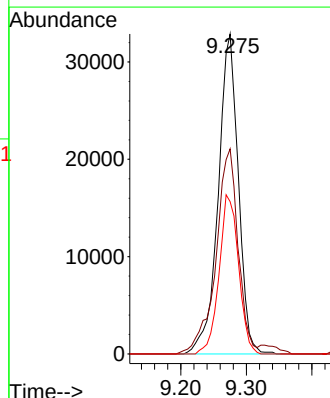
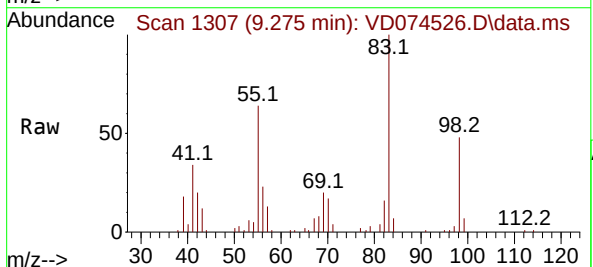
Tgt Ion: 83 Resp: 69973

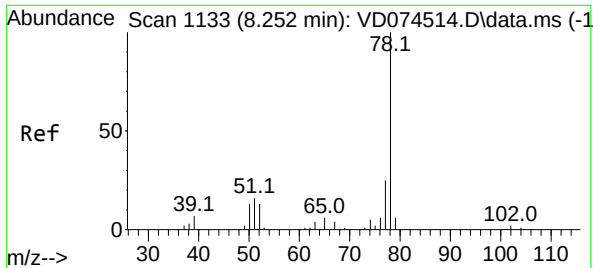
Ion Ratio Lower Upper

83 100

55 63.6 49.0 73.4

98 47.6 41.7 62.5

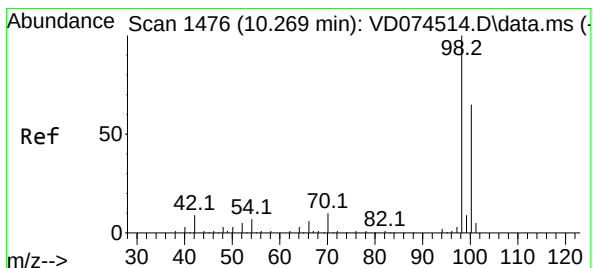
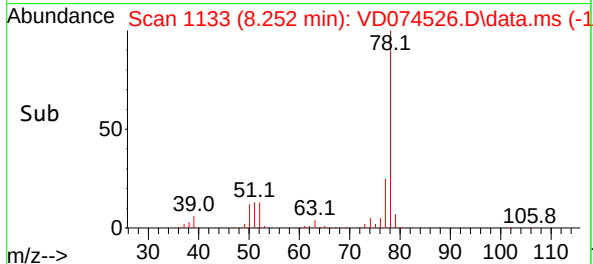
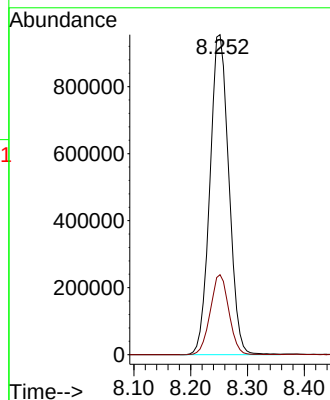
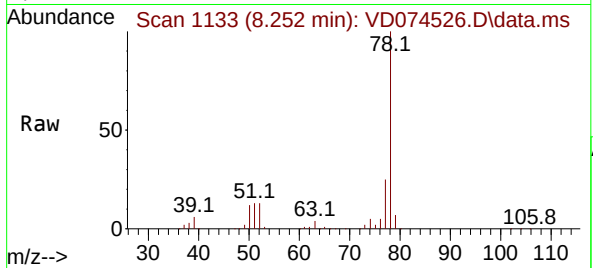




#40
Benzene
Concen: 416.962 ug/l
RT: 8.252 min Scan# 1133
Delta R.T. -0.000 min
Lab File: VD074526.D
Acq: 13 Oct 2022 13:45

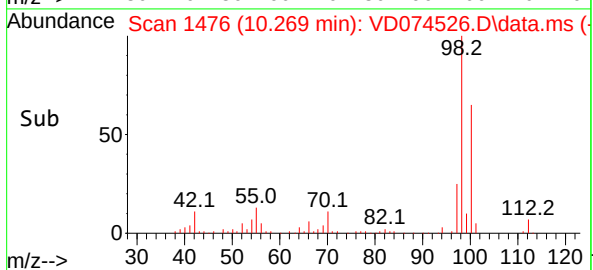
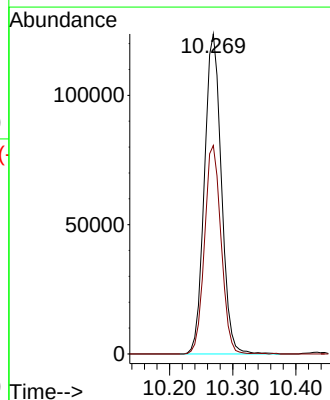
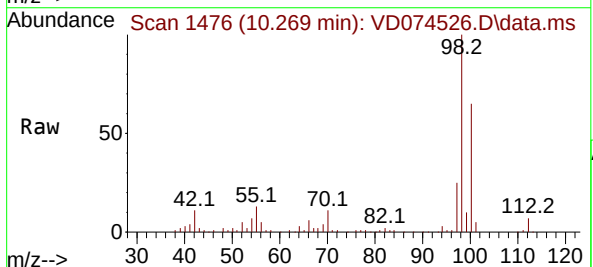
Instrument :
MSVOA_D
ClientSampleId :
B-2(25-26)

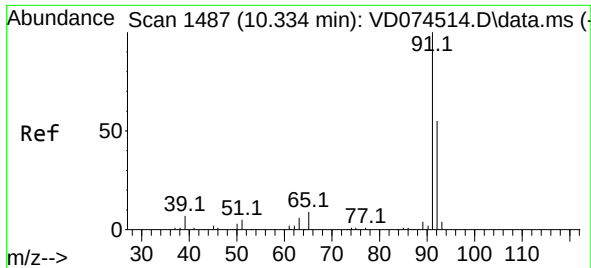
Tgt Ion: 78 Resp: 2206171
Ion Ratio Lower Upper
78 100
77 25.0 20.1 30.1



#50
Toluene-d8
Concen: 54.179 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074526.D
Acq: 13 Oct 2022 13:45

Tgt Ion: 98 Resp: 230381
Ion Ratio Lower Upper
98 100
100 63.6 51.4 77.0

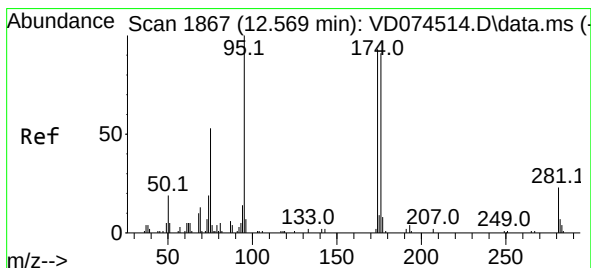
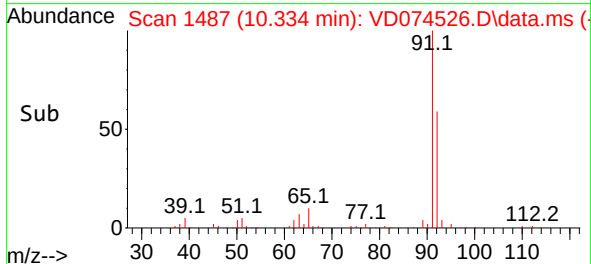
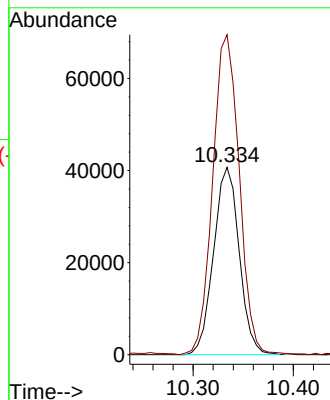
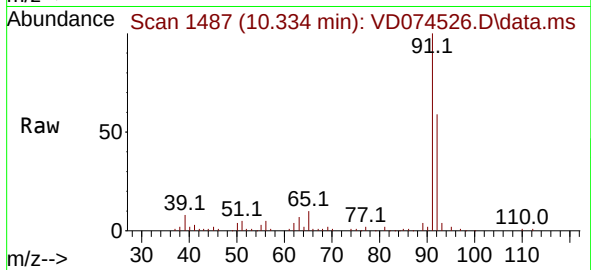




#52
Toluene
Concen: 21.589 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD074526.D
Acq: 13 Oct 2022 13:45

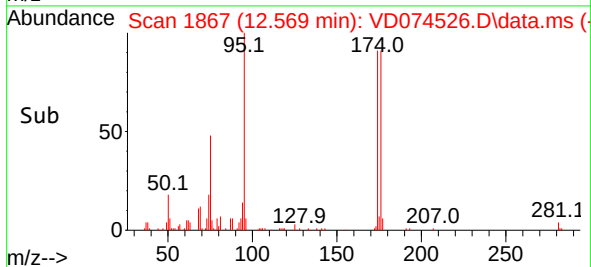
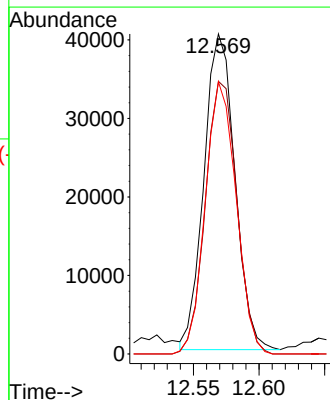
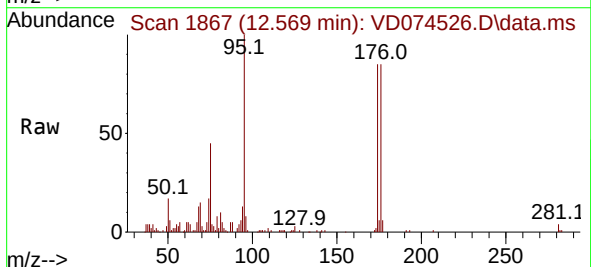
Instrument :
MSVOA_D
ClientSampleId :
B-2(25-26)

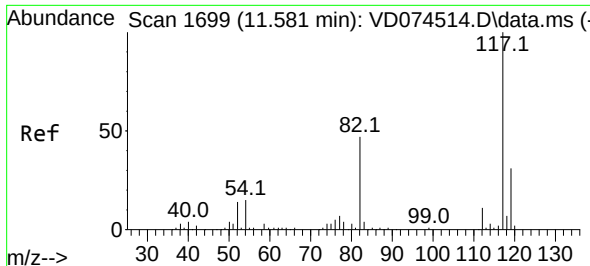
Tgt Ion: 92 Resp: 72192
Ion Ratio Lower Upper
92 100
91 177.0 139.0 208.4



#62
4-Bromofluorobenzene
Concen: 50.763 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD074526.D
Acq: 13 Oct 2022 13:45

Tgt Ion: 95 Resp: 66009
Ion Ratio Lower Upper
95 100
174 88.1 0.0 197.0
176 86.0 0.0 182.6

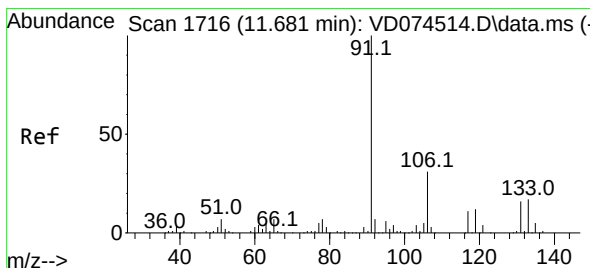
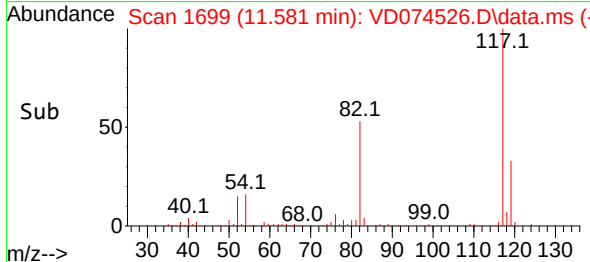
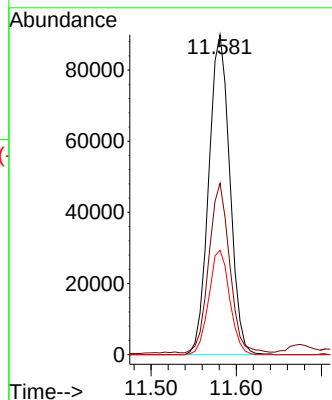
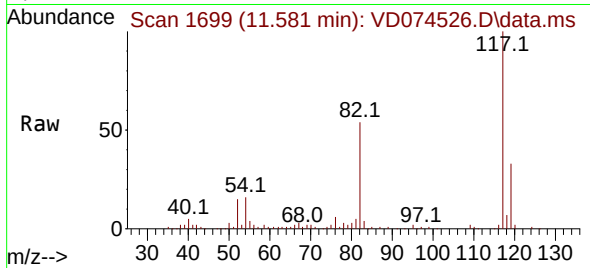




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1171
Delta R.T. -0.000 min
Lab File: VD074526.D
Acq: 13 Oct 2022 13:45

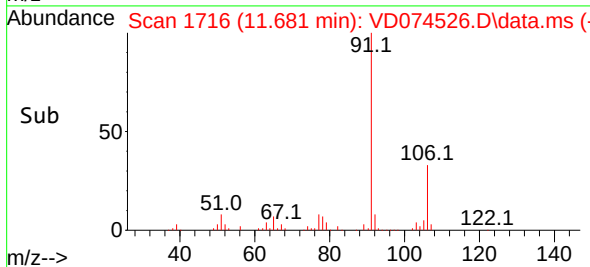
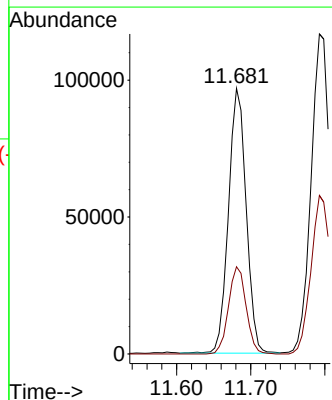
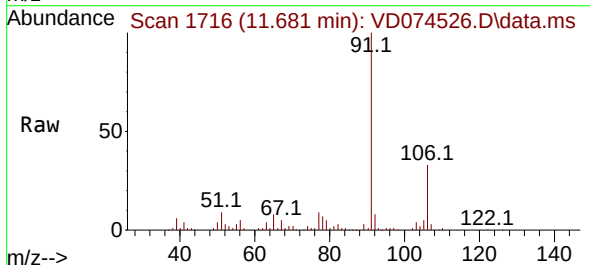
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B-2(25-26)

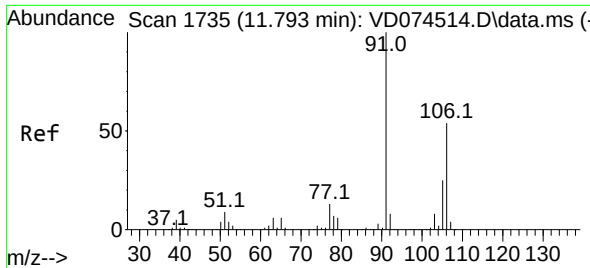
Tgt Ion:117 Resp: 154304
Ion Ratio Lower Upper
117 100
82 53.0 41.6 62.4
119 32.6 25.2 37.8



#67
Ethyl Benzene
Concen: 27.298 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VD074526.D
Acq: 13 Oct 2022 13:45

Tgt Ion: 91 Resp: 160269
Ion Ratio Lower Upper
91 100
106 32.9 26.6 40.0

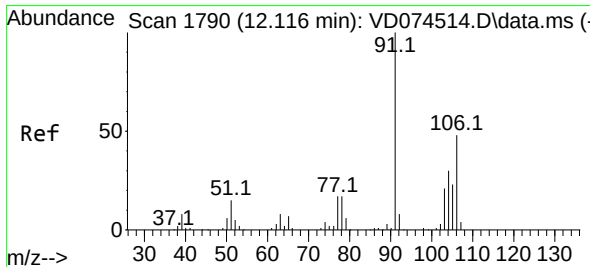
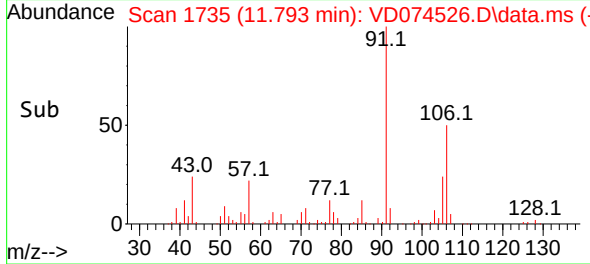
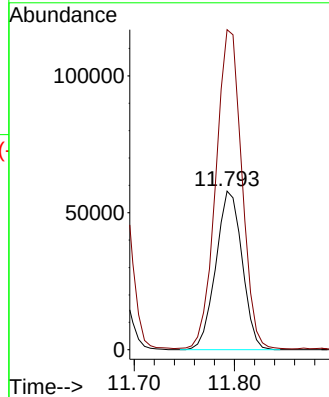
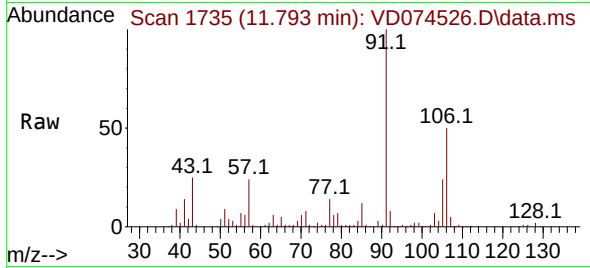




#68
m/p-Xylenes
Concen: 45.055 ug/l
RT: 11.793 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VD074526.D
Acq: 13 Oct 2022 13:45

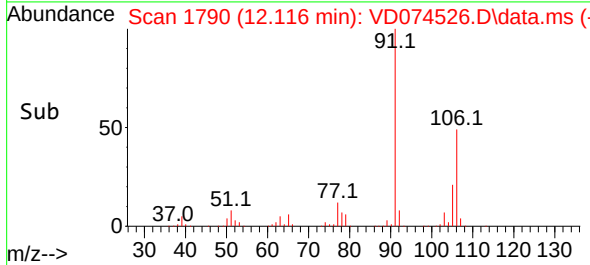
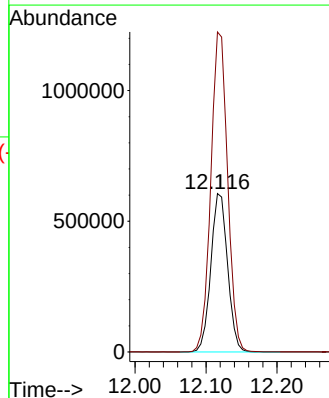
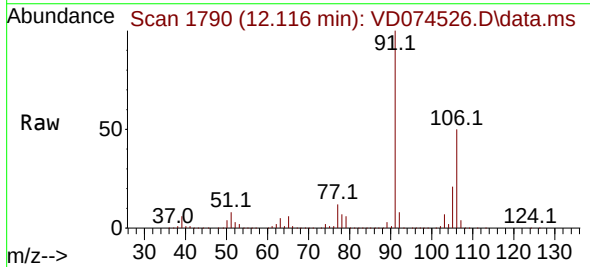
Instrument :
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B-2(25-26)

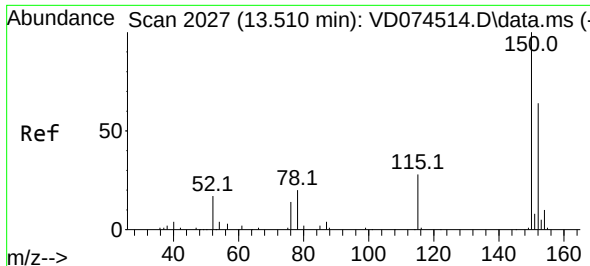
Tgt Ion:106 Resp: 105475
Ion Ratio Lower Upper
106 100
91 198.6 156.2 234.4



#69
o-Xylene
Concen: 455.148 ug/l
RT: 12.116 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VD074526.D
Acq: 13 Oct 2022 13:45

Tgt Ion:106 Resp: 991417
Ion Ratio Lower Upper
106 100
91 202.5 104.5 313.3

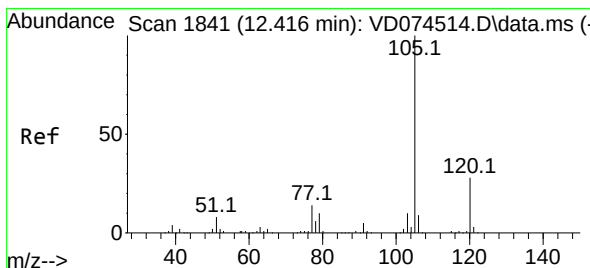
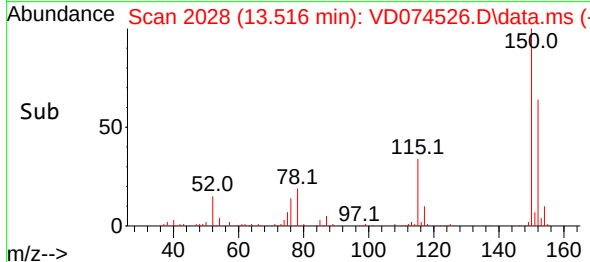
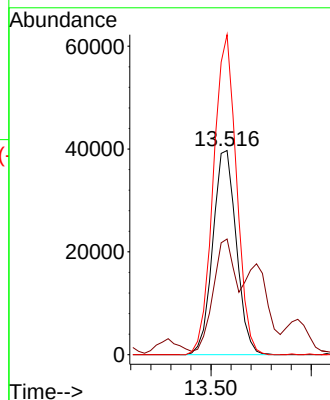
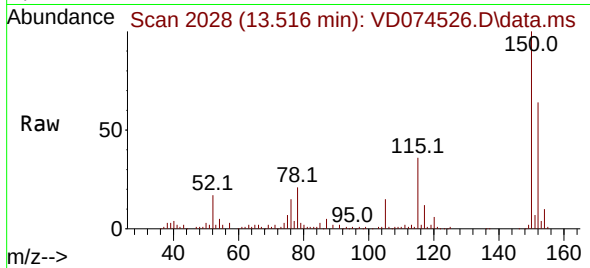




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2027
 Delta R.T. 0.006 min
 Lab File: VD074526.D
 Acq: 13 Oct 2022 13:45

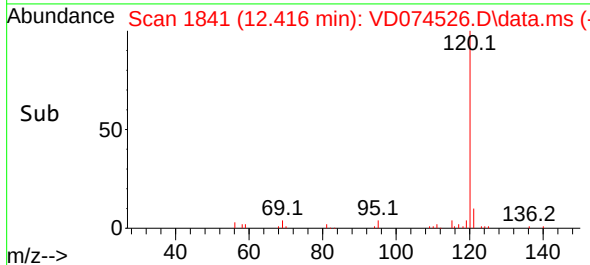
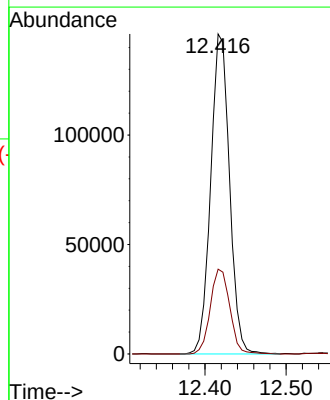
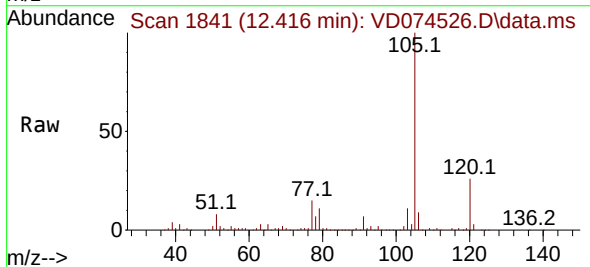
Instrument :
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 ClientSampleId :
 B-2(25-26)

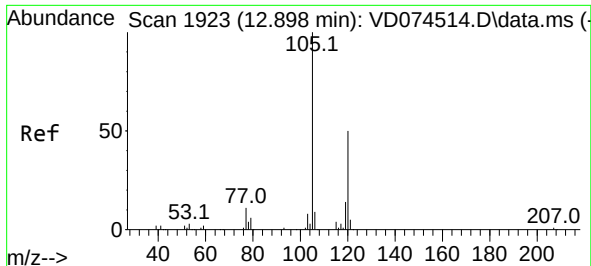
Tgt Ion:152 Resp: 64777
 Ion Ratio Lower Upper
 152 100
 115 52.1 26.8 80.4
 150 153.9 0.0 348.2



#73
 Isopropylbenzene
 Concen: 45.149 ug/l
 RT: 12.416 min Scan# 1841
 Delta R.T. 0.000 min
 Lab File: VD074526.D
 Acq: 13 Oct 2022 13:45

Tgt Ion:105 Resp: 235273
 Ion Ratio Lower Upper
 105 100
 120 27.4 13.5 40.4

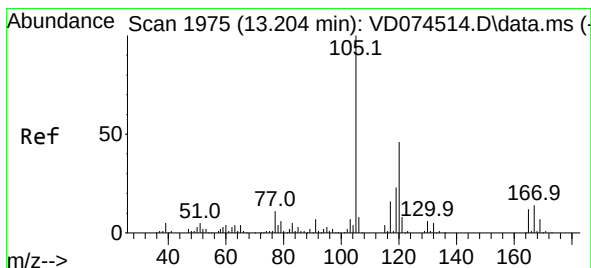
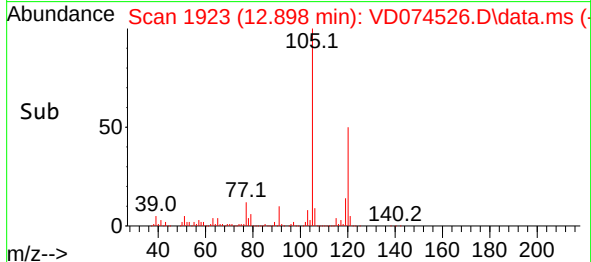
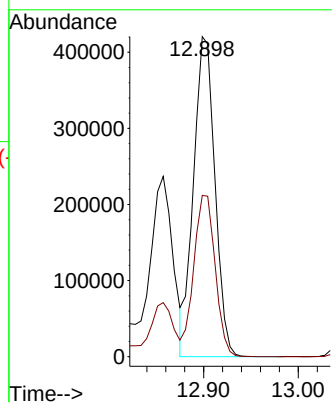
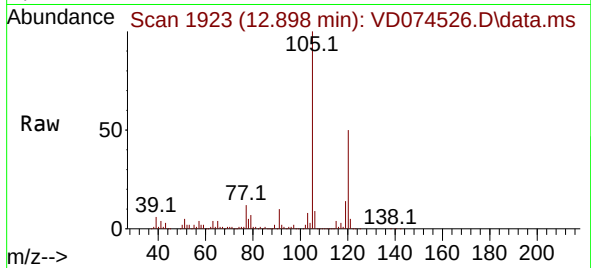




#80
1,3,5-Trimethylbenzene
Concen: 156.084 ug/l
RT: 12.898 min Scan# 1923
Delta R.T. 0.000 min
Lab File: VD074526.D
Acq: 13 Oct 2022 13:45

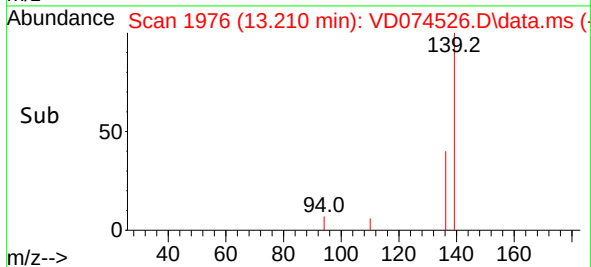
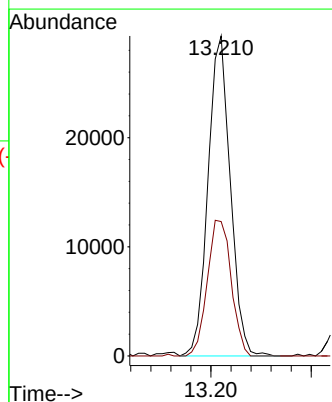
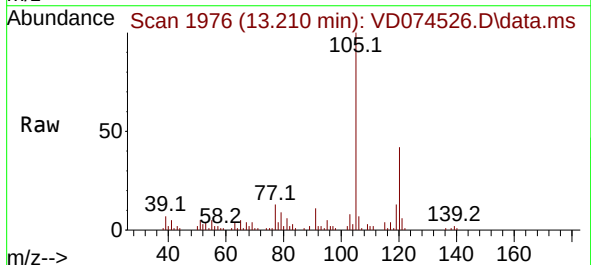
Instrument :
MSVOA_D
ClientSampleId :
B-2(25-26)

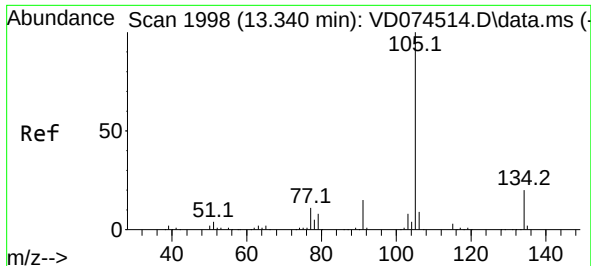
Tgt Ion:105 Resp: 661051
Ion Ratio Lower Upper
105 100
120 50.7 25.7 77.0



#84
1,2,4-Trimethylbenzene
Concen: 10.795 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.006 min
Lab File: VD074526.D
Acq: 13 Oct 2022 13:45

Tgt Ion:105 Resp: 45289
Ion Ratio Lower Upper
105 100
120 45.4 22.9 68.7

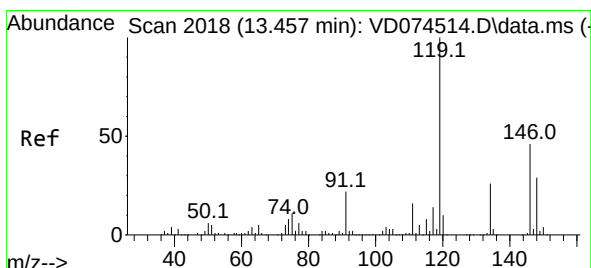
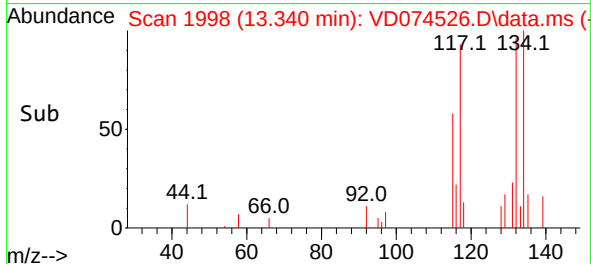
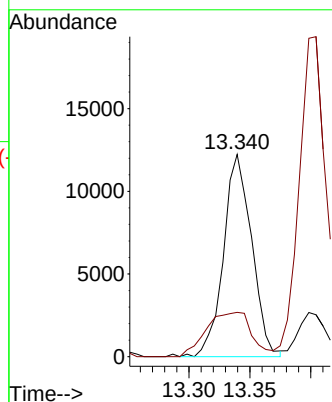
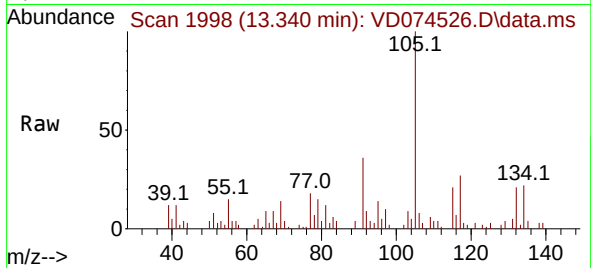




#85
 sec-Butylbenzene
 Concen: 3.490 ug/l
 RT: 13.340 min Scan# 1998
 Delta R.T. 0.001 min
 Lab File: VD074526.D
 Acq: 13 Oct 2022 13:45

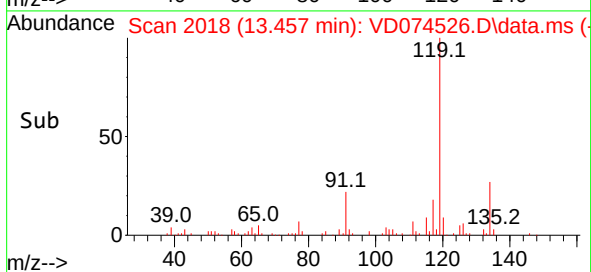
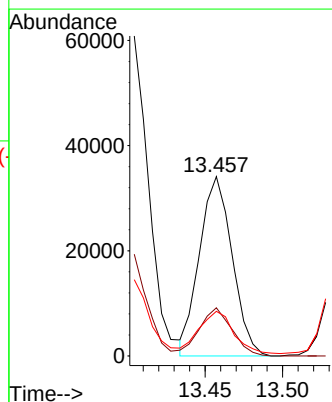
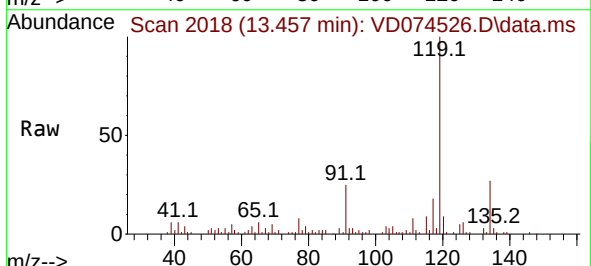
Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(25-26)

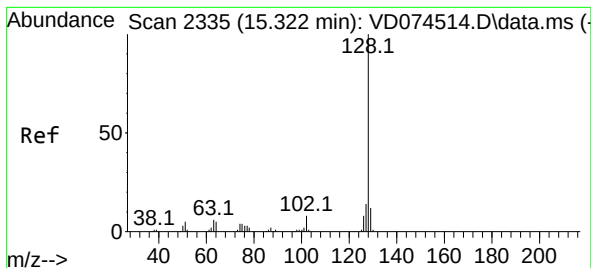
Tgt Ion:105 Resp: 19720
 Ion Ratio Lower Upper
 105 100
 134 35.3 10.0 30.0#



#86
 p-Isopropyltoluene
 Concen: 10.695 ug/l
 RT: 13.457 min Scan# 2018
 Delta R.T. 0.000 min
 Lab File: VD074526.D
 Acq: 13 Oct 2022 13:45

Tgt Ion:119 Resp: 50180
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.5 40.4
 91 24.6 10.8 32.4





#95

Naphthalene

Concen: 124.744 ug/l

RT: 15.328 min Scan# 21

Delta R.T. -0.000 min

Lab File: VD074526.D

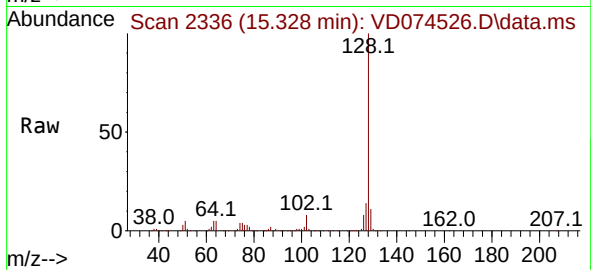
Acq: 13 Oct 2022 13:45

Instrument :

MSVOA_D

ClientSampleId :

B-2(25-26)



Tgt Ion:128 Resp: 320067

Ion Ratio Lower Upper

128 100

127 13.6 10.6 16.0

129 11.5 8.3 12.5

