

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050522\
 Data File : VD072812.D
 Acq On : 05 May 2022 16:13
 Operator : VA/SY
 Sample : N2672-05
 Misc : 6.37G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 05

Quant Time: May 06 03:49:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

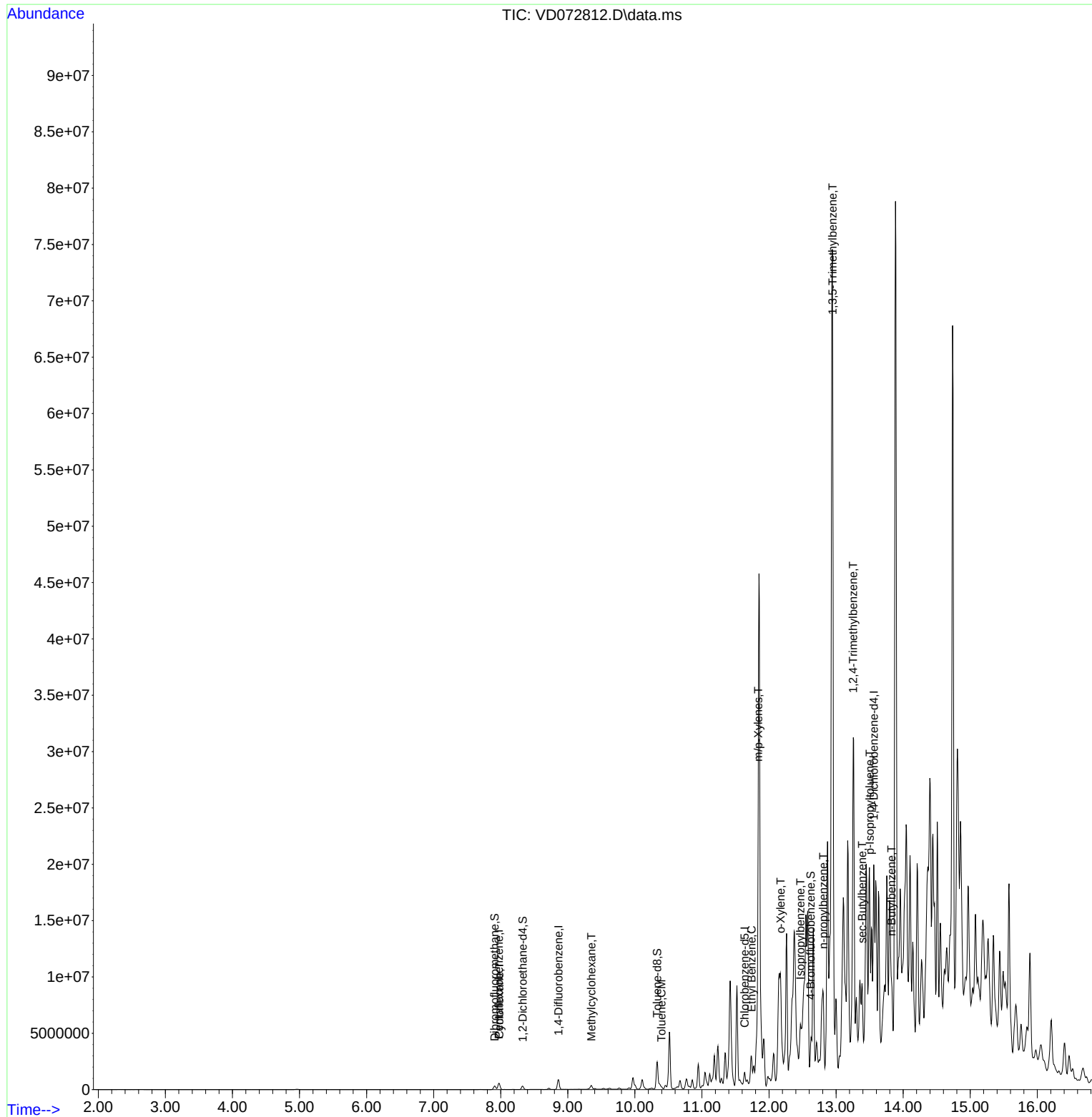
Internal Standards						
1) Pentafluorobenzene	7.973	168	400972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	753907	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	694334	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	347076	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	240429	46.193	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.380%
35) Dibromofluoromethane	7.909	113	234695	44.326	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.660%
50) Toluene-d8	10.332	98	980197	51.609	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.220%
62) 4-Bromofluorobenzene	12.620	95	443427	62.614	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	125.220%
Target Compounds						
					Qvalue	
31) Cyclohexane	7.979	56	13579	1.492	ug/l	# 16
39) Methylcyclohexane	9.350	83	125550	12.572	ug/l	97
52) Toluene	10.397	92	76526	4.934	ug/l	94
67) Ethyl Benzene	11.738	91	1609079	57.895	ug/l	100
68) m/p-Xylenes	11.838	106	2126948	198.671	ug/l	98
69) o-Xylene	12.173	106	1716546	171.678	ug/l	99
73) Isopropylbenzene	12.467	105	1535292	56.855	ug/l	99
78) n-propylbenzene	12.808	91	4488106	131.873	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	5461635	238.529	ug/l	100
84) 1,2,4-Trimethylbenzene	13.255	105	14655886	640.355	ug/l	90
85) sec-Butylbenzene	13.391	105	2533509	86.290	ug/l	86
86) p-Isopropyltoluene	13.502	119	1632762	67.828	ug/l	99
89) n-Butylbenzene	13.826	91	3733987	160.127	ug/l	# 72

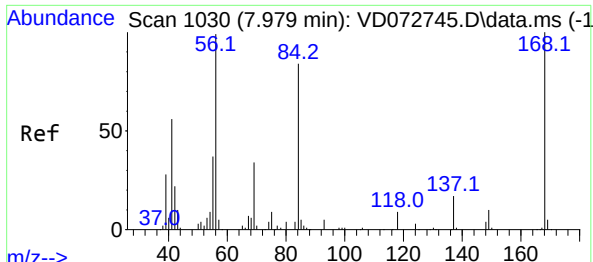
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD072812.D

Acq: 05 May 2022 16:13

Instrument :

MSVOA_D

ClientSampleId :

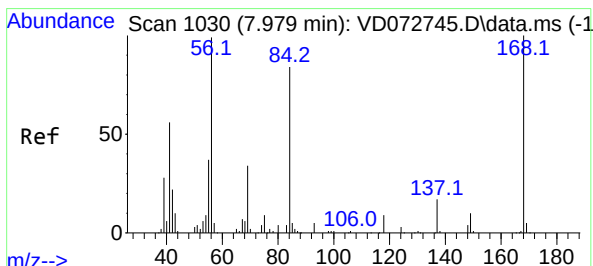
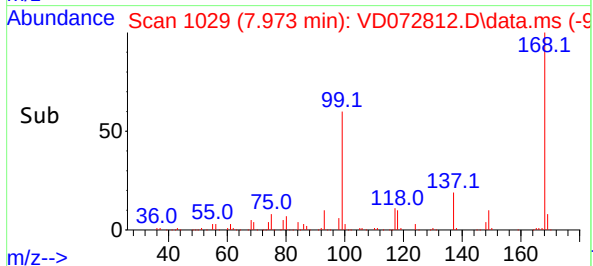
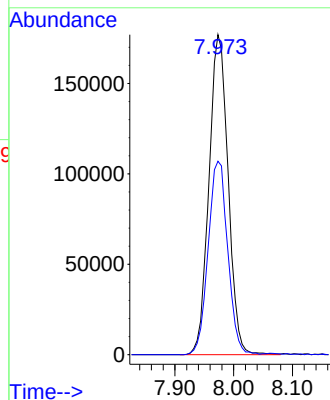
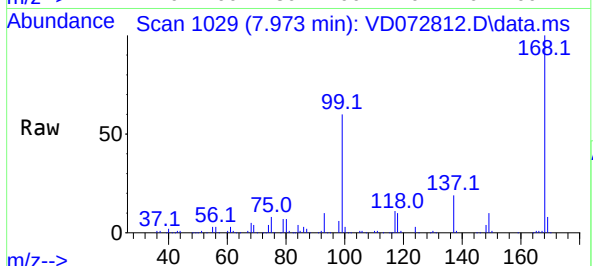
05

Tgt Ion:168 Resp: 400972

Ion Ratio Lower Upper

168 100

99 60.4 49.8 74.6



#31

Cyclohexane

Concen: 1.492 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD072812.D

Acq: 05 May 2022 16:13

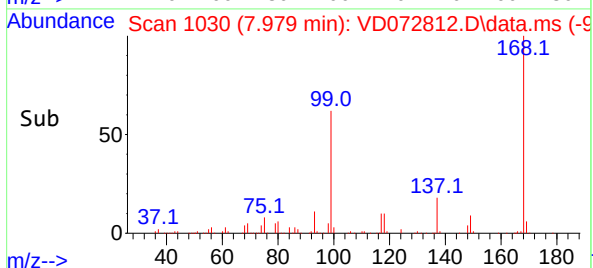
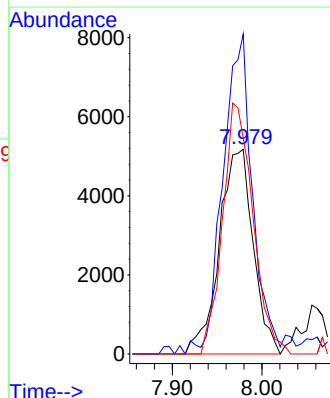
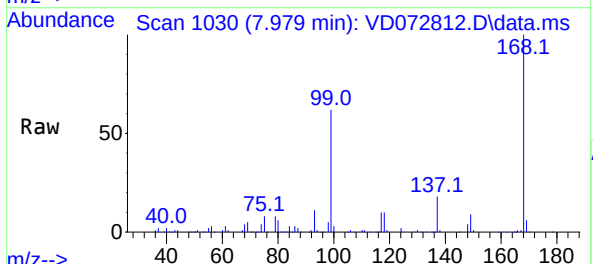
Tgt Ion: 56 Resp: 13579

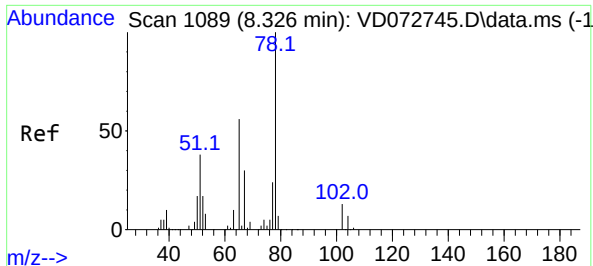
Ion Ratio Lower Upper

56 100

69 152.8 25.4 38.2#

84 105.4 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 46.193 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072812.D

Acq: 05 May 2022 16:13

Instrument :

MSVOA_D

ClientSampleId :

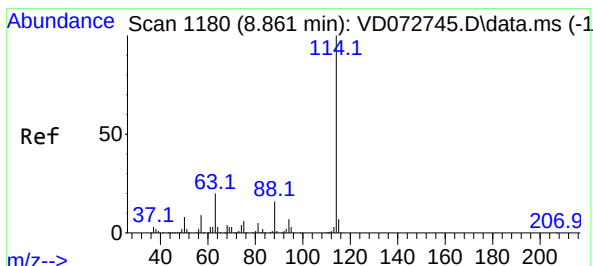
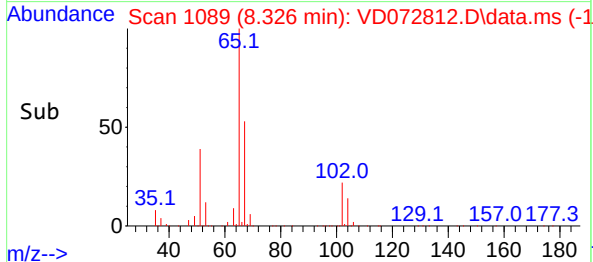
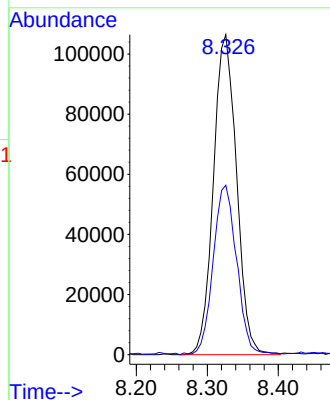
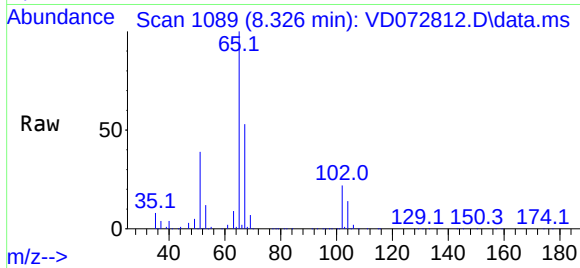
05

Tgt Ion: 65 Resp: 240429

Ion Ratio Lower Upper

65 100

67 53.9 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072812.D

Acq: 05 May 2022 16:13

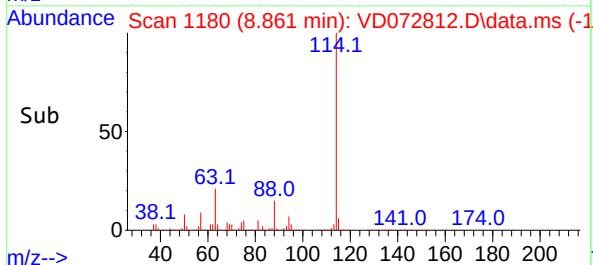
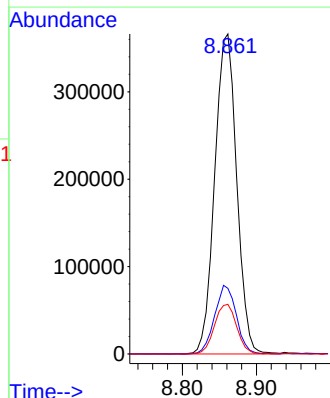
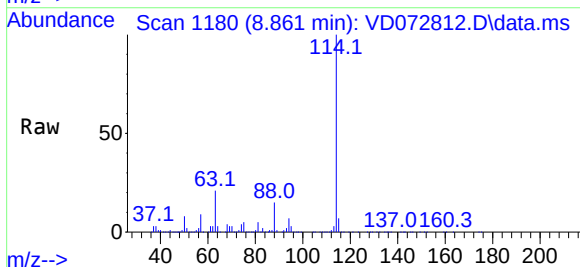
Tgt Ion: 114 Resp: 753907

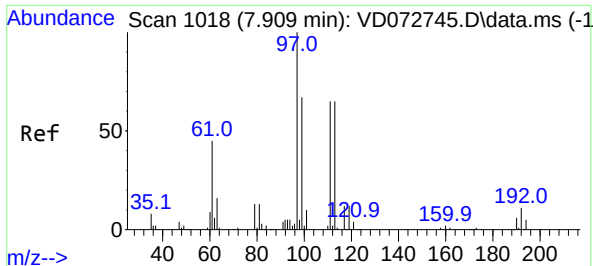
Ion Ratio Lower Upper

114 100

63 20.5 0.0 46.6

88 15.5 0.0 33.2





#35

Dibromofluoromethane

Concen: 44.326 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD072812.D

Acq: 05 May 2022 16:13

Instrument :

MSVOA_D

ClientSampleId :

05

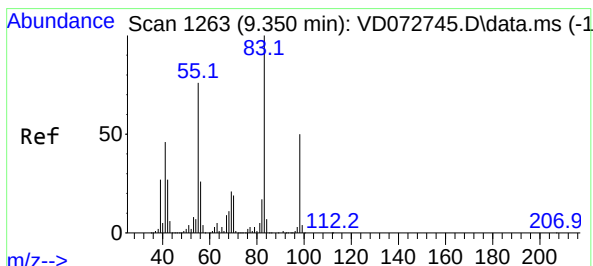
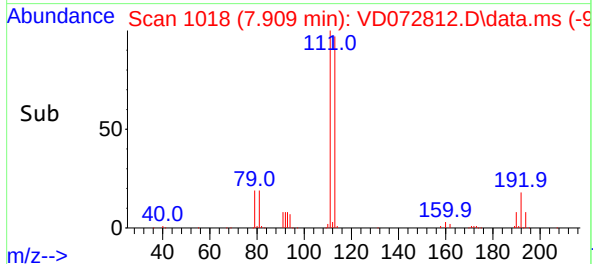
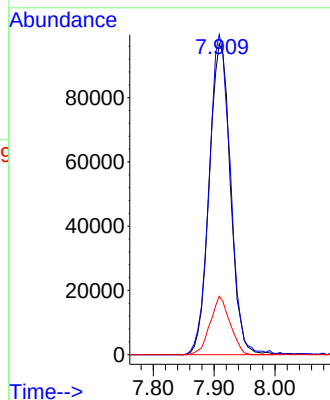
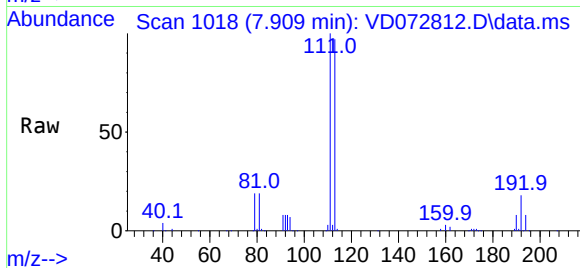
Tgt Ion:113 Resp: 234695

Ion Ratio Lower Upper

113 100

111 103.1 83.8 125.6

192 17.5 14.6 21.8



#39

Methylcyclohexane

Concen: 12.572 ug/l

RT: 9.350 min Scan# 1263

Delta R.T. -0.000 min

Lab File: VD072812.D

Acq: 05 May 2022 16:13

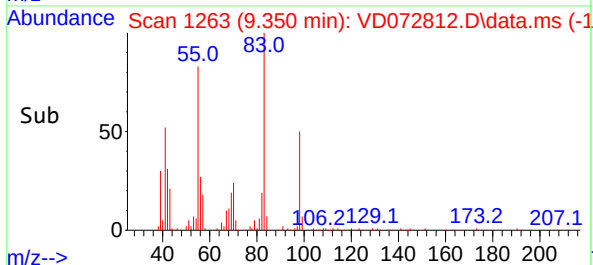
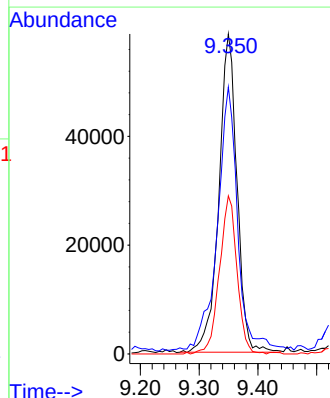
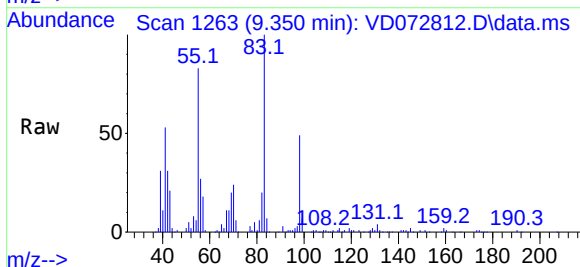
Tgt Ion: 83 Resp: 125550

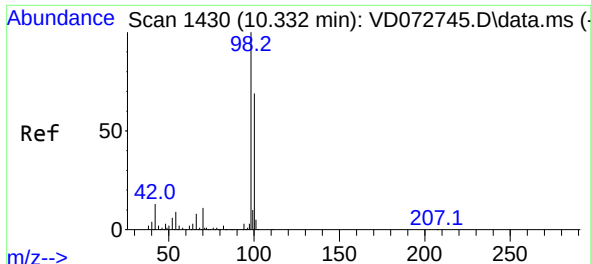
Ion Ratio Lower Upper

83 100

55 82.0 63.2 94.8

98 49.7 38.2 57.4

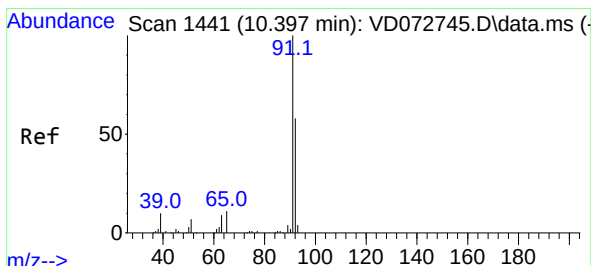
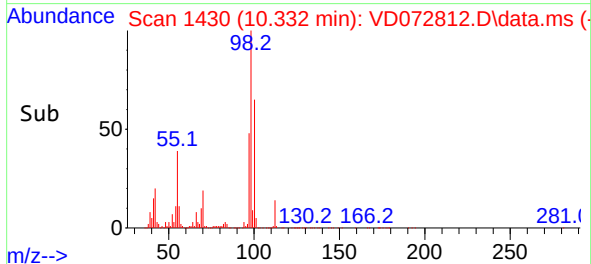
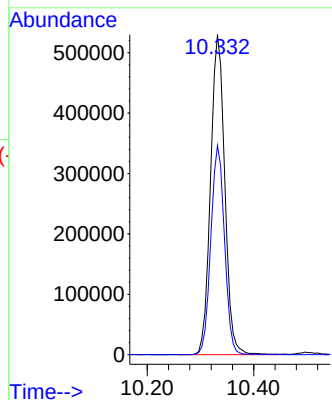
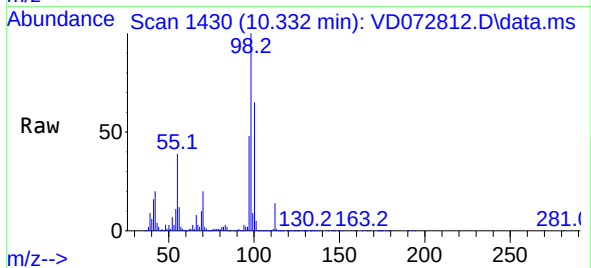




#50
Toluene-d8
Concen: 51.609 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072812.D
Acq: 05 May 2022 16:13

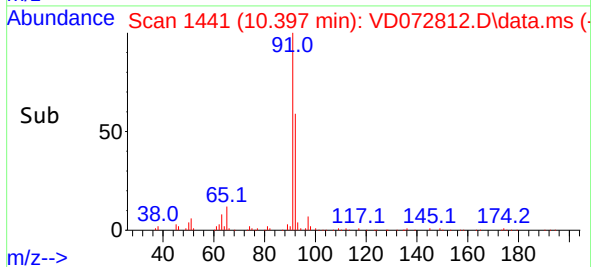
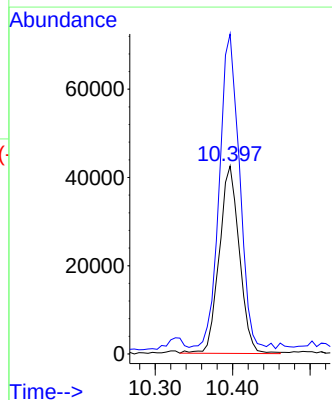
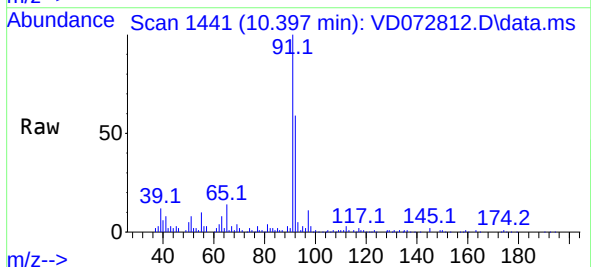
Instrument :
MSVOA_D
ClientSampleId :
05

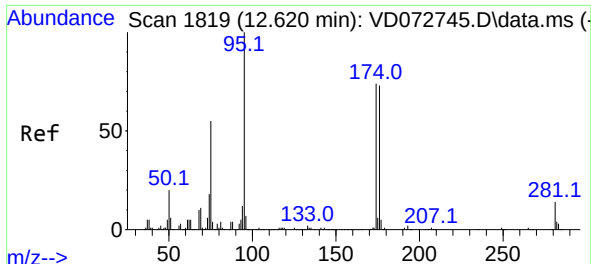
Tgt Ion: 98 Resp: 980197
Ion Ratio Lower Upper
98 100
100 62.8 52.4 78.6



#52
Toluene
Concen: 4.934 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VD072812.D
Acq: 05 May 2022 16:13

Tgt Ion: 92 Resp: 76526
Ion Ratio Lower Upper
92 100
91 166.6 139.6 209.4

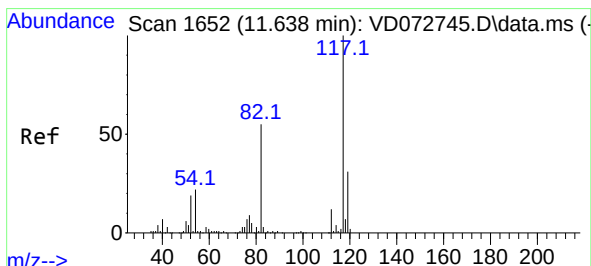
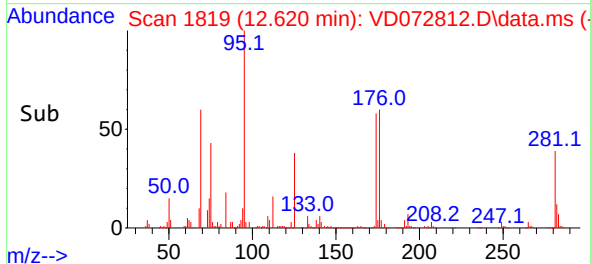
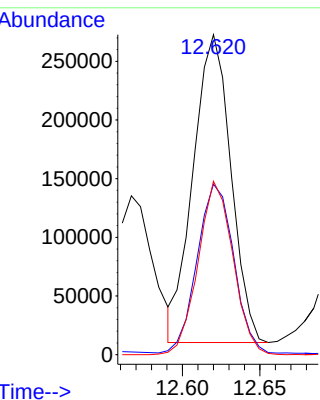
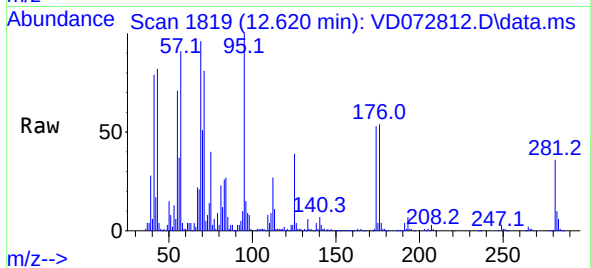




#62
4-Bromofluorobenzene
Concen: 62.614 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072812.D
Acq: 05 May 2022 16:13

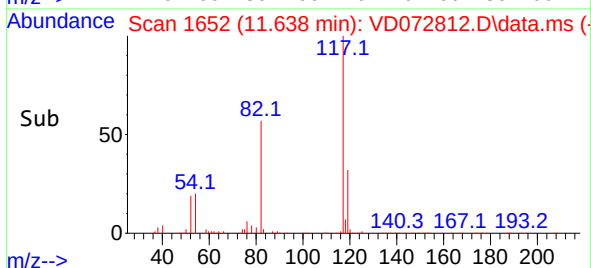
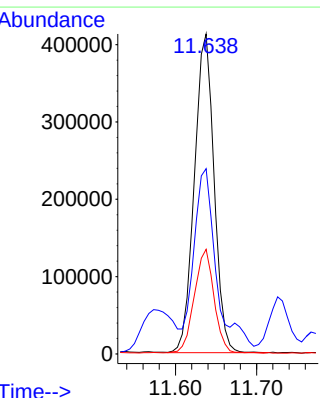
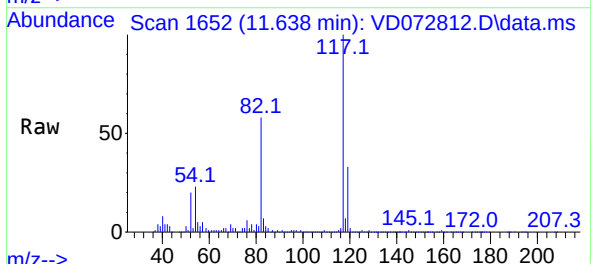
Instrument :
MSVOA_D
ClientSampleId :
05

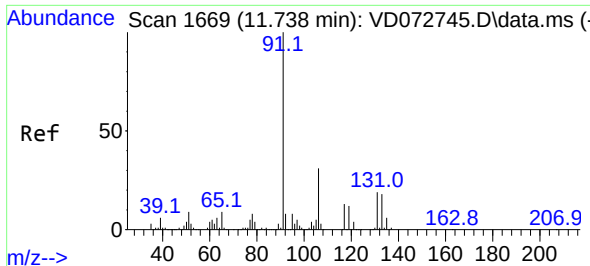
Tgt Ion: 95 Resp: 443427
Ion Ratio Lower Upper
95 100
174 53.6 0.0 152.8
176 52.1 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072812.D
Acq: 05 May 2022 16:13

Tgt Ion: 117 Resp: 694334
Ion Ratio Lower Upper
117 100
82 48.5 45.3 67.9
119 32.4 26.6 40.0

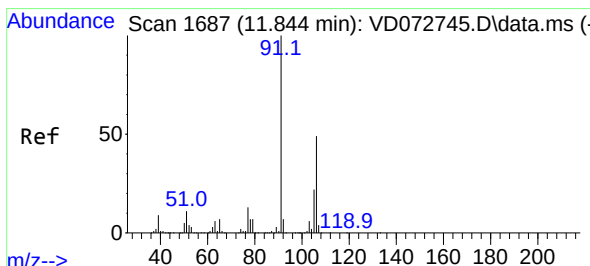
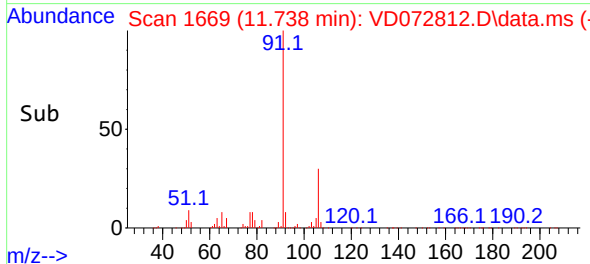
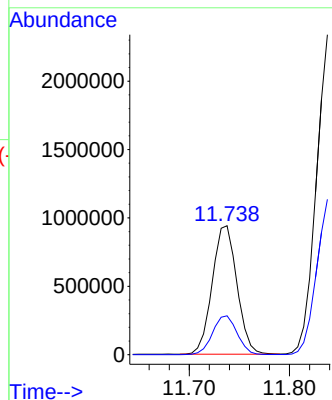
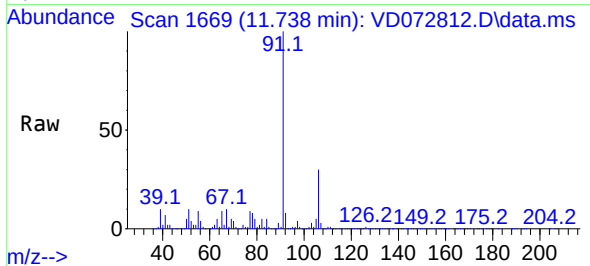




#67
Ethyl Benzene
Concen: 57.895 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD072812.D
Acq: 05 May 2022 16:13

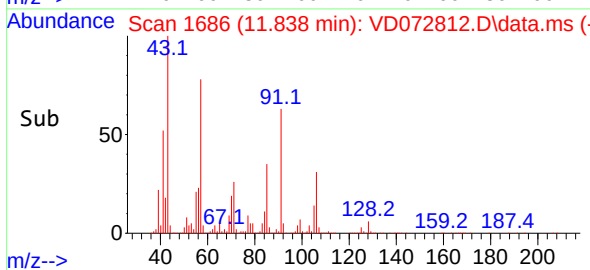
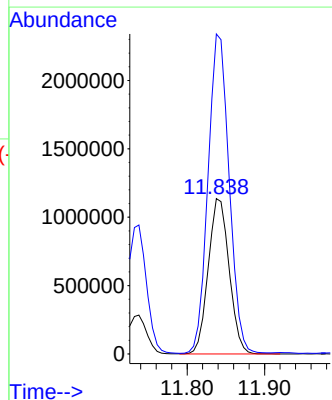
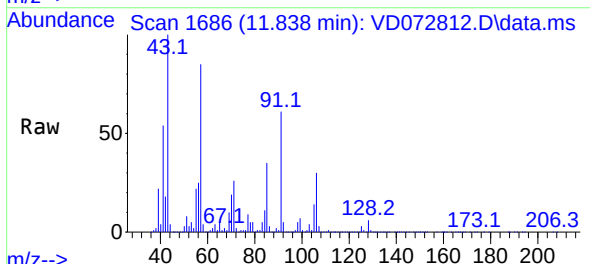
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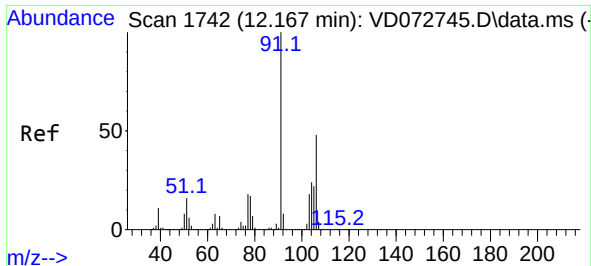
Tgt Ion: 91 Resp: 1609079
Ion Ratio Lower Upper
91 100
106 30.2 24.2 36.4



#68
m/p-Xylenes
Concen: 198.671 ug/l
RT: 11.838 min Scan# 1686
Delta R.T. -0.006 min
Lab File: VD072812.D
Acq: 05 May 2022 16:13

Tgt Ion: 106 Resp: 2126948
Ion Ratio Lower Upper
106 100
91 207.2 163.7 245.5

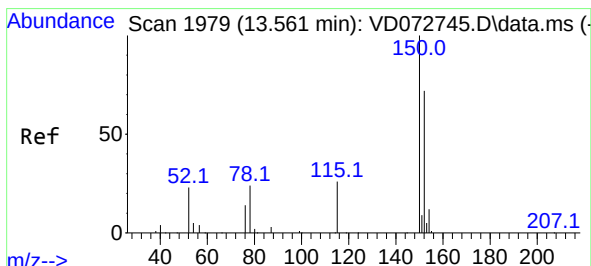
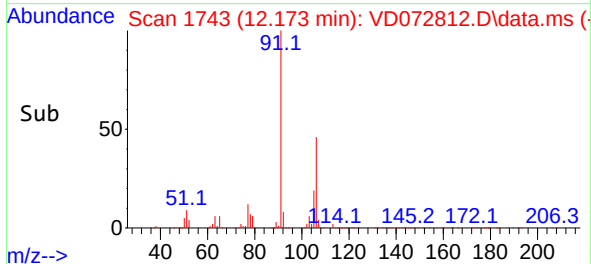
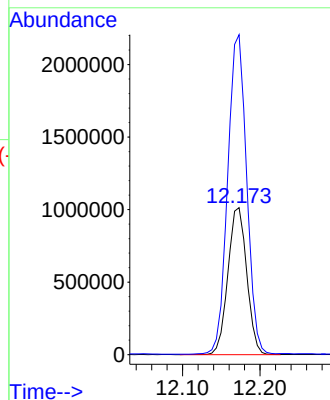
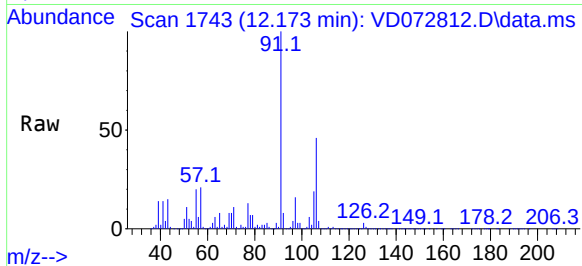




#69
o-Xylene
Concen: 171.678 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. 0.006 min
Lab File: VD072812.D
Acq: 05 May 2022 16:13

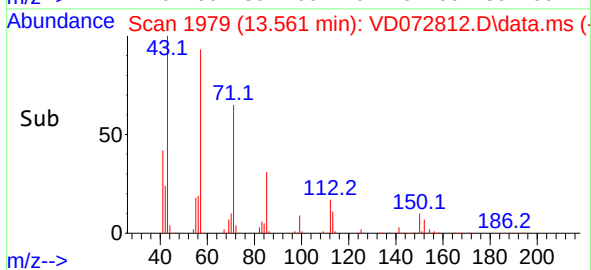
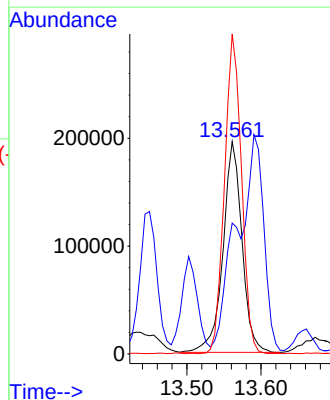
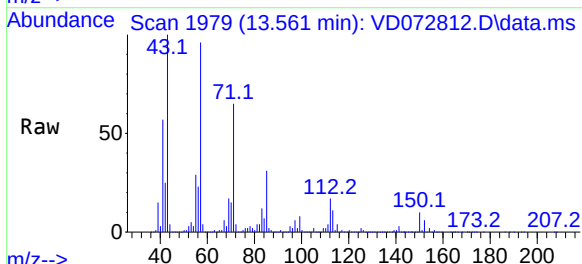
Instrument :
MSVOA_D
ClientSampleId :
05

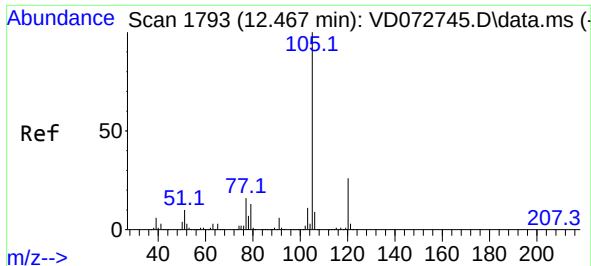
Tgt Ion:106 Resp: 1716546
Ion Ratio Lower Upper
106 100
91 219.1 110.4 331.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD072812.D
Acq: 05 May 2022 16:13

Tgt Ion:152 Resp: 347076
Ion Ratio Lower Upper
152 100
115 0.0 31.3 93.8#
150 136.1 0.0 348.6

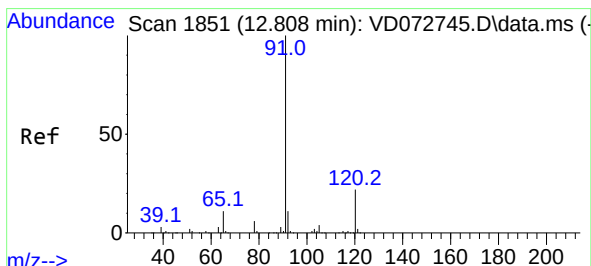
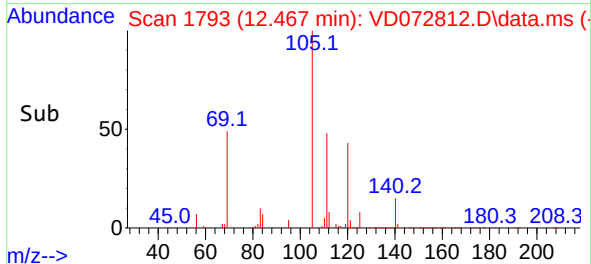
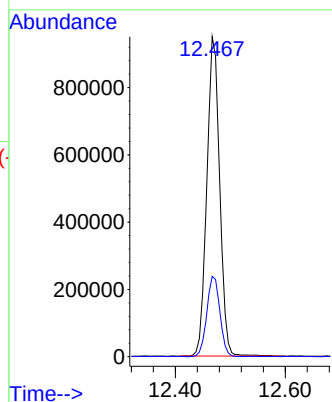
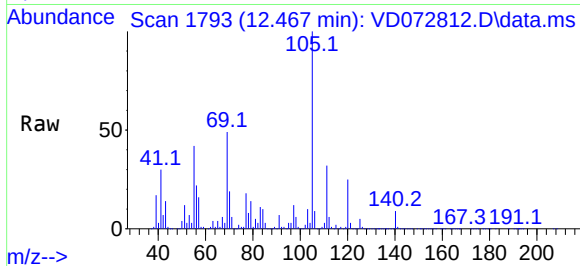




#73
Isopropylbenzene
Concen: 56.855 ug/l
RT: 12.467 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD072812.D
Acq: 05 May 2022 16:13

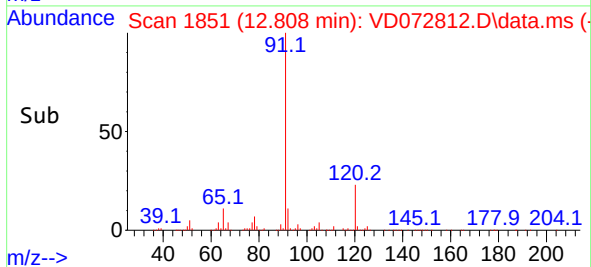
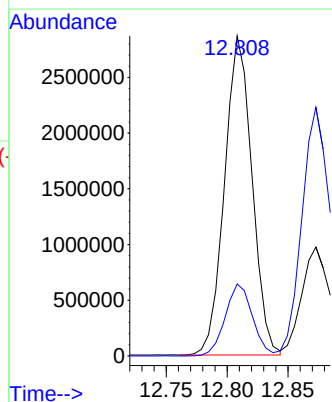
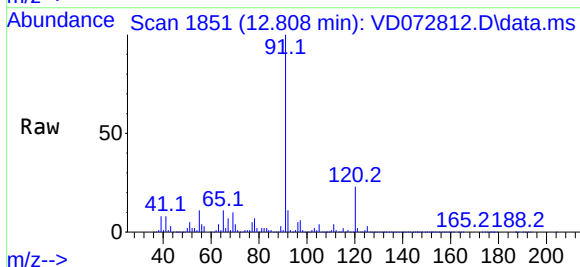
Instrument :
MSVOA_D
ClientSampleId :
05

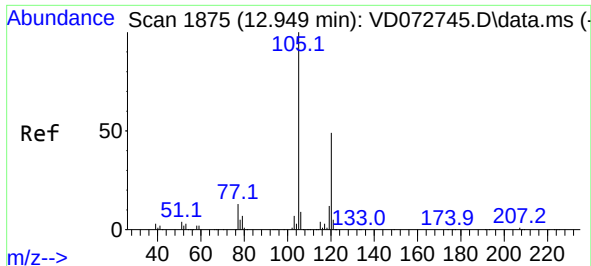
Tgt Ion:105 Resp: 1535292
Ion Ratio Lower Upper
105 100
120 25.6 13.0 38.9



#78
n-propylbenzene
Concen: 131.873 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VD072812.D
Acq: 05 May 2022 16:13

Tgt Ion: 91 Resp: 4488106
Ion Ratio Lower Upper
91 100
120 22.3 10.9 32.9

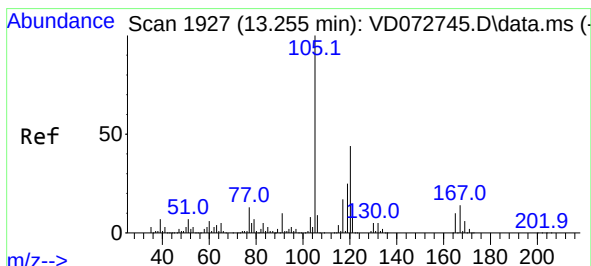
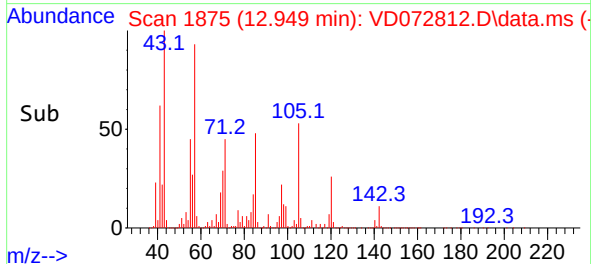
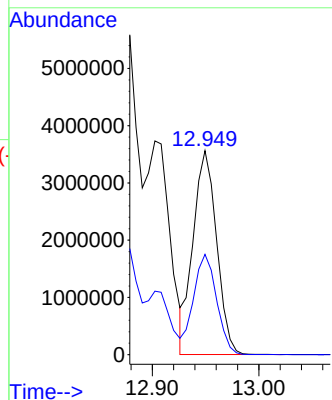
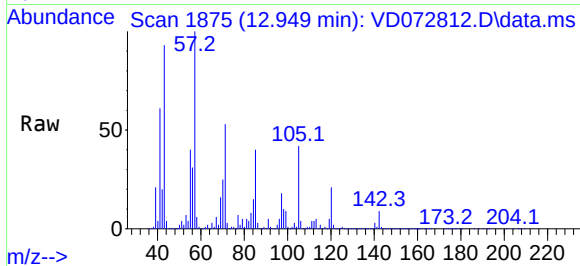




#80
1,3,5-Trimethylbenzene
Concen: 238.529 ug/l
RT: 12.949 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD072812.D
Acq: 05 May 2022 16:13

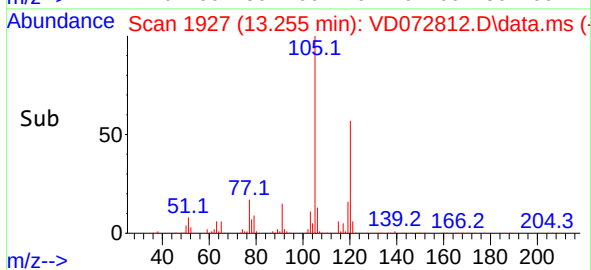
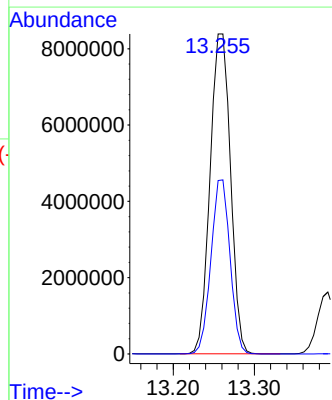
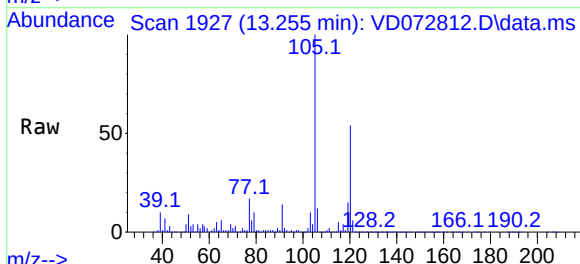
Instrument :
MSVOA_D
ClientSampleId :
05

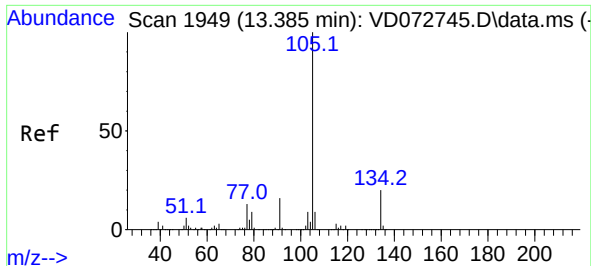
Tgt Ion:105 Resp: 5461635
Ion Ratio Lower Upper
105 100
120 48.6 24.3 72.8



#84
1,2,4-Trimethylbenzene
Concen: 640.355 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD072812.D
Acq: 05 May 2022 16:13

Tgt Ion:105 Resp:14655886
Ion Ratio Lower Upper
105 100
120 50.8 22.3 66.8

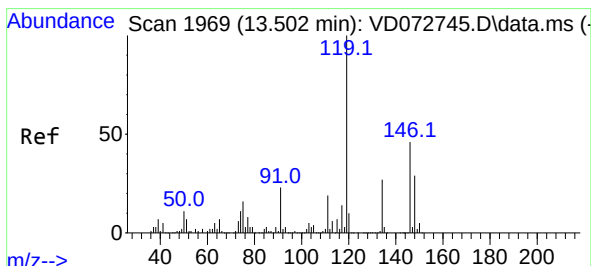
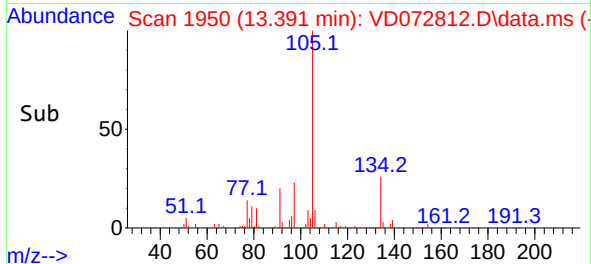
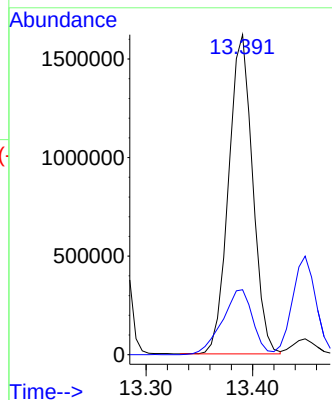
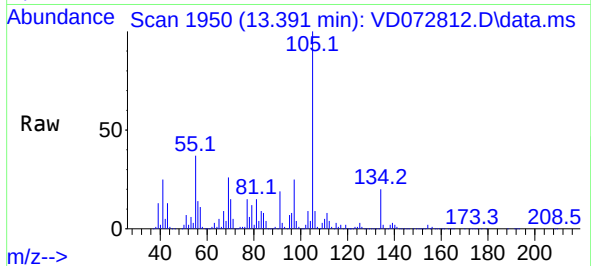




#85
sec-Butylbenzene
Concen: 86.290 ug/l
RT: 13.391 min Scan# 1950
Delta R.T. 0.006 min
Lab File: VD072812.D
Acq: 05 May 2022 16:13

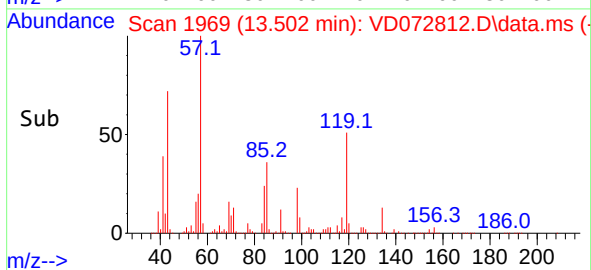
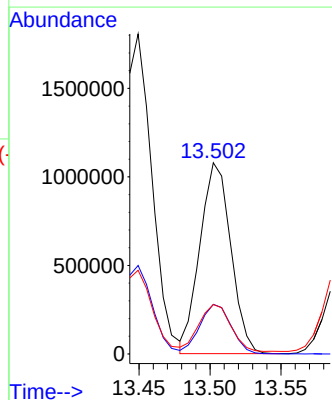
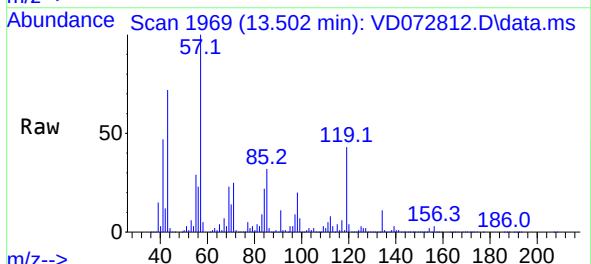
Instrument :
MSVOA_D
ClientSampleId :
05

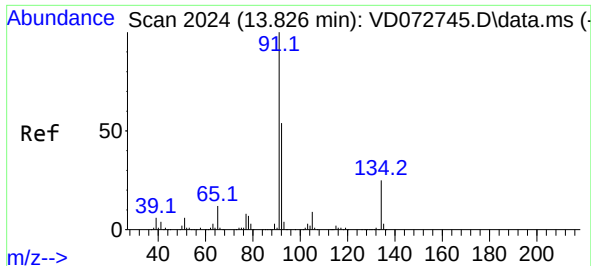
Tgt Ion:105 Resp: 2533509
Ion Ratio Lower Upper
105 100
134 25.9 9.8 29.3



#86
p-Isopropyltoluene
Concen: 67.828 ug/l
RT: 13.502 min Scan# 1969
Delta R.T. 0.000 min
Lab File: VD072812.D
Acq: 05 May 2022 16:13

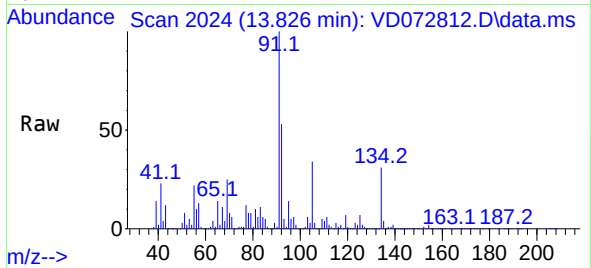
Tgt Ion:119 Resp: 1632762
Ion Ratio Lower Upper
119 100
134 26.3 12.9 38.6
91 25.0 12.1 36.3





#89
 n-Butylbenzene
 Concen: 160.127 ug/l
 RT: 13.826 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VD072812.D
 Acq: 05 May 2022 16:13

Instrument :
 MSVOA_D
 ClientSampleId :
 05



Tgt Ion: 91 Resp: 3733987

Ion	Ratio	Lower	Upper
91	100		
92	39.9	26.6	79.8
134	0.0	12.3	36.9#

