

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052722\
 Data File : VD073420.D
 Acq On : 27 May 2022 19:33
 Operator : VA/SY
 Sample : N3104-04
 Misc : 5.29G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-7

Quant Time: May 28 09:47:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

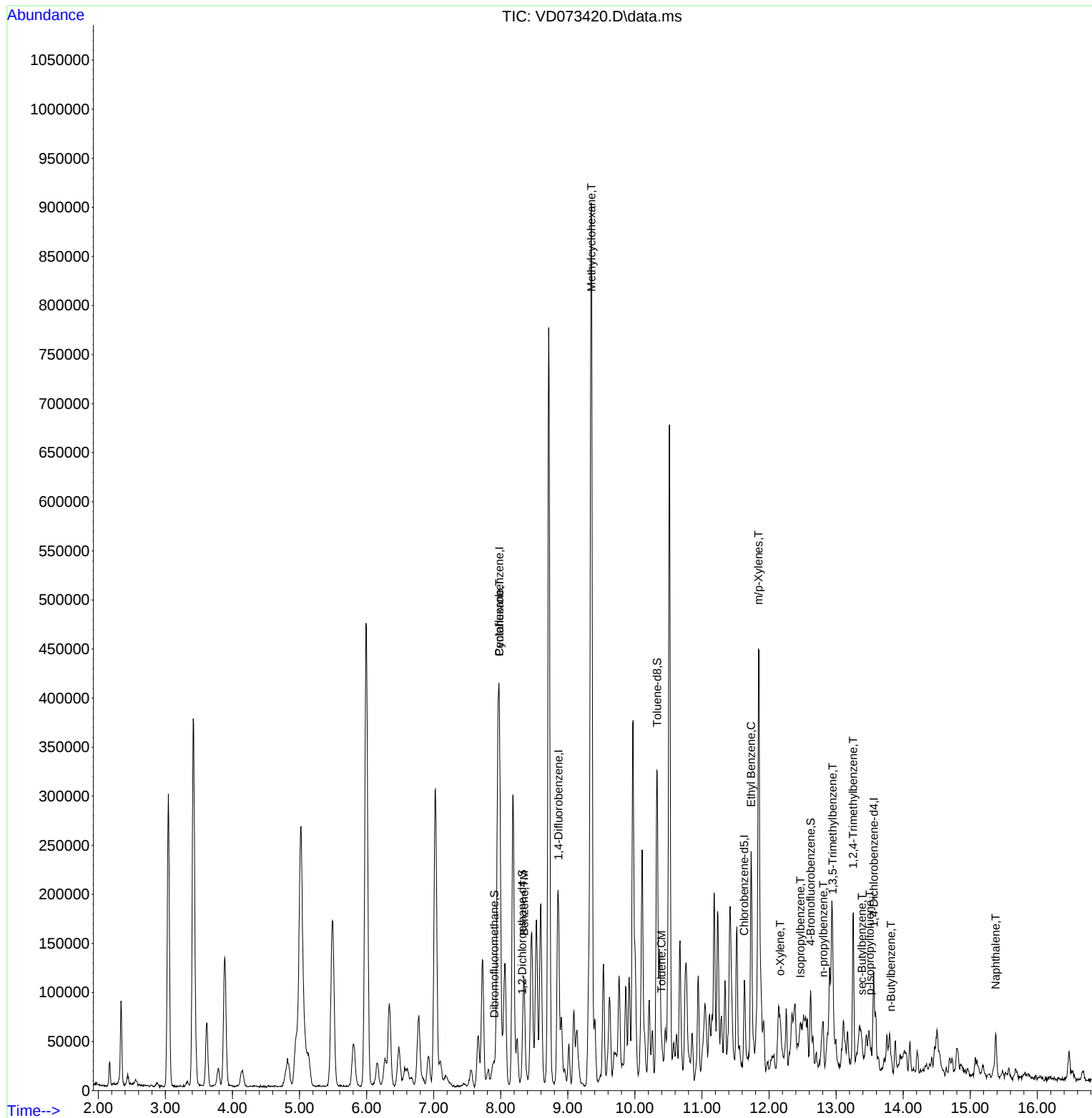
Internal Standards						
1) Pentafluorobenzene	7.979	168	21541	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	38074	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	42233	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	22886	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	16612	69.781	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 139.560%	
35) Dibromofluoromethane	7.903	113	12472	49.642	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.280%	
50) Toluene-d8	10.332	98	59336	64.069	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 128.140%	
62) 4-Bromofluorobenzene	12.620	95	24425	75.150	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 150.300%#	
Target Compounds						
						Qvalue
31) Cyclohexane	7.979	56	214046	514.519	ug/l	93
39) Methylcyclohexane	9.350	83	378302	898.357	ug/l	98
40) Benzene	8.350	78	98338	90.302	ug/l	98
52) Toluene	10.397	92	12306	17.883	ug/l	94
67) Ethyl Benzene	11.732	91	132955	87.417	ug/l	95
68) m/p-Xylenes	11.844	106	72420	122.558	ug/l	98
69) o-Xylene	12.167	106	9526	17.549	ug/l	94
73) Isopropylbenzene	12.467	105	16636	10.197	ug/l	95
78) n-propylbenzene	12.808	91	34589	16.887	ug/l	95
80) 1,3,5-Trimethylbenzene	12.949	105	34036	24.627	ug/l	100
84) 1,2,4-Trimethylbenzene	13.255	105	89046	65.219	ug/l	100
85) sec-Butylbenzene	13.385	105	4336	2.438	ug/l #	59
86) p-Isopropyltoluene	13.502	119	4044	2.789	ug/l #	74
89) n-Butylbenzene	13.820	91	4719	3.416	ug/l #	82
95) Naphthalene	15.379	128	42012	55.664	ug/l	98

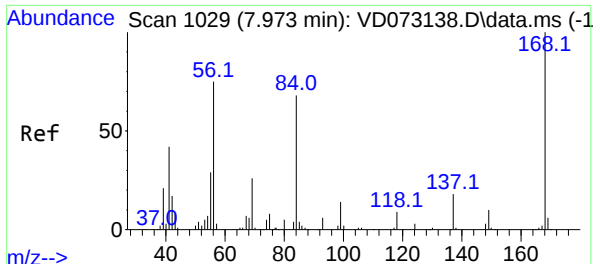
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 20 Sample Multiplier: 1

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260
QLast Update : Thu May 19 15:13:42 2022
Response via : Initial Calibration





Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.006 min

Lab File: VD073420.D

Acq: 27 May 2022 19:33

Instrument :

MSVOA_D

ClientSampleId :

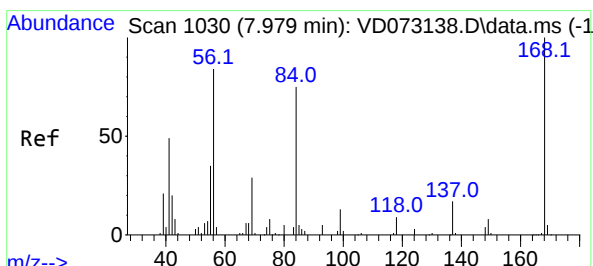
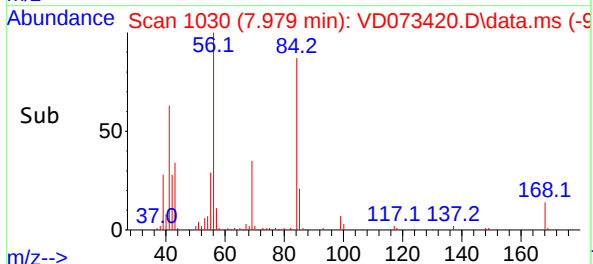
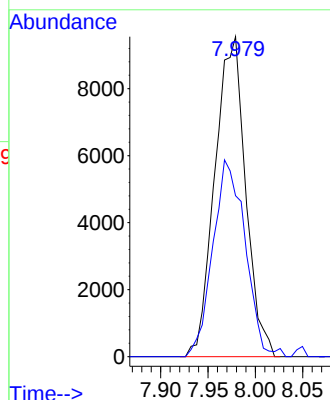
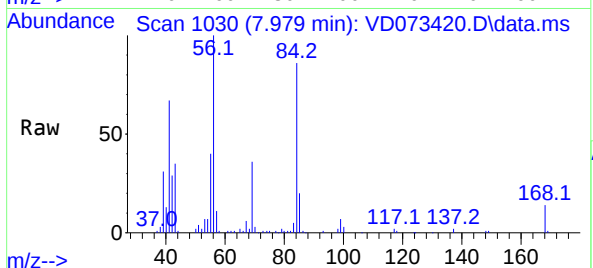
WC-7

Tgt Ion:168 Resp: 21541

Ion Ratio Lower Upper

168 100

99 50.3 49.8 74.6



Cyclohexane

Concen: 514.519 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD073420.D

Acq: 27 May 2022 19:33

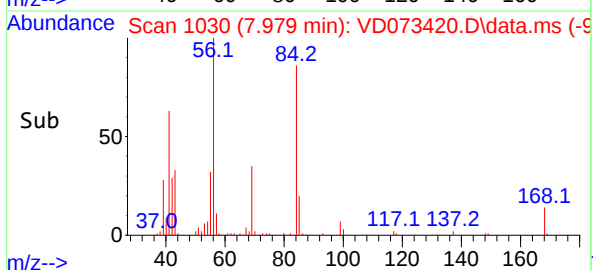
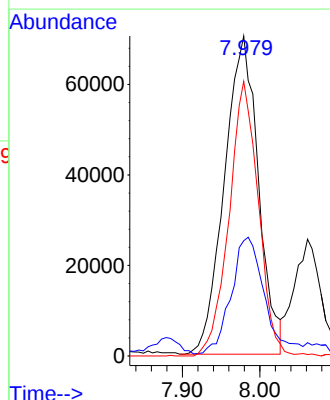
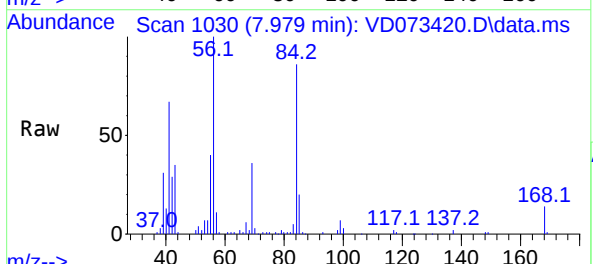
Tgt Ion: 56 Resp: 214046

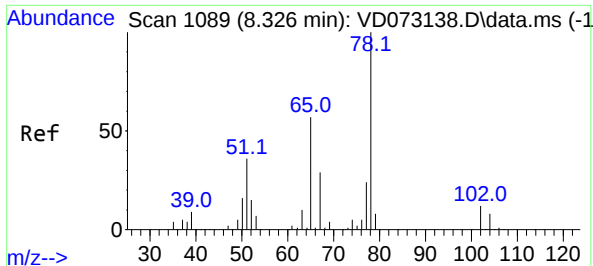
Ion Ratio Lower Upper

56 100

69 32.6 25.4 38.2

84 86.3 63.0 94.4

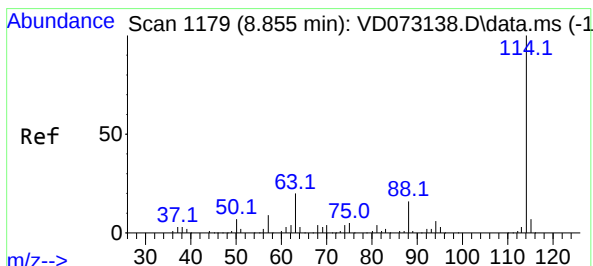
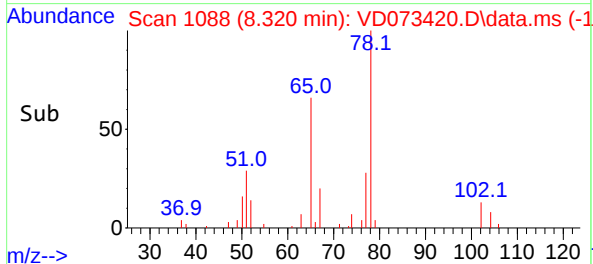
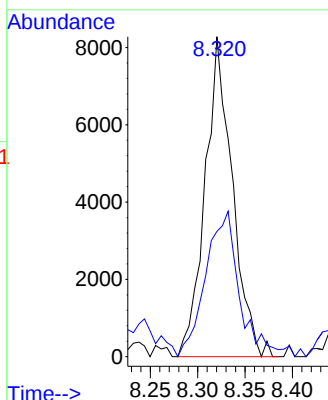
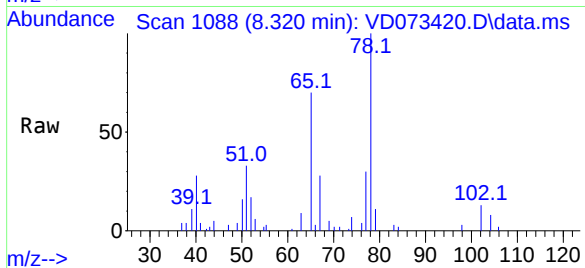




#33
1,2-Dichloroethane-d4
Concen: 69.781 ug/l
RT: 8.320 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD073420.D
Acq: 27 May 2022 19:33

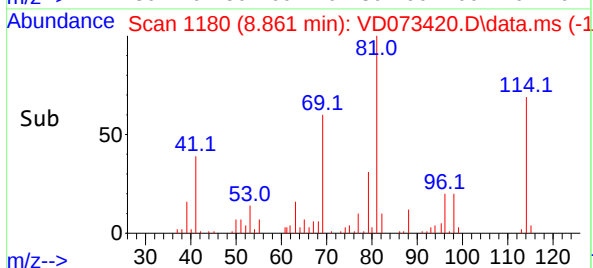
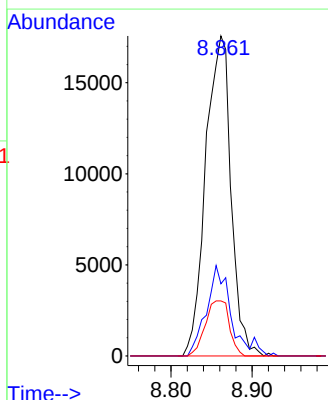
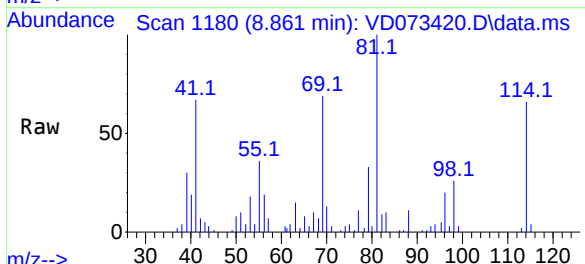
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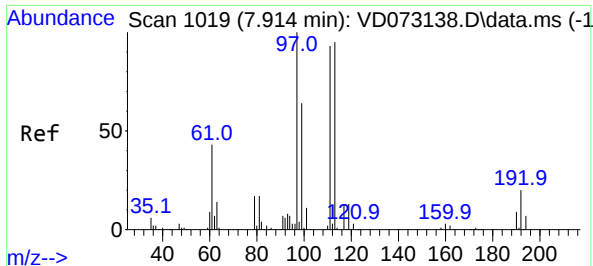
Tgt Ion: 65 Resp: 16612
Ion Ratio Lower Upper
65 100
67 56.8 0.0 101.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.006 min
Lab File: VD073420.D
Acq: 27 May 2022 19:33

Tgt Ion: 114 Resp: 38074
Ion Ratio Lower Upper
114 100
63 22.5 0.0 46.6
88 17.2 0.0 33.2

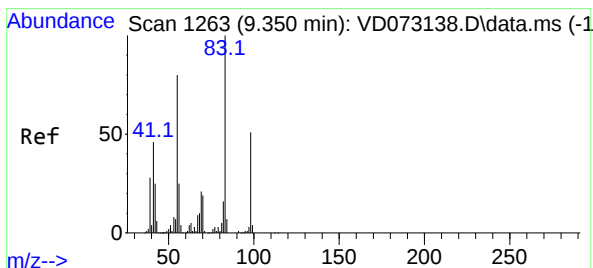
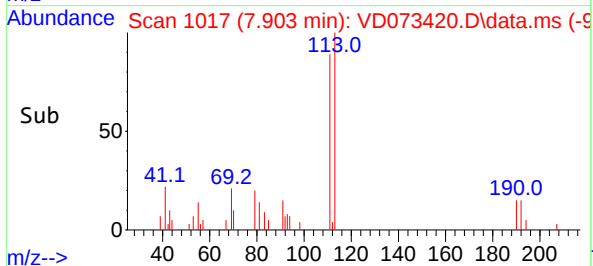
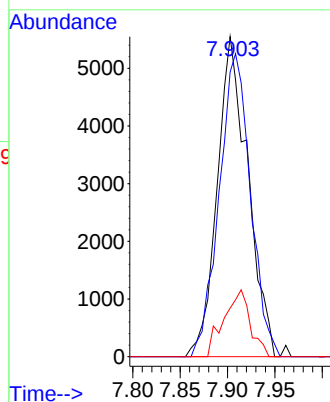
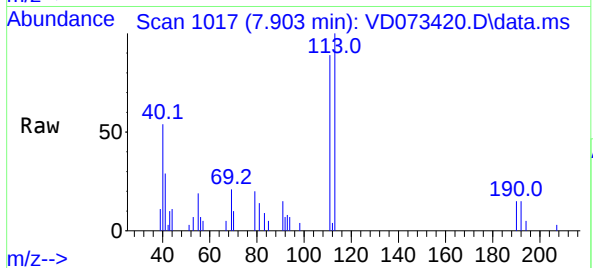




#35
Dibromofluoromethane
Concen: 49.642 ug/l
RT: 7.903 min Scan# 1019
Delta R.T. -0.011 min
Lab File: VD073420.D
Acq: 27 May 2022 19:33

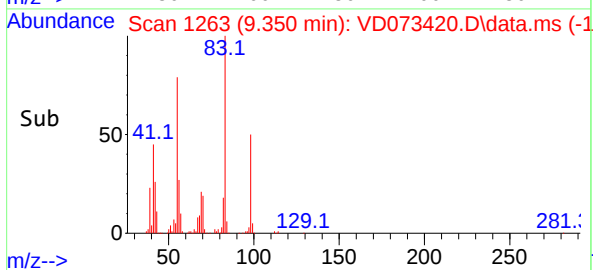
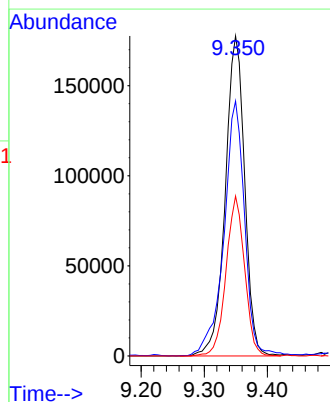
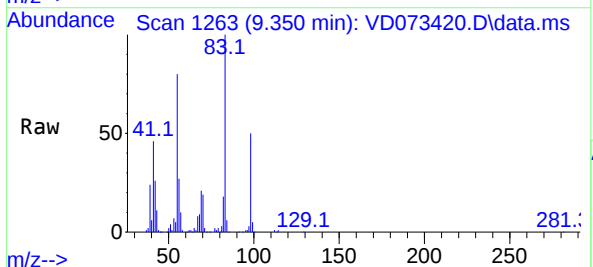
Instrument :
MSVOA_D
ClientSampleId :
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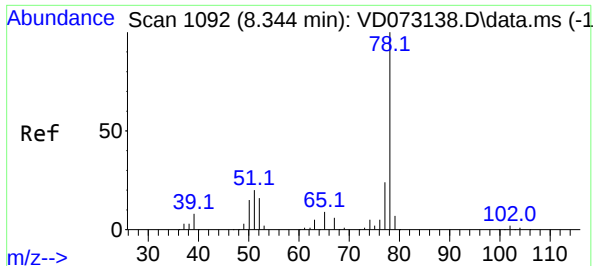
Tgt Ion:	113	Resp:	12472
Ion	Ratio	Lower	Upper
113	100		
111	96.9	83.8	125.6
192	18.0	14.6	21.8



#39
Methylcyclohexane
Concen: 898.357 ug/l
RT: 9.350 min Scan# 1263
Delta R.T. -0.000 min
Lab File: VD073420.D
Acq: 27 May 2022 19:33

Tgt Ion:	83	Resp:	378302
Ion	Ratio	Lower	Upper
83	100		
55	79.6	63.2	94.8
98	49.9	38.2	57.4

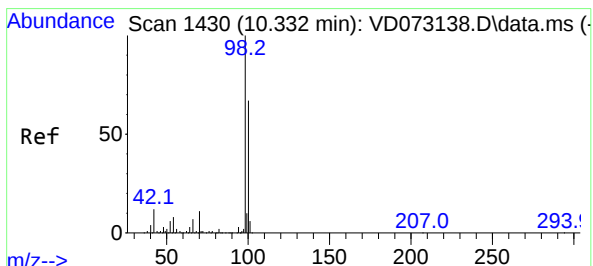
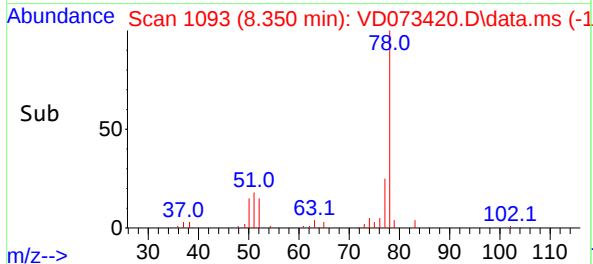
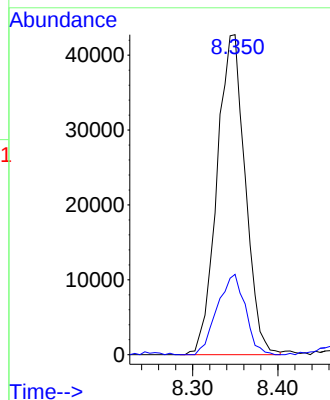
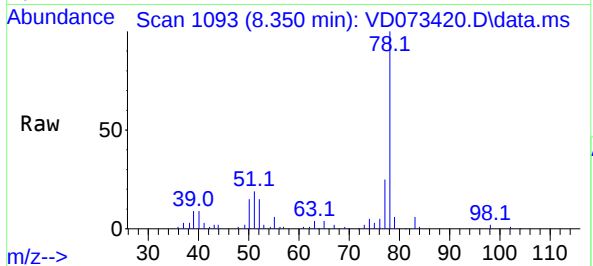




#40
Benzene
Concen: 90.302 ug/l
RT: 8.350 min Scan# 1092
Delta R.T. 0.006 min
Lab File: VD073420.D
Acq: 27 May 2022 19:33

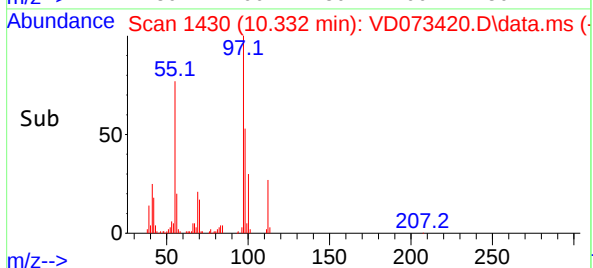
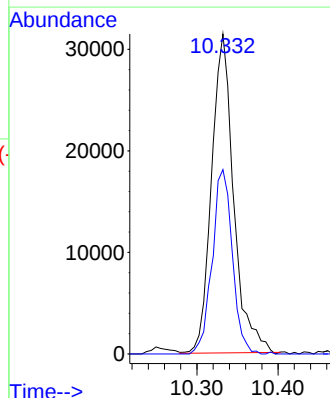
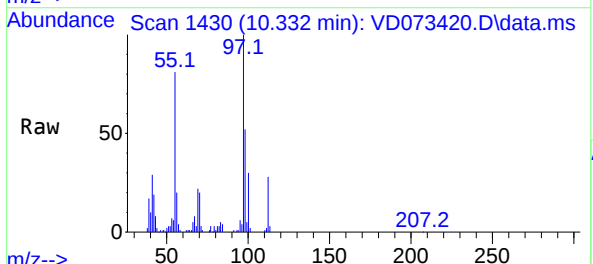
Instrument :
MSVOA_D
ClientSampleId :
WC-7

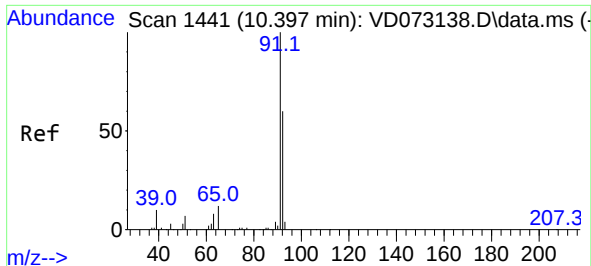
Tgt Ion: 78 Resp: 98338
Ion Ratio Lower Upper
78 100
77 25.1 19.1 28.7



#50
Toluene-d8
Concen: 64.069 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073420.D
Acq: 27 May 2022 19:33

Tgt Ion: 98 Resp: 59336
Ion Ratio Lower Upper
98 100
100 52.7 52.4 78.6

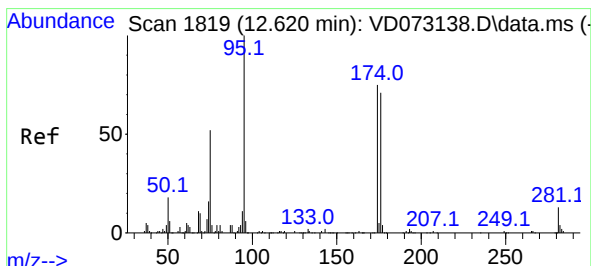
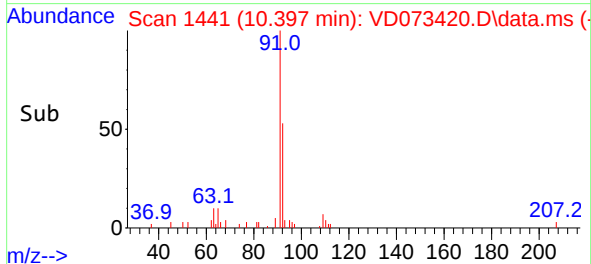
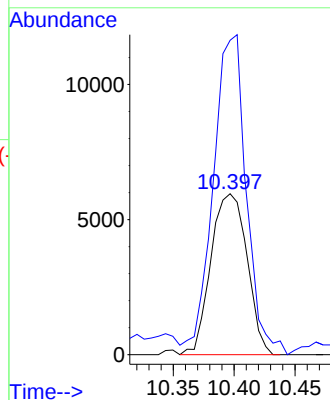
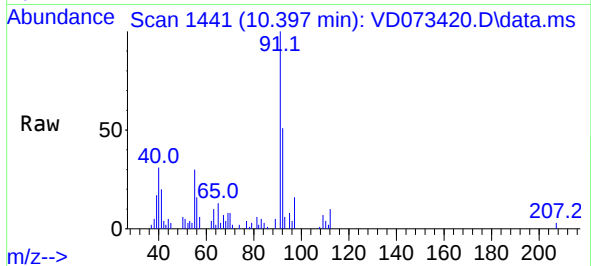




#52
Toluene
Concen: 17.883 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VD073420.D
Acq: 27 May 2022 19:33

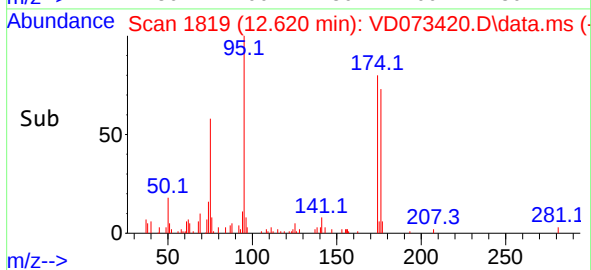
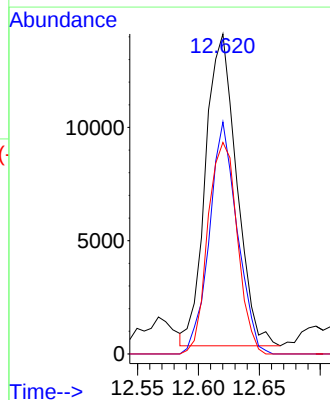
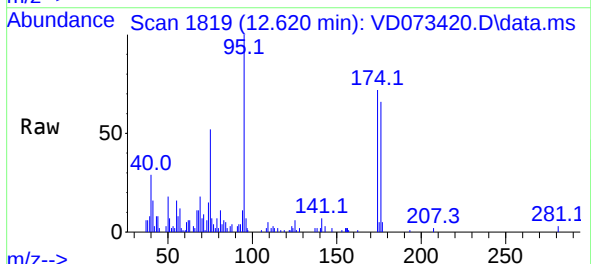
Instrument :
MSVOA_D
ClientSampleId :
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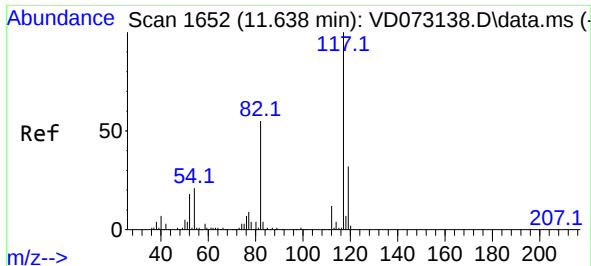
Tgt Ion: 92 Resp: 12306
Ion Ratio Lower Upper
92 100
91 182.4 139.6 209.4



#62
4-Bromofluorobenzene
Concen: 75.150 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073420.D
Acq: 27 May 2022 19:33

Tgt Ion: 95 Resp: 24425
Ion Ratio Lower Upper
95 100
174 67.0 0.0 152.8
176 64.4 0.0 145.4

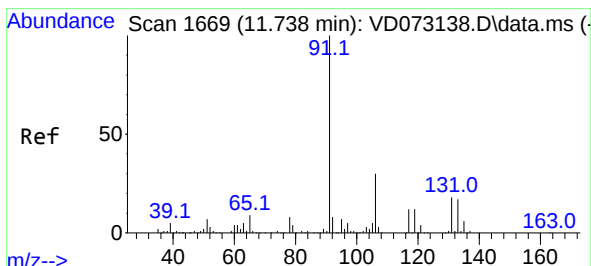
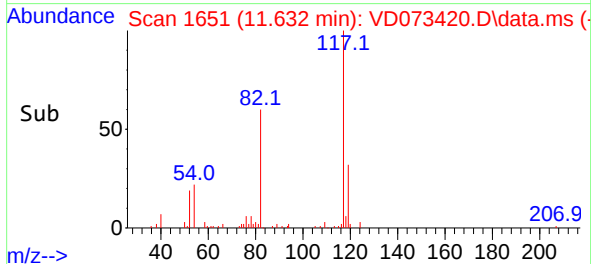
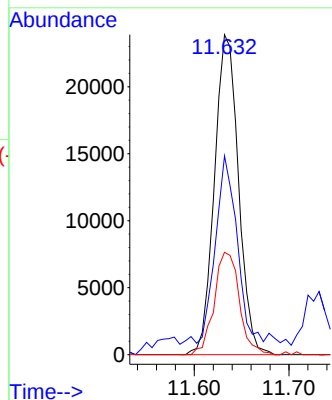
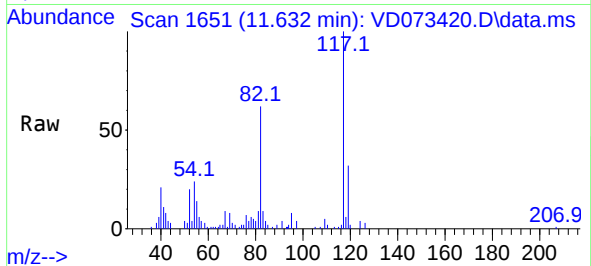




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 117
Delta R.T. -0.006 min
Lab File: VD073420.D
Acq: 27 May 2022 19:33

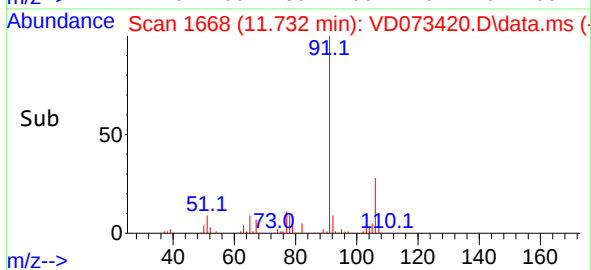
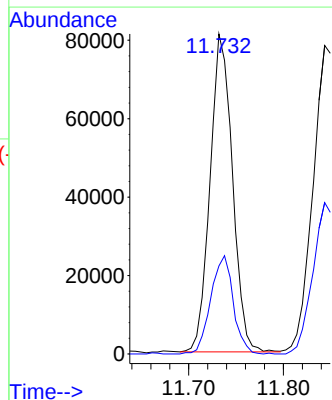
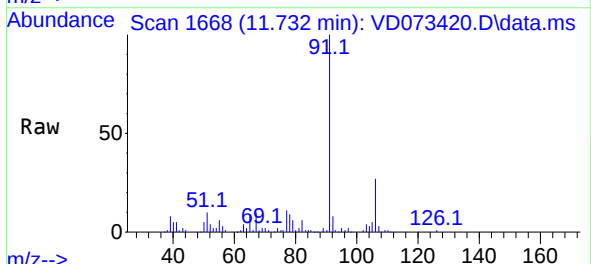
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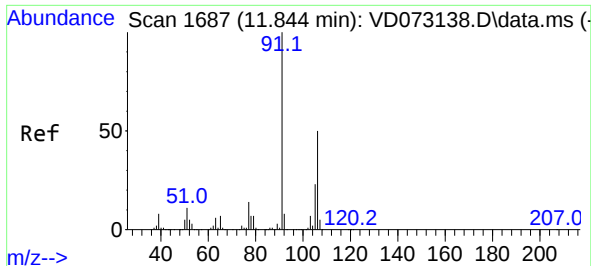
Tgt Ion:117 Resp: 42233
Ion Ratio Lower Upper
117 100
82 58.9 45.3 67.9
119 32.0 26.6 40.0



#67
Ethyl Benzene
Concen: 87.417 ug/l
RT: 11.732 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VD073420.D
Acq: 27 May 2022 19:33

Tgt Ion: 91 Resp: 132955
Ion Ratio Lower Upper
91 100
106 27.7 24.2 36.4

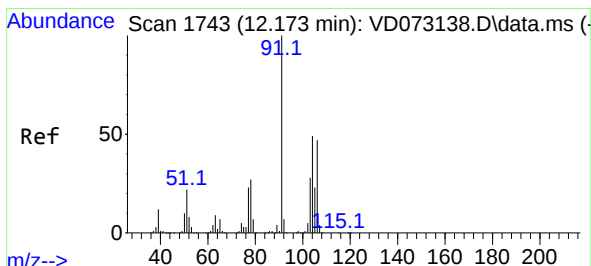
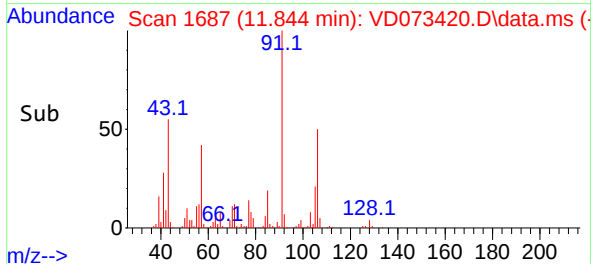
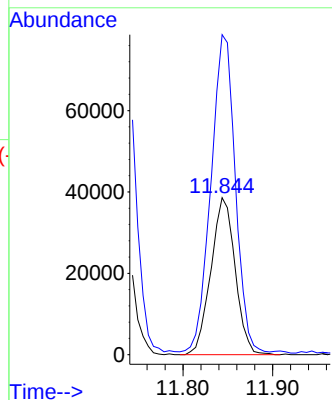
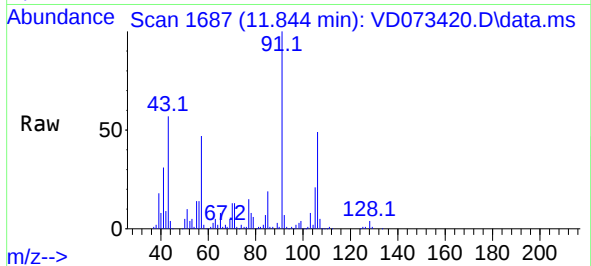




#68
m/p-Xylenes
Concen: 122.558 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VD073420.D
Acq: 27 May 2022 19:33

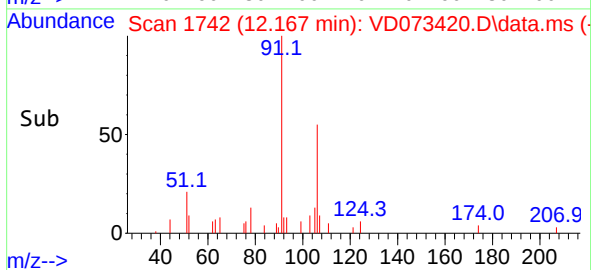
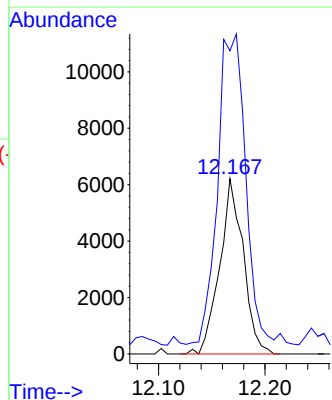
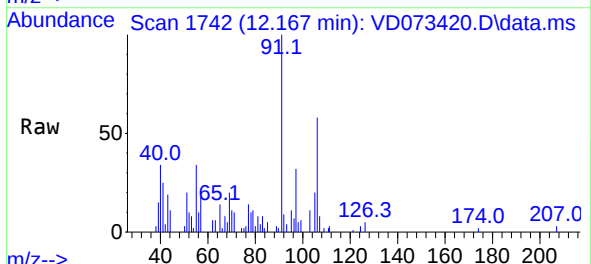
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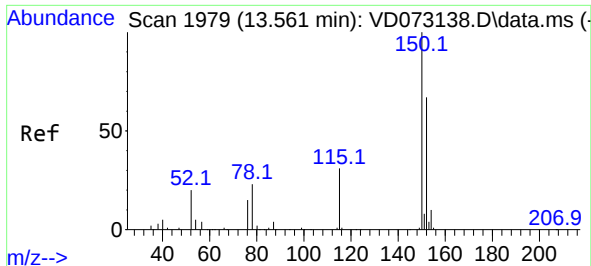
Tgt Ion:106 Resp: 72420
Ion Ratio Lower Upper
106 100
91 202.0 163.7 245.5



#69
o-Xylene
Concen: 17.549 ug/l
RT: 12.167 min Scan# 1742
Delta R.T. -0.006 min
Lab File: VD073420.D
Acq: 27 May 2022 19:33

Tgt Ion:106 Resp: 9526
Ion Ratio Lower Upper
106 100
91 211.8 110.4 331.2

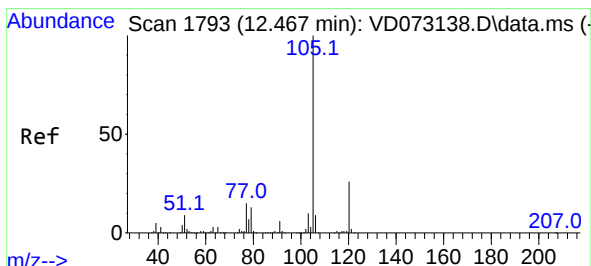
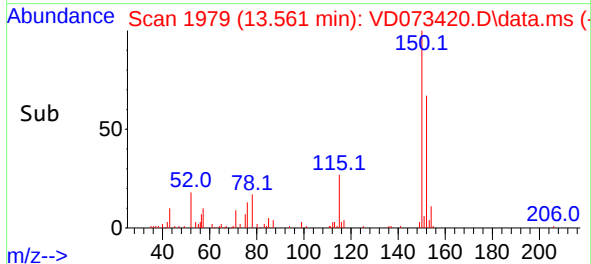
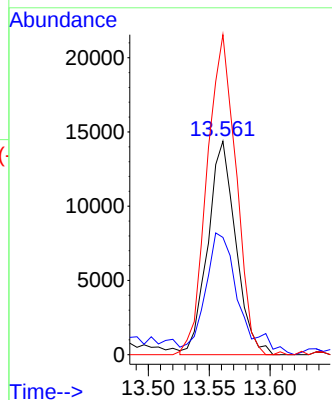
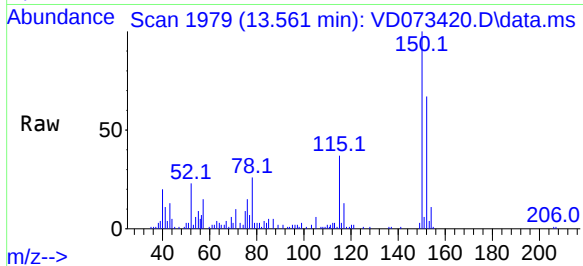




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073420.D
Acq: 27 May 2022 19:33

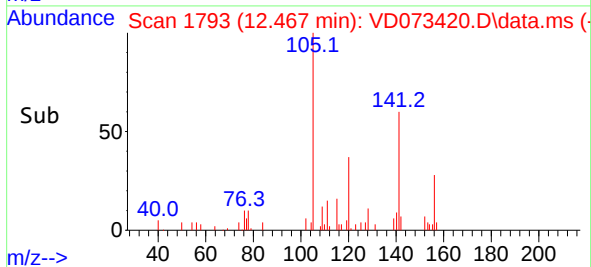
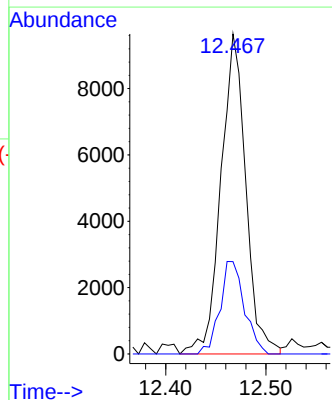
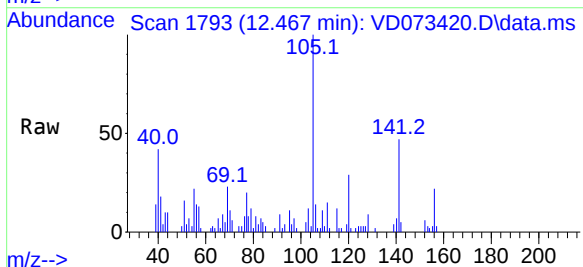
Instrument :
MSVOA_D
ClientSampleId :
WC-7

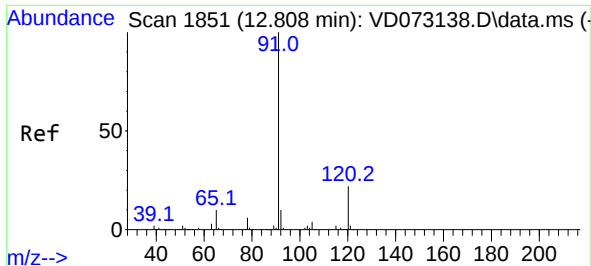
Tgt Ion:152 Resp: 22886
Ion Ratio Lower Upper
152 100
115 67.9 31.3 93.8
150 155.6 0.0 348.6



#73
Isopropylbenzene
Concen: 10.197 ug/l
RT: 12.467 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD073420.D
Acq: 27 May 2022 19:33

Tgt Ion:105 Resp: 16636
Ion Ratio Lower Upper
105 100
120 28.4 13.0 38.9

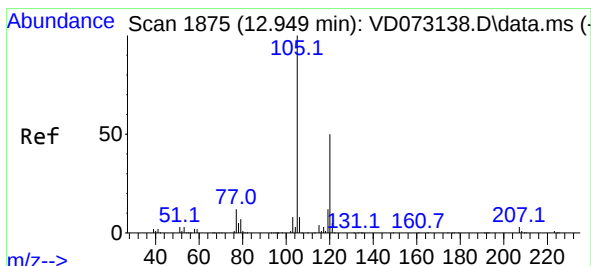
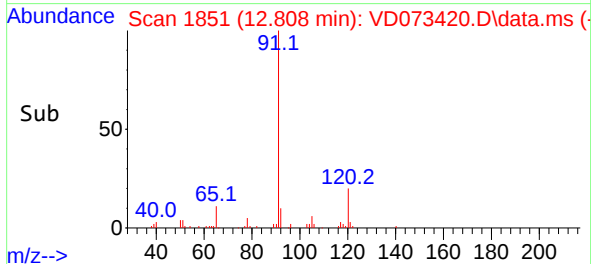
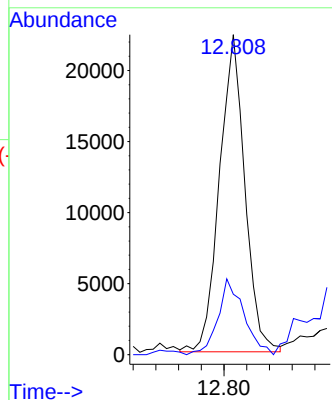
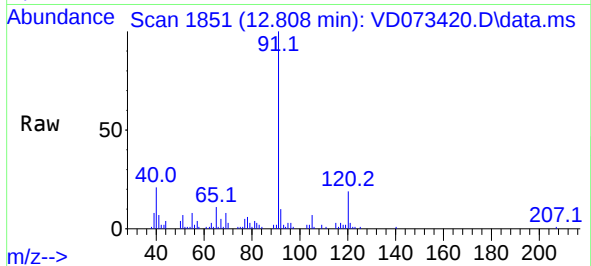




#78
n-propylbenzene
Concen: 16.887 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VD073420.D
Acq: 27 May 2022 19:33

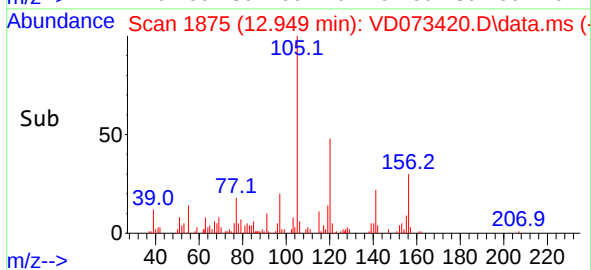
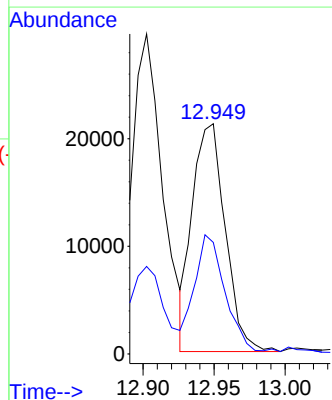
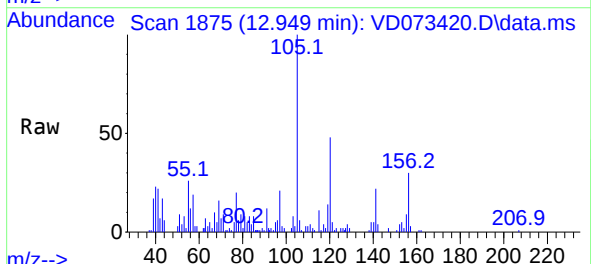
Instrument :
MSVOA_D
ClientSampleId :
WC-7

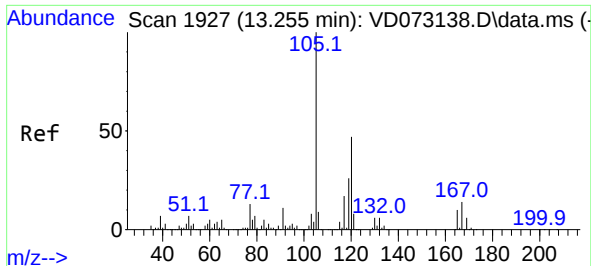
Tgt Ion: 91 Resp: 34589
Ion Ratio Lower Upper
91 100
120 24.4 10.9 32.9



#80
1,3,5-Trimethylbenzene
Concen: 24.627 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD073420.D
Acq: 27 May 2022 19:33

Tgt Ion: 105 Resp: 34036
Ion Ratio Lower Upper
105 100
120 48.7 24.3 72.8

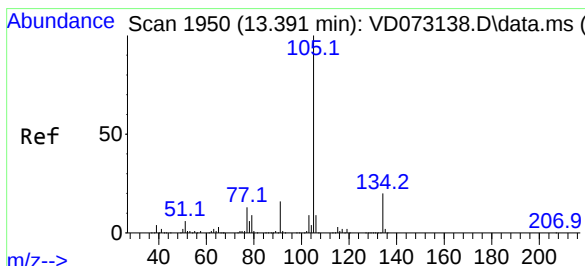
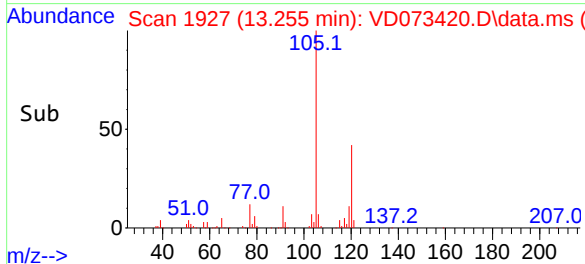
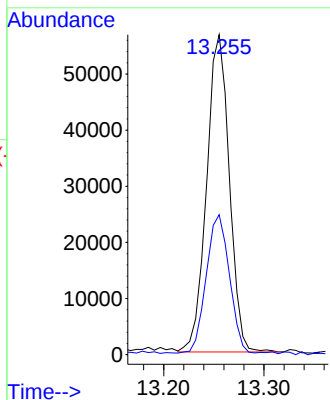
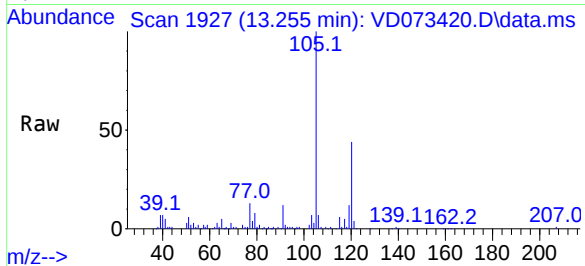




#84
1,2,4-Trimethylbenzene
Concen: 65.219 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD073420.D
Acq: 27 May 2022 19:33

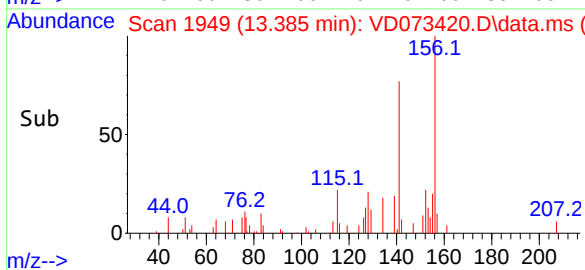
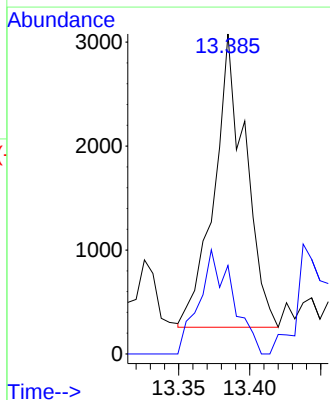
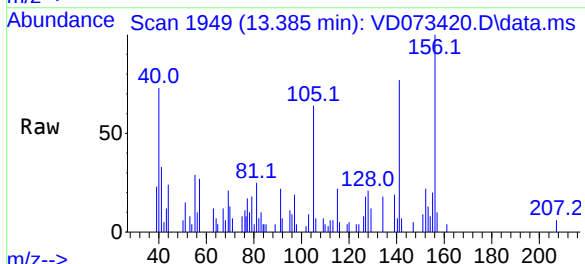
Instrument :
MSVOA_D
ClientSampleId :
WC-7

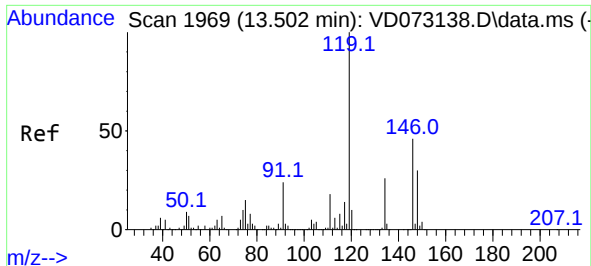
Tgt Ion:105 Resp: 89046
Ion Ratio Lower Upper
105 100
120 44.2 22.3 66.8



#85
sec-Butylbenzene
Concen: 2.438 ug/l
RT: 13.385 min Scan# 1949
Delta R.T. -0.006 min
Lab File: VD073420.D
Acq: 27 May 2022 19:33

Tgt Ion:105 Resp: 4336
Ion Ratio Lower Upper
105 100
134 38.1 9.8 29.3#

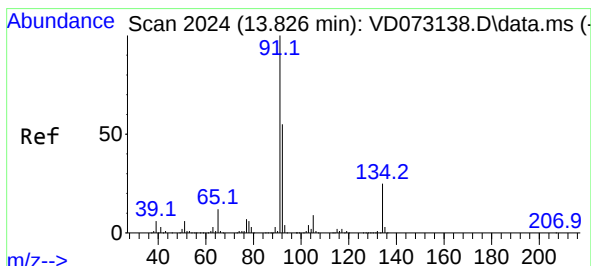
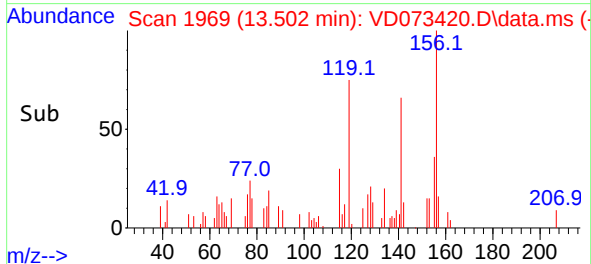
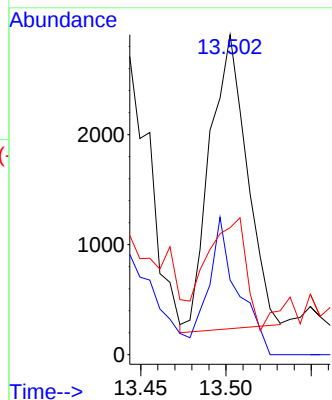
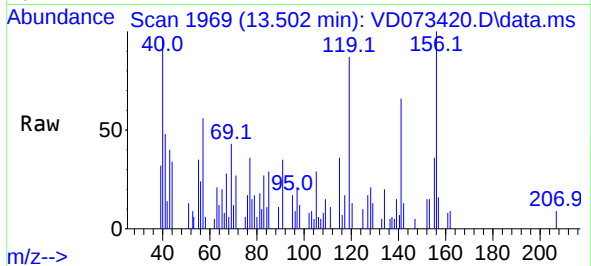




#86
p-Isopropyltoluene
Concen: 2.789 ug/l
RT: 13.502 min Scan# 1969
Delta R.T. 0.000 min
Lab File: VD073420.D
Acq: 27 May 2022 19:33

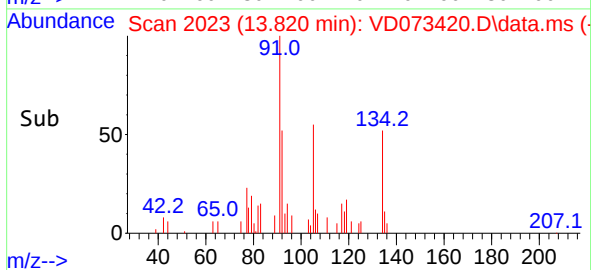
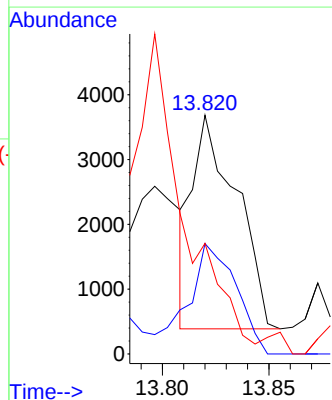
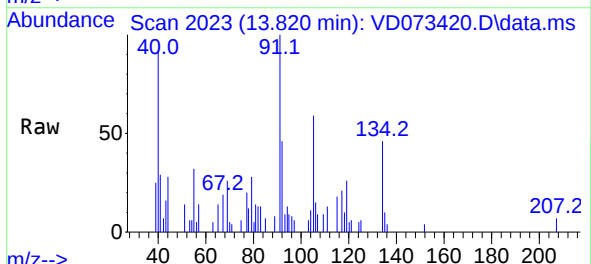
Instrument :
MSVOA_D
ClientSampleId :
WC-7

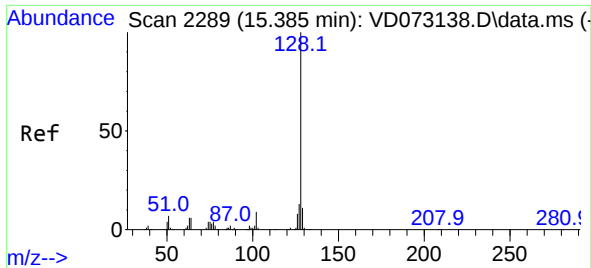
Tgt Ion:	119	Resp:	4044
Ion	Ratio	Lower	Upper
119	100		
134	36.6	12.9	38.6
91	39.1	12.1	36.3#



#89
n-Butylbenzene
Concen: 3.416 ug/l
RT: 13.820 min Scan# 2023
Delta R.T. -0.006 min
Lab File: VD073420.D
Acq: 27 May 2022 19:33

Tgt Ion:	91	Resp:	4719
Ion	Ratio	Lower	Upper
91	100		
92	56.1	26.6	79.8
134	0.0	12.3	36.9#





#95
Naphthalene
Concen: 55.664 ug/l
RT: 15.379 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD073420.D
Acq: 27 May 2022 19:33

Instrument :
MSVOA_D
ClientSampleId :
WC-7

Tgt Ion:	128	Resp:	42012
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	12.1	8.4	12.6

