

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051622\
 Data File : VD073049.D
 Acq On : 16 May 2022 22:00
 Operator : VA/SY
 Sample : N2809-04
 Misc : 5.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-14A-TP-5R

Quant Time: May 17 03:32:06 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)

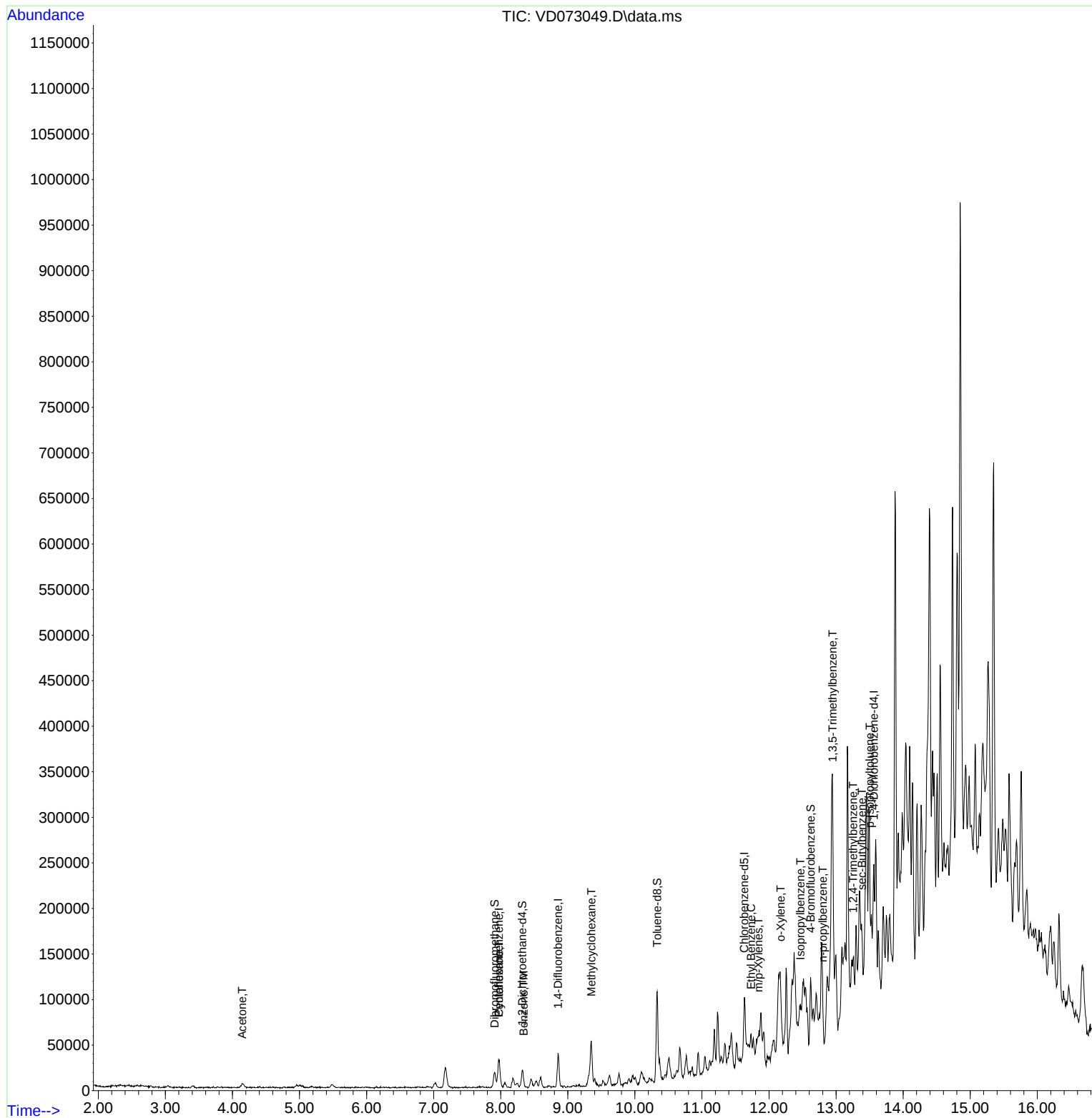
Internal Standards						
1) Pentafluorobenzene	7.973	168	15819	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	28350	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	38428	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	19245	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	15142	73.740	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 147.480%		
35) Dibromofluoromethane	7.909	113	13215	66.372	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 132.740%		
50) Toluene-d8	10.332	98	43117	60.370	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 120.740%		
62) 4-Bromofluorobenzene	12.620	95	19041	71.500	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 143.000%		
Target Compounds						
					Qvalue	
16) Acetone	4.144	43	8057	207.246	ug/l	96
31) Cyclohexane	7.973	56	5310	14.793	ug/l #	62
39) Methylcyclohexane	9.350	83	18449	49.128	ug/l	97
40) Benzene	8.344	78	1158	1.239	ug/l #	80
67) Ethyl Benzene	11.732	91	9256	6.017	ug/l #	85
68) m/p-Xylenes	11.844	106	4072	6.872	ug/l	89
69) o-Xylene	12.173	106	18704	33.800	ug/l	87
73) Isopropylbenzene	12.467	105	10131	6.766	ug/l	96
78) n-propylbenzene	12.803	91	11273	5.974	ug/l	98
80) 1,3,5-Trimethylbenzene	12.950	105	41777	32.905	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	28568	22.511	ug/l	100
85) sec-Butylbenzene	13.385	105	12308	7.560	ug/l #	76
86) p-Isopropyltoluene	13.502	119	14769	11.065	ug/l	91

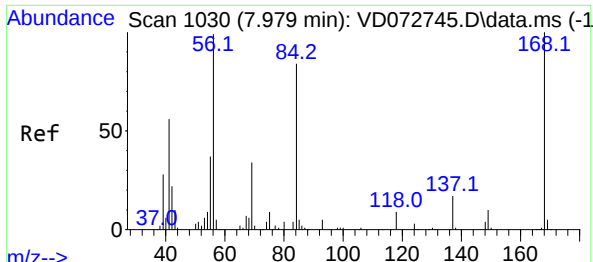
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD073049.D

Acq: 16 May 2022 22:00

Instrument :

MSVOA_D

ClientSampleId :

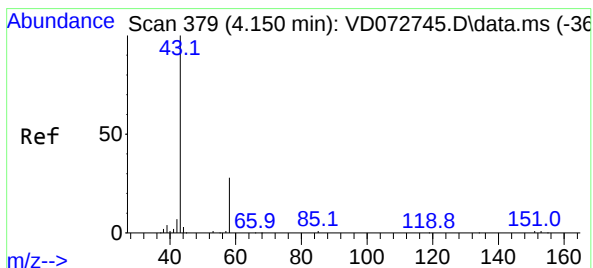
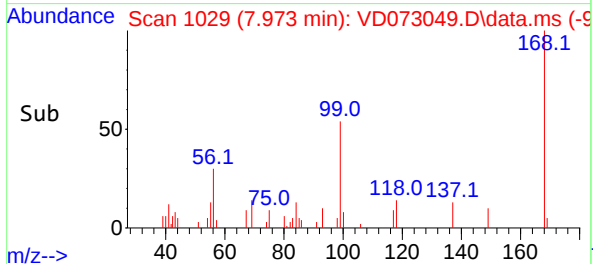
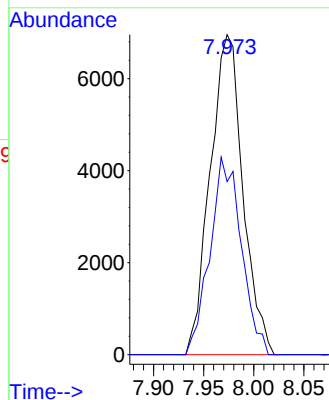
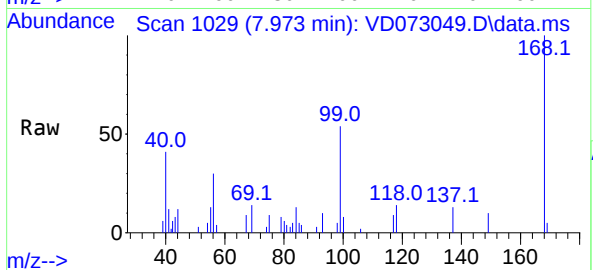
WC-14A-TP-5R

Tgt Ion:168 Resp: 15819

Ion Ratio Lower Upper

168 100

99 54.1 49.8 74.6



#16

Acetone

Concen: 207.246 ug/l

RT: 4.144 min Scan# 378

Delta R.T. -0.006 min

Lab File: VD073049.D

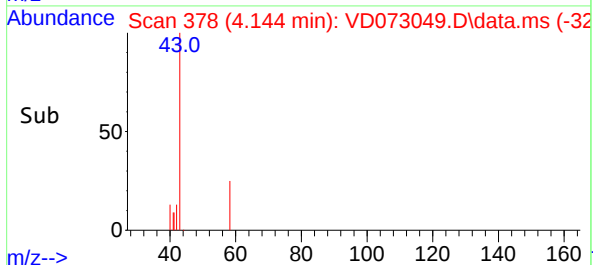
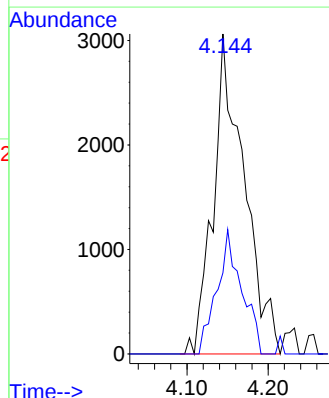
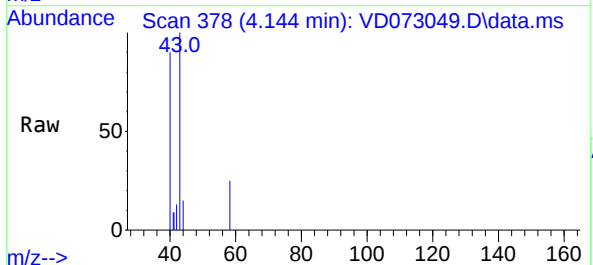
Acq: 16 May 2022 22:00

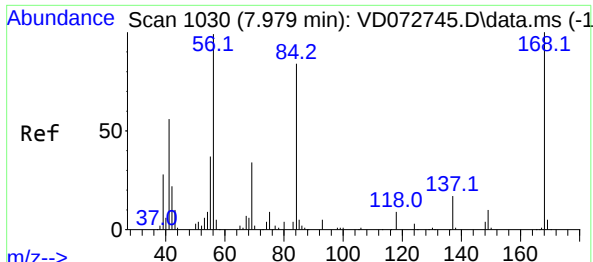
Tgt Ion: 43 Resp: 8057

Ion Ratio Lower Upper

43 100

58 25.3 22.1 33.1

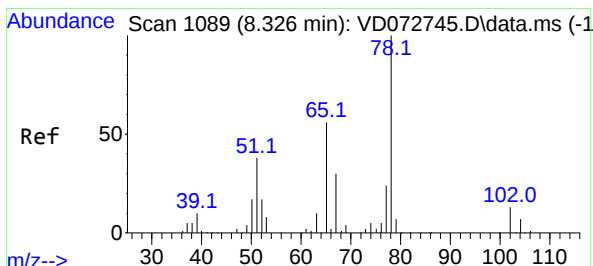
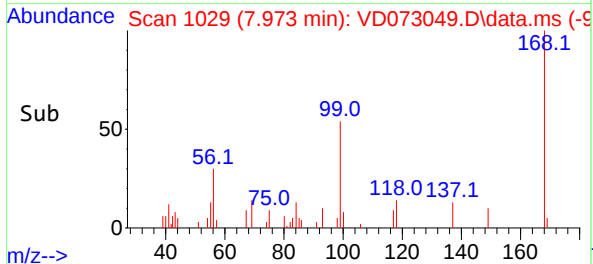
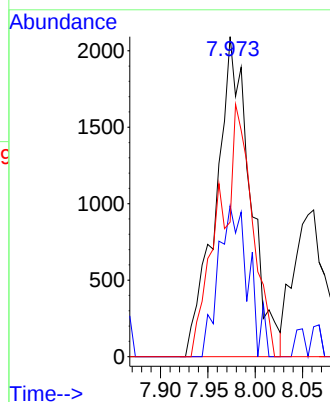
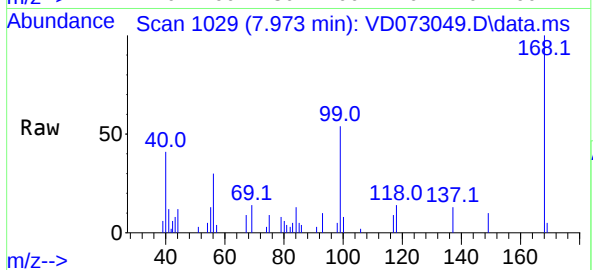




#31
Cyclohexane
Concen: 14.793 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073049.D
Acq: 16 May 2022 22:00

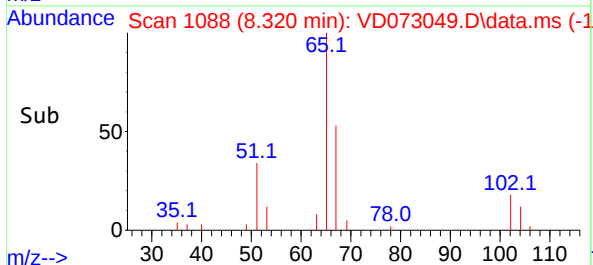
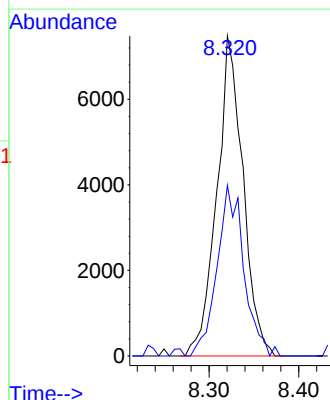
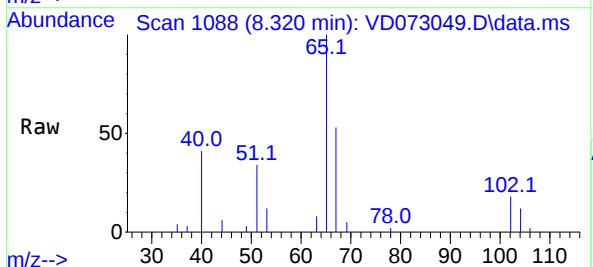
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-TP-5R

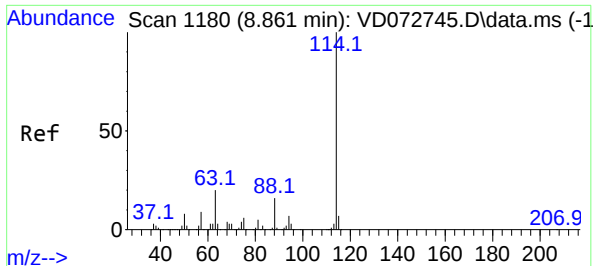
Tgt Ion: 56 Resp: 5310
Ion Ratio Lower Upper
56 100
69 47.1 25.4 38.2#
84 42.1 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 73.740 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD073049.D
Acq: 16 May 2022 22:00

Tgt Ion: 65 Resp: 15142
Ion Ratio Lower Upper
65 100
67 54.8 0.0 101.4

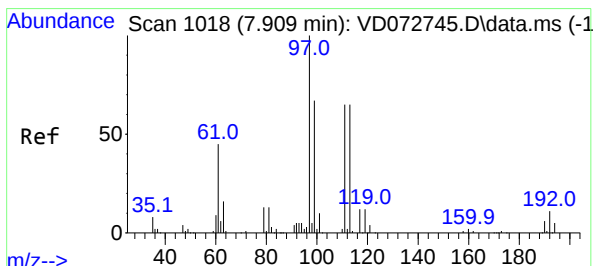
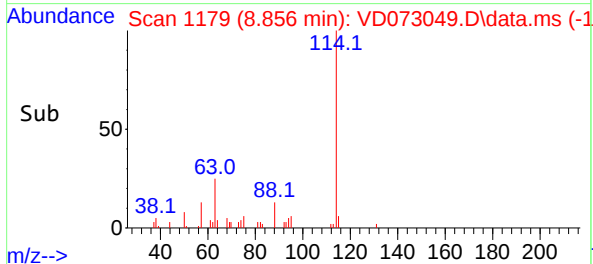
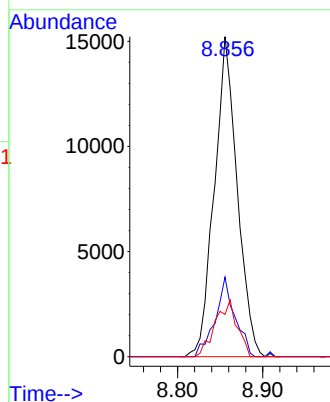
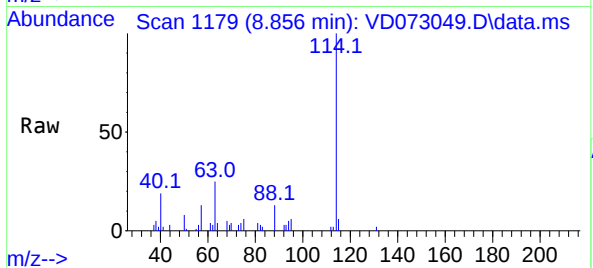




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.856 min Scan# 1180
Delta R.T. -0.005 min
Lab File: VD073049.D
Acq: 16 May 2022 22:00

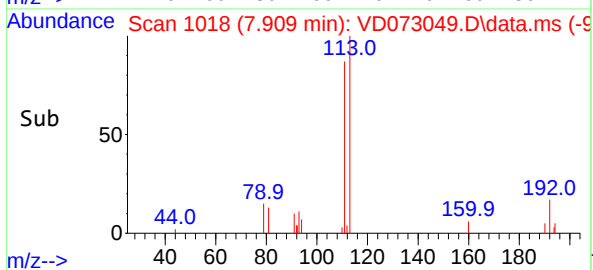
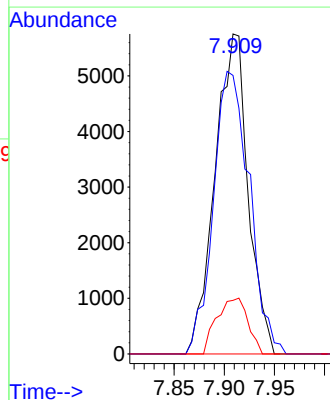
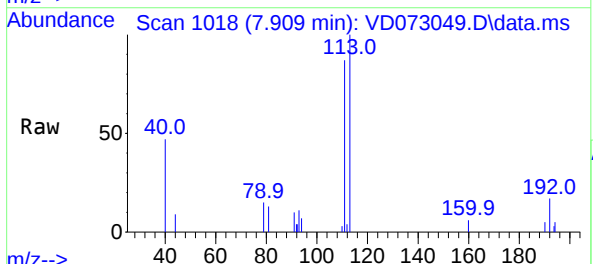
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-TP-5R

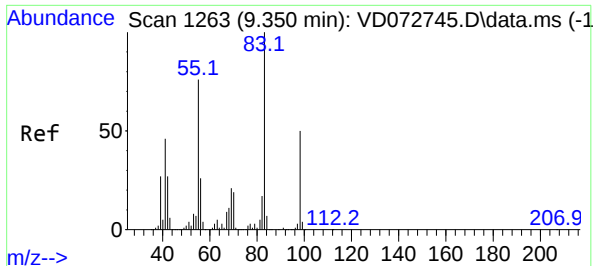
Tgt Ion:	114	Resp:	28350
Ion	Ratio	Lower	Upper
114	100		
63	24.8	0.0	46.6
88	13.2	0.0	33.2



#35
Dibromofluoromethane
Concen: 66.372 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.000 min
Lab File: VD073049.D
Acq: 16 May 2022 22:00

Tgt Ion:	113	Resp:	13215
Ion	Ratio	Lower	Upper
113	100		
111	95.8	83.8	125.6
192	16.4	14.6	21.8





#39

Methylcyclohexane

Concen: 49.128 ug/l

RT: 9.350 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD073049.D

Acq: 16 May 2022 22:00

Instrument :

MSVOA_D

ClientSampleId :

WC-14A-TP-5R

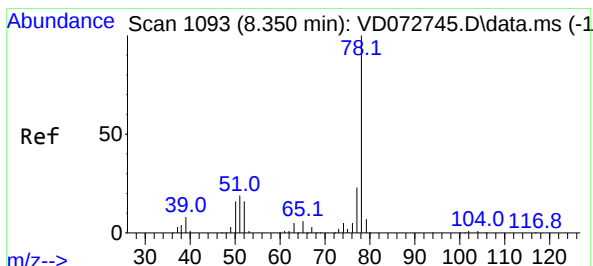
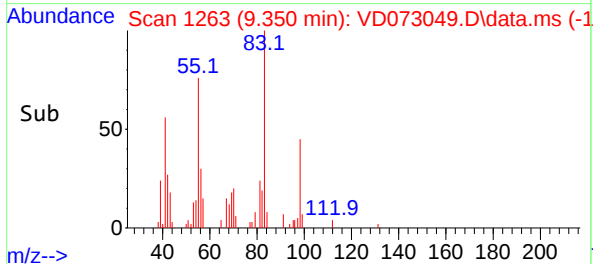
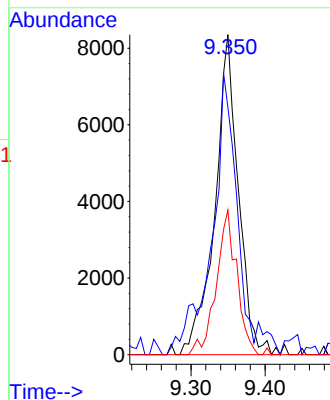
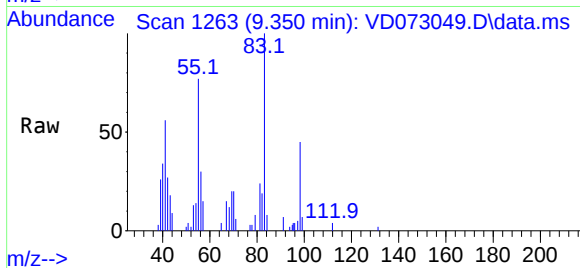
Tgt Ion: 83 Resp: 18449

Ion Ratio Lower Upper

83 100

55 77.3 63.2 94.8

98 45.2 38.2 57.4



#40

Benzene

Concen: 1.239 ug/l

RT: 8.344 min Scan# 1092

Delta R.T. -0.006 min

Lab File: VD073049.D

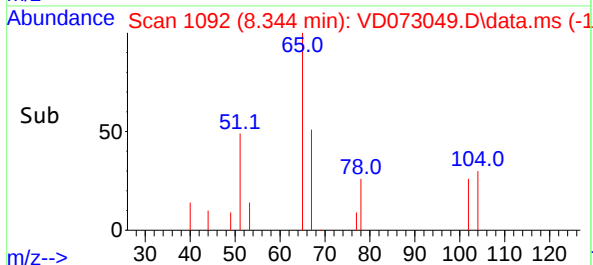
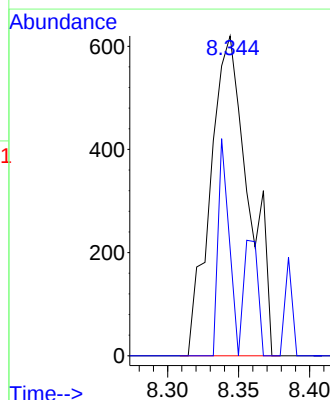
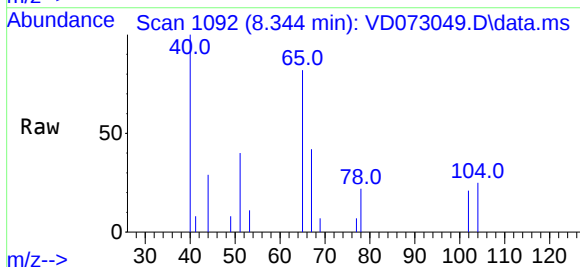
Acq: 16 May 2022 22:00

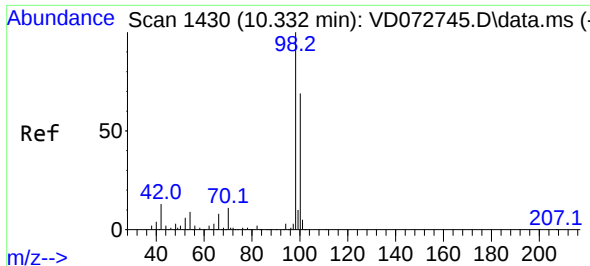
Tgt Ion: 78 Resp: 1158

Ion Ratio Lower Upper

78 100

77 33.5 19.1 28.7#

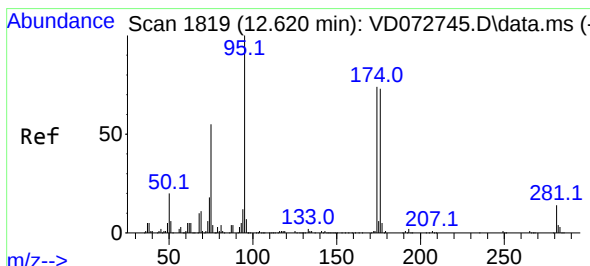
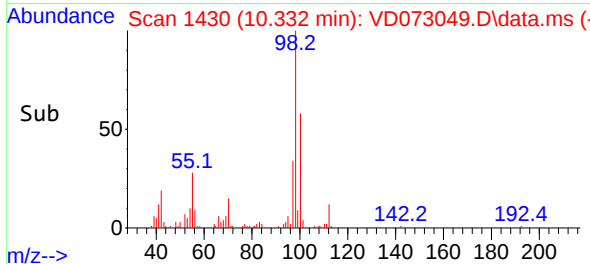
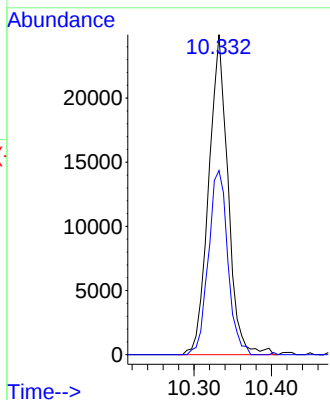
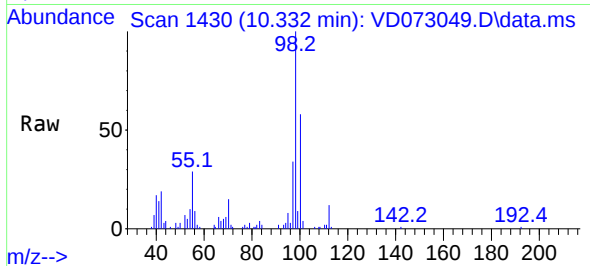




#50
Toluene-d8
Concen: 60.370 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073049.D
Acq: 16 May 2022 22:00

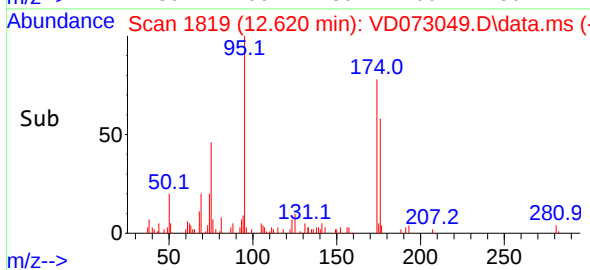
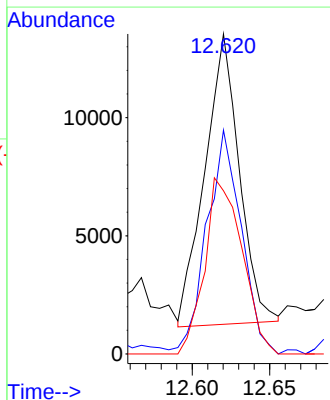
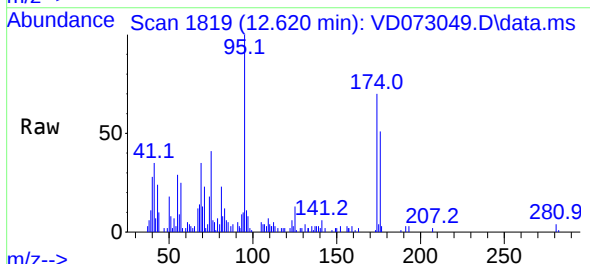
Instrument :
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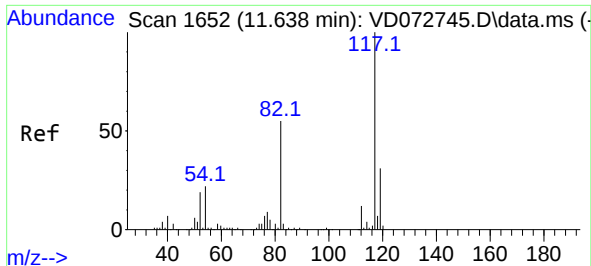
Tgt Ion: 98 Resp: 43117
Ion Ratio Lower Upper
98 100
100 57.9 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 71.500 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073049.D
Acq: 16 May 2022 22:00

Tgt Ion: 95 Resp: 19041
Ion Ratio Lower Upper
95 100
174 73.7 0.0 152.8
176 65.6 0.0 145.4

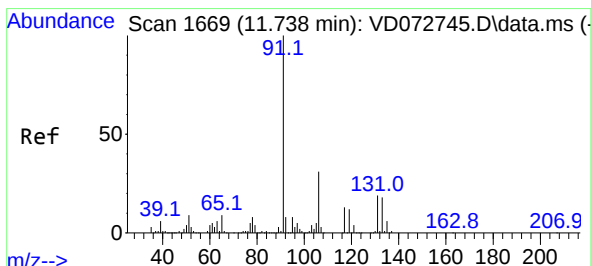
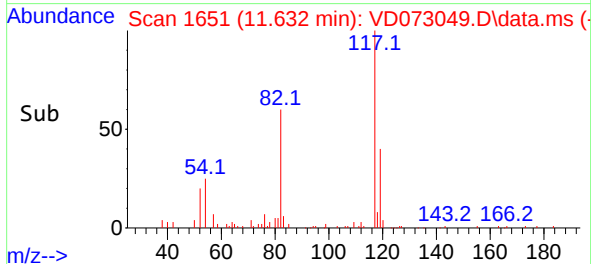
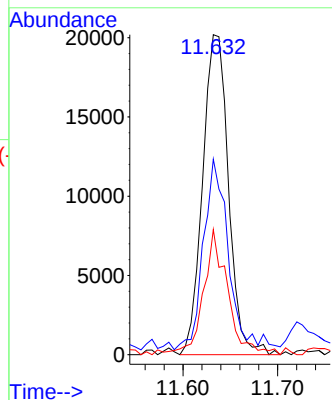
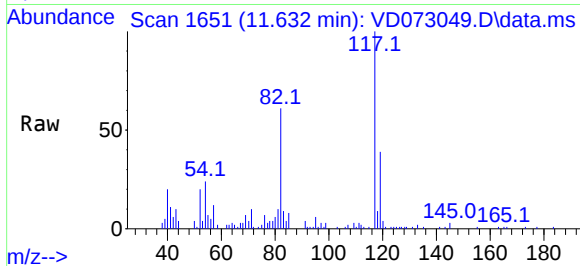




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 117
Delta R.T. -0.006 min
Lab File: VD073049.D
Acq: 16 May 2022 22:00

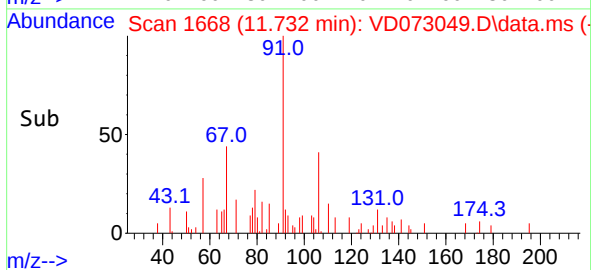
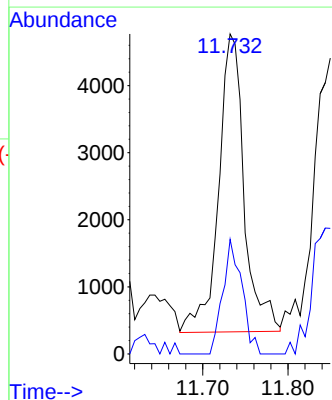
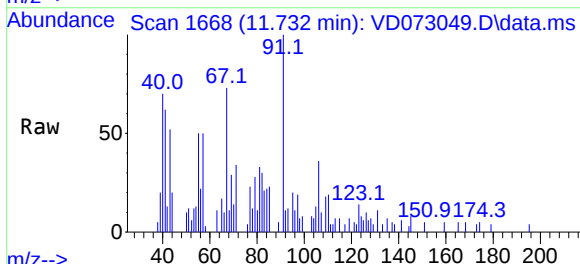
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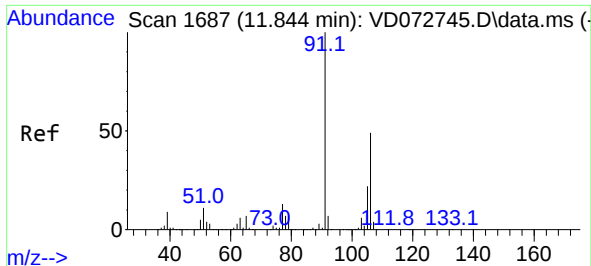
Tgt Ion:	117	Resp:	38428
Ion	Ratio	Lower	Upper
117	100		
82	58.6	45.3	67.9
119	39.1	26.6	40.0



#67
Ethyl Benzene
Concen: 6.017 ug/l
RT: 11.732 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VD073049.D
Acq: 16 May 2022 22:00

Tgt Ion:	91	Resp:	9256
Ion	Ratio	Lower	Upper
91	100		
106	38.5	24.2	36.4

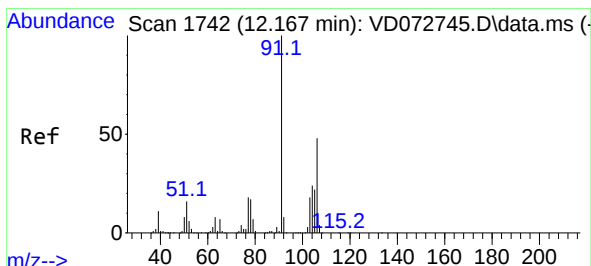
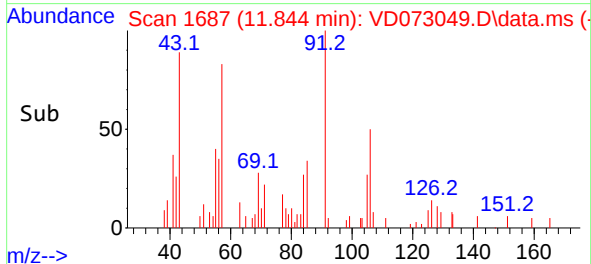
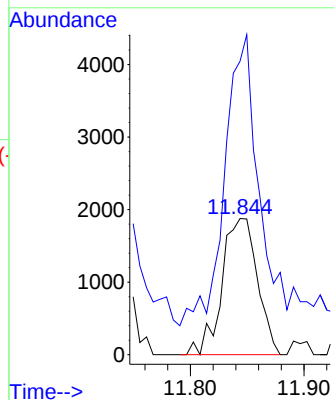
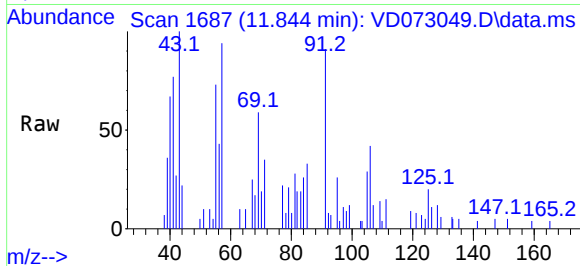




#68
m/p-Xylenes
Concen: 6.872 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VD073049.D
Acq: 16 May 2022 22:00

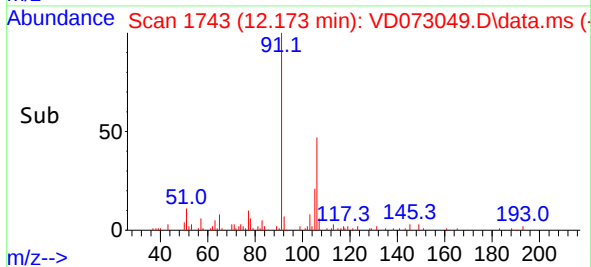
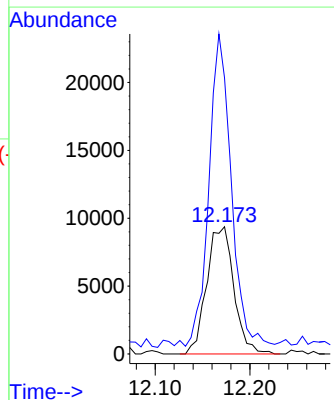
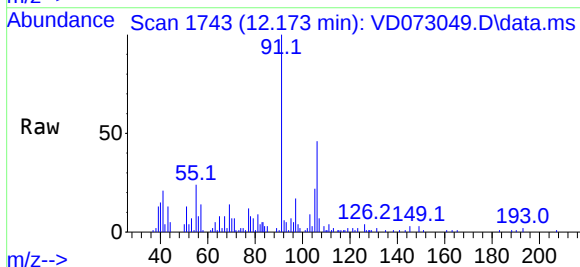
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WC-14A-TP-5R

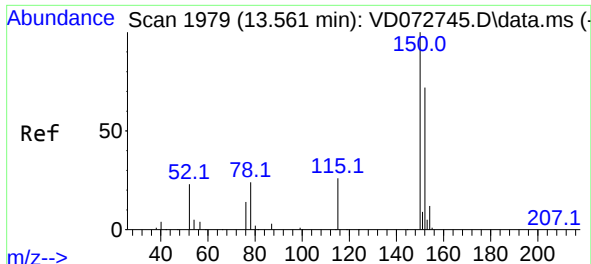
Tgt Ion:106 Resp: 4072
Ion Ratio Lower Upper
106 100
91 221.8 163.7 245.5



#69
o-Xylene
Concen: 33.800 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. 0.006 min
Lab File: VD073049.D
Acq: 16 May 2022 22:00

Tgt Ion:106 Resp: 18704
Ion Ratio Lower Upper
106 100
91 200.5 110.4 331.2

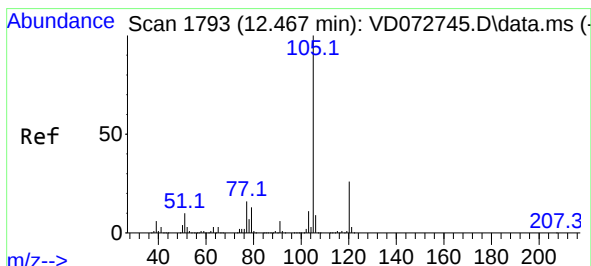
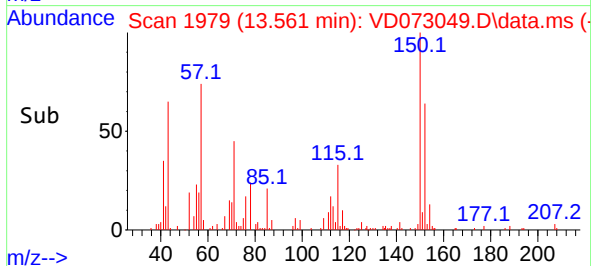
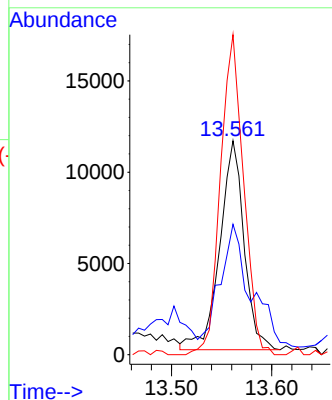
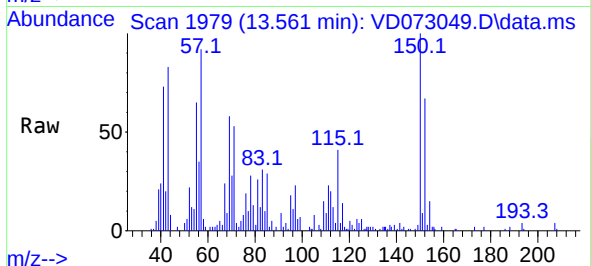




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073049.D
Acq: 16 May 2022 22:00

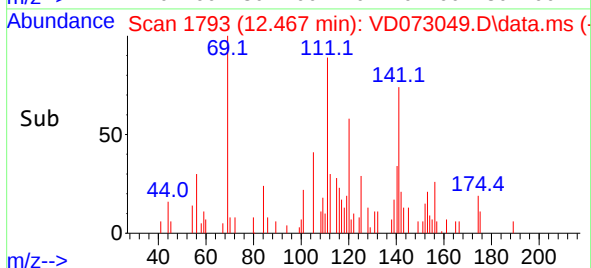
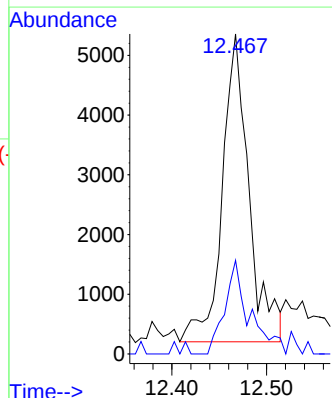
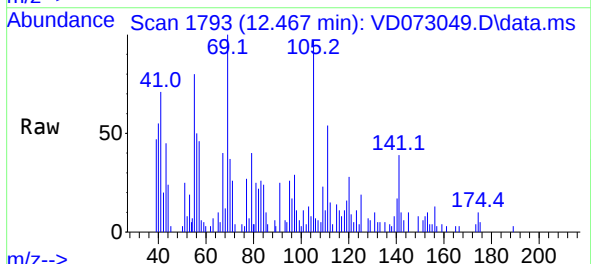
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-TP-5R

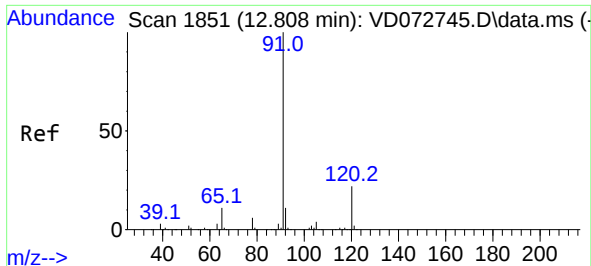
Tgt Ion:152 Resp: 19245
Ion Ratio Lower Upper
152 100
115 75.7 31.3 93.8
150 146.3 0.0 348.6



#73
Isopropylbenzene
Concen: 6.766 ug/l
RT: 12.467 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD073049.D
Acq: 16 May 2022 22:00

Tgt Ion:105 Resp: 10131
Ion Ratio Lower Upper
105 100
120 28.0 13.0 38.9

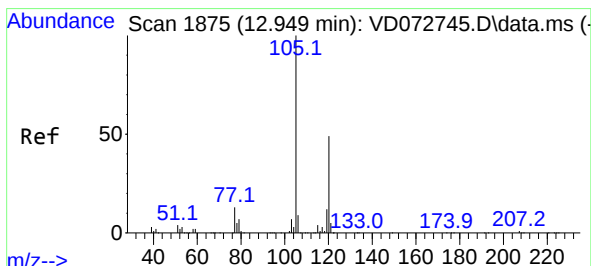
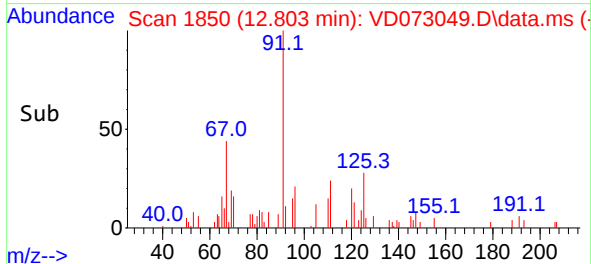
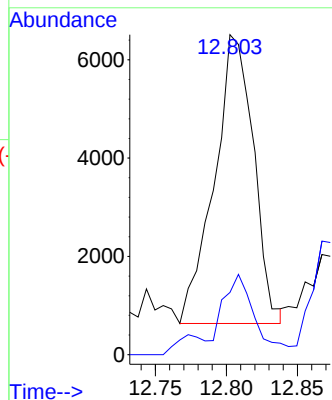
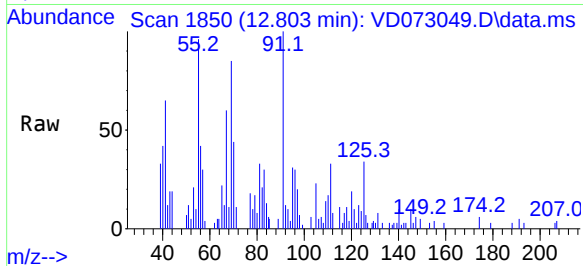




#78
n-propylbenzene
Concen: 5.974 ug/l
RT: 12.803 min Scan# 1850
Delta R.T. -0.005 min
Lab File: VD073049.D
Acq: 16 May 2022 22:00

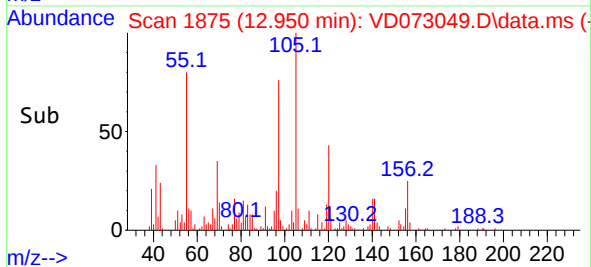
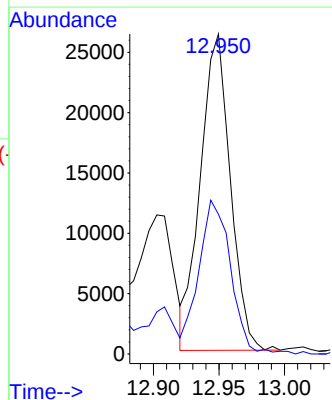
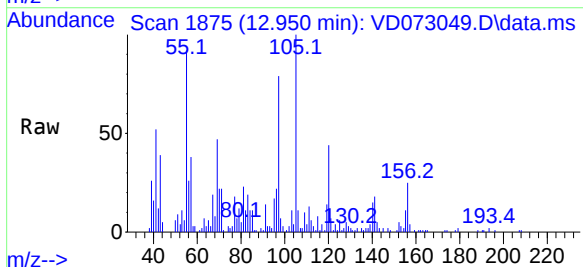
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-TP-5R

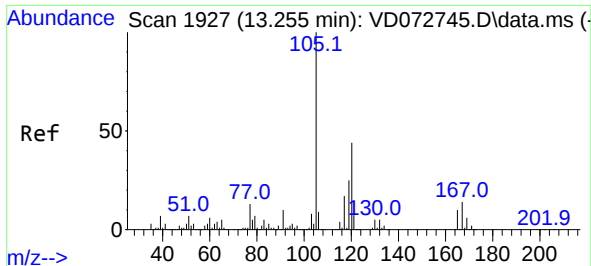
Tgt Ion: 91 Resp: 11273
Ion Ratio Lower Upper
91 100
120 22.8 10.9 32.9



#80
1,3,5-Trimethylbenzene
Concen: 32.905 ug/l
RT: 12.950 min Scan# 1875
Delta R.T. 0.001 min
Lab File: VD073049.D
Acq: 16 May 2022 22:00

Tgt Ion:105 Resp: 41777
Ion Ratio Lower Upper
105 100
120 51.9 24.3 72.8

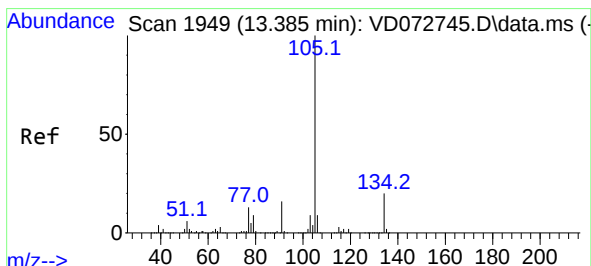
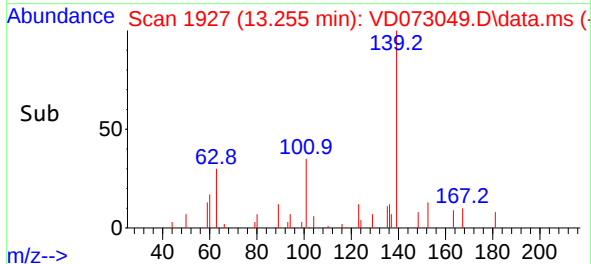
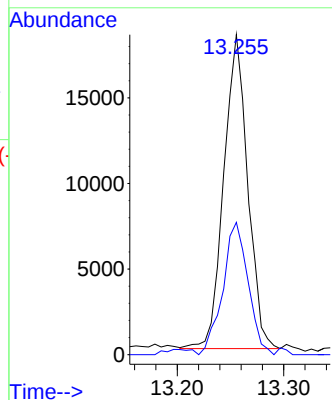
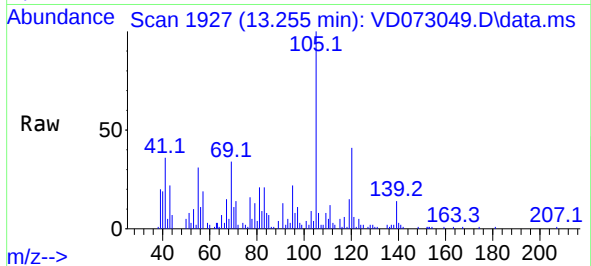




#84
1,2,4-Trimethylbenzene
Concen: 22.511 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD073049.D
Acq: 16 May 2022 22:00

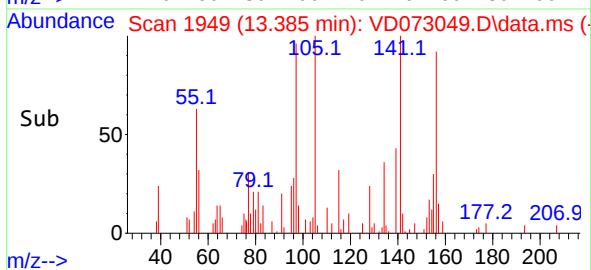
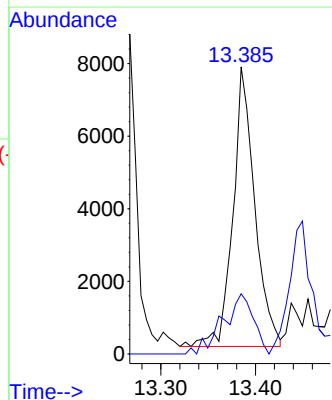
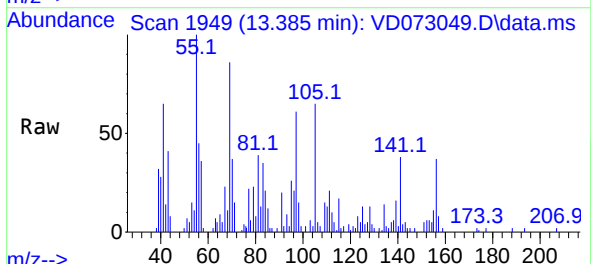
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-TP-5R

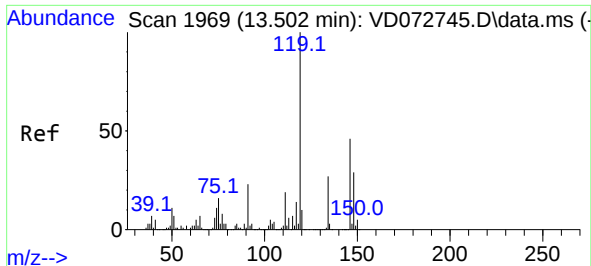
Tgt Ion:105 Resp: 28568
Ion Ratio Lower Upper
105 100
120 44.5 22.3 66.8



#85
sec-Butylbenzene
Concen: 7.560 ug/l
RT: 13.385 min Scan# 1949
Delta R.T. -0.000 min
Lab File: VD073049.D
Acq: 16 May 2022 22:00

Tgt Ion:105 Resp: 12308
Ion Ratio Lower Upper
105 100
134 30.2 9.8 29.3#





#86
 p-Isopropyltoluene
 Concen: 11.065 ug/l
 RT: 13.502 min Scan# 1969
 Delta R.T. 0.000 min
 Lab File: VD073049.D
 Acq: 16 May 2022 22:00

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-14A-TP-5R

Tgt Ion:	119	Resp:	14769
Ion	Ratio	Lower	Upper
119	100		
134	30.1	12.9	38.6
91	28.4	12.1	36.3

