

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081622\
 Data File : VD074117.D
 Acq On : 16 Aug 2022 22:39
 Operator : VA/SY
 Sample : N4136-01RE
 Misc : 6.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-4RE

Quant Time: Aug 17 00:45:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081522S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 01:41:25 2022
 Response via : Initial Calibration

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

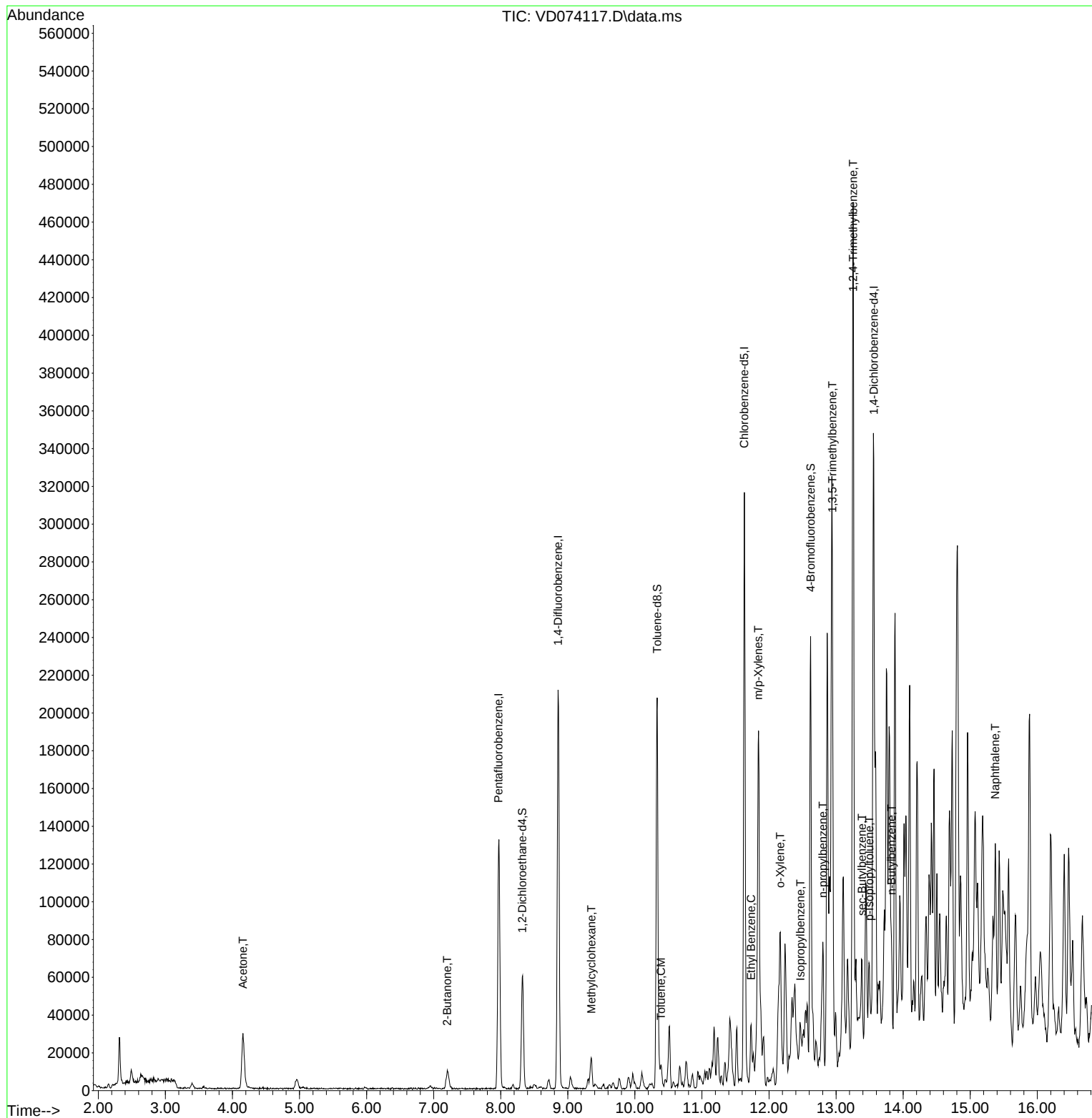
Internal Standards						
1) Pentafluorobenzene	7.967	168	93157	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	180352	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	173754	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	78807	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	47105	71.112	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 142.220%	
35) Dibromofluoromethane	0.000	113	0	0.000	ug/l	
Spiked Amount	50.000	Range	54 - 147	Recovery	= 0.000%#	
50) Toluene-d8	10.332	98	130746	37.365	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 74.740%	
62) 4-Bromofluorobenzene	12.620	95	67781	46.909	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 93.820%	
Target Compounds						
					Qvalue	
16) Acetone	4.156	43	50947	316.900	ug/l	97
25) 2-Butanone	7.203	43	13570	56.991	ug/l	94
39) Methylcyclohexane	9.350	83	4840	2.793	ug/l #	78
52) Toluene	10.391	92	4643	1.599	ug/l	97
67) Ethyl Benzene	11.732	91	17449	2.999	ug/l	94
68) m/p-Xylenes	11.838	106	32018	13.705	ug/l	98
69) o-Xylene	12.167	106	16456	7.730	ug/l	99
73) Isopropylbenzene	12.467	105	11767	2.375	ug/l	97
78) n-propylbenzene	12.802	91	45379	7.397	ug/l	99
80) 1,3,5-Trimethylbenzene	12.944	105	72550	17.158	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	256187	58.949	ug/l	98
85) sec-Butylbenzene	13.385	105	23279	4.049	ug/l	79
86) p-Isopropyltoluene	13.496	119	11948	2.492	ug/l	94
89) n-Butylbenzene	13.826	91	25978	5.655	ug/l #	76
95) Naphthalene	15.373	128	74478	29.534	ug/l	95

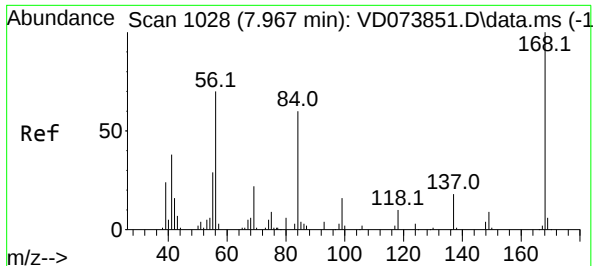
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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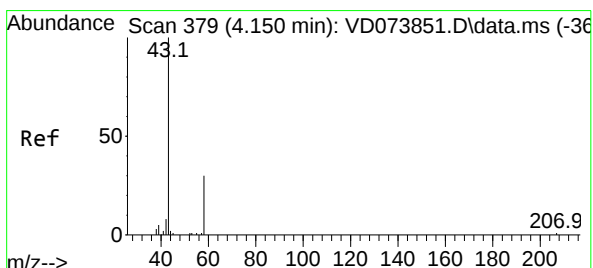
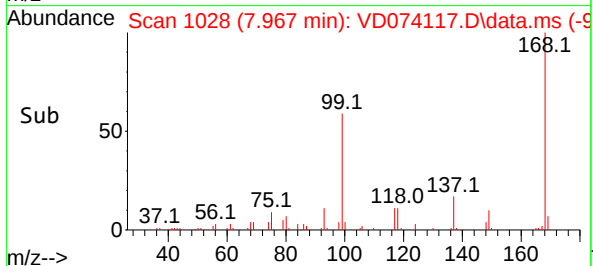
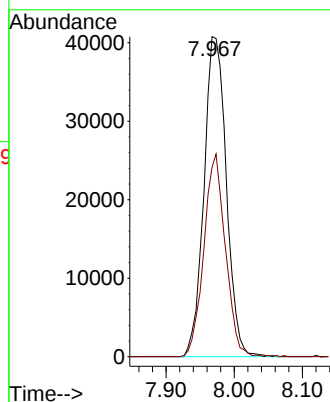
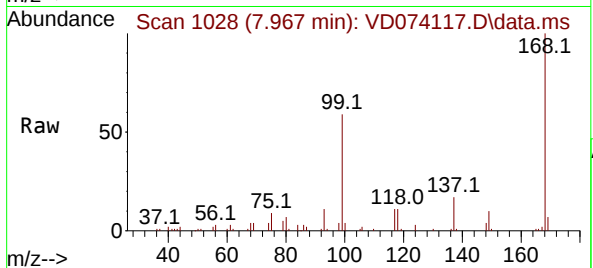




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. 0.000 min
Lab File: VD074117.D
Acq: 16 Aug 2022 22:39

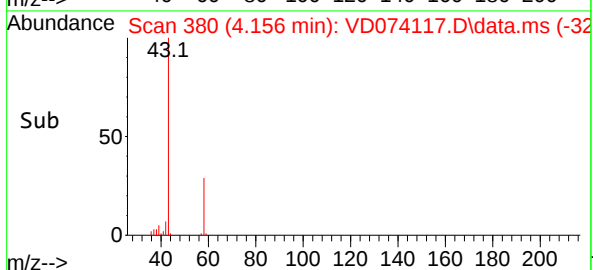
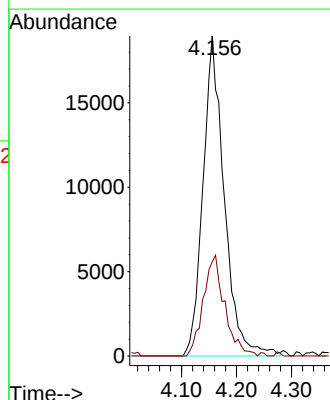
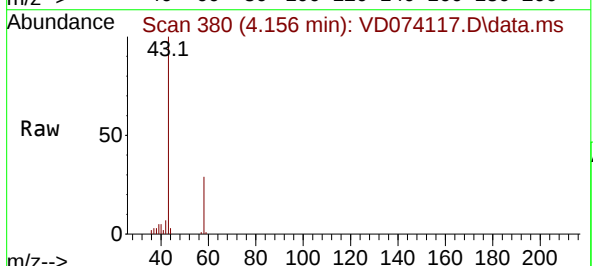
Instrument :
MSVOA_D
ClientSampleId :
WC-4RE

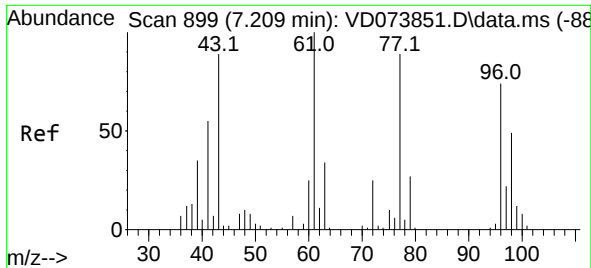
Tgt Ion:168 Resp: 93157
Ion Ratio Lower Upper
168 100
99 59.2 49.8 74.6



#16
Acetone
Concen: 316.900 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD074117.D
Acq: 16 Aug 2022 22:39

Tgt Ion: 43 Resp: 50947
Ion Ratio Lower Upper
43 100
58 29.4 22.1 33.1

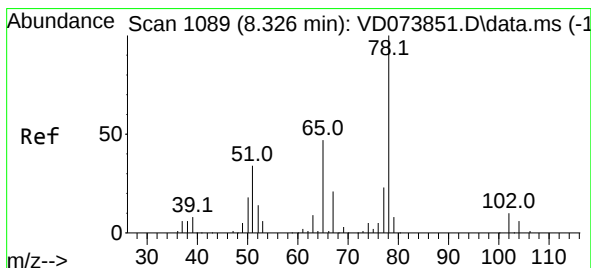
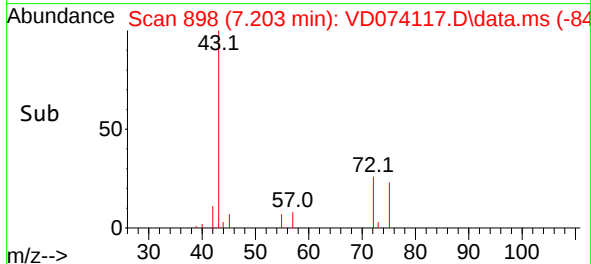
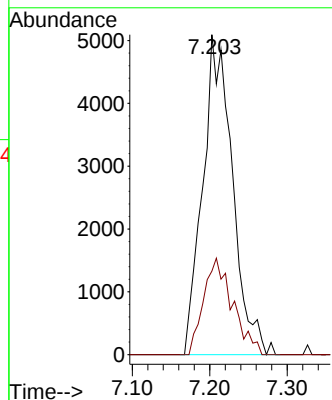
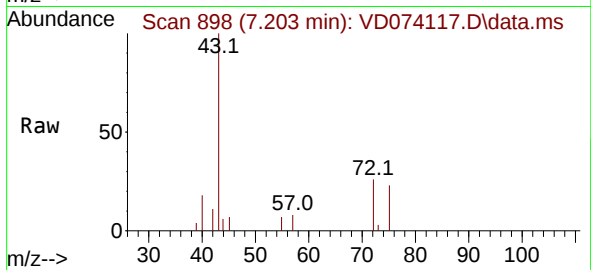




#25
2-Butanone
Concen: 56.991 ug/l
RT: 7.203 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD074117.D
Acq: 16 Aug 2022 22:39

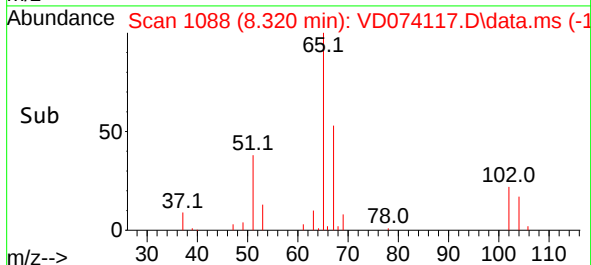
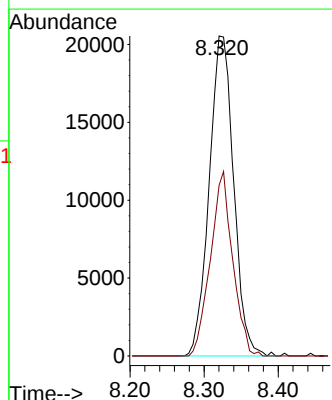
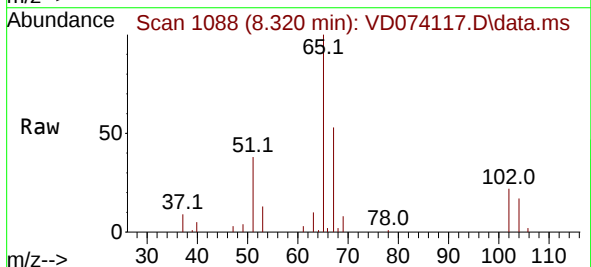
Instrument :
MSVOA_D
ClientSampleId :
WC-4RE

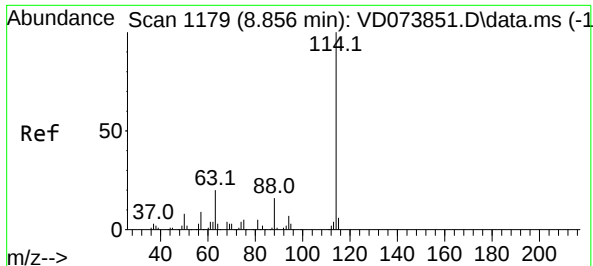
Tgt Ion: 43 Resp: 13570
Ion Ratio Lower Upper
43 100
72 26.1 18.6 27.8



#33
1,2-Dichloroethane-d4
Concen: 71.112 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD074117.D
Acq: 16 Aug 2022 22:39

Tgt Ion: 65 Resp: 47105
Ion Ratio Lower Upper
65 100
67 52.5 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD074117.D

Acq: 16 Aug 2022 22:39

Instrument :

MSVOA_D

ClientSampleId :

WC-4RE

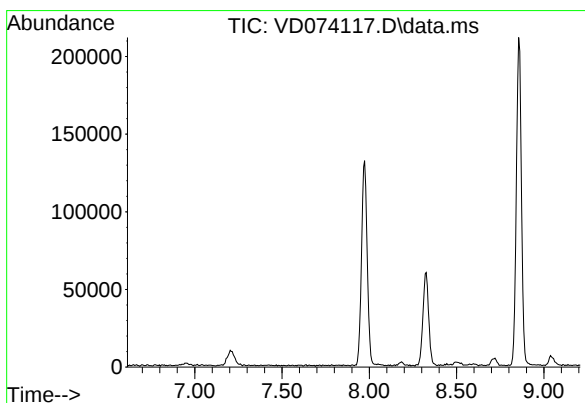
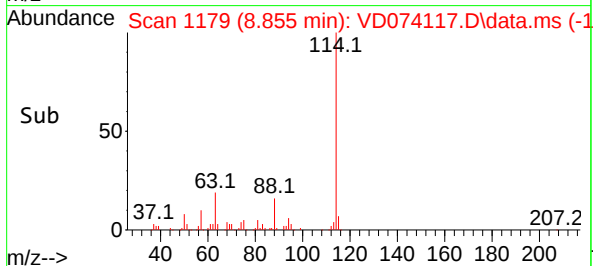
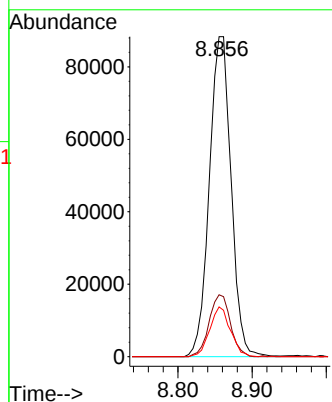
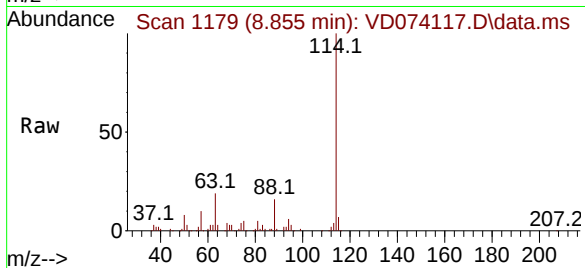
Tgt Ion:114 Resp: 180352

Ion Ratio Lower Upper

114 100

63 19.4 0.0 46.6

88 15.6 0.0 33.2



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 7.91 min

Lab File: VD074117.D

Acq: 16 Aug 2022 22:39

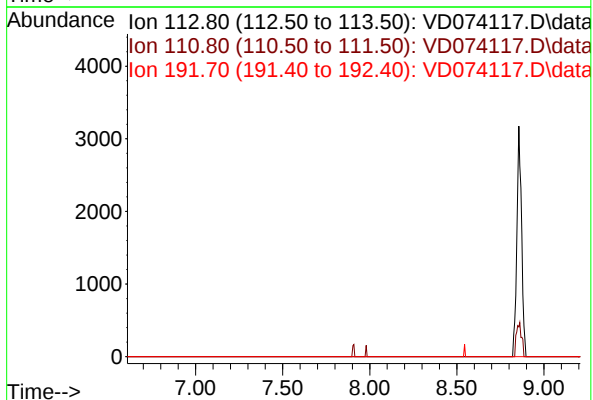
Tgt Ion: 113

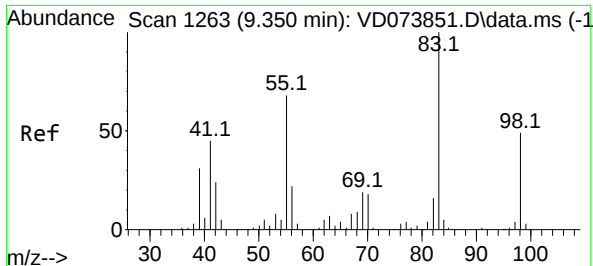
Sig Exp Ratio

113 100

111 104.7

192 18.2





#39

Methylcyclohexane

Concen: 2.793 ug/l

RT: 9.350 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD074117.D

Acq: 16 Aug 2022 22:39

Instrument :

MSVOA_D

ClientSampleId :

WC-4RE

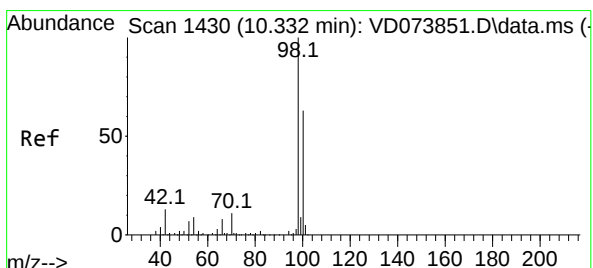
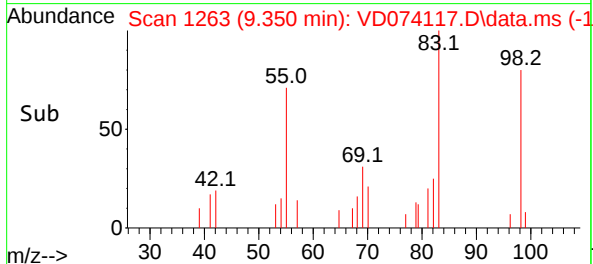
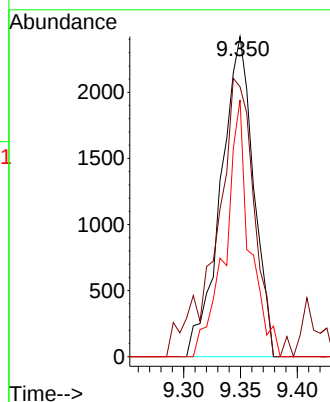
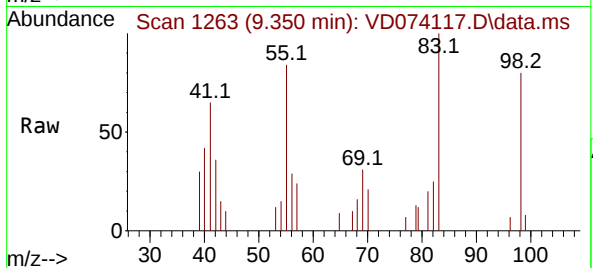
Tgt Ion: 83 Resp: 4840

Ion Ratio Lower Upper

83 100

55 84.3 63.2 94.8

98 80.3 38.2 57.4#



#50

Toluene-d8

Concen: 37.365 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD074117.D

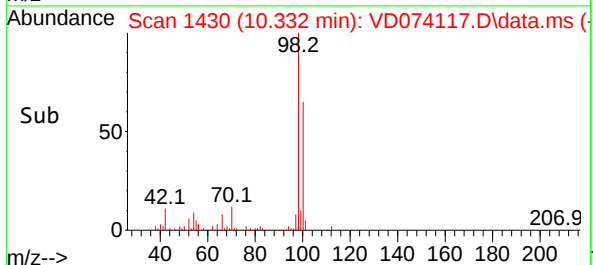
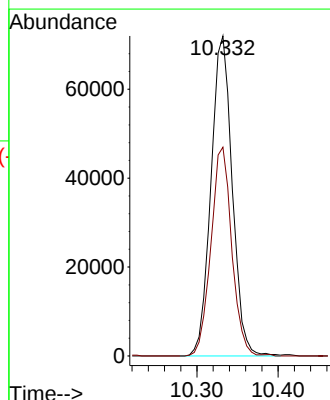
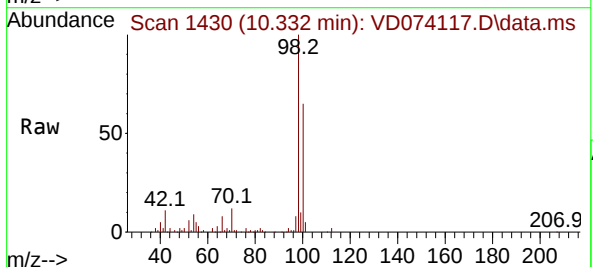
Acq: 16 Aug 2022 22:39

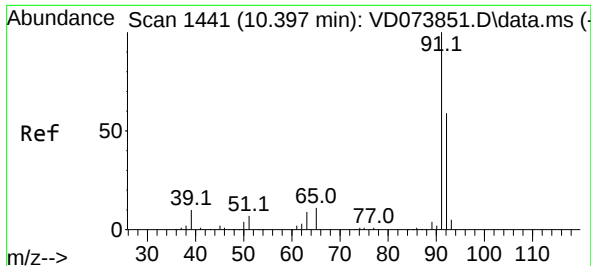
Tgt Ion: 98 Resp: 130746

Ion Ratio Lower Upper

98 100

100 64.0 52.4 78.6

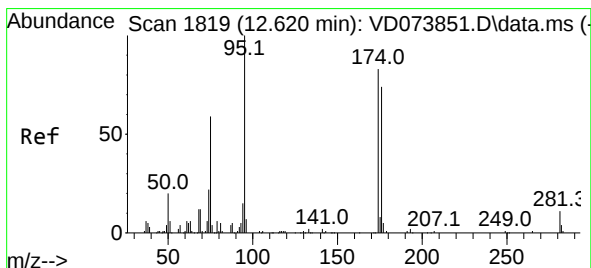
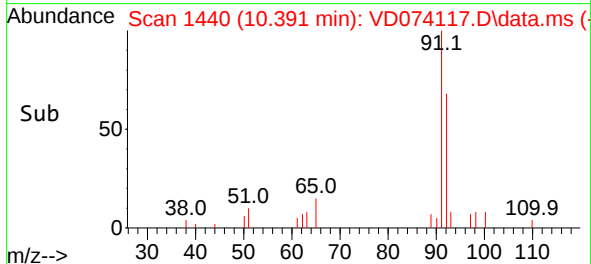
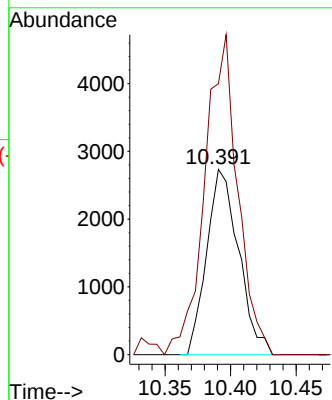
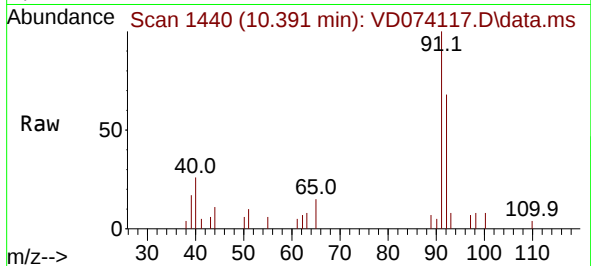




#52
Toluene
Concen: 1.599 ug/l
RT: 10.391 min Scan# 1440
Delta R.T. -0.006 min
Lab File: VD074117.D
Acq: 16 Aug 2022 22:39

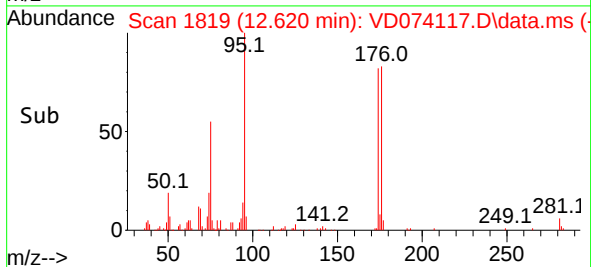
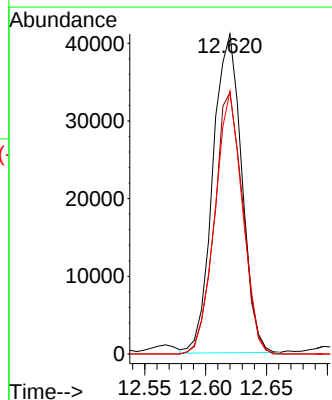
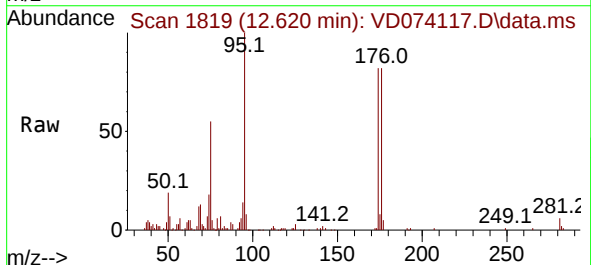
Instrument :
MSVOA_D
ClientSampleId :
WC-4RE

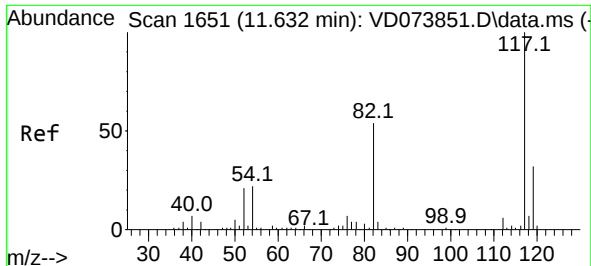
Tgt Ion: 92 Resp: 4643
Ion Ratio Lower Upper
92 100
91 178.0 139.6 209.4



#62
4-Bromofluorobenzene
Concen: 46.909 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD074117.D
Acq: 16 Aug 2022 22:39

Tgt Ion: 95 Resp: 67781
Ion Ratio Lower Upper
95 100
174 80.0 0.0 152.8
176 78.5 0.0 145.4

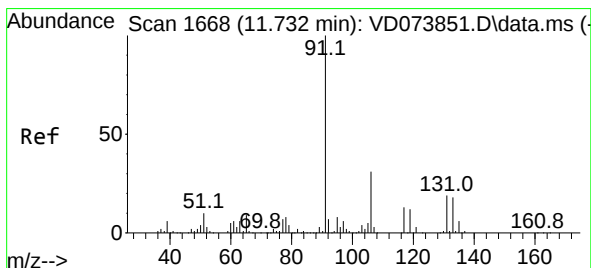
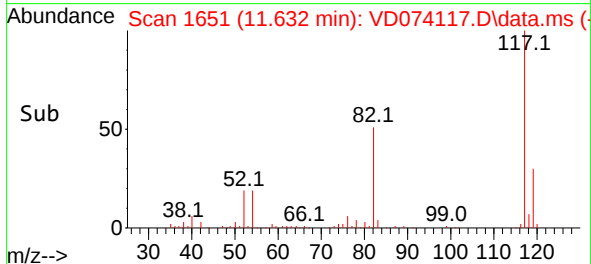
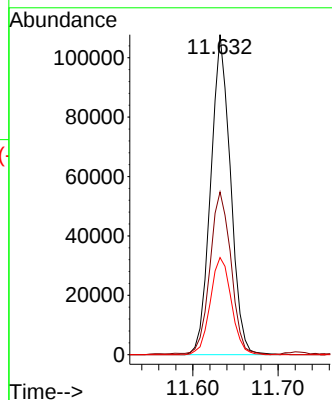
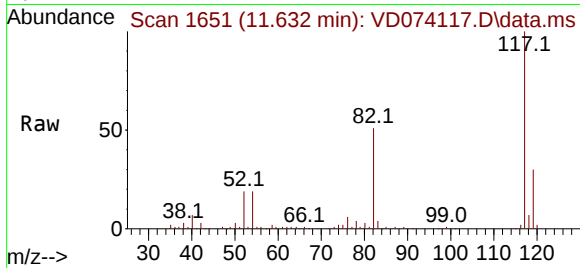




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD074117.D
Acq: 16 Aug 2022 22:39

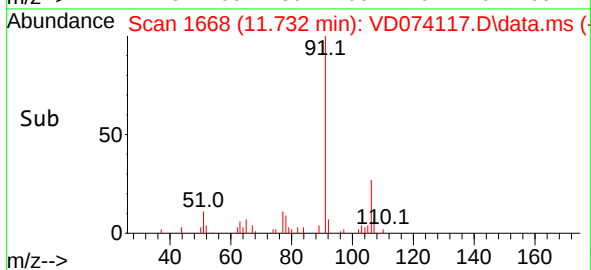
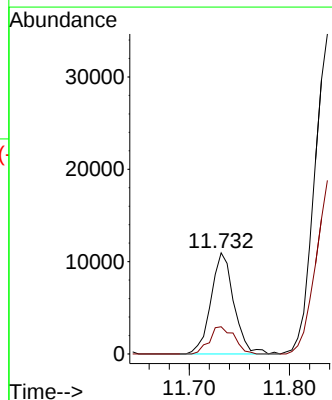
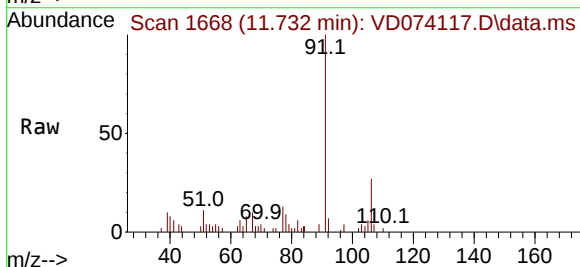
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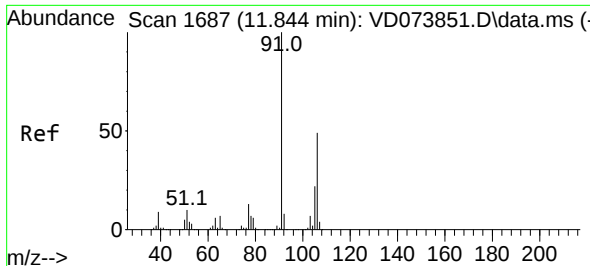
Tgt Ion:117 Resp: 173754
Ion Ratio Lower Upper
117 100
82 50.6 45.3 67.9
119 30.4 26.6 40.0



#67
Ethyl Benzene
Concen: 2.999 ug/l
RT: 11.732 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VD074117.D
Acq: 16 Aug 2022 22:39

Tgt Ion: 91 Resp: 17449
Ion Ratio Lower Upper
91 100
106 26.9 24.2 36.4

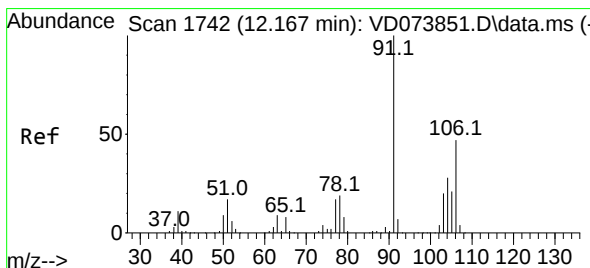
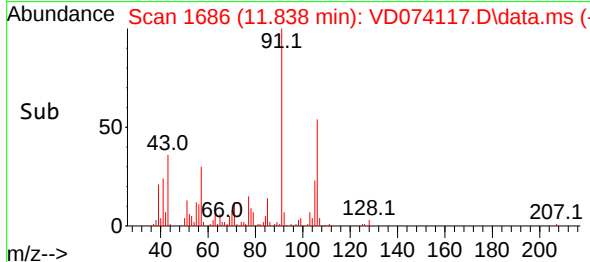
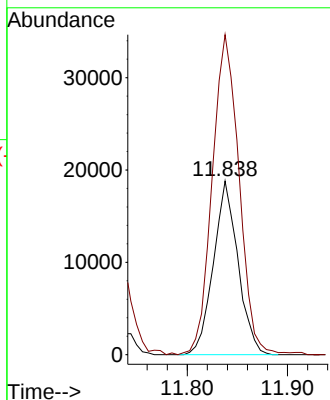
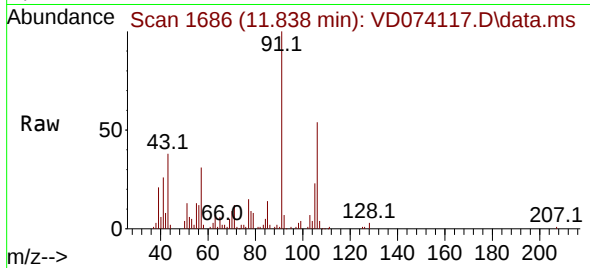




#68
m/p-Xylenes
Concen: 13.705 ug/l
RT: 11.838 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD074117.D
Acq: 16 Aug 2022 22:39

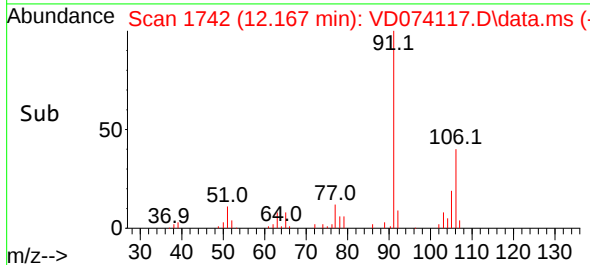
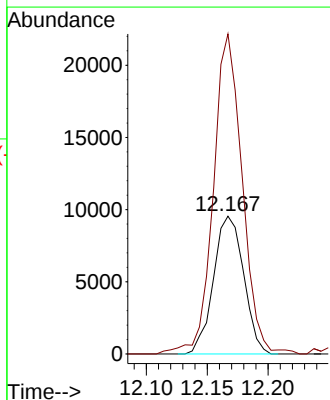
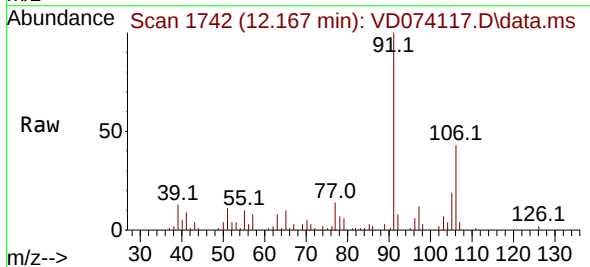
Instrument :
MSVOA_D
ClientSampleId :
WC-4RE

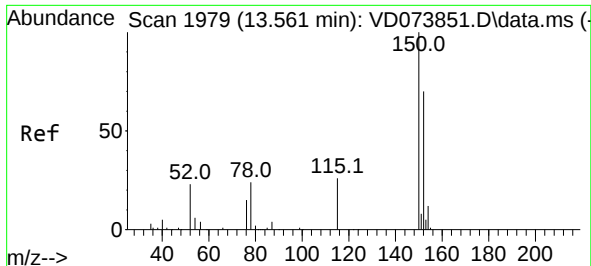
Tgt Ion:106 Resp: 32018
Ion Ratio Lower Upper
106 100
91 201.5 163.7 245.5



#69
o-Xylene
Concen: 7.730 ug/l
RT: 12.167 min Scan# 1742
Delta R.T. 0.000 min
Lab File: VD074117.D
Acq: 16 Aug 2022 22:39

Tgt Ion:106 Resp: 16456
Ion Ratio Lower Upper
106 100
91 222.6 110.4 331.2

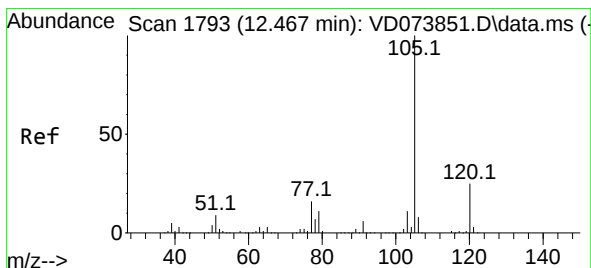
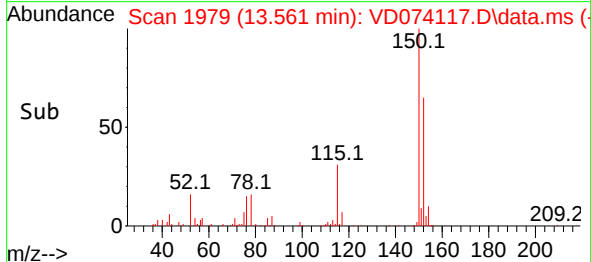
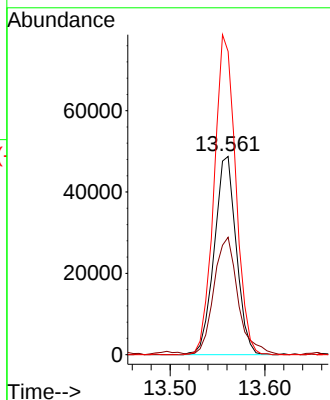
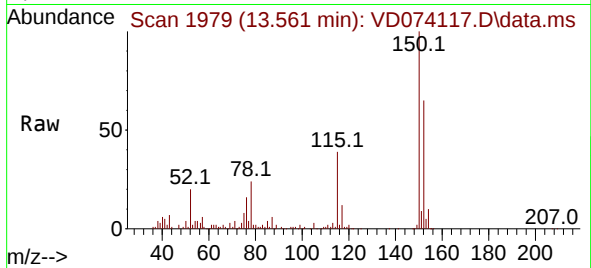




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1799
Delta R.T. 0.000 min
Lab File: VD074117.D
Acq: 16 Aug 2022 22:39

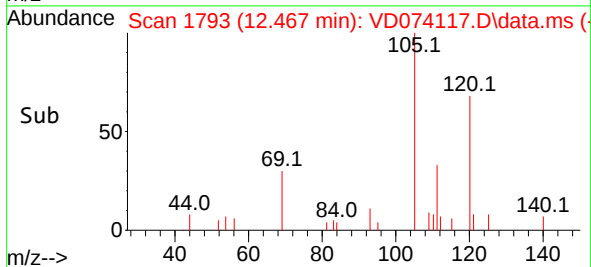
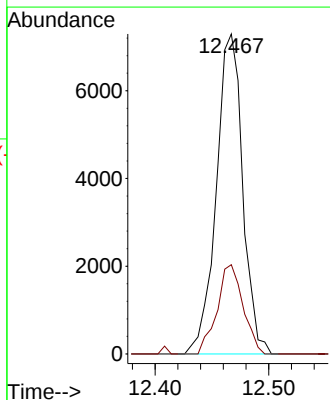
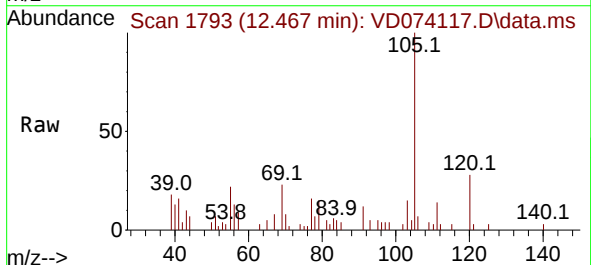
Instrument :
MSVOA_D
ClientSampleId :
WC-4RE

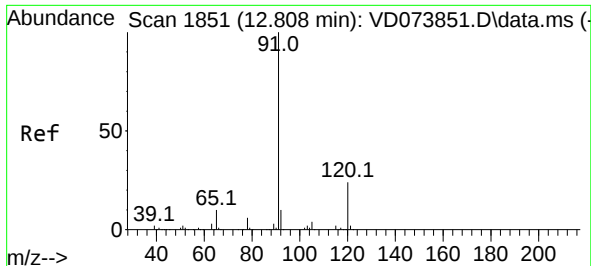
Tgt Ion:152 Resp: 78807
Ion Ratio Lower Upper
152 100
115 65.0 31.3 93.8
150 158.5 0.0 348.6



#73
Isopropylbenzene
Concen: 2.375 ug/l
RT: 12.467 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD074117.D
Acq: 16 Aug 2022 22:39

Tgt Ion:105 Resp: 11767
Ion Ratio Lower Upper
105 100
120 27.5 13.0 38.9

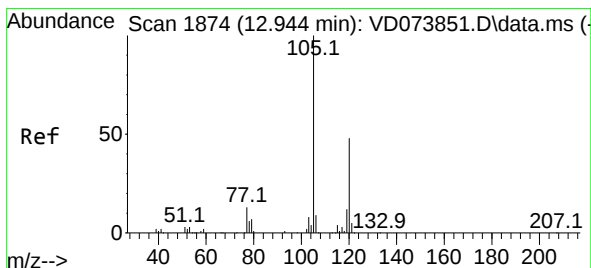
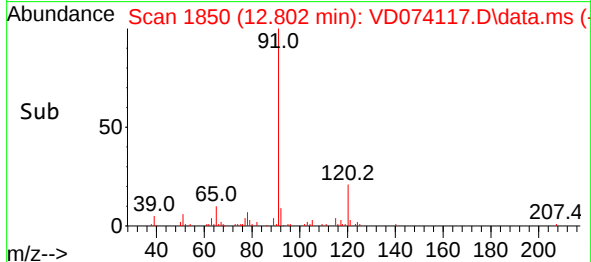
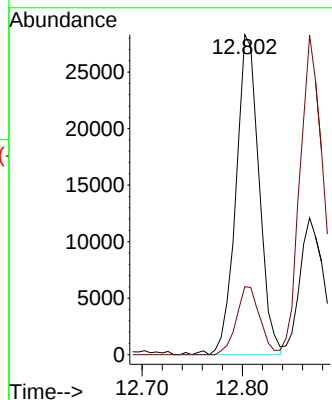
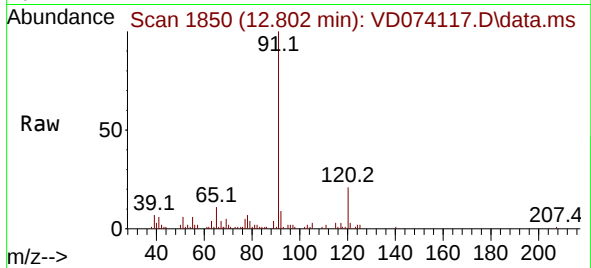




#78
n-propylbenzene
Concen: 7.397 ug/l
RT: 12.802 min Scan# 1850
Delta R.T. -0.006 min
Lab File: VD074117.D
Acq: 16 Aug 2022 22:39

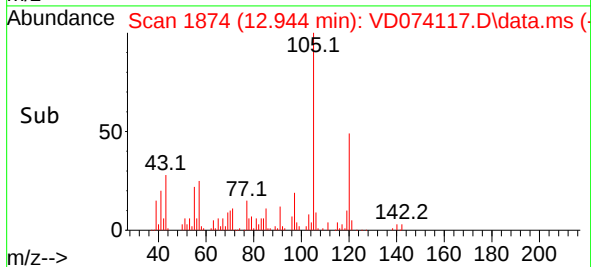
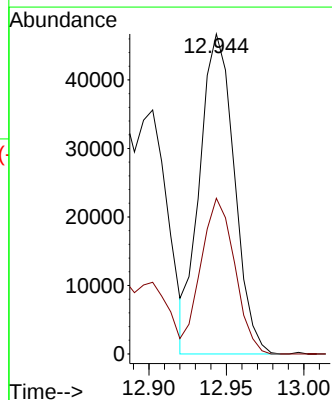
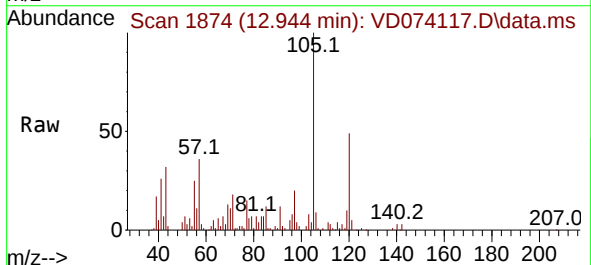
Instrument :
MSVOA_D
ClientSampleId :
WC-4RE

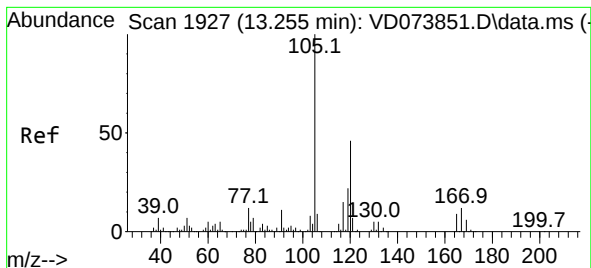
Tgt Ion: 91 Resp: 45379
Ion Ratio Lower Upper
91 100
120 21.4 10.9 32.9



#80
1,3,5-Trimethylbenzene
Concen: 17.158 ug/l
RT: 12.944 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VD074117.D
Acq: 16 Aug 2022 22:39

Tgt Ion: 105 Resp: 72550
Ion Ratio Lower Upper
105 100
120 47.6 24.3 72.8





#84

1,2,4-Trimethylbenzene

Concen: 58.949 ug/l

RT: 13.255 min Scan# 1927

Delta R.T. 0.000 min

Lab File: VD074117.D

Acq: 16 Aug 2022 22:39

Instrument :

MSVOA_D

ClientSampleId :

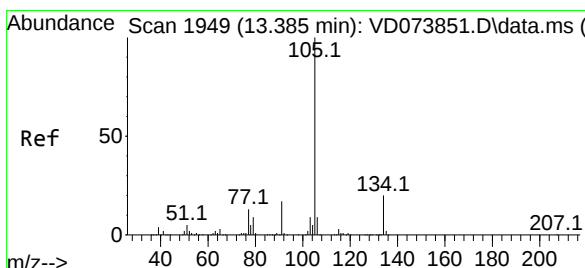
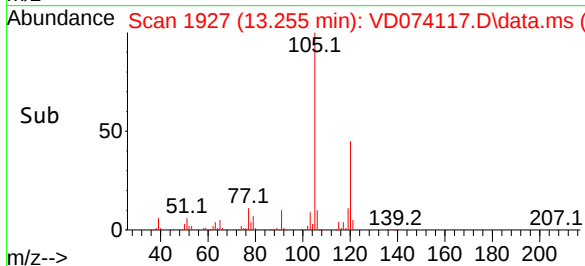
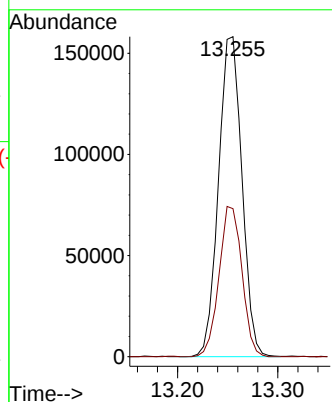
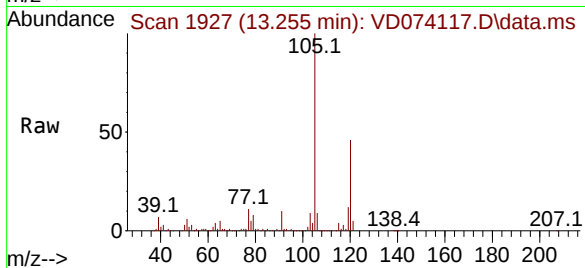
WC-4RE

Tgt Ion:105 Resp: 256187

Ion Ratio Lower Upper

105 100

120 45.9 22.3 66.8



#85

sec-Butylbenzene

Concen: 4.049 ug/l

RT: 13.385 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VD074117.D

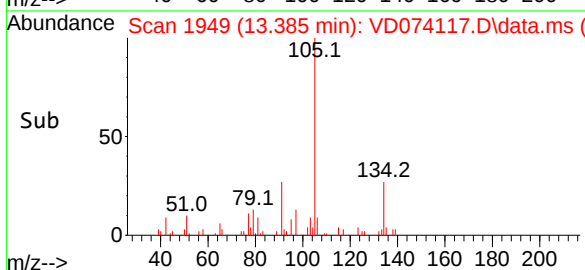
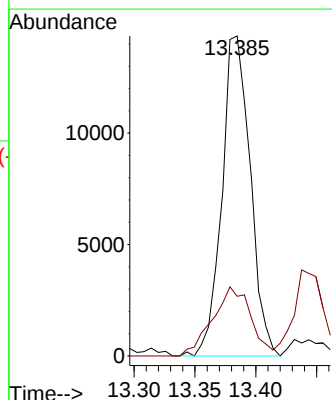
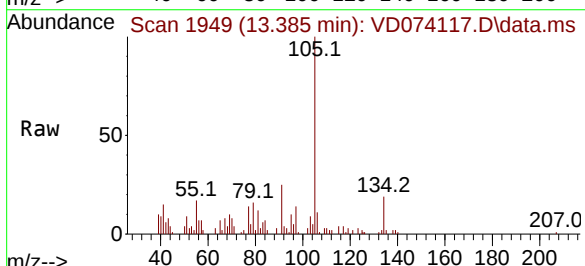
Acq: 16 Aug 2022 22:39

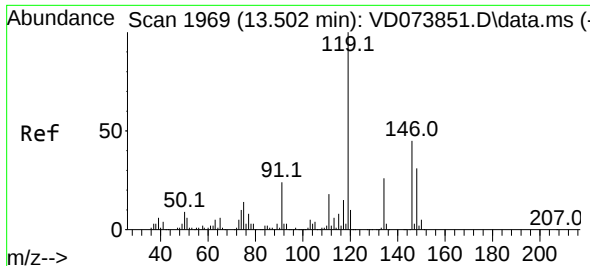
Tgt Ion:105 Resp: 23279

Ion Ratio Lower Upper

105 100

134 29.1 9.8 29.3

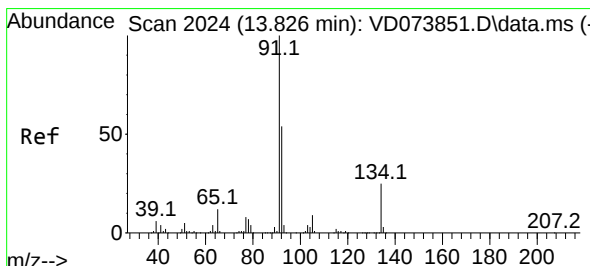
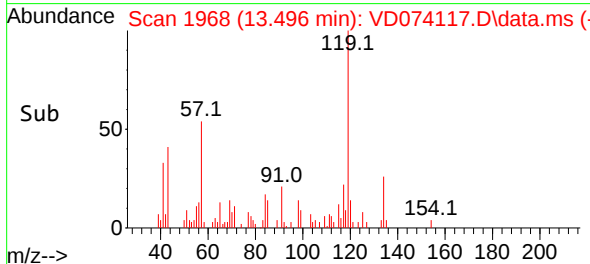
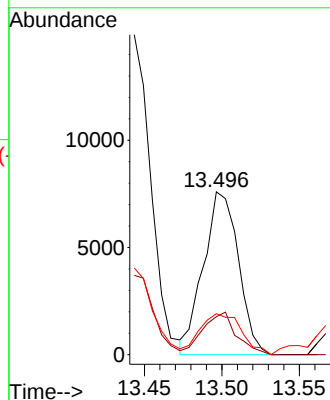
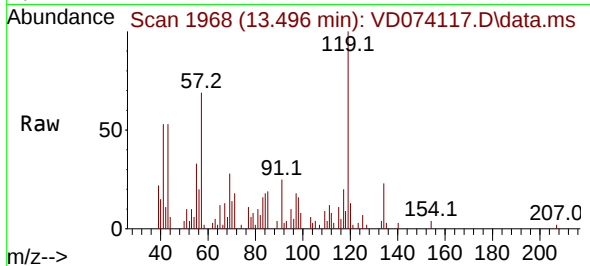




#86
p-Isopropyltoluene
Concen: 2.492 ug/l
RT: 13.496 min Scan# 1968
Delta R.T. -0.006 min
Lab File: VD074117.D
Acq: 16 Aug 2022 22:39

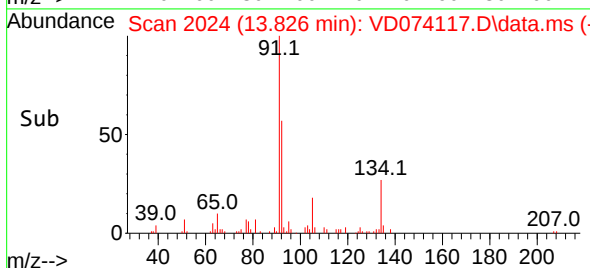
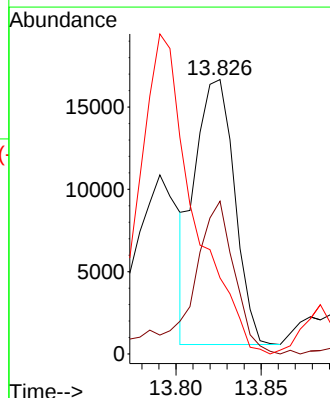
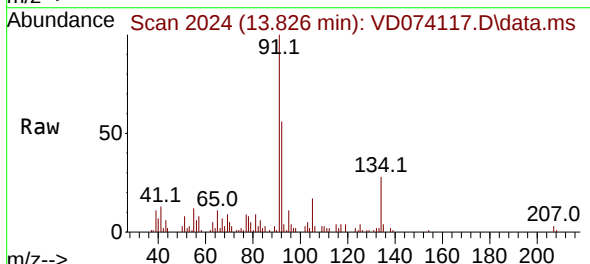
Instrument :
MSVOA_D
ClientSampleId :
WC-4RE

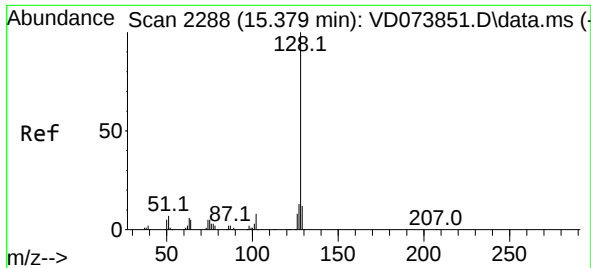
Tgt Ion:	119	Resp:	11948
Ion Ratio	Lower	Upper	
119	100		
134	25.0	12.9	38.6
91	30.0	12.1	36.3



#89
n-Butylbenzene
Concen: 5.655 ug/l
RT: 13.826 min Scan# 2024
Delta R.T. -0.000 min
Lab File: VD074117.D
Acq: 16 Aug 2022 22:39

Tgt Ion:	91	Resp:	25978
Ion Ratio	Lower	Upper	
91	100		
92	61.5	26.6	79.8
134	0.0	12.3	36.9#





#95

Naphthalene

Concen: 29.534 ug/l

RT: 15.373 min Scan# 21

Delta R.T. -0.006 min

Lab File: VD074117.D

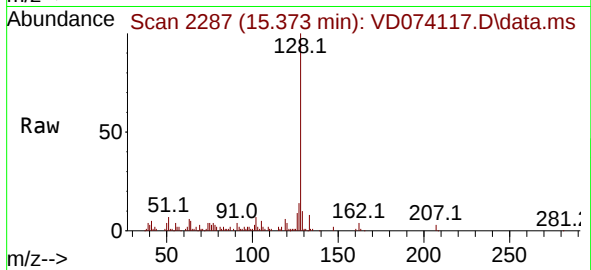
Acq: 16 Aug 2022 22:39

Instrument :

MSVOA_D

ClientSampleId :

WC-4RE



Tgt Ion:128 Resp: 74478

Ion Ratio Lower Upper

128 100

127 15.0 10.3 15.5

129 11.9 8.4 12.6

