

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD053122\
 Data File : VD073431.D
 Acq On : 31 May 2022 18:11
 Operator : VA/SY
 Sample : N3104-01RE
 Misc : 5.38G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-6RE

Quant Time: Jun 01 01:38:41 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)

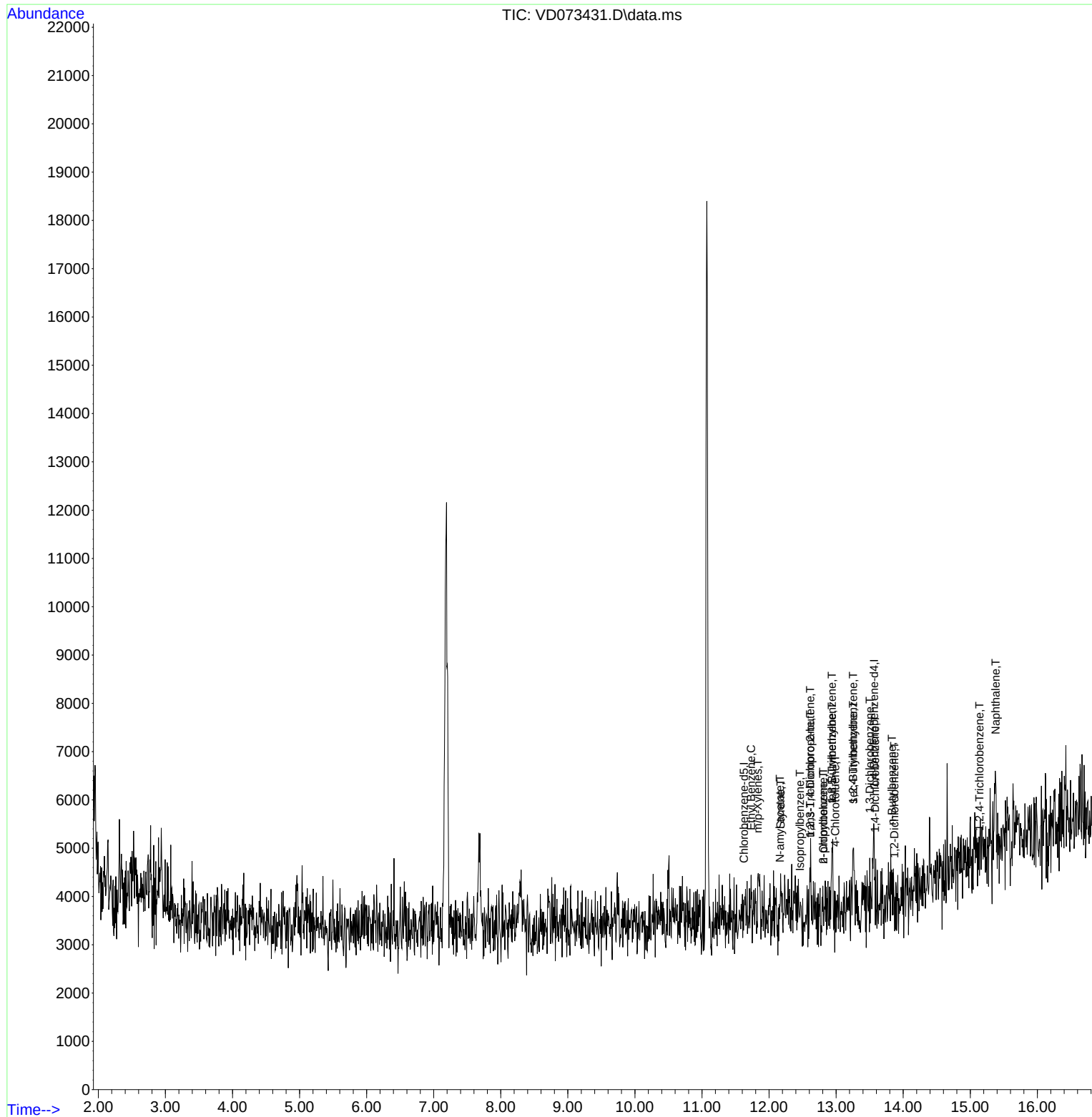
Internal Standards						
1) Pentafluorobenzene	0.000	168	0	0.000	ug/l	-7.97
34) 1,4-Difluorobenzene	0.000	114	0	0.000	ug/l	-8.86
63) Chlorobenzene-d5	11.626	117	488	50.000	ug/l	#-0.01
72) 1,4-Dichlorobenzene-d4	13.567	152	341	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0	0.000	ug/l	
Spiked Amount	50.000	Range	50 - 163	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0	0.000	ug/l	
Spiked Amount	50.000	Range	54 - 147	Recovery	=	0.000%#
50) Toluene-d8	10.338	98	188	0.000	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	12.614	95	265	0.000	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	0.000%#
Target Compounds						
					Qvalue	
67) Ethyl Benzene	11.732	91	475	27.028	ug/l #	67
68) m/p-Xylenes	11.832	106	395	57.851	ug/l #	50
70) Styrene	12.173	104	66	6.116	ug/l #	25
73) Isopropylbenzene	12.461	105	110	4.525	ug/l #	49
74) N-amyl acetate	12.161	43	64	12.068	ug/l #	45
76) 1,2,3-Trichloropropane	12.614	75	66	19.726	ug/l #	100
78) n-propylbenzene	12.808	91	409	13.402	ug/l #	54
79) 2-Chlorotoluene	12.808	91	409	23.211	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.937	105	123	5.973	ug/l #	29
81) trans-1,4-Dichloro-2-b...	12.614	75	66	47.357	ug/l #	7
82) 4-Chlorotoluene	12.985	91	136	7.363	ug/l #	42
83) tert-Butylbenzene	12.937	119	62	3.572	ug/l #	24
84) 1,2,4-Trimethylbenzene	13.255	105	657	32.295	ug/l	73
85) sec-Butylbenzene	13.255	105	657	24.792	ug/l #	57
87) 1,3-Dichlorobenzene	13.502	146	134	11.617	ug/l #	25
88) 1,4-Dichlorobenzene	13.579	146	152	13.054	ug/l #	1
89) n-Butylbenzene	13.832	91	71	3.449	ug/l #	8
91) 1,2-Dichlorobenzene	13.867	146	55	5.511	ug/l #	24
93) 1,2,4-Trichlorobenzene	15.137	180	138	24.356	ug/l #	12
95) Naphthalene	15.379	128	1150	99.298	ug/l #	70

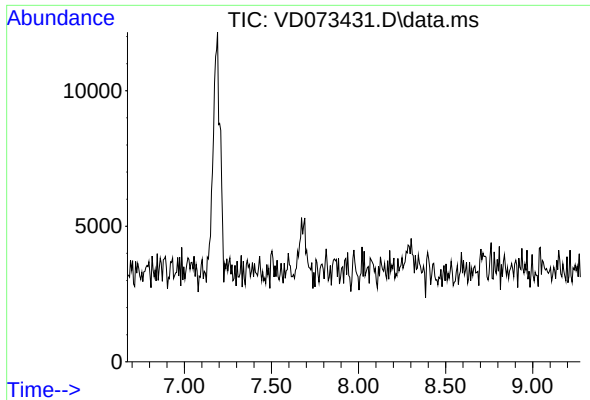
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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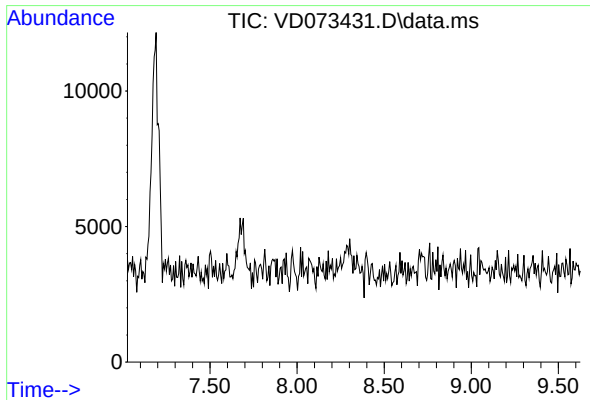
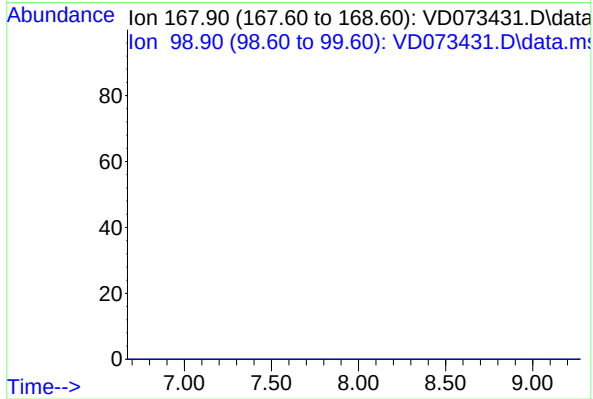


#1
Pentafluorobenzene
Concen: 0.000 ug/l
Expected RT: 7.97 min

Lab File: VD073431.D
Acq: 31 May 2022 18:11

Instrument :
MSVOA_D
ClientSampleId :
WC-6RE

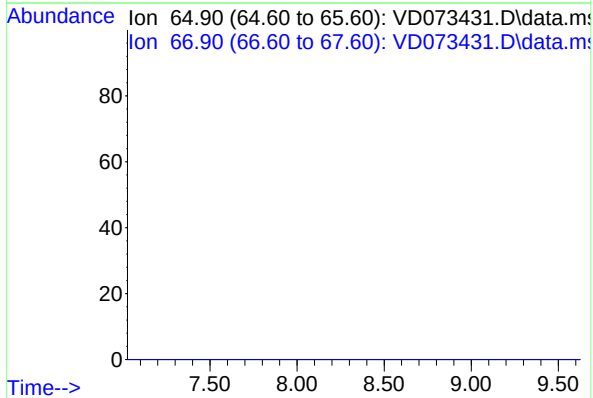
Tgt Ion: 168
Sig Exp Ratio
168 100
99 62.2

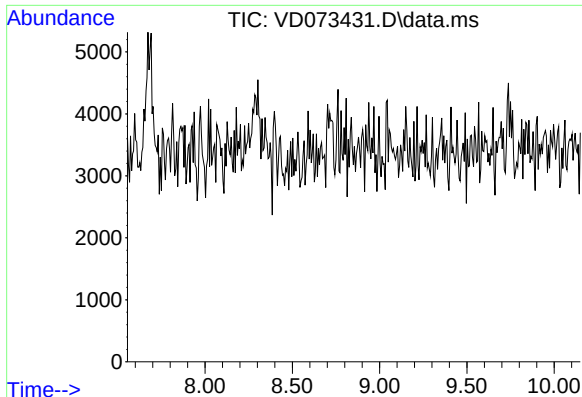


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 8.33 min

Lab File: VD073431.D
Acq: 31 May 2022 18:11

Tgt Ion: 65
Sig Exp Ratio
65 100
67 50.7



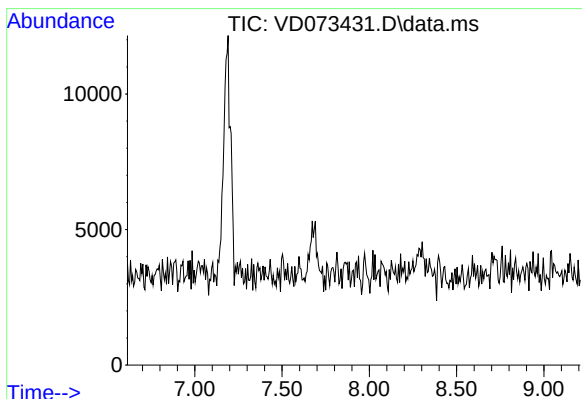
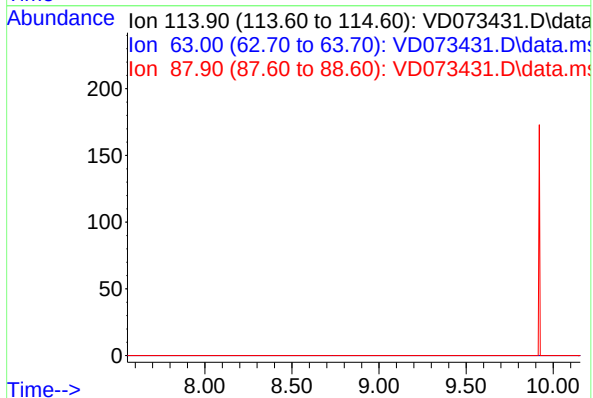


#34
 1,4-Difluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 8.86 min
 Lab File: VD073431.D
 Acq: 31 May 2022 18:11

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-6RE

Tgt Ion: 114

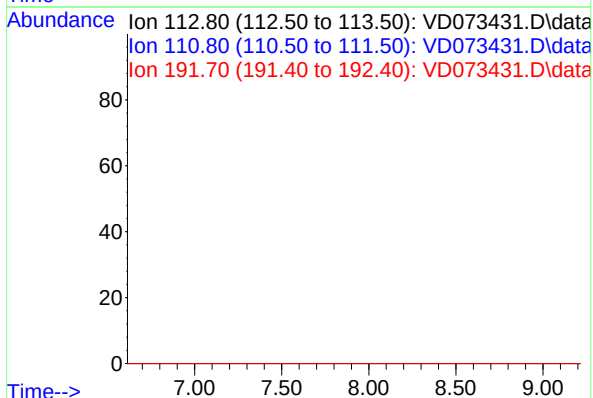
Sig	Exp Ratio
114	100
63	23.3
88	16.6

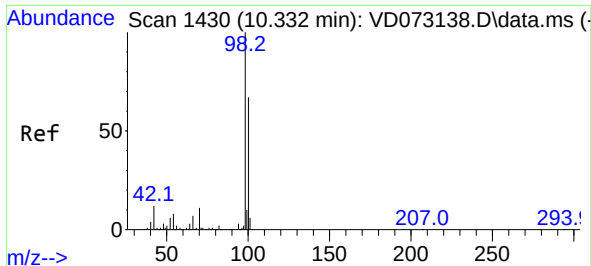


#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.91 min
 Lab File: VD073431.D
 Acq: 31 May 2022 18:11

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	104.7
192	18.2

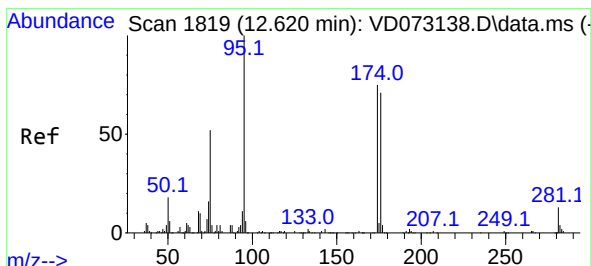
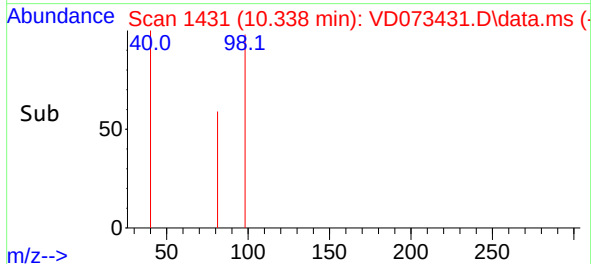
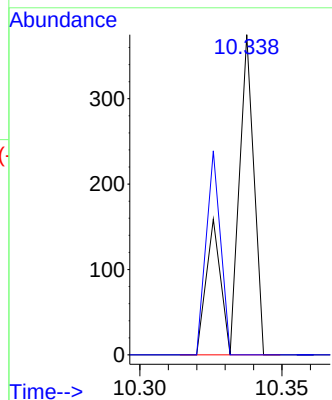
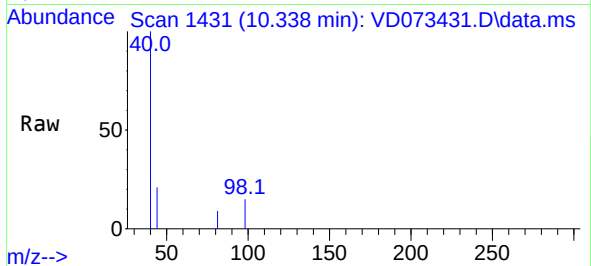




#50
Toluene-d8
Concen: 0.000 ug/l
RT: 10.338 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VD073431.D
Acq: 31 May 2022 18:11

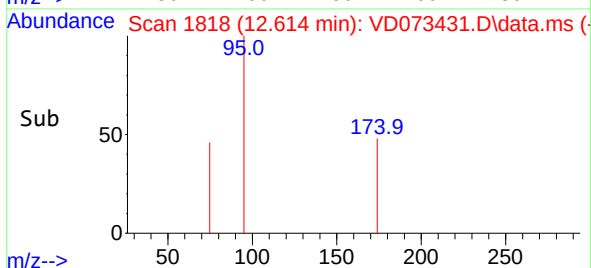
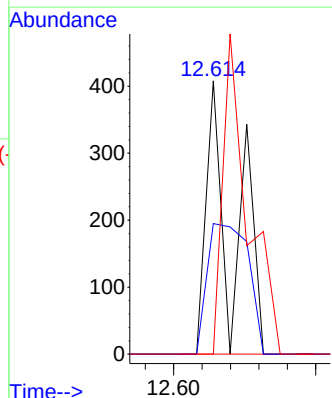
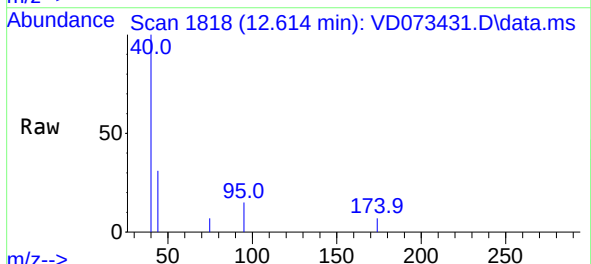
Instrument :
MSVOA_D
ClientSampleId :
WC-6RE

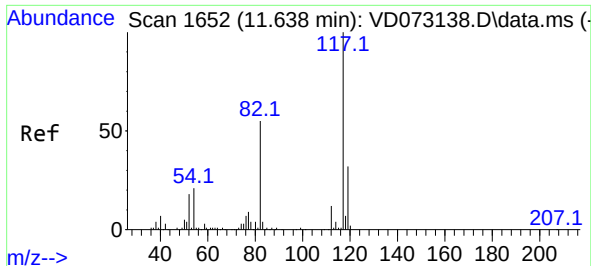
Tgt Ion: 98 Resp: 188
Ion Ratio Lower Upper
98 100
100 44.7 52.4 78.6#



#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.006 min
Lab File: VD073431.D
Acq: 31 May 2022 18:11

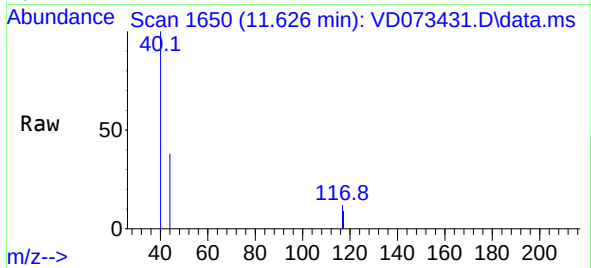
Tgt Ion: 95 Resp: 265
Ion Ratio Lower Upper
95 100
174 73.6 0.0 152.8
176 109.4 0.0 145.4



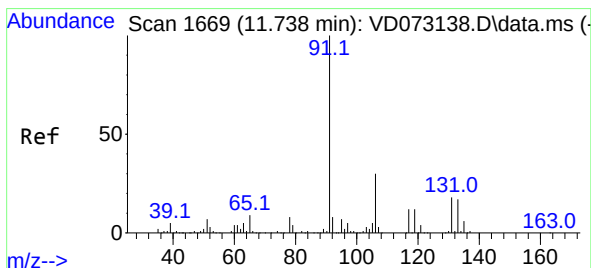
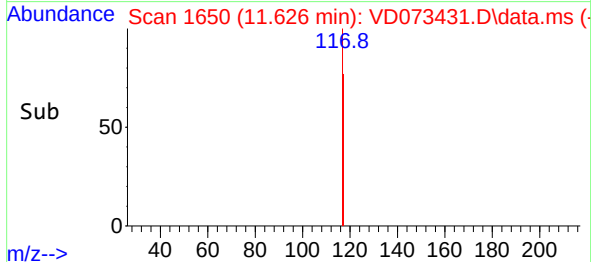
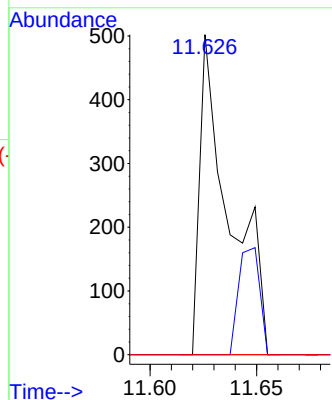


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.626 min Scan# 1650
Delta R.T. -0.012 min
Lab File: VD073431.D
Acq: 31 May 2022 18:11

Instrument :
MSVOA_D
ClientSampleId :
WC-6RE

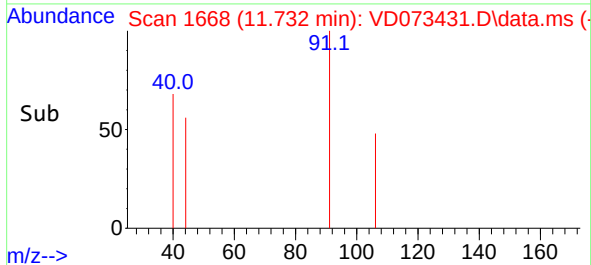
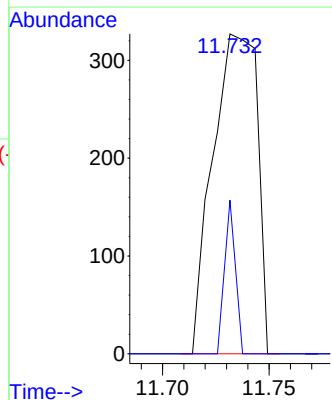
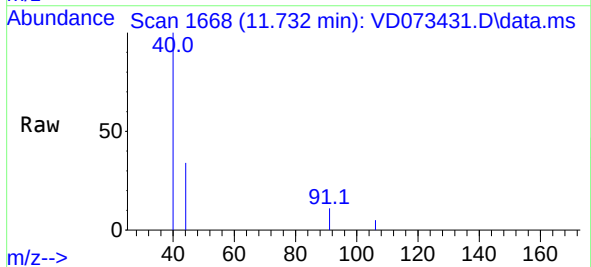


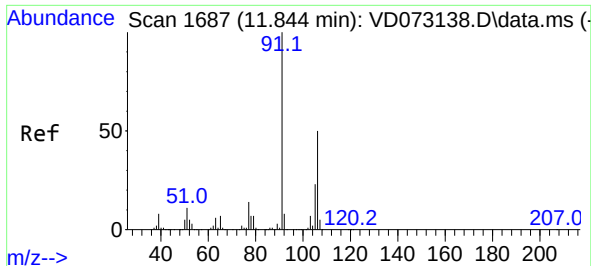
Tgt Ion:117 Resp: 488
Ion Ratio Lower Upper
117 100
82 0.0 45.3 67.9#
119 0.0 26.6 40.0#



#67
Ethyl Benzene
Concen: 27.028 ug/l
RT: 11.732 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VD073431.D
Acq: 31 May 2022 18:11

Tgt Ion: 91 Resp: 475
Ion Ratio Lower Upper
91 100
106 48.0 24.2 36.4#

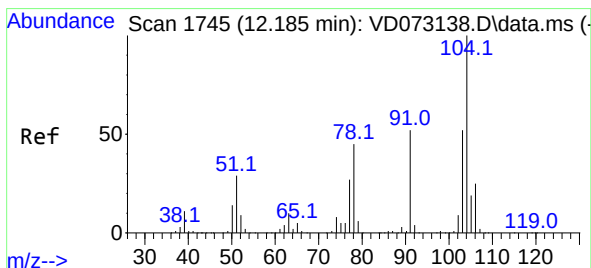
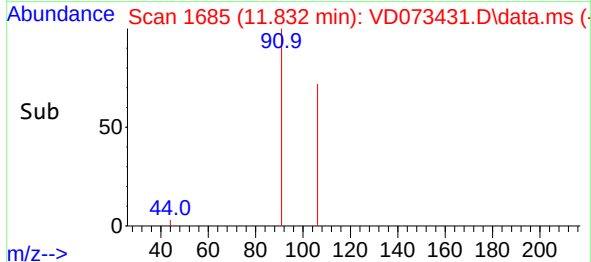
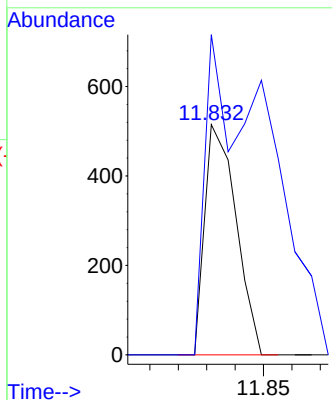
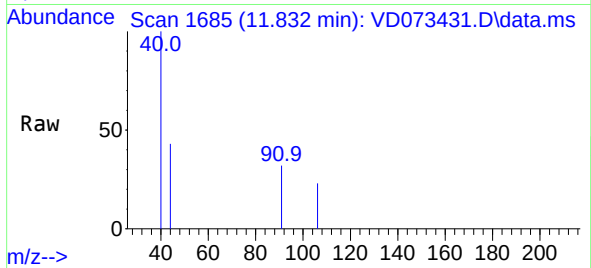




#68
m/p-Xylenes
Concen: 57.851 ug/l
RT: 11.832 min Scan# 1
Delta R.T. -0.012 min
Lab File: VD073431.D
Acq: 31 May 2022 18:11

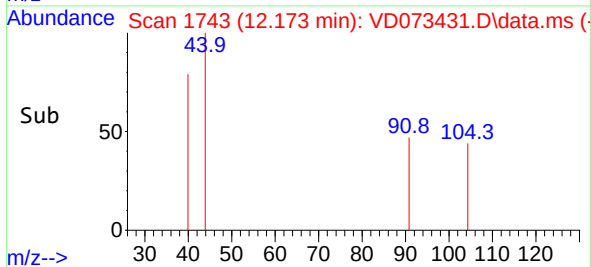
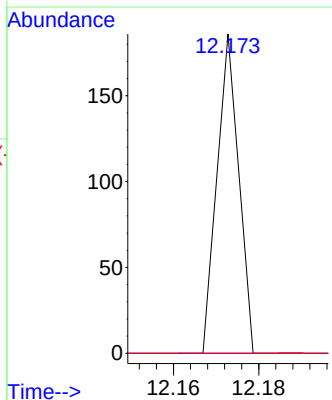
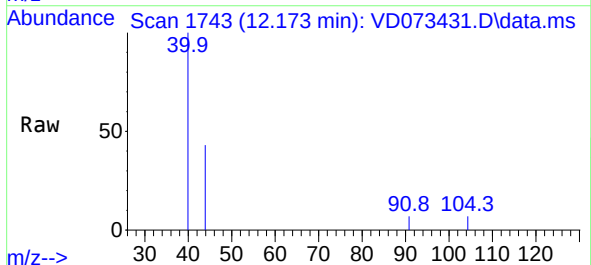
Instrument :
MSVOA_D
ClientSampleId :
WC-6RE

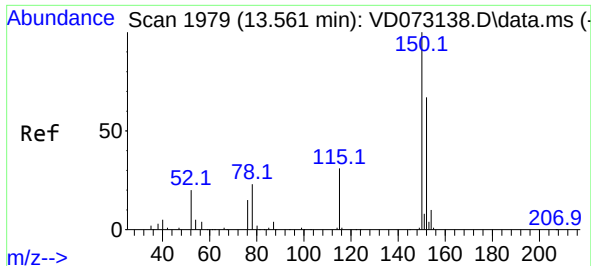
Tgt Ion:106 Resp: 395
Ion Ratio Lower Upper
106 100
91 281.3 163.7 245.5#



#70
Styrene
Concen: 6.116 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. -0.012 min
Lab File: VD073431.D
Acq: 31 May 2022 18:11

Tgt Ion:104 Resp: 66
Ion Ratio Lower Upper
104 100
78 0.0 41.8 62.8#
103 0.0 44.2 66.4#

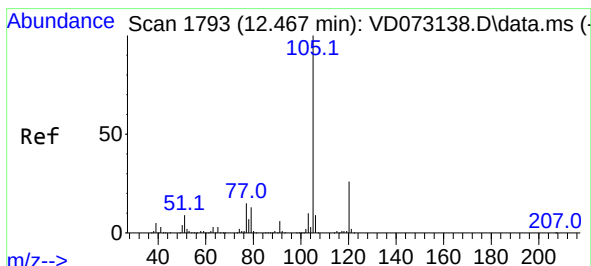
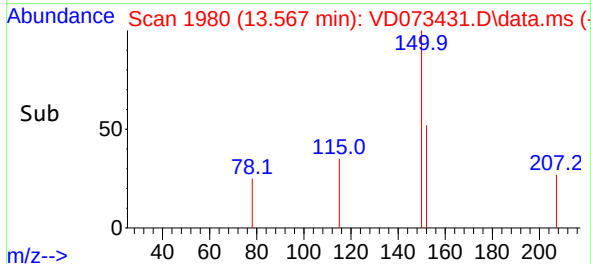
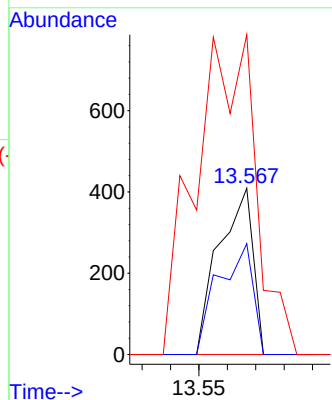
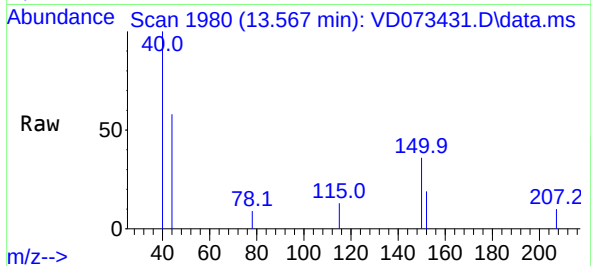




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD073431.D
Acq: 31 May 2022 18:11

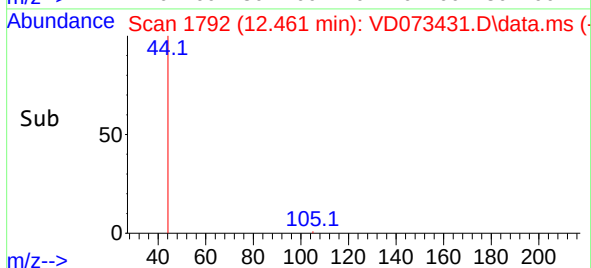
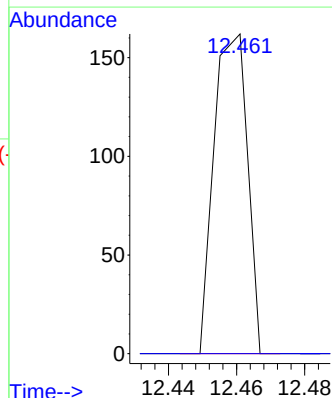
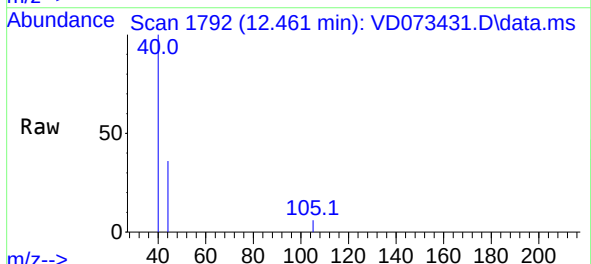
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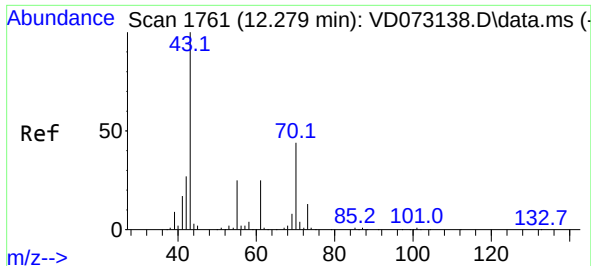
Tgt Ion:	152	Resp:	341
Ion	Ratio	Lower	Upper
152	100		
115	67.7	31.3	93.8
150	338.1	0.0	348.6



#73
Isopropylbenzene
Concen: 4.525 ug/l
RT: 12.461 min Scan# 1792
Delta R.T. -0.006 min
Lab File: VD073431.D
Acq: 31 May 2022 18:11

Tgt Ion:	105	Resp:	110
Ion	Ratio	Lower	Upper
105	100		
120	0.0	13.0	38.9#

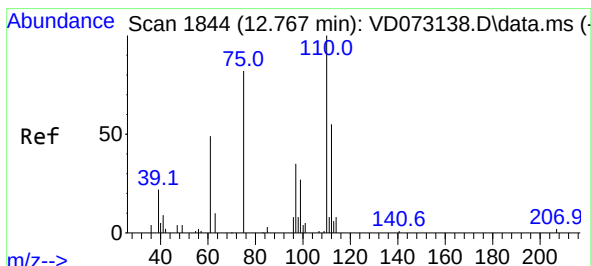
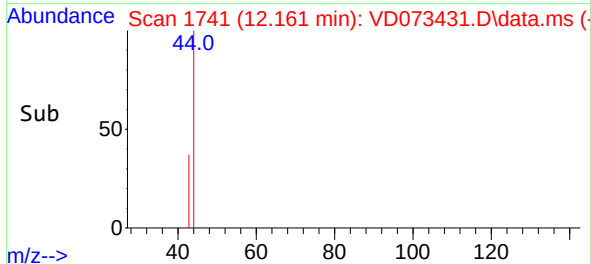
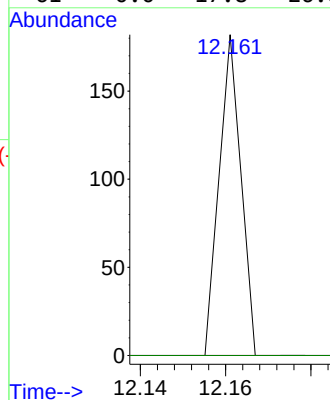
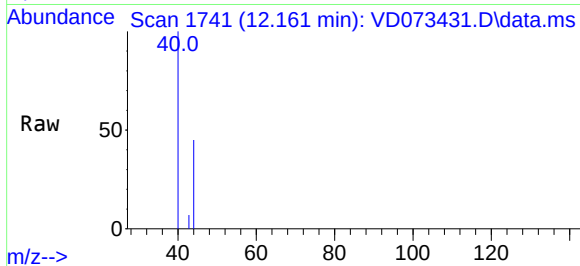




#74
N-amy1 acetate
Concen: 12.068 ug/l
RT: 12.161 min Scan# 11
Delta R.T. -0.118 min
Lab File: VD073431.D
Acq: 31 May 2022 18:11

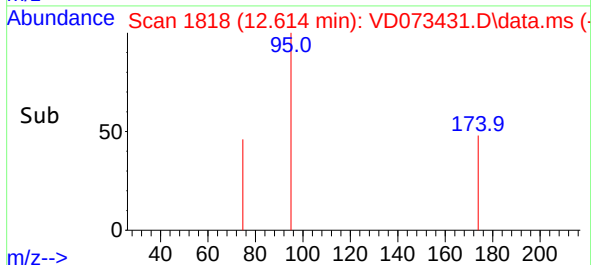
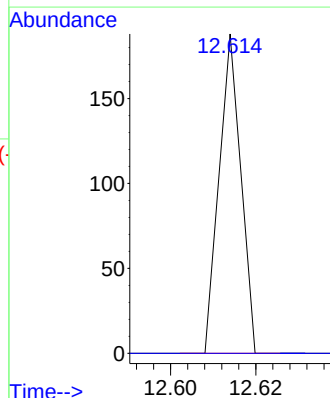
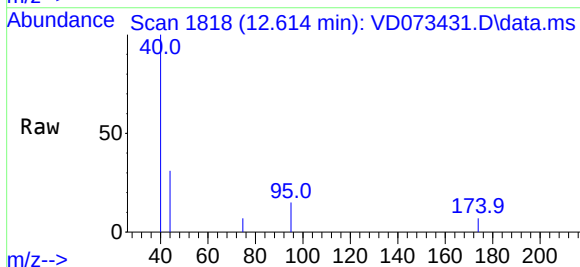
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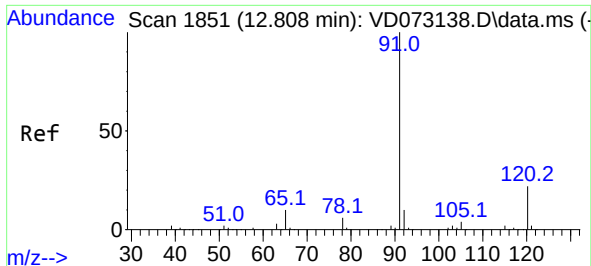
Tgt Ion: 43	Resp: 64
Ion Ratio	Lower Upper
43 100	
70 0.0	31.3 46.9#
55 0.0	20.0 30.0#
61 0.0	17.8 26.8#



#76
1,2,3-Trichloropropane
Concen: 19.726 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.153 min
Lab File: VD073431.D
Acq: 31 May 2022 18:11

Tgt Ion: 75	Resp: 66
Ion Ratio	Lower Upper
75 100	
77 0.0	0.0 0.0

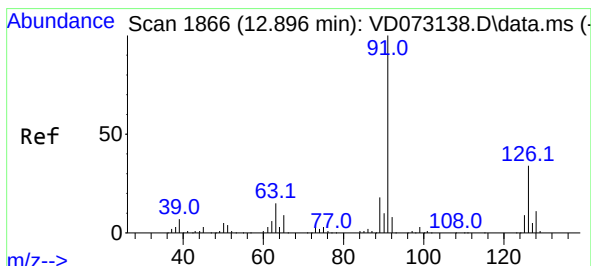
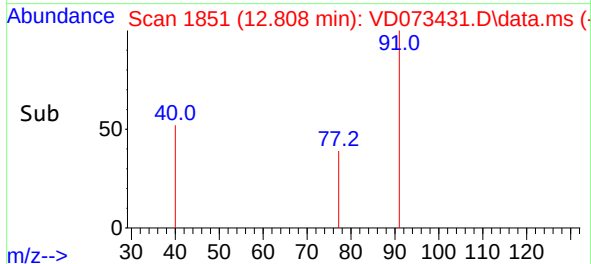
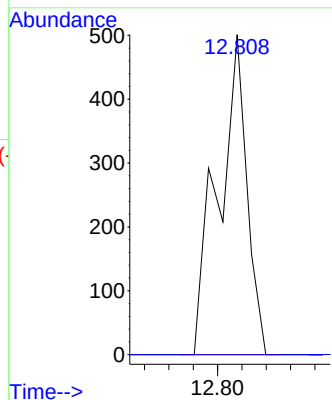
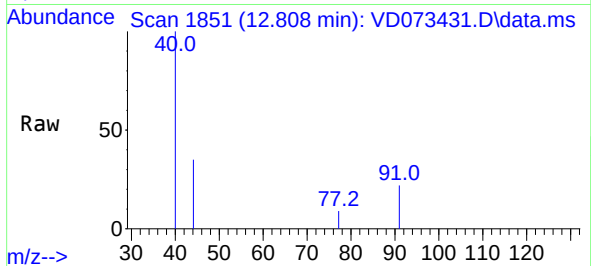




#78
n-propylbenzene
Concen: 13.402 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VD073431.D
Acq: 31 May 2022 18:11

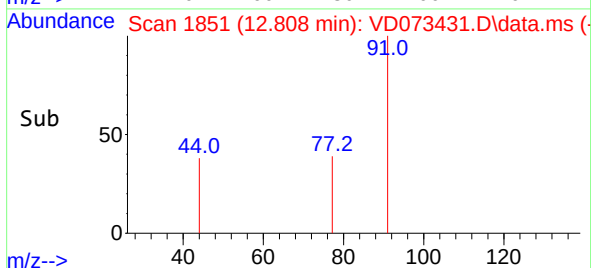
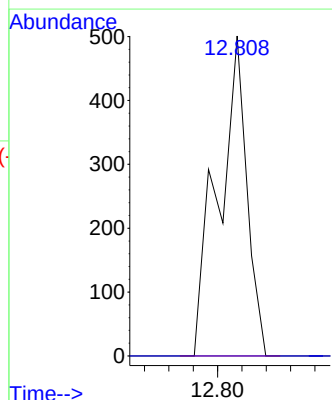
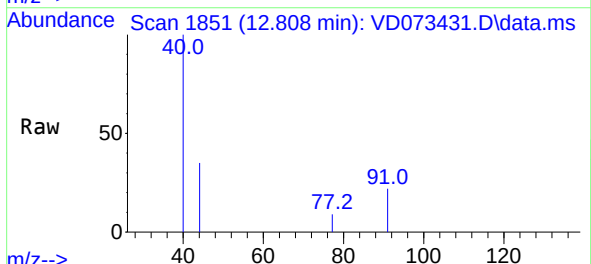
Instrument :
MSVOA_D
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WC-6RE

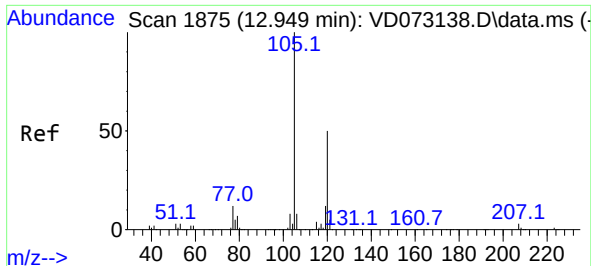
Tgt Ion: 91 Resp: 409
Ion Ratio Lower Upper
91 100
120 0.0 10.9 32.9#



#79
2-Chlorotoluene
Concen: 23.211 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.088 min
Lab File: VD073431.D
Acq: 31 May 2022 18:11

Tgt Ion: 91 Resp: 409
Ion Ratio Lower Upper
91 100
126 0.0 16.2 48.6#

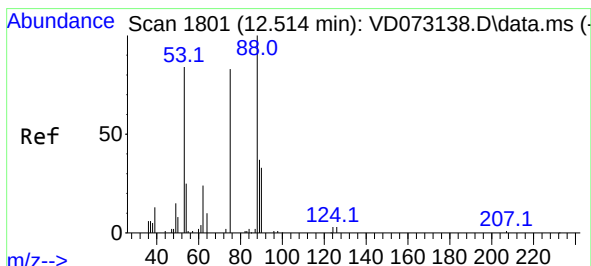
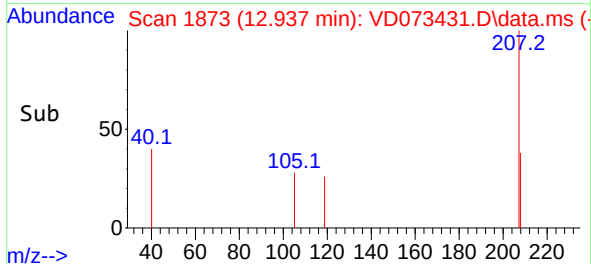
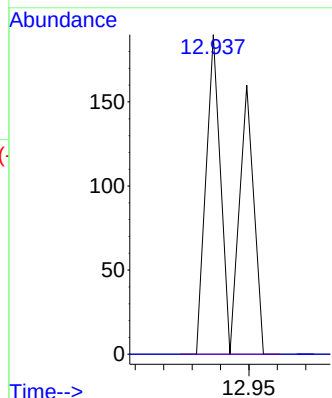
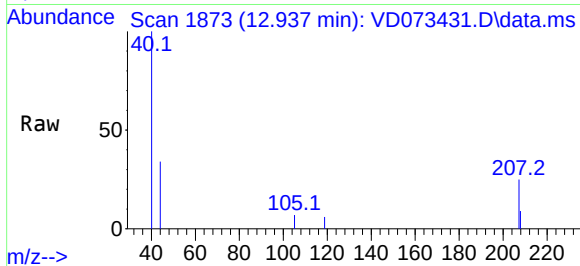




#80
 1,3,5-Trimethylbenzene
 Concen: 5.973 ug/l
 RT: 12.937 min Scan# 1875
 Delta R.T. -0.012 min
 Lab File: VD073431.D
 Acq: 31 May 2022 18:11

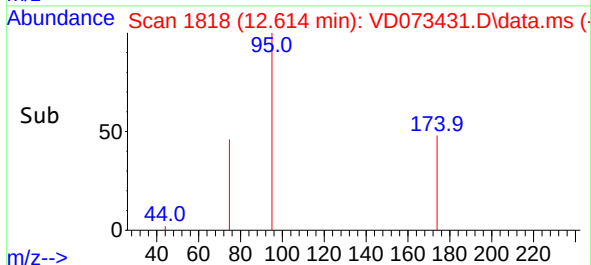
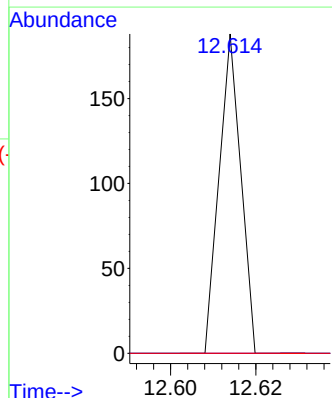
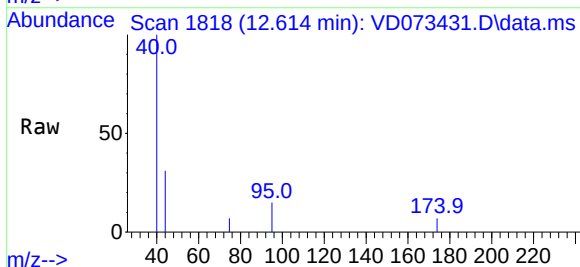
Instrument :
 MSVOA_D
 ClientSampleId :
 WC-6RE

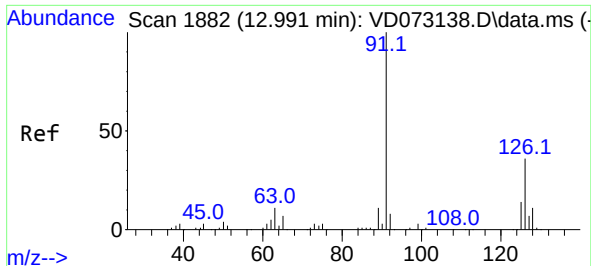
Tgt Ion:105 Resp: 123
 Ion Ratio Lower Upper
 105 100
 120 0.0 24.3 72.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 47.357 ug/l
 RT: 12.614 min Scan# 1818
 Delta R.T. 0.100 min
 Lab File: VD073431.D
 Acq: 31 May 2022 18:11

Tgt Ion: 75 Resp: 66
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.0 33.9 50.9#

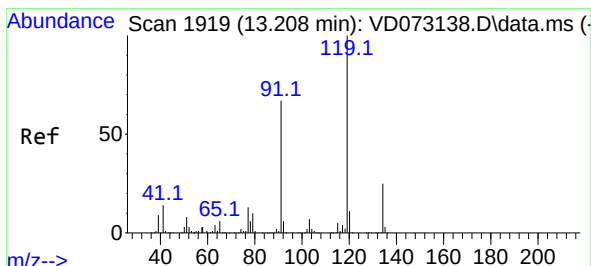
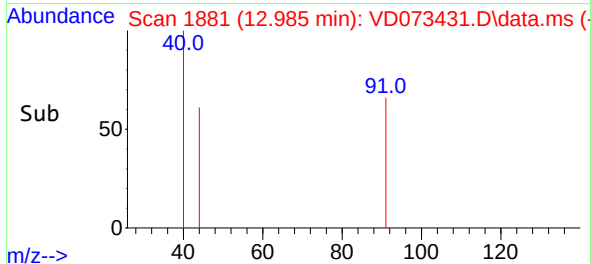
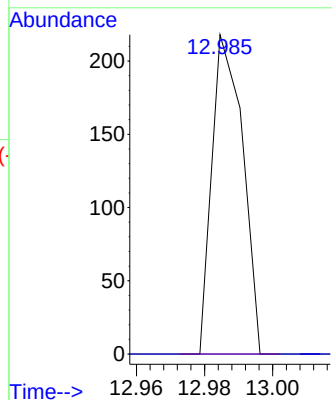
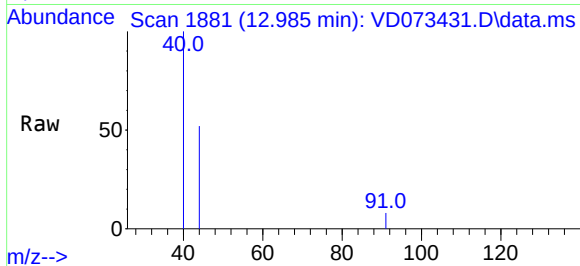




#82
4-Chlorotoluene
Concen: 7.363 ug/l
RT: 12.985 min Scan# 1881
Delta R.T. -0.006 min
Lab File: VD073431.D
Acq: 31 May 2022 18:11

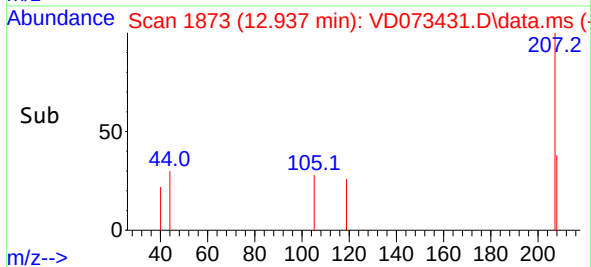
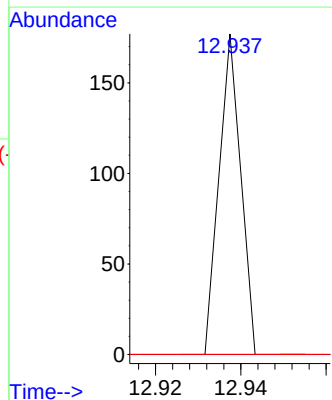
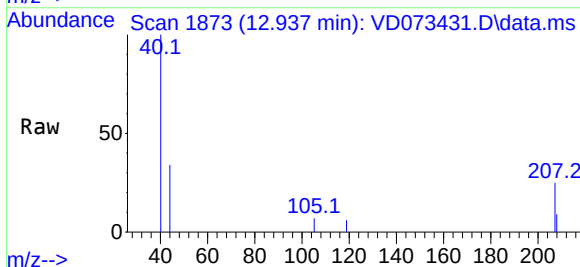
Instrument :
MSVOA_D
ClientSampleId :
WC-6RE

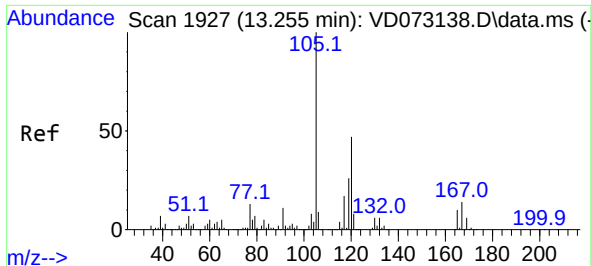
Tgt Ion: 91 Resp: 136
Ion Ratio Lower Upper
91 100
126 0.0 16.5 49.5#



#83
tert-Butylbenzene
Concen: 3.572 ug/l
RT: 12.937 min Scan# 1873
Delta R.T. -0.271 min
Lab File: VD073431.D
Acq: 31 May 2022 18:11

Tgt Ion: 119 Resp: 62
Ion Ratio Lower Upper
119 100
91 0.0 34.8 104.5#
134 0.0 13.3 39.9#

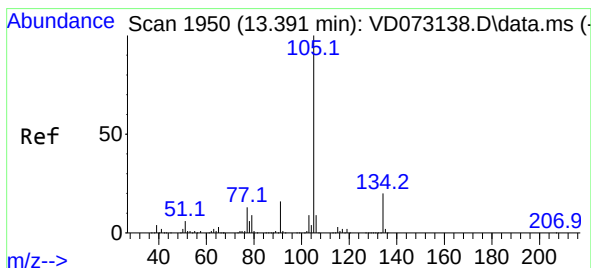
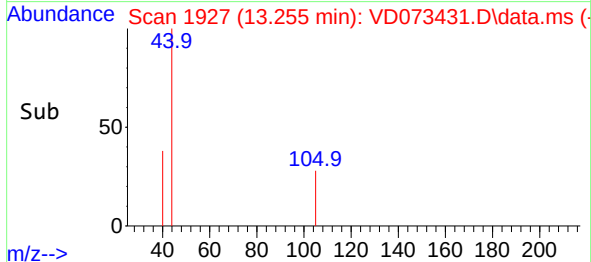
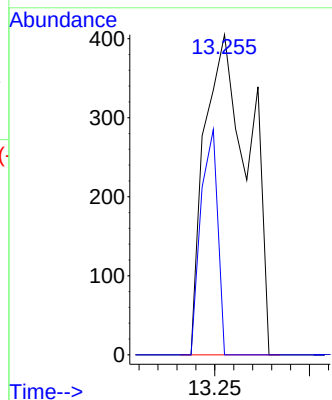
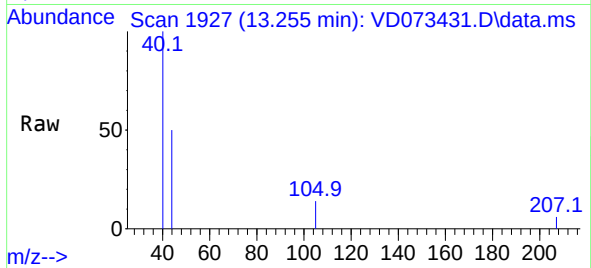




#84
1,2,4-Trimethylbenzene
Concen: 32.295 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD073431.D
Acq: 31 May 2022 18:11

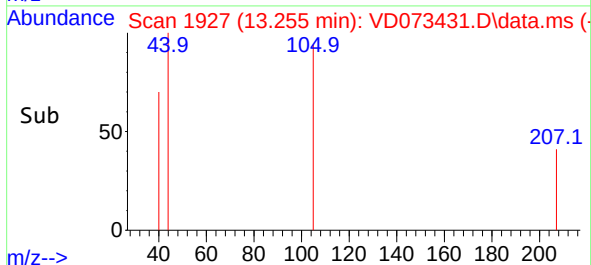
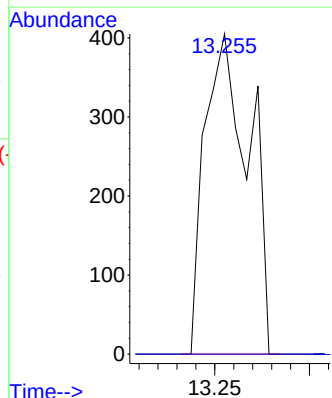
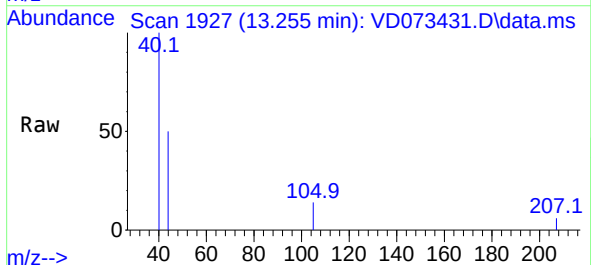
Instrument :
MSVOA_D
ClientSampleId :
WC-6RE

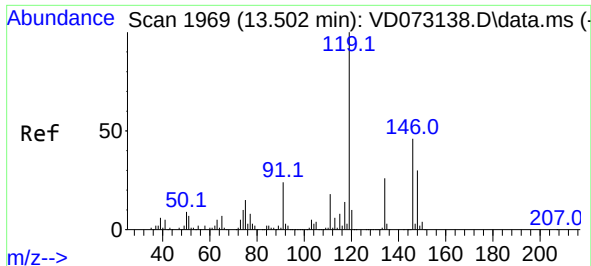
Tgt Ion:105 Resp: 657
Ion Ratio Lower Upper
105 100
120 26.6 22.3 66.8



#85
sec-Butylbenzene
Concen: 24.792 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.136 min
Lab File: VD073431.D
Acq: 31 May 2022 18:11

Tgt Ion:105 Resp: 657
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.3#





#87

1,3-Dichlorobenzene

Concen: 11.617 ug/l

RT: 13.502 min Scan# 1969

Delta R.T. 0.000 min

Lab File: VD073431.D

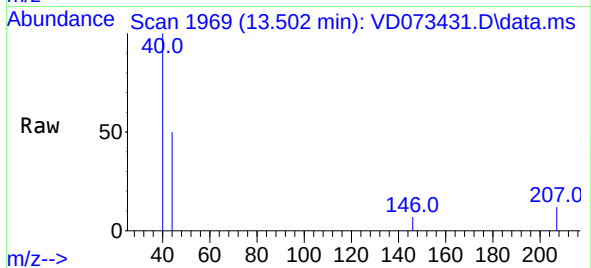
Acq: 31 May 2022 18:11

Instrument :

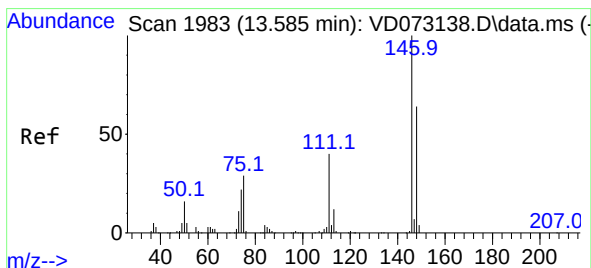
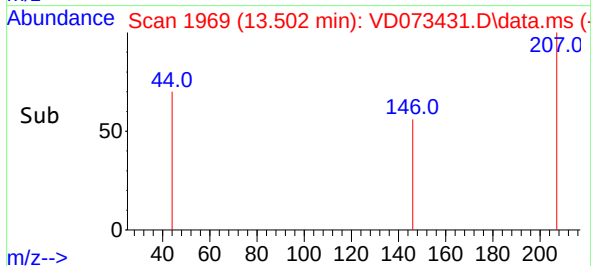
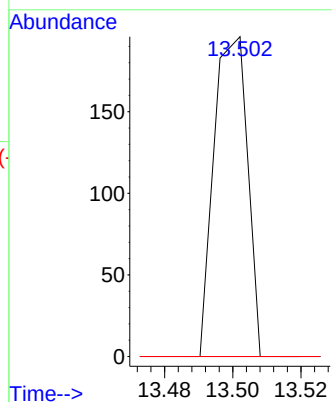
MSVOA_D

ClientSampleId :

WC-6RE



Tgt Ion:	146	Resp:	134
Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.4	61.3#
148	0.0	31.9	95.7#



#88

1,4-Dichlorobenzene

Concen: 13.054 ug/l

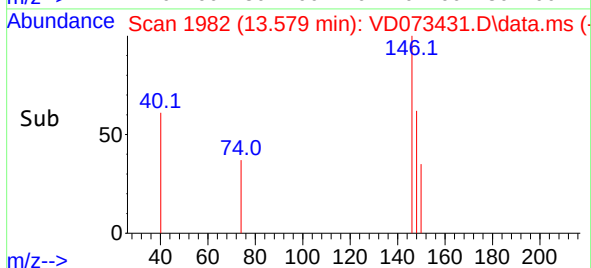
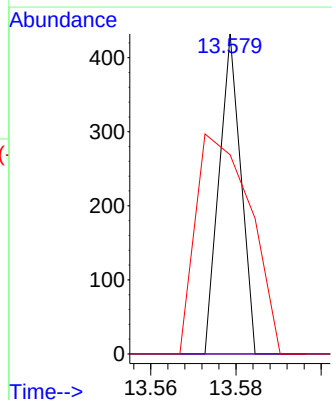
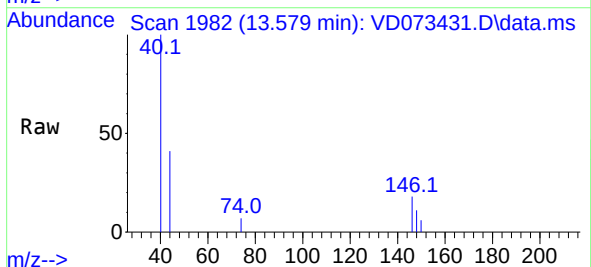
RT: 13.579 min Scan# 1982

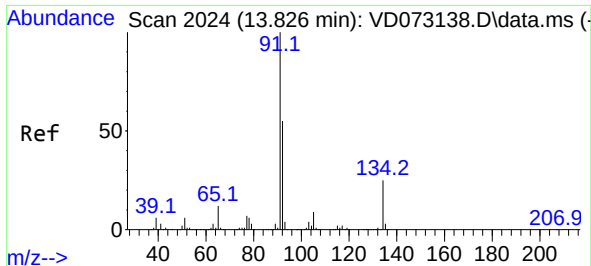
Delta R.T. -0.006 min

Lab File: VD073431.D

Acq: 31 May 2022 18:11

Tgt Ion:	146	Resp:	152
Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.3	60.9#
148	173.7	31.7	95.1#





#89

n-Butylbenzene

Concen: 3.449 ug/l

RT: 13.832 min Scan# 2025

Delta R.T. 0.006 min

Lab File: VD073431.D

Acq: 31 May 2022 18:11

Instrument :

MSVOA_D

ClientSampleId :

WC-6RE

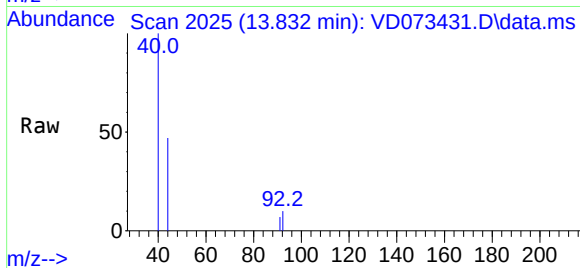
Tgt Ion: 91 Resp: 71

Ion Ratio Lower Upper

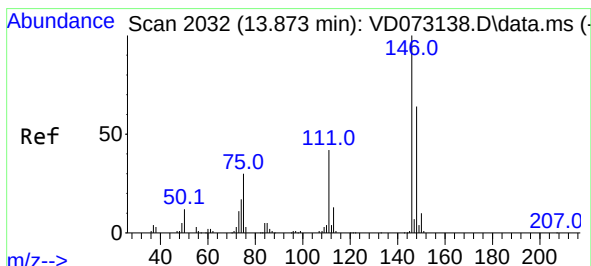
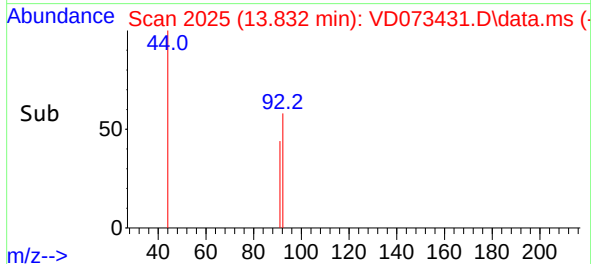
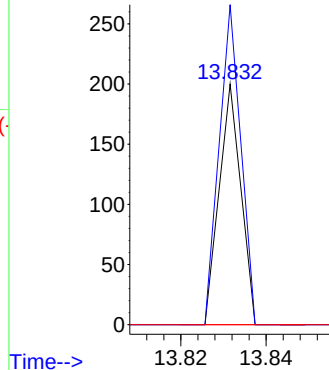
91 100

92 132.4 26.6 79.8#

134 0.0 12.3 36.9#



Abundance



#91

1,2-Dichlorobenzene

Concen: 5.511 ug/l

RT: 13.867 min Scan# 2031

Delta R.T. -0.006 min

Lab File: VD073431.D

Acq: 31 May 2022 18:11

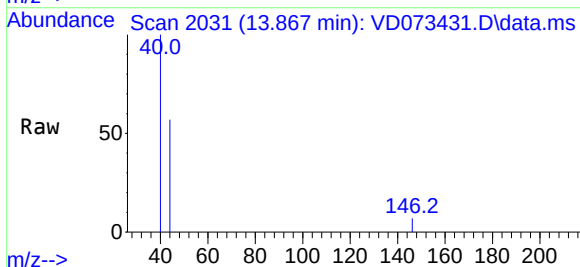
Tgt Ion:146 Resp: 55

Ion Ratio Lower Upper

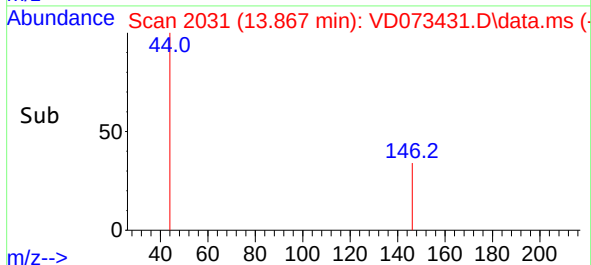
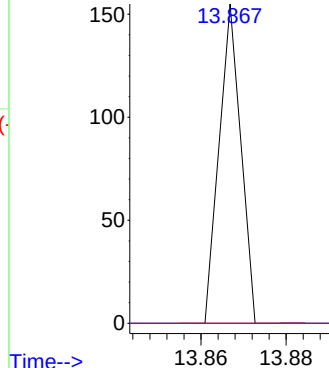
146 100

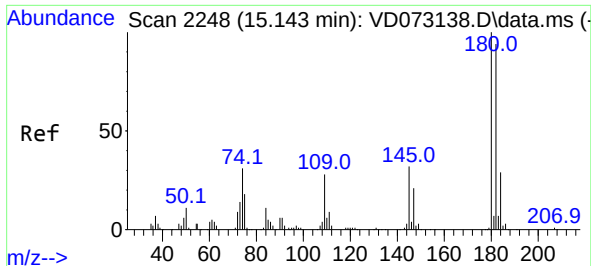
111 0.0 21.1 63.3#

148 0.0 31.7 95.1#



Abundance

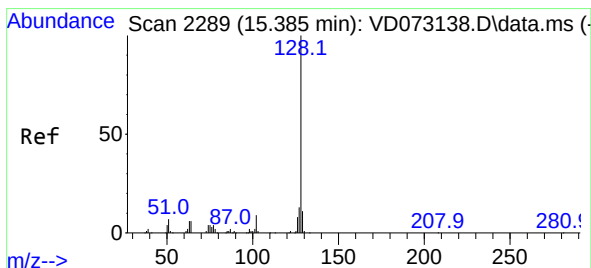
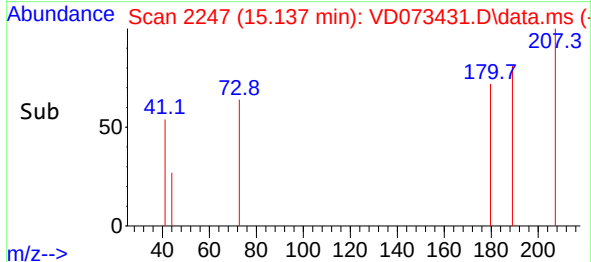
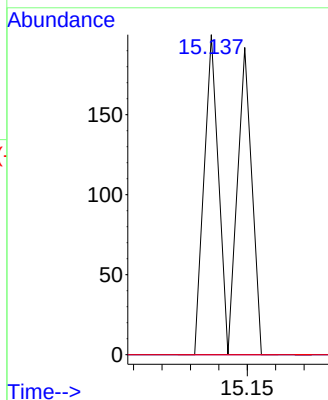
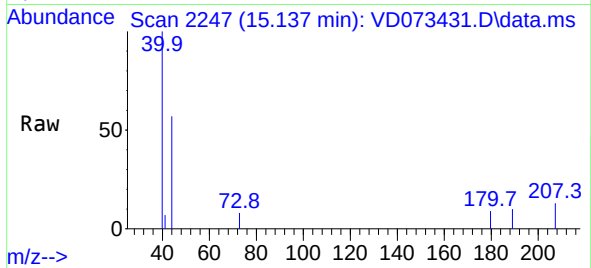




#93
1,2,4-Trichlorobenzene
Concen: 24.356 ug/l
RT: 15.137 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD073431.D
Acq: 31 May 2022 18:11

Instrument :
MSVOA_D
ClientSampleId :
WC-6RE

Tgt Ion:180 Resp: 138
Ion Ratio Lower Upper
180 100
182 0.0 47.3 142.0#
145 0.0 16.2 48.5#



#95
Naphthalene
Concen: 99.298 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD073431.D
Acq: 31 May 2022 18:11

Tgt Ion:128 Resp: 1150
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

