

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103122\
 Data File : VD074694.D
 Acq On : 31 Oct 2022 17:59
 Operator : VA/SY
 Sample : N5341-04
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-2

Quant Time: Nov 01 01:35:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 28 00:18:17 2022
 Response via : Initial Calibration

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

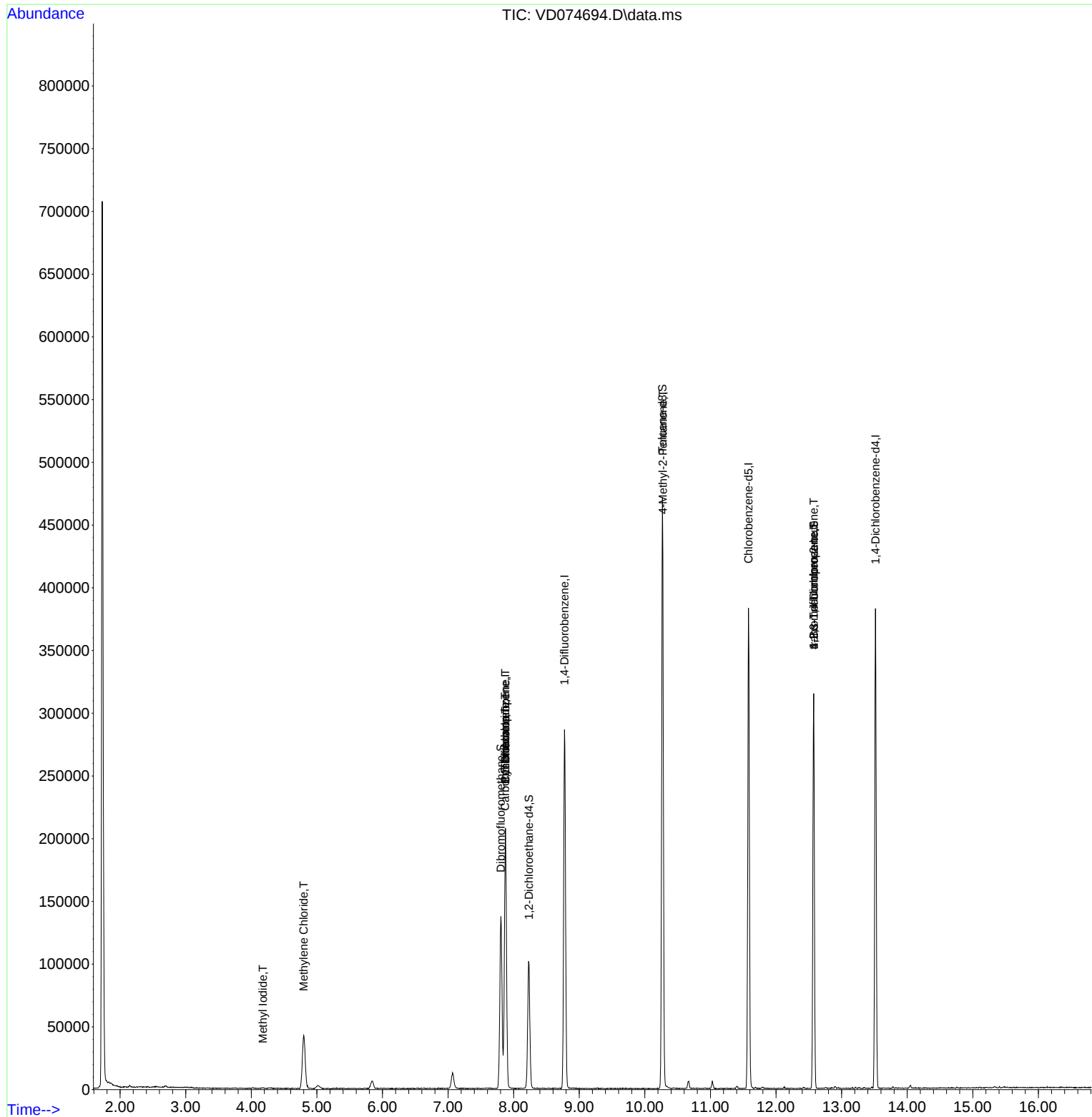
Internal Standards						
1) Pentafluorobenzene	7.875	168	167236	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	276083	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	236014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	107190	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	78796	55.824	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.640%	
35) Dibromofluoromethane	7.804	113	99797	59.198	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 118.400%	
50) Toluene-d8	10.269	98	341569	52.686	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.380%	
62) 4-Bromofluorobenzene	12.575	95	97350	54.675	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 109.340%	
Target Compounds						Qvalue
3) Chloromethane	2.146	50	1164	Below Cal	89	
5) Bromomethane	2.687	94	1041	Below Cal	86	
10) Methyl Iodide	4.175	142	872	5.795 ug/l #	43	
11) Tert butyl alcohol	5.022	59	2478	Below Cal #	84	
16) Acetone	4.028	43	743	Below Cal #	37	
20) Methylene Chloride	4.799	84	36798	5.216 ug/l	92	
25) 2-Butanone	7.081	43	569	Below Cal #	42	
31) Cyclohexane	7.875	56	3224	1.246 ug/l #	46	
36) 1,1-Dichloropropene	7.875	75	11533	4.801 ug/l #	47	
38) Carbon Tetrachloride	7.869	117	15604	6.991 ug/l #	18	
51) 4-Methyl-2-Pentanone	10.275	43	1036	1.451 ug/l #	1	
76) 1,2,3-Trichloropropane	12.575	75	48418	57.755 ug/l #	1	
81) trans-1,4-Dichloro-2-b...	12.575	75	48418	152.852 ug/l #	17	

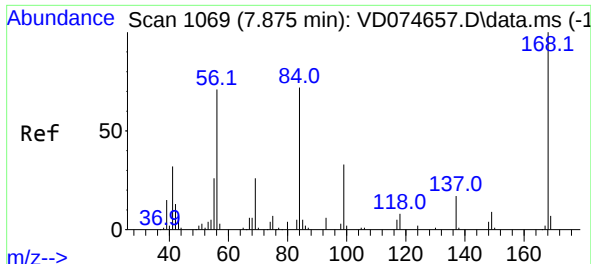
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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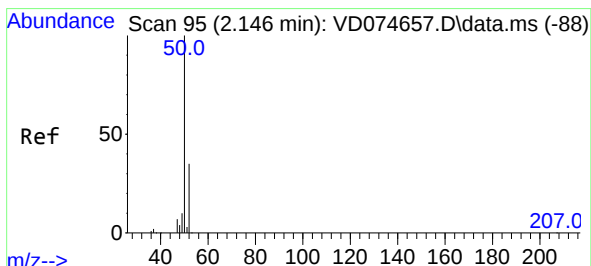
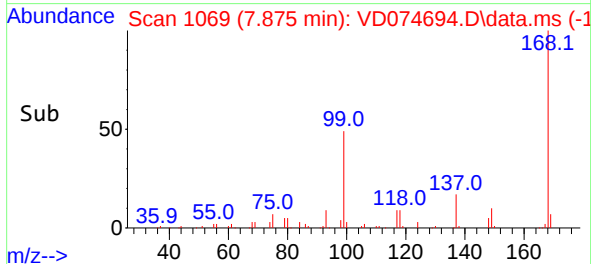
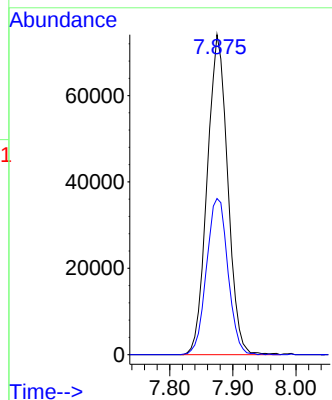
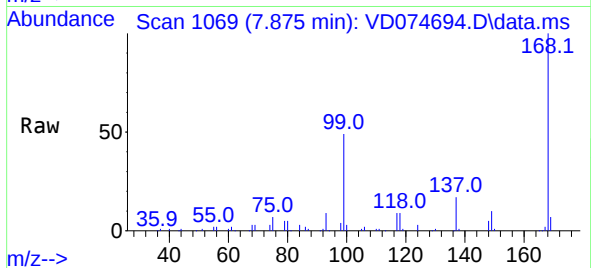




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD074694.D
Acq: 31 Oct 2022 17:59

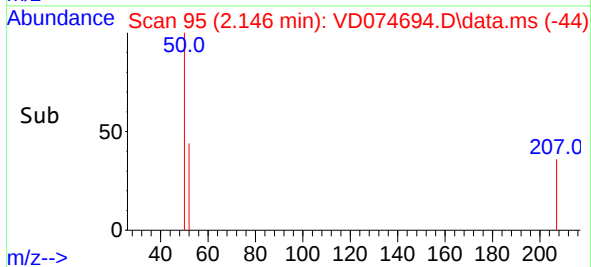
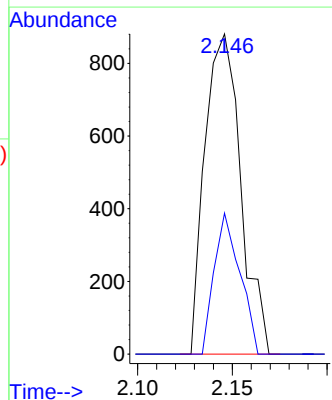
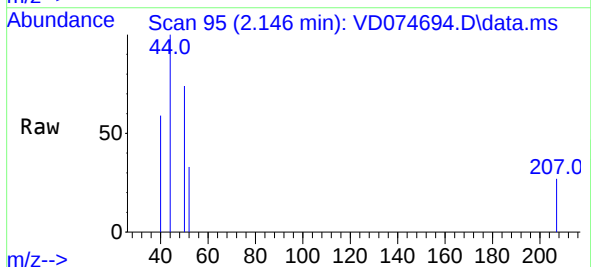
Instrument :
MSVOA_D
ClientSampleId :
WC-2

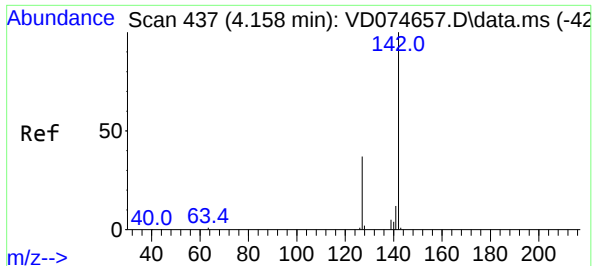
Tgt Ion:168 Resp: 167236
Ion Ratio Lower Upper
168 100
99 48.8 40.9 61.3



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD074694.D
Acq: 31 Oct 2022 17:59

Tgt Ion: 50 Resp: 1164
Ion Ratio Lower Upper
50 100
52 44.0 30.0 45.0

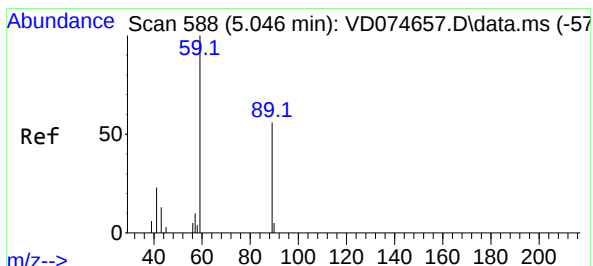
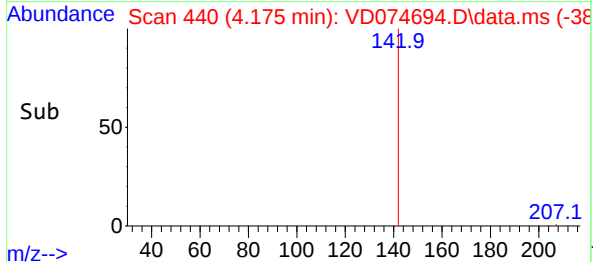
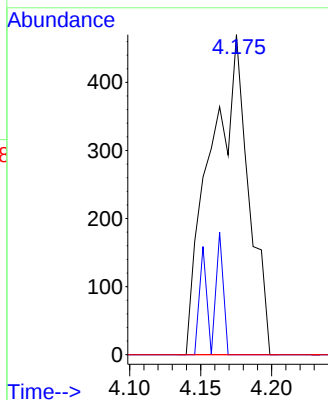
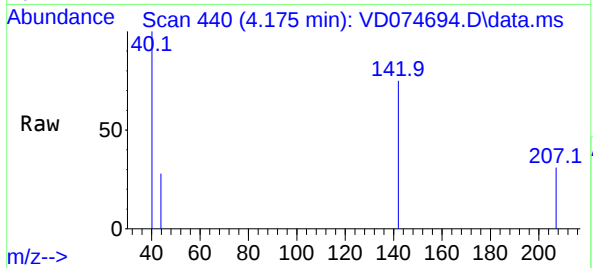




#10
Methyl Iodide
Concen: 5.795 ug/l
RT: 4.175 min Scan# 441
Delta R.T. 0.017 min
Lab File: VD074694.D
Acq: 31 Oct 2022 17:59

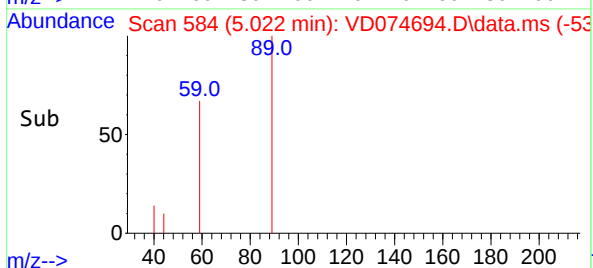
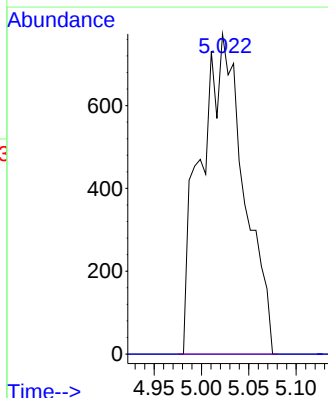
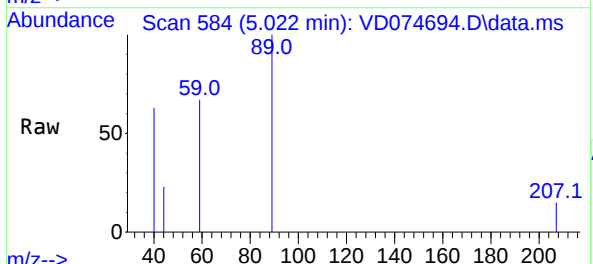
Instrument :
MSVOA_D
ClientSampleId :
WC-2

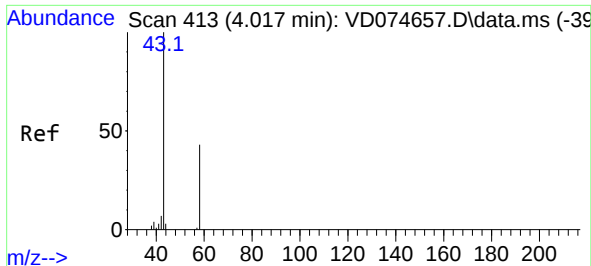
Tgt Ion:142 Resp: 872
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.022 min Scan# 584
Delta R.T. -0.024 min
Lab File: VD074694.D
Acq: 31 Oct 2022 17:59

Tgt Ion: 59 Resp: 2478
Ion Ratio Lower Upper
59 100
57 0.0 4.4 6.6#

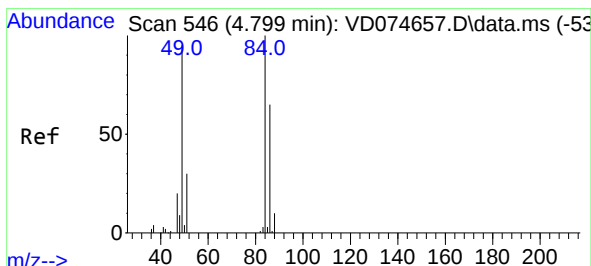
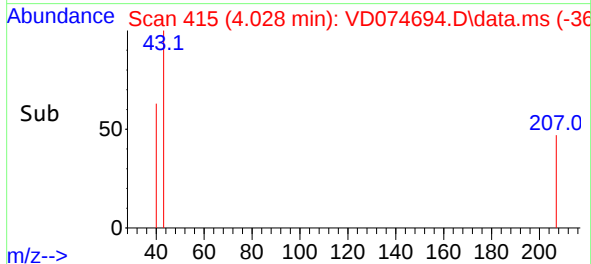
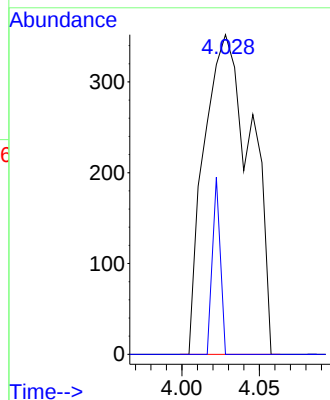
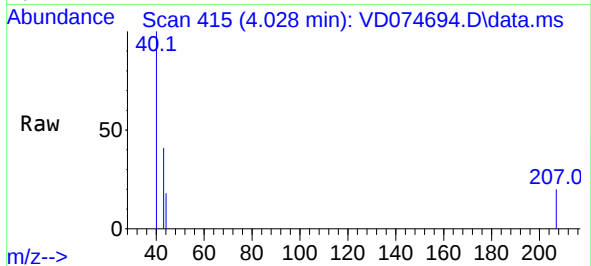




#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 413
Delta R.T. 0.011 min
Lab File: VD074694.D
Acq: 31 Oct 2022 17:59

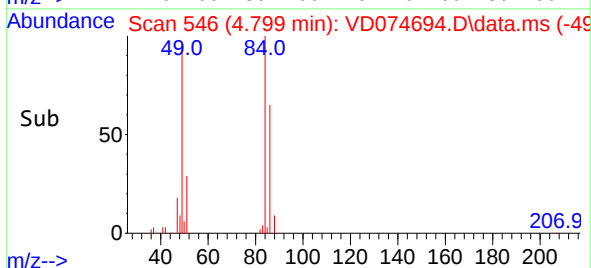
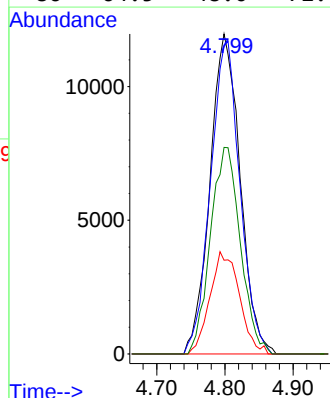
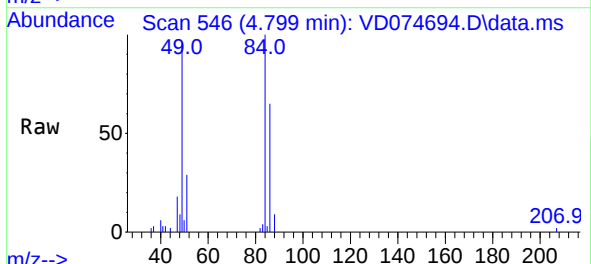
Instrument :
MSVOA_D
ClientSampleId :
WC-2

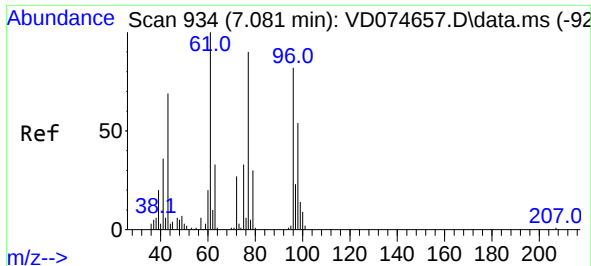
Tgt Ion: 43 Resp: 743
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#



#20
Methylene Chloride
Concen: 5.216 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD074694.D
Acq: 31 Oct 2022 17:59

Tgt Ion: 84 Resp: 36798
Ion Ratio Lower Upper
84 100
49 96.3 68.0 102.0
51 29.3 23.2 34.8
86 64.5 48.0 72.0





#25

2-Butanone

Concen: Below Cal

RT: 7.081 min Scan# 91

Delta R.T. -0.000 min

Lab File: VD074694.D

Acq: 31 Oct 2022 17:59

Instrument :

MSVOA_D

ClientSampleId :

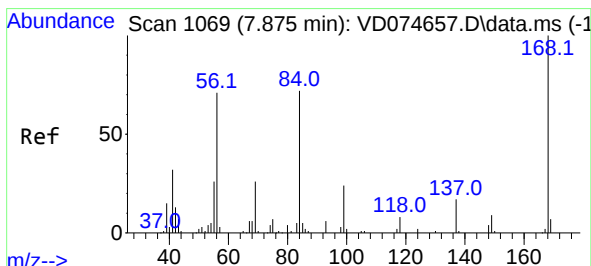
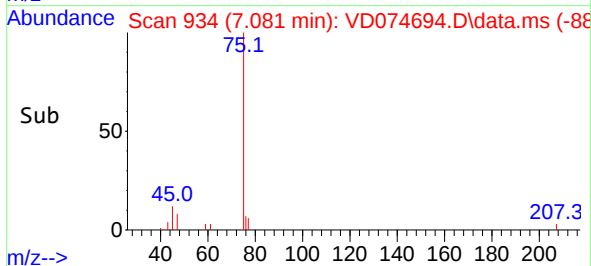
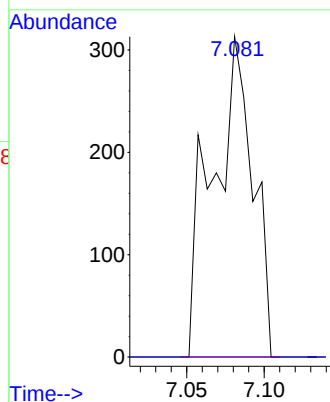
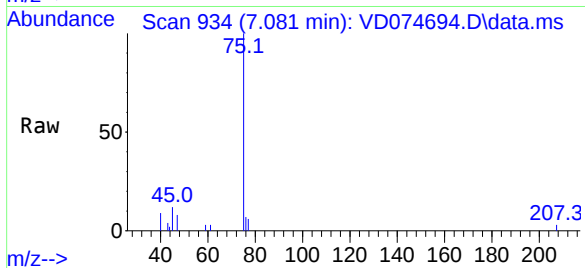
WC-2

Tgt Ion: 43 Resp: 569

Ion Ratio Lower Upper

43 100

72 0.0 25.8 38.8#



#31

Cyclohexane

Concen: 1.246 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VD074694.D

Acq: 31 Oct 2022 17:59

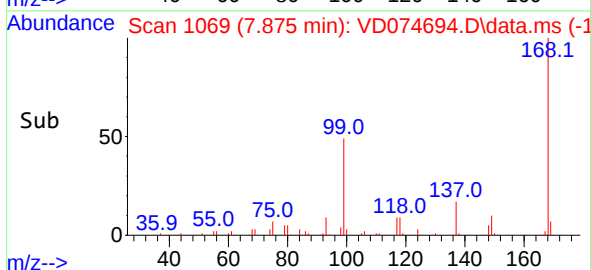
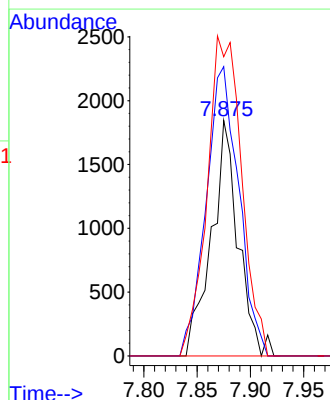
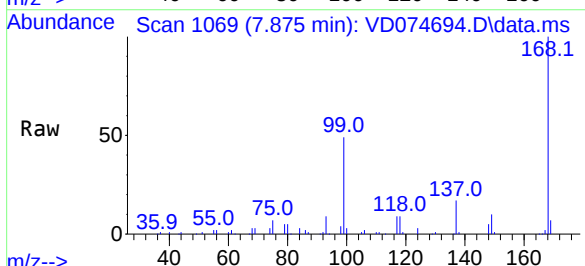
Tgt Ion: 56 Resp: 3224

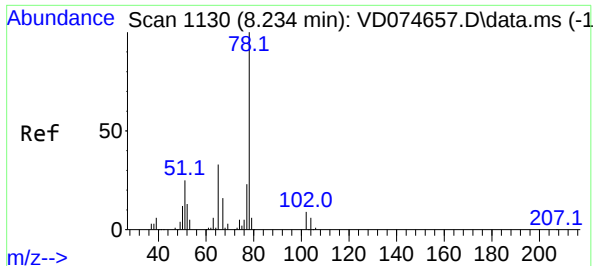
Ion Ratio Lower Upper

56 100

69 122.9 29.2 43.8#

84 127.0 83.4 125.2#





#33

1,2-Dichloroethane-d4

Concen: 55.824 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD074694.D

Acq: 31 Oct 2022 17:59

Instrument :

MSVOA_D

ClientSampleId :

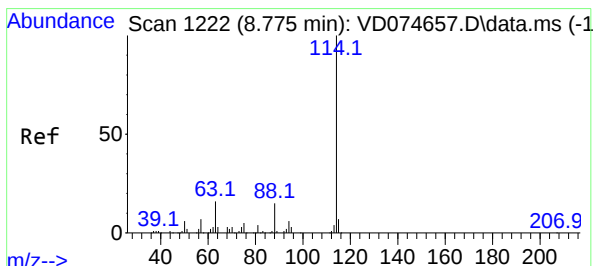
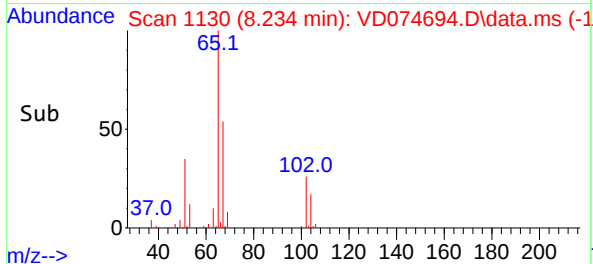
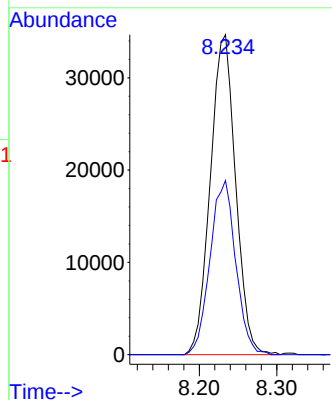
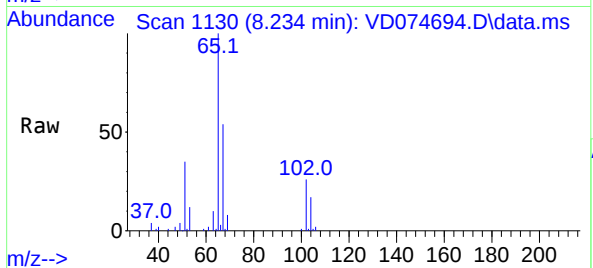
WC-2

Tgt Ion: 65 Resp: 78796

Ion Ratio Lower Upper

65 100

67 55.1 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD074694.D

Acq: 31 Oct 2022 17:59

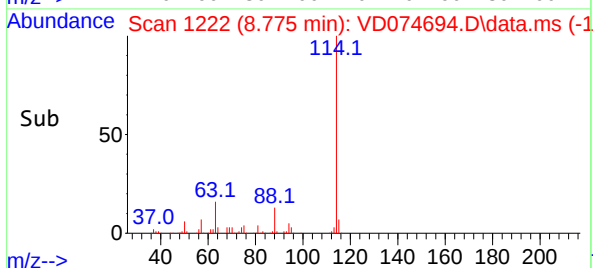
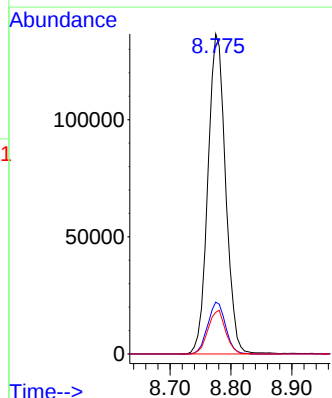
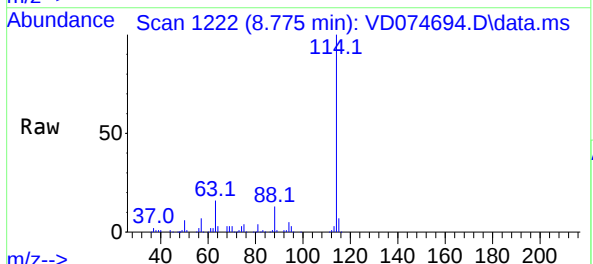
Tgt Ion: 114 Resp: 276083

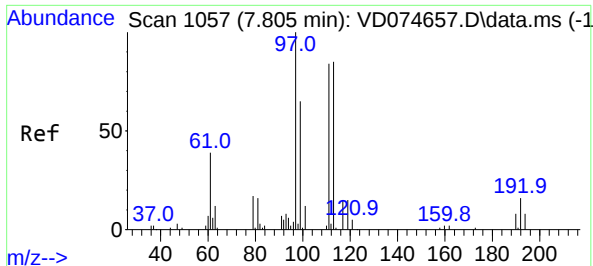
Ion Ratio Lower Upper

114 100

63 16.2 0.0 33.2

88 13.0 0.0 28.2

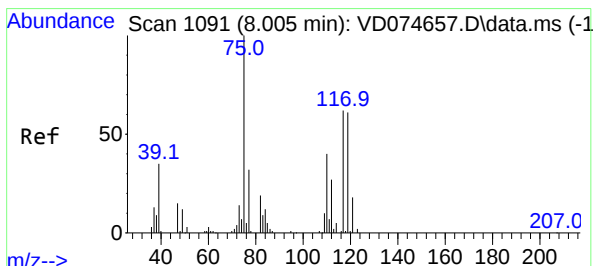
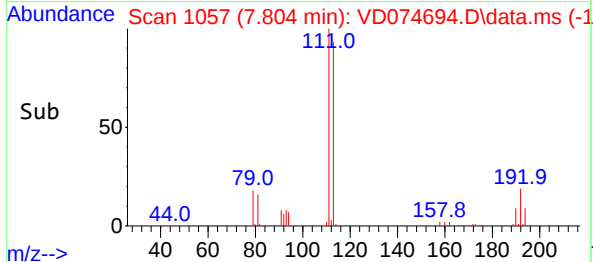
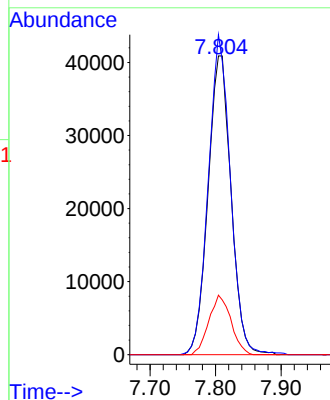
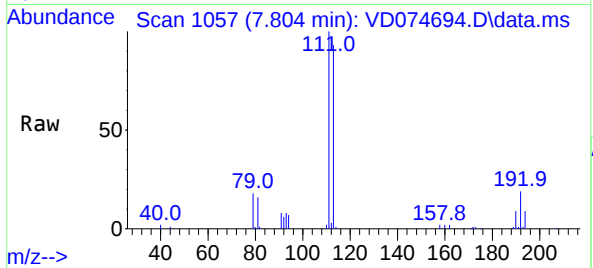




#35
Dibromofluoromethane
Concen: 59.198 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.001 min
Lab File: VD074694.D
Acq: 31 Oct 2022 17:59

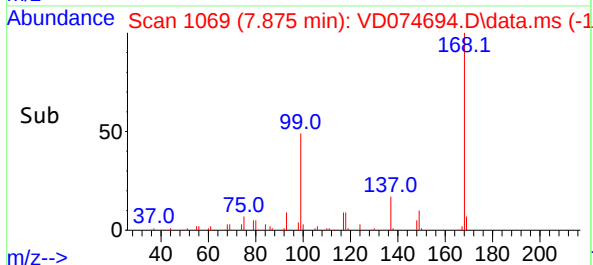
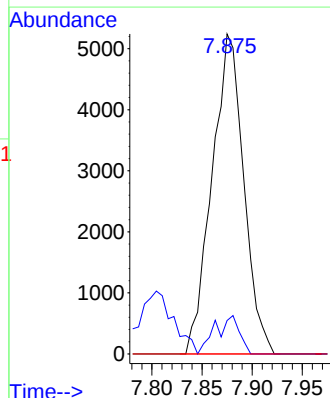
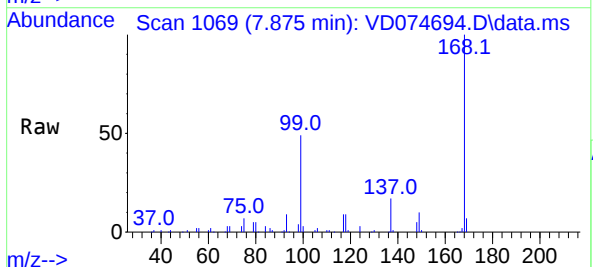
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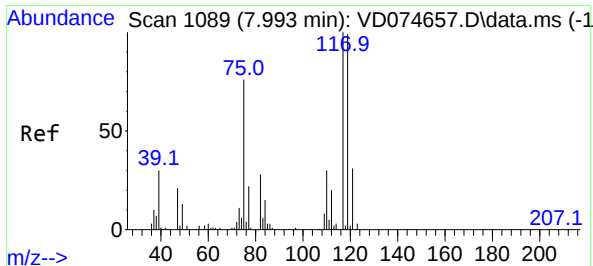
Tgt Ion:113 Resp: 99797
Ion Ratio Lower Upper
113 100
111 103.0 82.3 123.5
192 19.1 16.4 24.6



#36
1,1-Dichloropropene
Concen: 4.801 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.130 min
Lab File: VD074694.D
Acq: 31 Oct 2022 17:59

Tgt Ion: 75 Resp: 11533
Ion Ratio Lower Upper
75 100
110 9.2 19.7 59.0#
77 0.0 25.4 38.2#

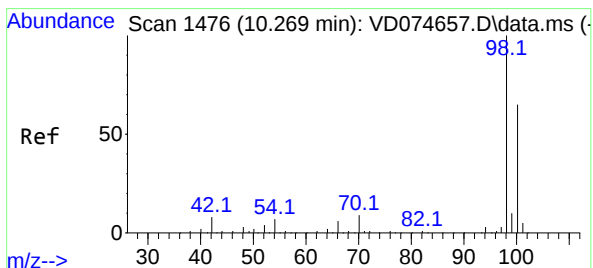
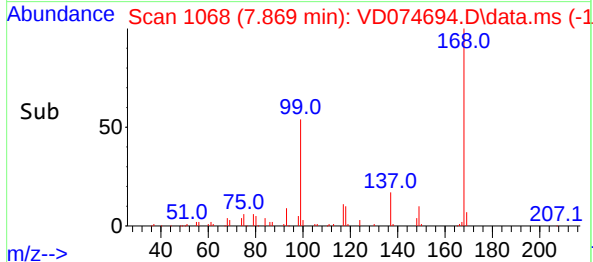
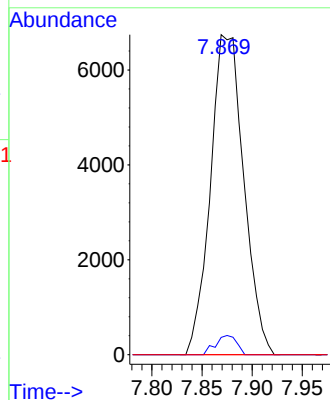
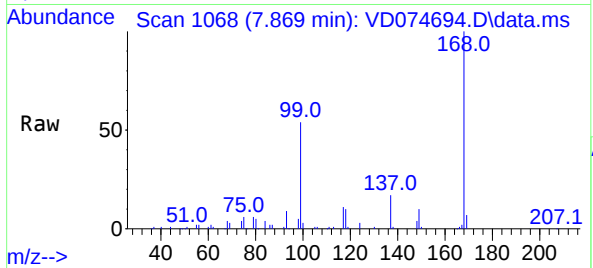




#38
Carbon Tetrachloride
Concen: 6.991 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.124 min
Lab File: VD074694.D
Acq: 31 Oct 2022 17:59

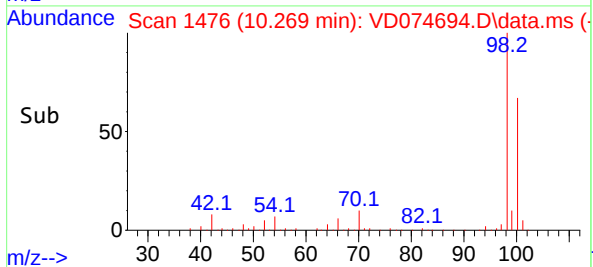
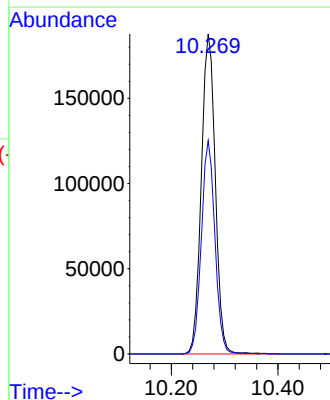
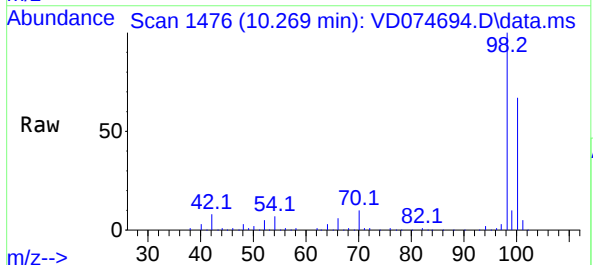
Instrument :
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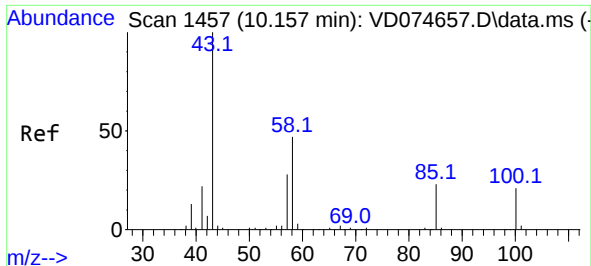
Tgt Ion:117 Resp: 15604
Ion Ratio Lower Upper
117 100
119 5.4 73.1 109.7#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 52.686 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD074694.D
Acq: 31 Oct 2022 17:59

Tgt Ion: 98 Resp: 341569
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.0

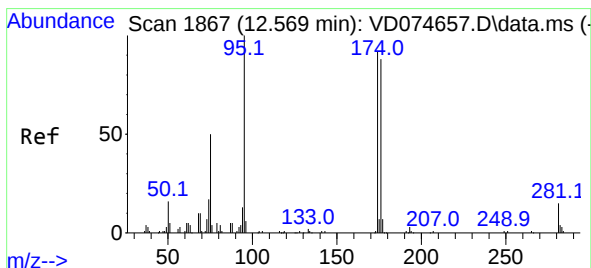
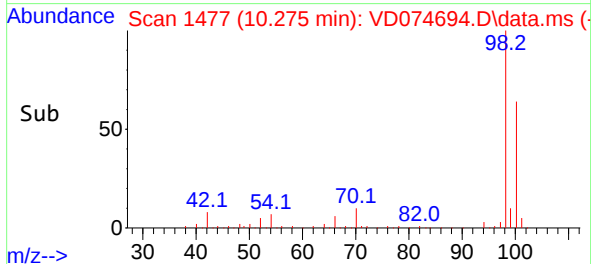
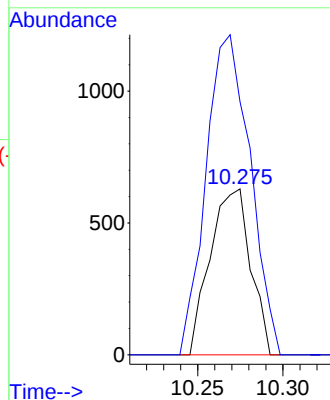
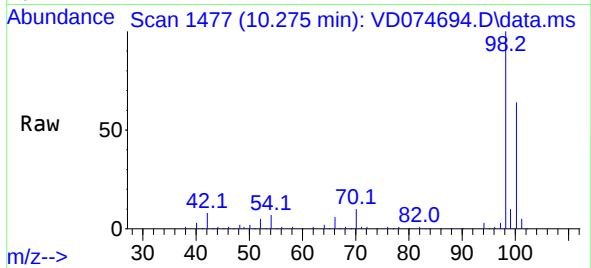




#51
4-Methyl-2-Pentanone
Concen: 1.451 ug/l
RT: 10.275 min Scan# 1457
Delta R.T. 0.118 min
Lab File: VD074694.D
Acq: 31 Oct 2022 17:59

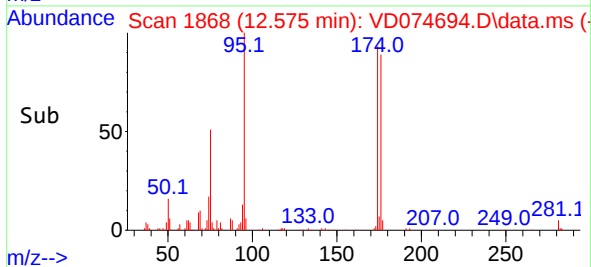
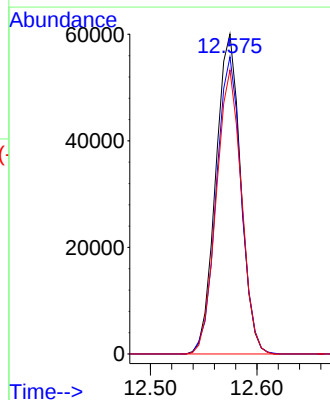
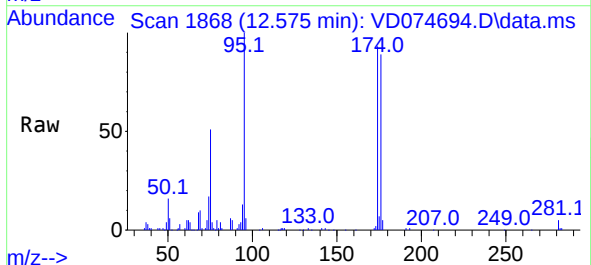
Instrument :
MSVOA_D
ClientSampleId :
WC-2

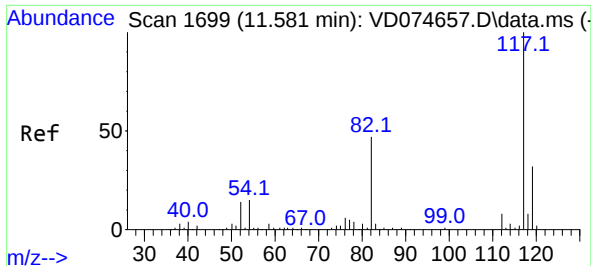
Tgt Ion: 43 Resp: 1036
Ion Ratio Lower Upper
43 100
58 211.1 37.8 56.6#



#62
4-Bromofluorobenzene
Concen: 54.675 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD074694.D
Acq: 31 Oct 2022 17:59

Tgt Ion: 95 Resp: 97350
Ion Ratio Lower Upper
95 100
174 92.6 0.0 197.0
176 89.3 0.0 182.6

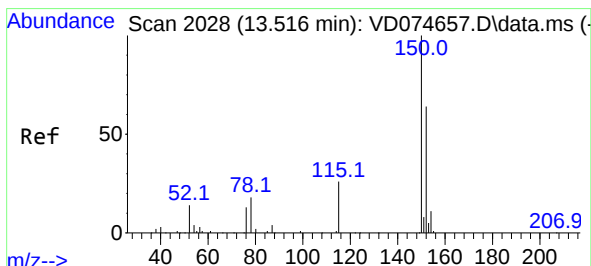
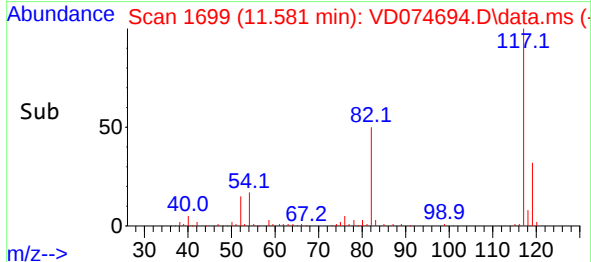
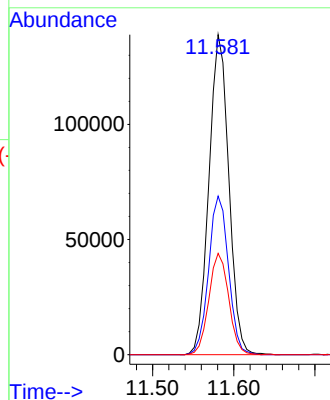
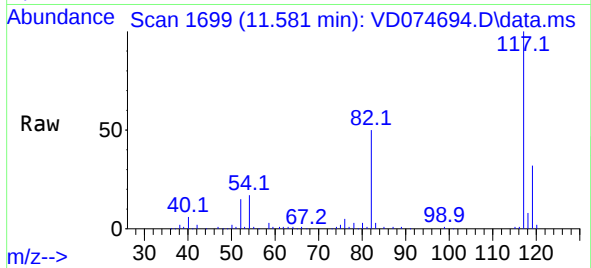




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD074694.D
Acq: 31 Oct 2022 17:59

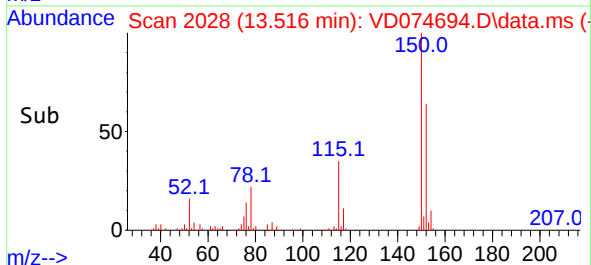
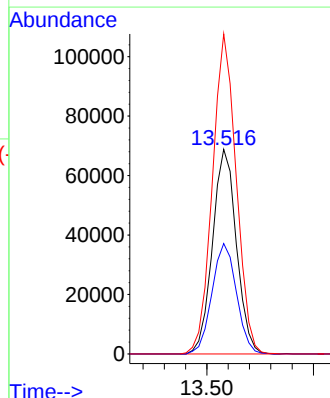
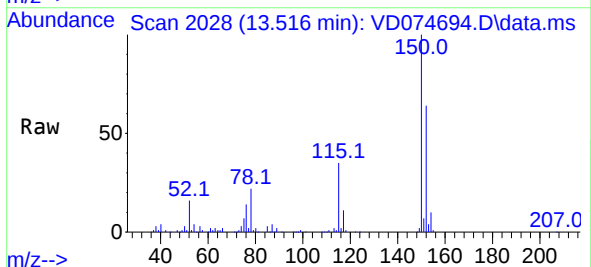
Instrument :
MSVOA_D
ClientSampleId :
WC-2

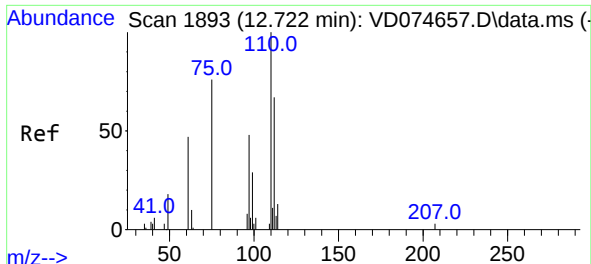
Tgt Ion:117 Resp: 236014
Ion Ratio Lower Upper
117 100
82 49.6 41.6 62.4
119 31.7 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD074694.D
Acq: 31 Oct 2022 17:59

Tgt Ion:152 Resp: 107190
Ion Ratio Lower Upper
152 100
115 55.3 26.8 80.4
150 155.6 0.0 348.2

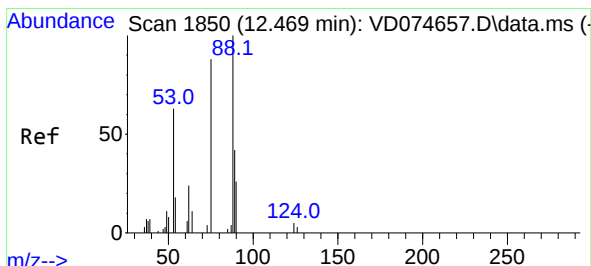
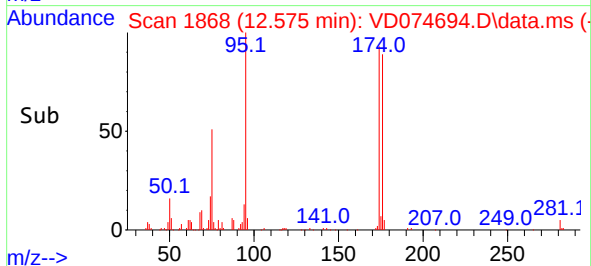
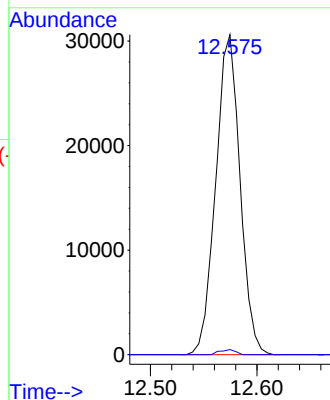
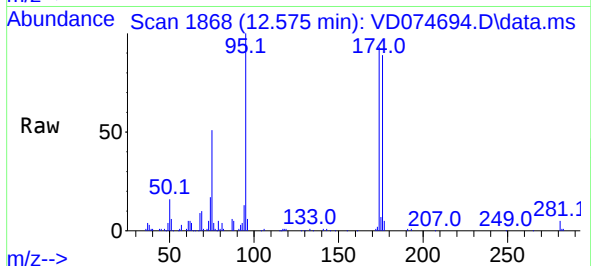




#76
1,2,3-Trichloropropane
Concen: 57.755 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD074694.D
Acq: 31 Oct 2022 17:59

Instrument :
MSVOA_D
ClientSampleId :
WC-2

Tgt Ion: 75 Resp: 48418
Ion Ratio Lower Upper
75 100
77 1.1 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 152.852 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD074694.D
Acq: 31 Oct 2022 17:59

Tgt Ion: 75 Resp: 48418
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

