

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101322\
 Data File : VD074531.D
 Acq On : 13 Oct 2022 16:32
 Operator : VA/SY
 Sample : N5123-01
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-2-101222

Quant Time: Oct 14 01:31:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101122S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 12 13:14:00 2022
 Response via : Initial Calibration

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

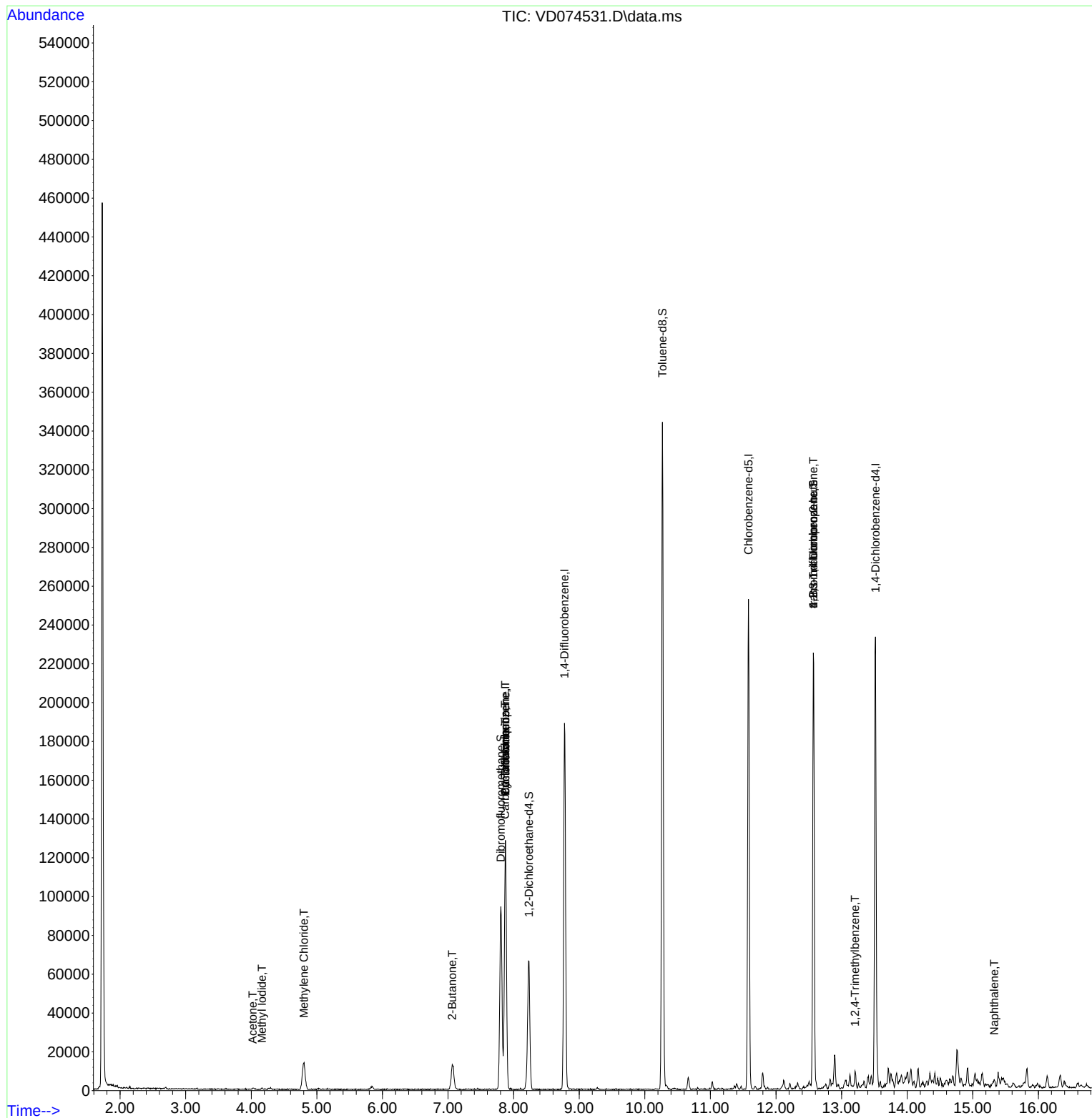
Internal Standards						
1) Pentafluorobenzene	7.875	168	101074	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	180397	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	156469	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	68082	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	52508	60.354	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.700%	
35) Dibromofluoromethane	7.805	113	69391	64.666	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 129.340%	
50) Toluene-d8	10.269	98	247300	59.541	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 119.080%	
62) 4-Bromofluorobenzene	12.569	95	69667	55.528	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 111.060%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.164	142	692	5.669	ug/l #	53
11) Tert butyl alcohol	5.046	59	113	Below Cal	#	84
16) Acetone	4.022	43	852	4.540	ug/l #	72
20) Methylene Chloride	4.805	84	12761	1.795	ug/l	94
25) 2-Butanone	7.064	43	393	1.517	ug/l #	42
31) Cyclohexane	7.875	56	2011	1.086	ug/l #	20
36) 1,1-Dichloropropene	7.875	75	7263	4.195	ug/l #	46
38) Carbon Tetrachloride	7.869	117	10400	6.497	ug/l #	19
76) 1,2,3-Trichloropropane	12.569	75	35335	60.730	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.569	75	35335	154.048	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.204	105	5586	1.267	ug/l	96
95) Naphthalene	15.328	128	3656	1.356	ug/l #	90

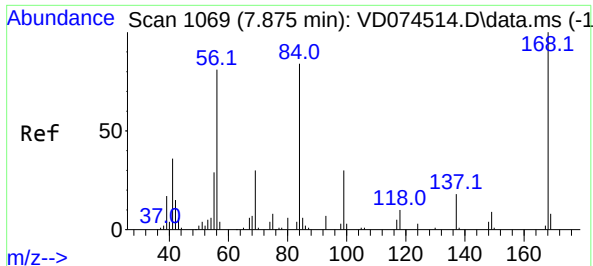
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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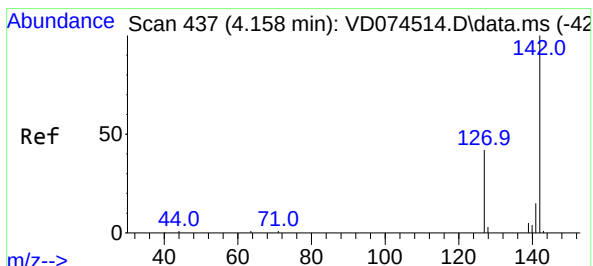
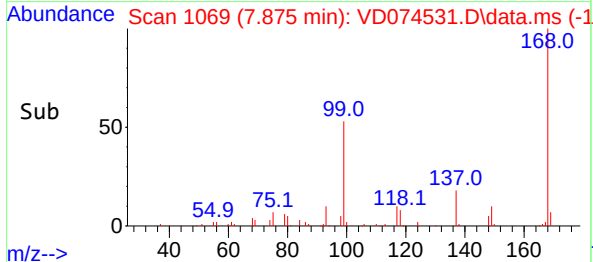
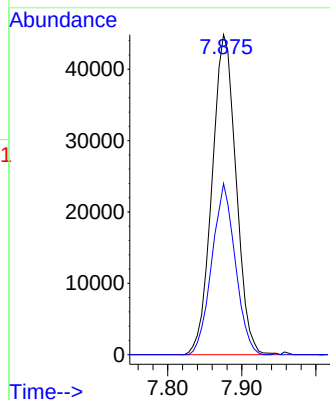
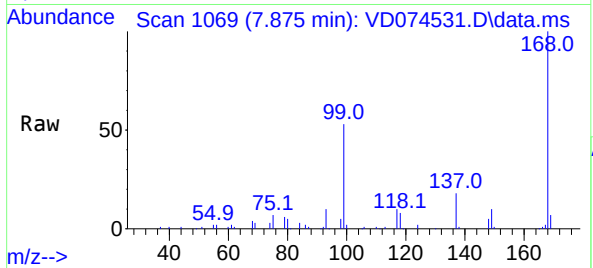




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074531.D
Acq: 13 Oct 2022 16:32

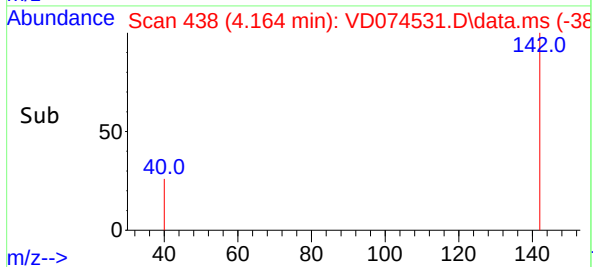
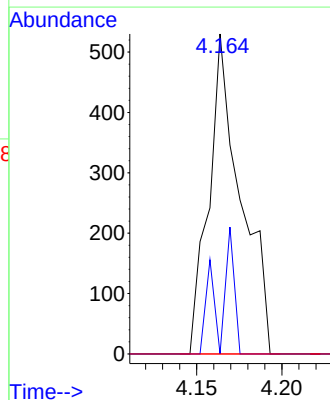
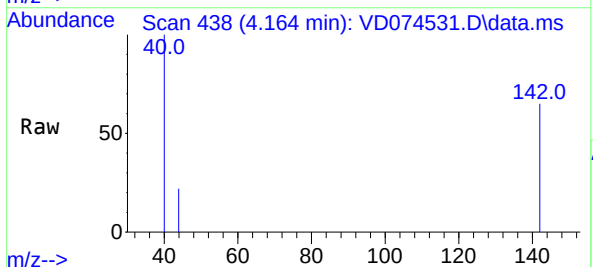
Instrument :
MSVOA_D
ClientSampleId :
HR-2-101222

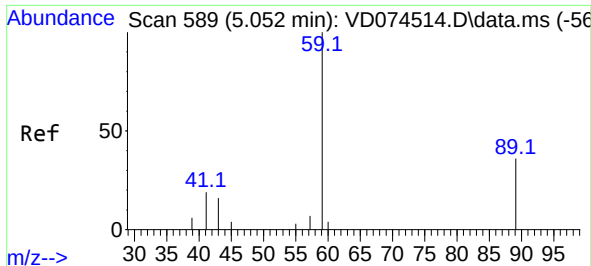
Tgt Ion:168 Resp: 101074
Ion Ratio Lower Upper
168 100
99 53.5 40.9 61.3



#10
Methyl Iodide
Concen: 5.669 ug/l
RT: 4.164 min Scan# 438
Delta R.T. 0.006 min
Lab File: VD074531.D
Acq: 13 Oct 2022 16:32

Tgt Ion:142 Resp: 692
Ion Ratio Lower Upper
142 100
127 7.9 31.9 47.9#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.046 min Scan# 51

Delta R.T. -0.006 min

Lab File: VD074531.D

Acq: 13 Oct 2022 16:32

Instrument :

MSVOA_D

ClientSampleId :

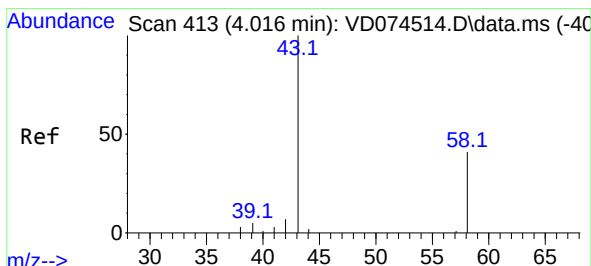
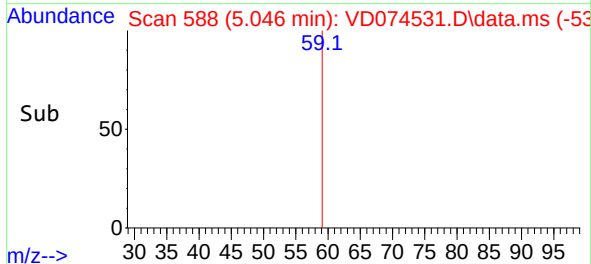
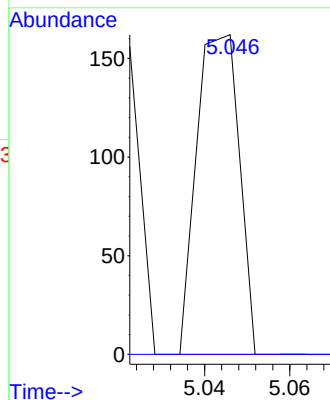
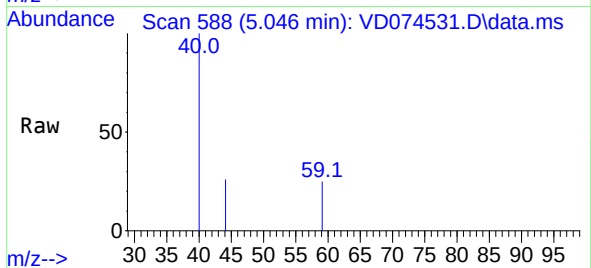
HR-2-101222

Tgt Ion: 59 Resp: 113

Ion Ratio Lower Upper

59 100

57 0.0 4.4 6.6#



#16

Acetone

Concen: 4.540 ug/l

RT: 4.022 min Scan# 414

Delta R.T. 0.000 min

Lab File: VD074531.D

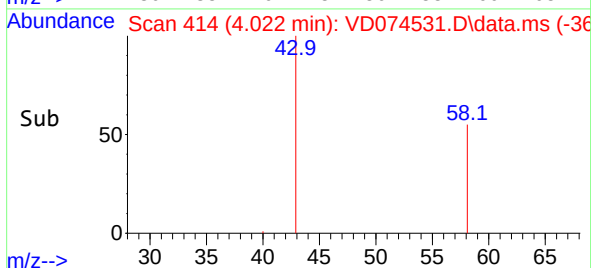
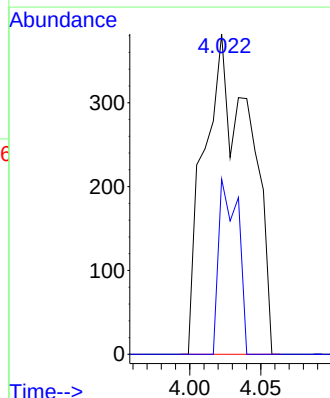
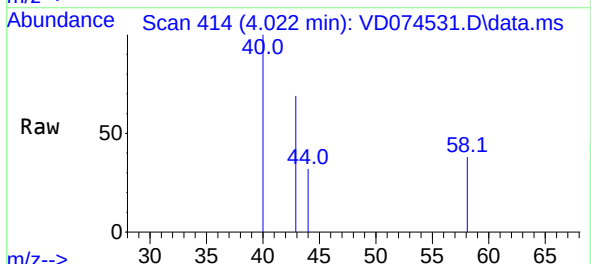
Acq: 13 Oct 2022 16:32

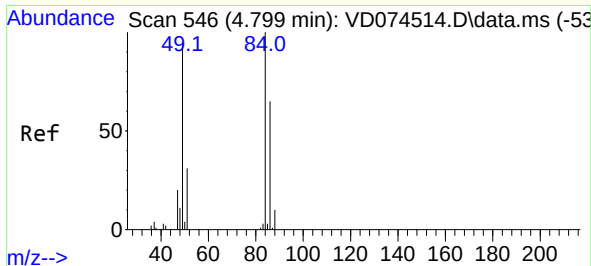
Tgt Ion: 43 Resp: 852

Ion Ratio Lower Upper

43 100

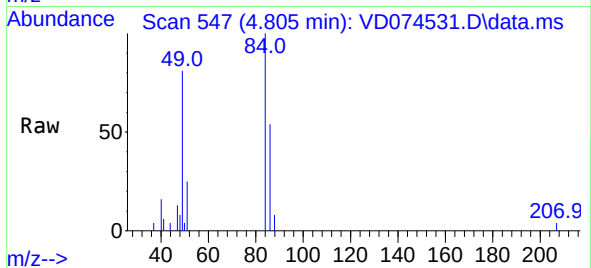
58 54.7 30.2 45.2#





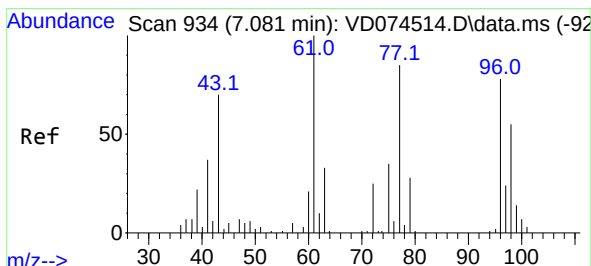
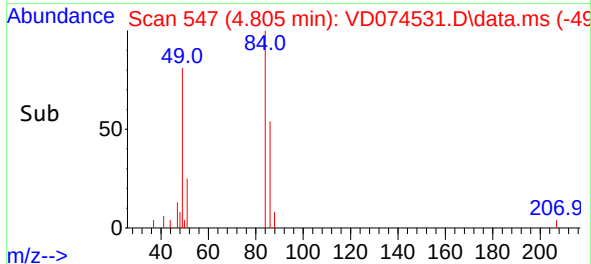
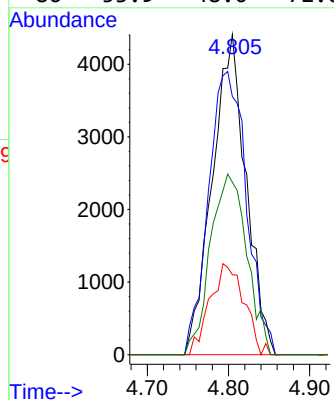
#20
Methylene Chloride
Concen: 1.795 ug/l
RT: 4.805 min Scan# 546
Delta R.T. 0.006 min
Lab File: VD074531.D
Acq: 13 Oct 2022 16:32

Instrument :
MSVOA_D
ClientSampleId :
HR-2-101222



Tgt Ion: 84 Resp: 12761

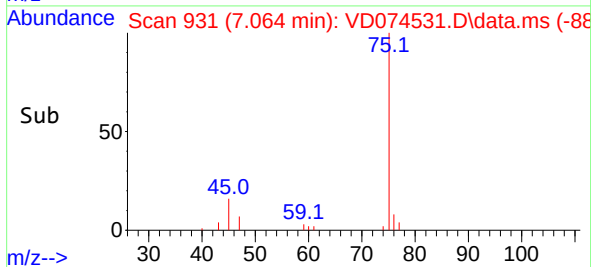
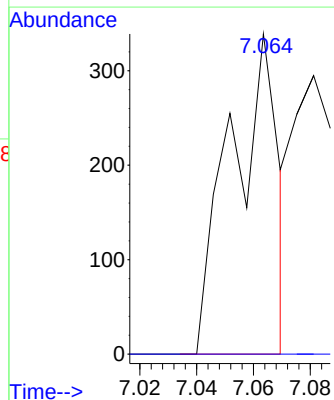
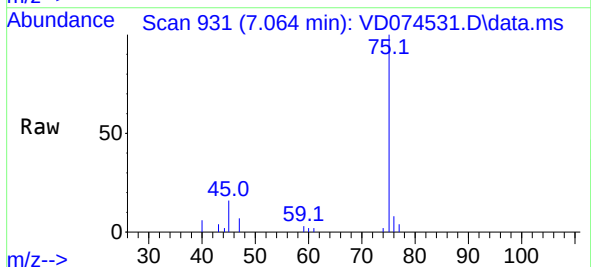
Ion	Ratio	Lower	Upper
84	100		
49	80.7	68.0	102.0
51	25.0	23.2	34.8
86	53.9	48.0	72.0

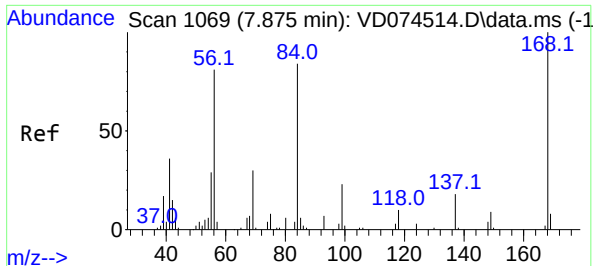


#25
2-Butanone
Concen: 1.517 ug/l
RT: 7.064 min Scan# 931
Delta R.T. -0.018 min
Lab File: VD074531.D
Acq: 13 Oct 2022 16:32

Tgt Ion: 43 Resp: 393

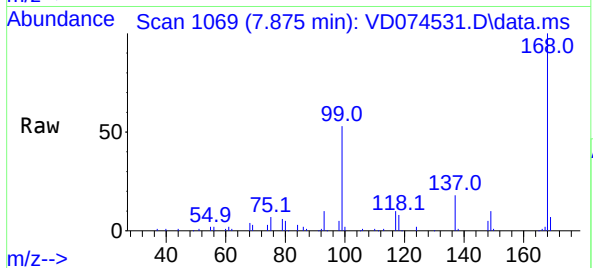
Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.8	38.8#



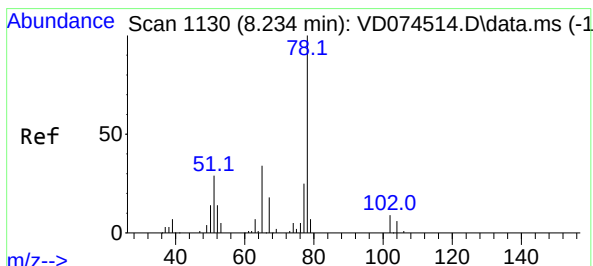
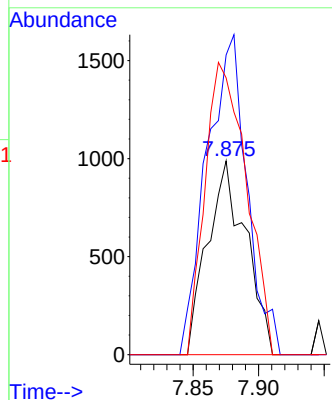
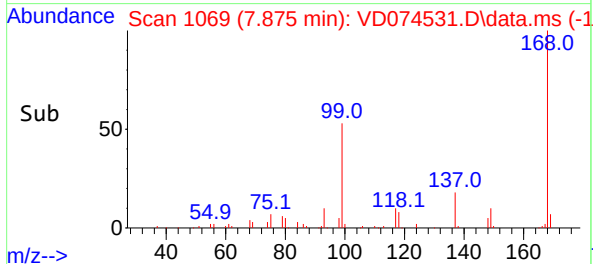


#31
Cyclohexane
Concen: 1.086 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074531.D
Acq: 13 Oct 2022 16:32

Instrument :
MSVOA_D
ClientSampleId :
HR-2-101222

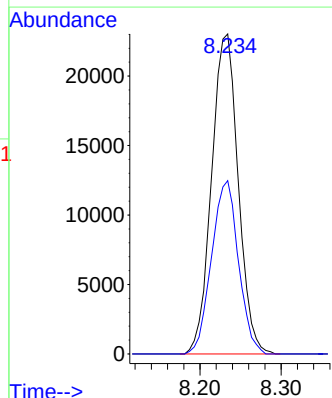
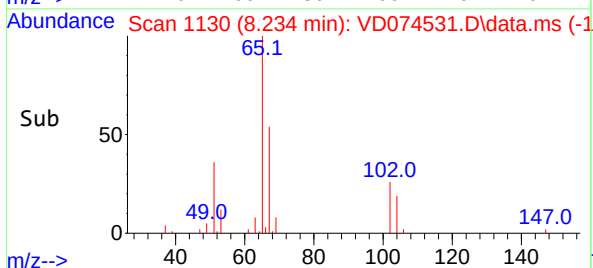
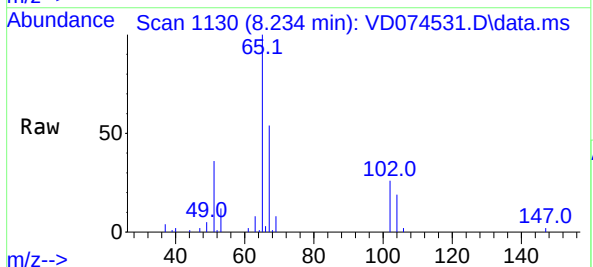


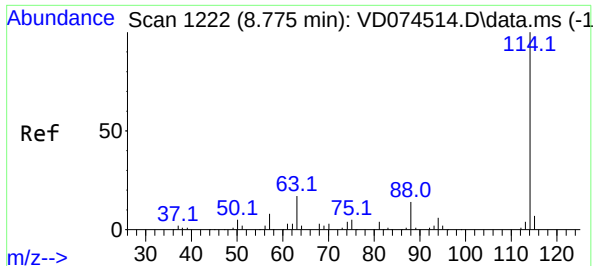
Tgt Ion: 56 Resp: 2011
Ion Ratio Lower Upper
56 100
69 154.7 29.2 43.8#
84 142.9 83.4 125.2#



#33
1,2-Dichloroethane-d4
Concen: 60.354 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD074531.D
Acq: 13 Oct 2022 16:32

Tgt Ion: 65 Resp: 52508
Ion Ratio Lower Upper
65 100
67 54.6 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD074531.D

Acq: 13 Oct 2022 16:32

Instrument :

MSVOA_D

ClientSampleId :

HR-2-101222

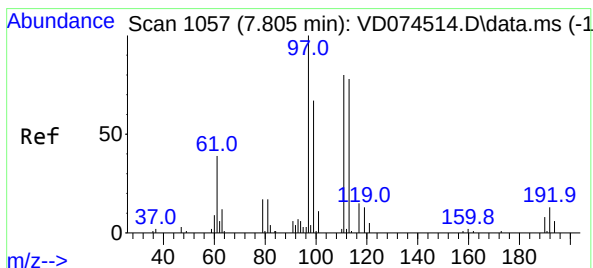
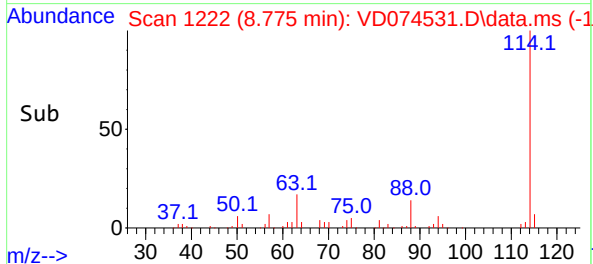
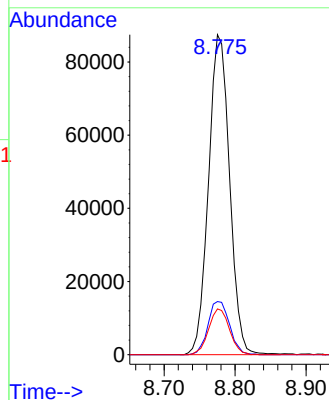
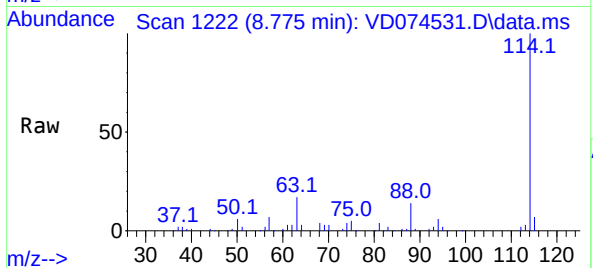
Tgt Ion:114 Resp: 180397

Ion Ratio Lower Upper

114 100

63 16.6 0.0 33.2

88 14.3 0.0 28.2



#35

Dibromofluoromethane

Concen: 64.666 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.001 min

Lab File: VD074531.D

Acq: 13 Oct 2022 16:32

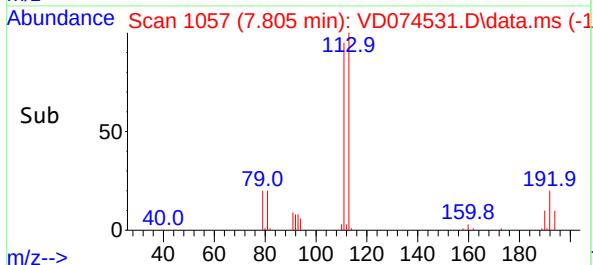
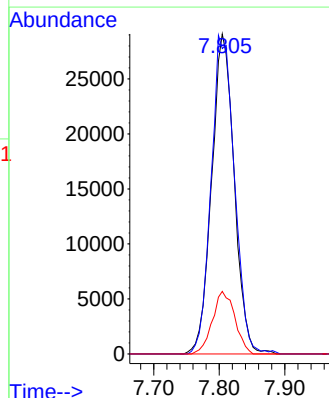
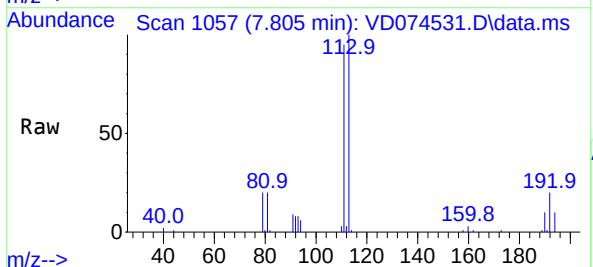
Tgt Ion:113 Resp: 69391

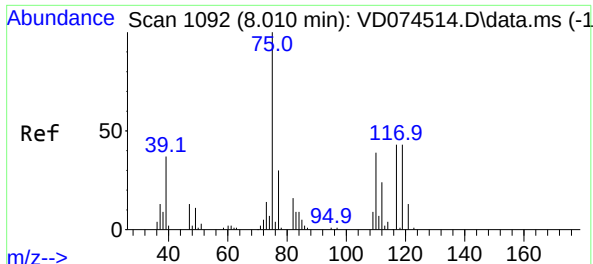
Ion Ratio Lower Upper

113 100

111 103.0 82.3 123.5

192 19.4 16.4 24.6





#36

1,1-Dichloropropene

Concen: 4.195 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD074531.D

Acq: 13 Oct 2022 16:32

Instrument :

MSVOA_D

ClientSampleId :

HR-2-101222

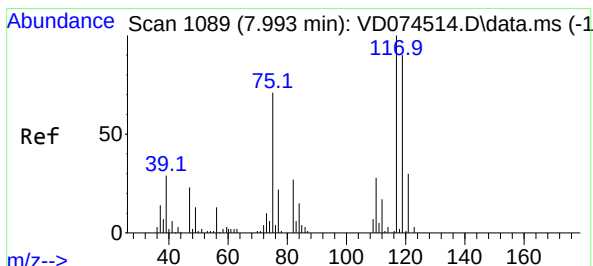
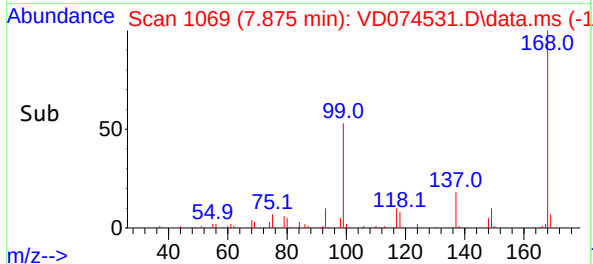
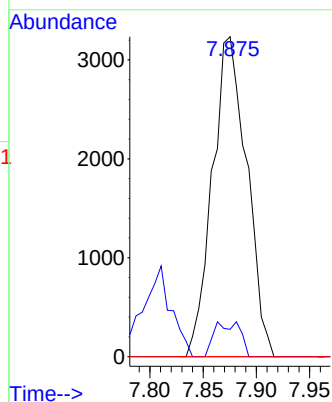
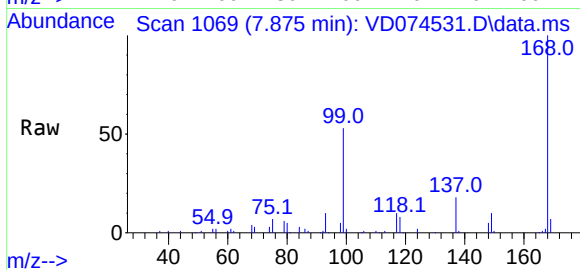
Tgt Ion: 75 Resp: 7263

Ion Ratio Lower Upper

75 100

110 8.1 19.7 59.0#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 6.497 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.118 min

Lab File: VD074531.D

Acq: 13 Oct 2022 16:32

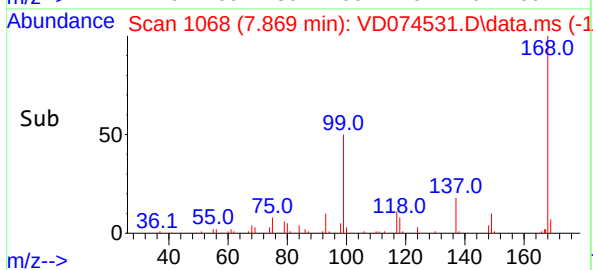
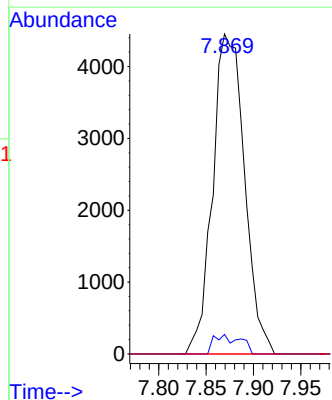
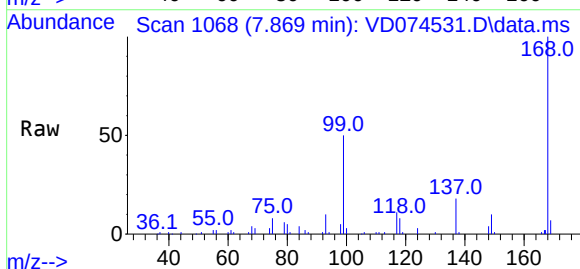
Tgt Ion: 117 Resp: 10400

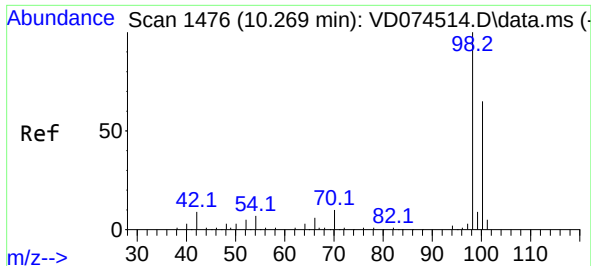
Ion Ratio Lower Upper

117 100

119 6.1 73.1 109.7#

121 0.0 25.0 37.6#

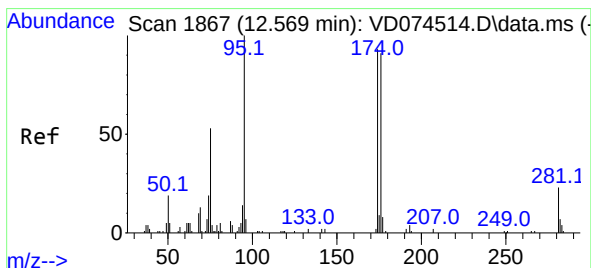
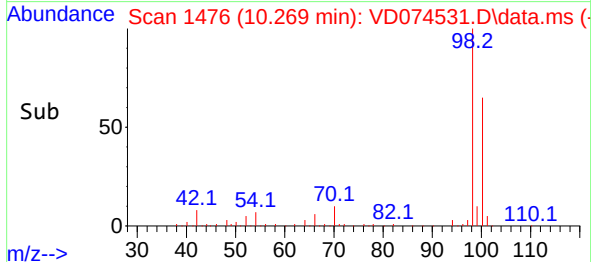
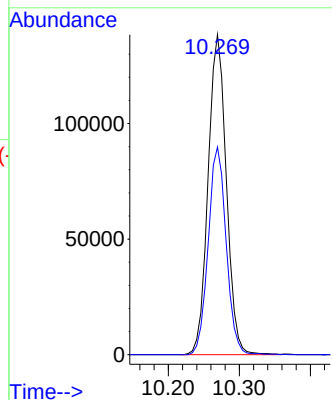
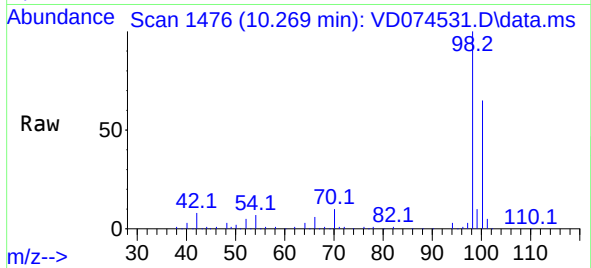




#50
Toluene-d8
Concen: 59.541 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074531.D
Acq: 13 Oct 2022 16:32

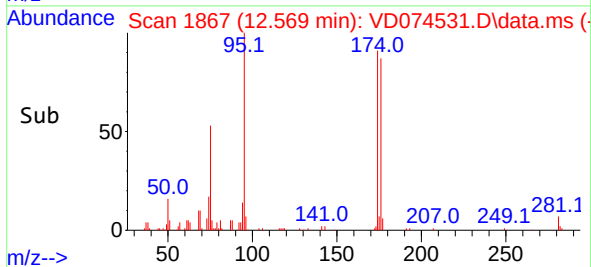
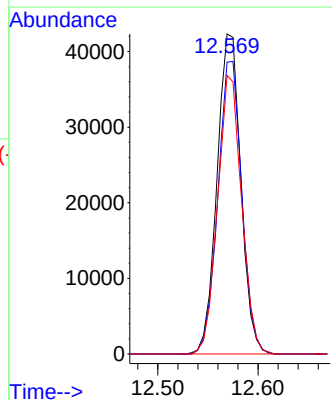
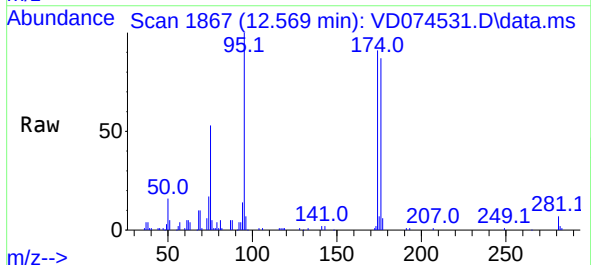
Instrument :
MSVOA_D
ClientSampleId :
HR-2-101222

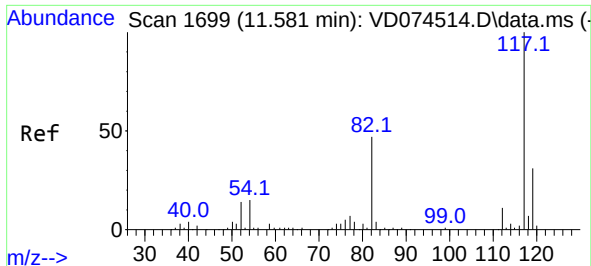
Tgt Ion: 98 Resp: 247300
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 55.528 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD074531.D
Acq: 13 Oct 2022 16:32

Tgt Ion: 95 Resp: 69667
Ion Ratio Lower Upper
95 100
174 92.1 0.0 197.0
176 87.8 0.0 182.6

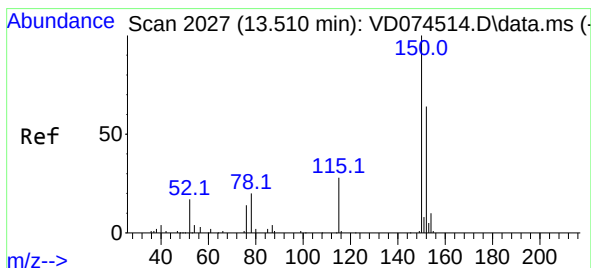
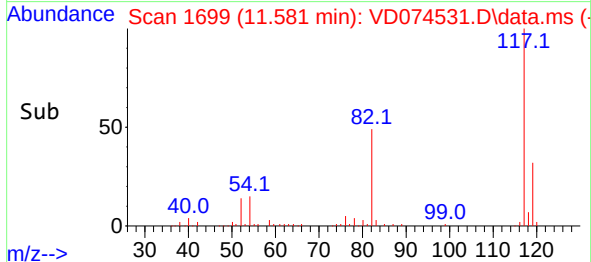
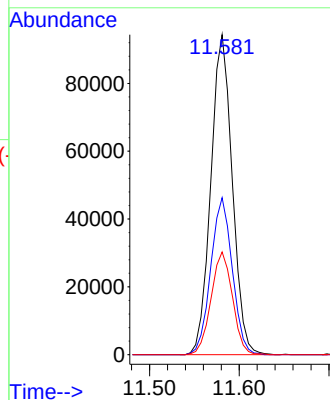
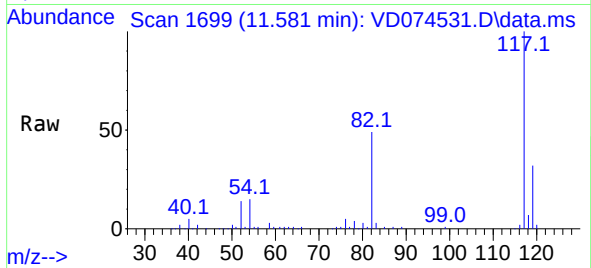




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD074531.D
Acq: 13 Oct 2022 16:32

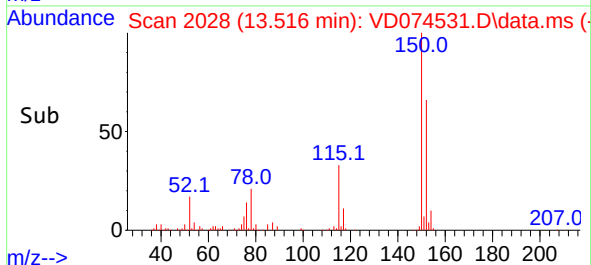
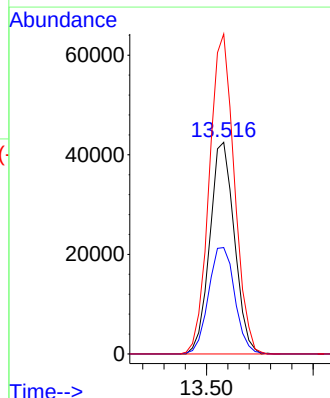
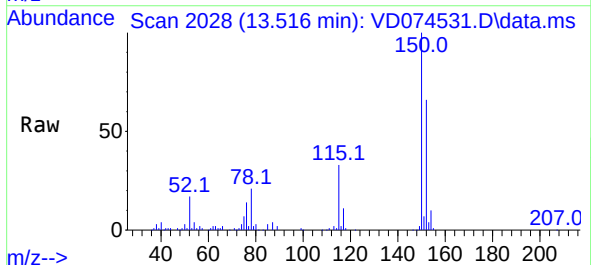
Instrument :
MSVOA_D
ClientSampleId :
HR-2-101222

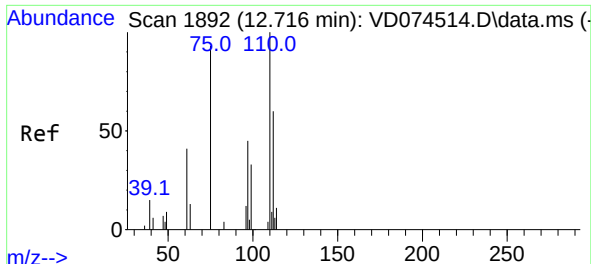
Tgt Ion:117 Resp: 156469
Ion Ratio Lower Upper
117 100
82 49.1 41.6 62.4
119 32.1 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD074531.D
Acq: 13 Oct 2022 16:32

Tgt Ion:152 Resp: 68082
Ion Ratio Lower Upper
152 100
115 54.0 26.8 80.4
150 153.8 0.0 348.2

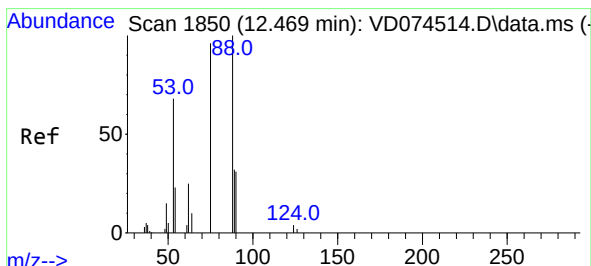
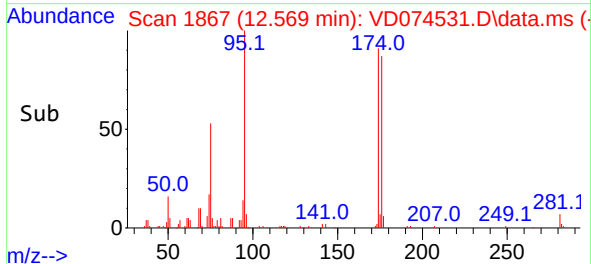
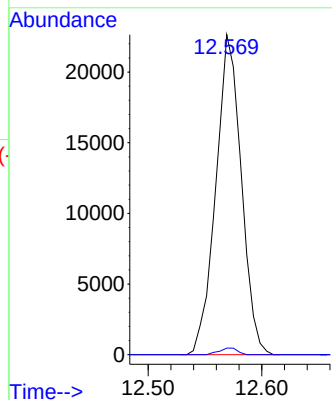
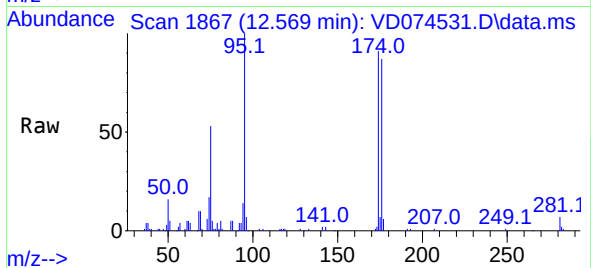




#76
1,2,3-Trichloropropane
Concen: 60.730 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.147 min
Lab File: VD074531.D
Acq: 13 Oct 2022 16:32

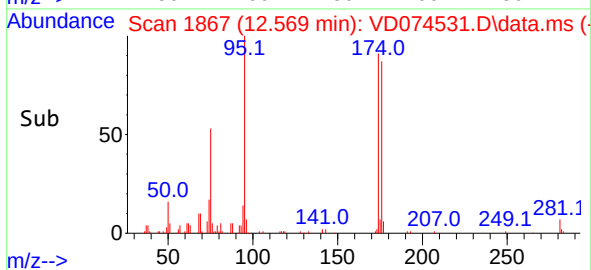
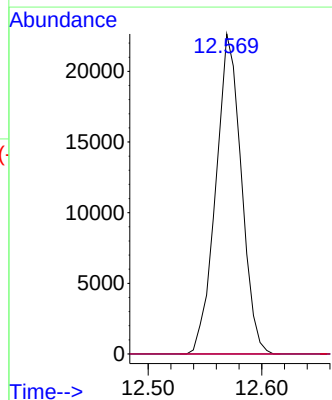
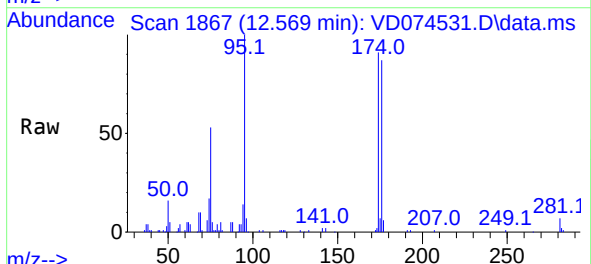
Instrument :
MSVOA_D
ClientSampleId :
HR-2-101222

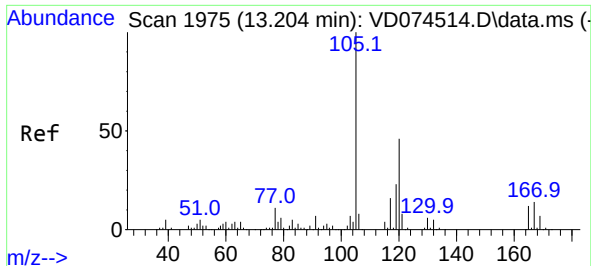
Tgt Ion: 75 Resp: 35335
Ion Ratio Lower Upper
75 100
77 1.5 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 154.048 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.106 min
Lab File: VD074531.D
Acq: 13 Oct 2022 16:32

Tgt Ion: 75 Resp: 35335
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

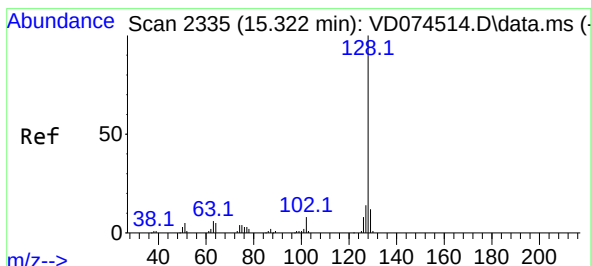
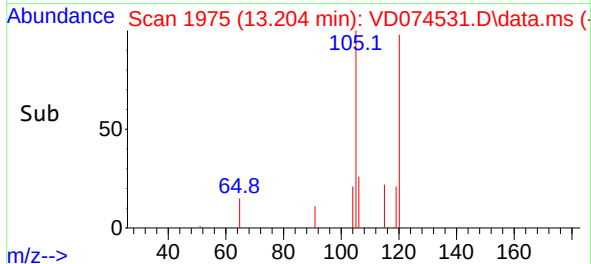
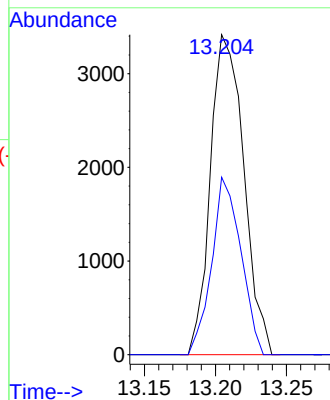
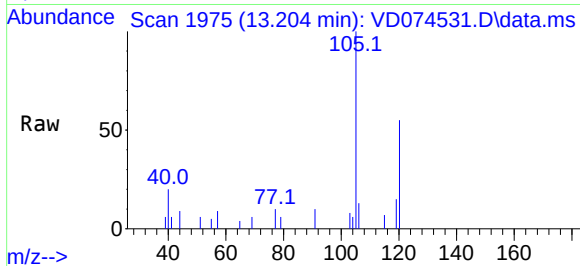




#84
1,2,4-Trimethylbenzene
Concen: 1.267 ug/l
RT: 13.204 min Scan# 1975
Delta R.T. 0.000 min
Lab File: VD074531.D
Acq: 13 Oct 2022 16:32

Instrument :
MSVOA_D
ClientSampleId :
HR-2-101222

Tgt Ion:105 Resp: 5586
Ion Ratio Lower Upper
105 100
120 48.4 22.9 68.7



#95
Naphthalene
Concen: 1.356 ug/l
RT: 15.328 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VD074531.D
Acq: 13 Oct 2022 16:32

Tgt Ion:128 Resp: 3656
Ion Ratio Lower Upper
128 100
127 8.4 10.6 16.0#
129 7.5 8.3 12.5#

