

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062422\
 Data File : VD073694.D
 Acq On : 24 Jun 2022 18:25
 Operator : VA/SY
 Sample : N3477-03
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-04-062322

Quant Time: Jun 25 07:23:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 24 07:36:47 2022
 Response via : Initial Calibration

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

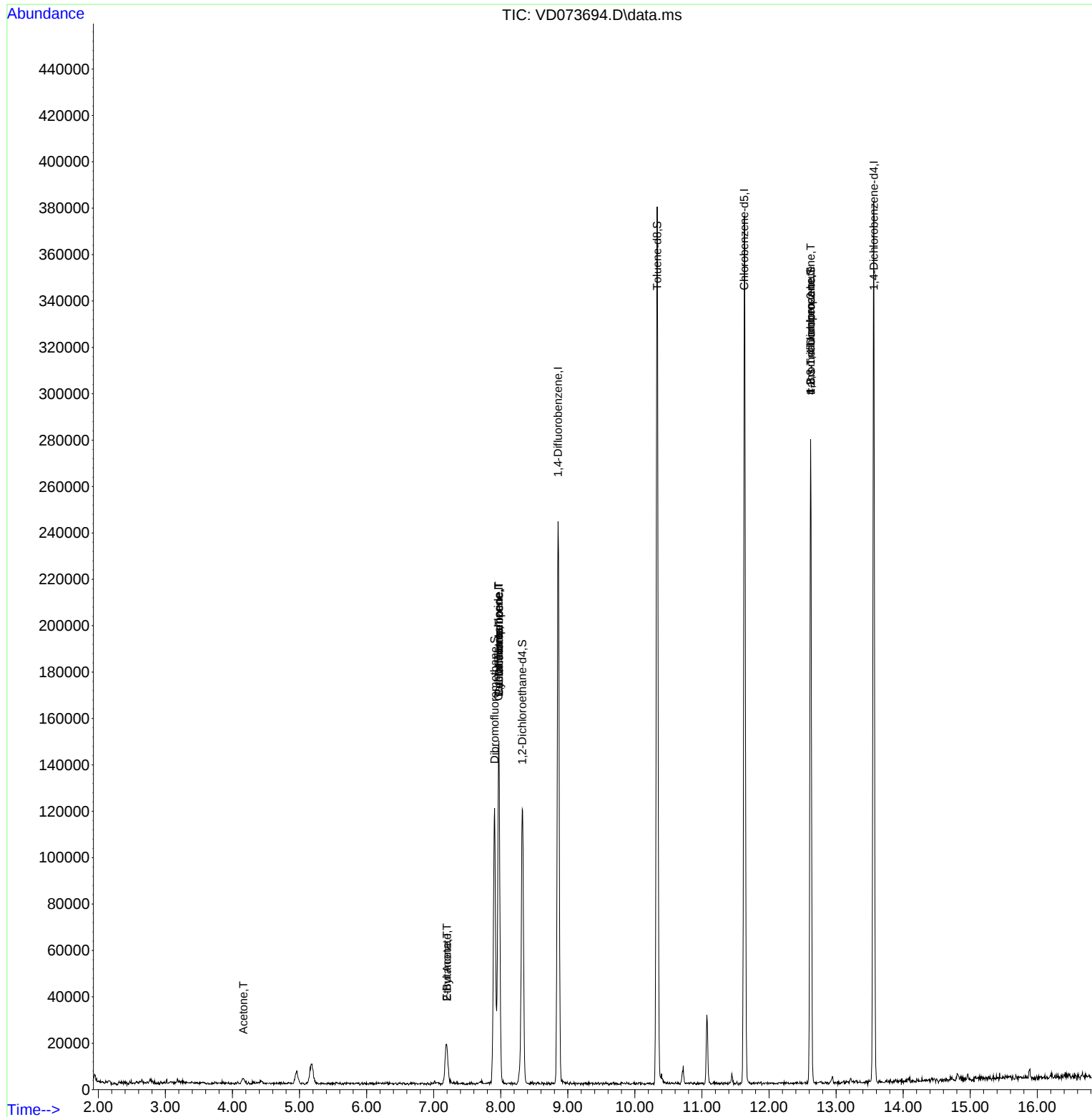
Internal Standards						
1) Pentafluorobenzene	7.973	168	109038	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	211118	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	216860	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	100170	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	98620	73.639	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 147.280%	
35) Dibromofluoromethane	7.909	113	81930	49.817	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.640%	
50) Toluene-d8	10.332	98	260405	44.099	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 88.200%	
62) 4-Bromofluorobenzene	12.620	95	93886	42.391	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 84.780%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.197	50	295	Below Cal	#	40
5) Bromomethane	2.774	94	561	Below Cal		100
11) Tert butyl alcohol	5.185	59	4930	Below Cal	#	100
16) Acetone	4.162	43	4032	11.543	ug/l	98
18) Methyl Acetate	4.709	43	89	Below Cal	#	50
20) Methylene Chloride	4.950	84	4436	Below Cal	#	73
25) 2-Butanone	7.197	43	1027	3.043	ug/l	# 47
31) Cyclohexane	7.973	56	2661	1.324	ug/l	# 12
36) 1,1-Dichloropropene	7.973	75	8149	3.530	ug/l	# 49
37) Ethyl Acetate	7.197	43	1027	1.133	ug/l	# 1
38) Carbon Tetrachloride	7.967	117	12124	4.510	ug/l	# 17
76) 1,2,3-Trichloropropane	12.620	75	43934	45.069	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.620	75	43934	92.012	ug/l	# 11

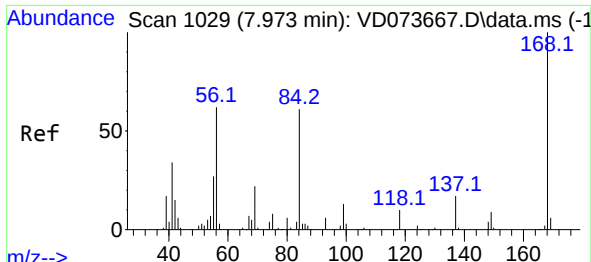
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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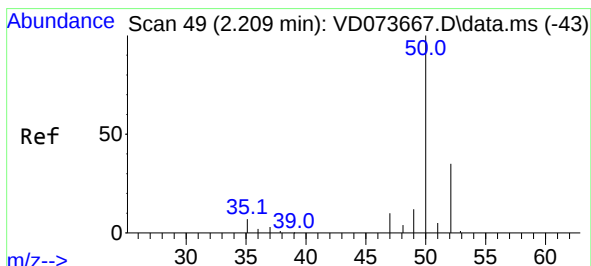
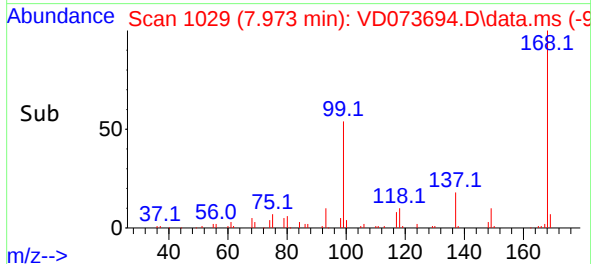
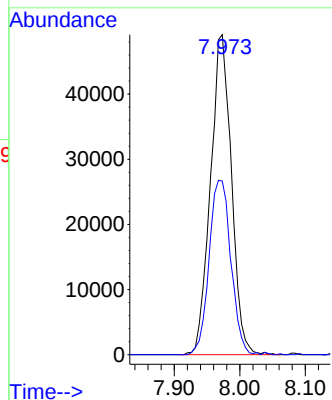
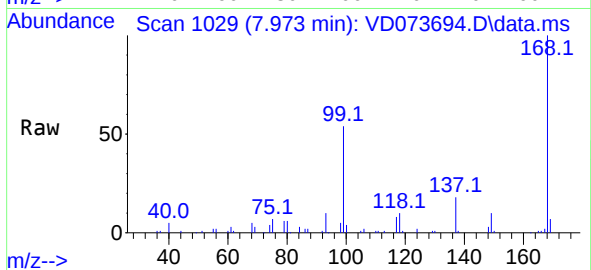




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD073694.D
Acq: 24 Jun 2022 18:25

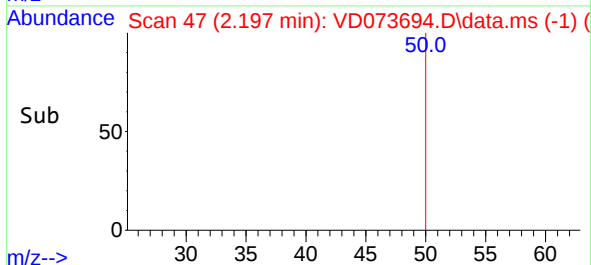
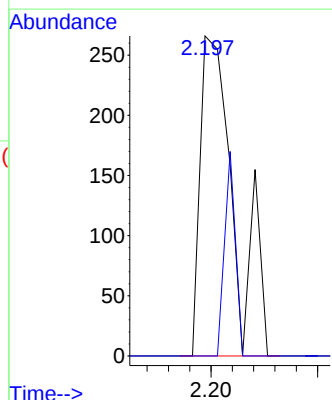
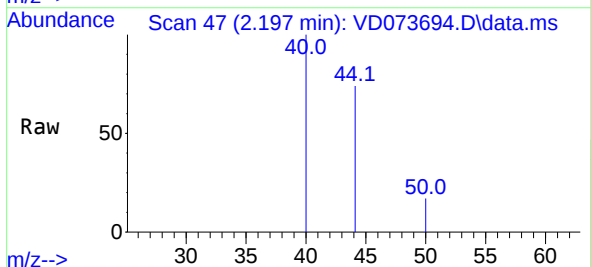
Instrument :
MSVOA_D
ClientSampleId :
HR-04-062322

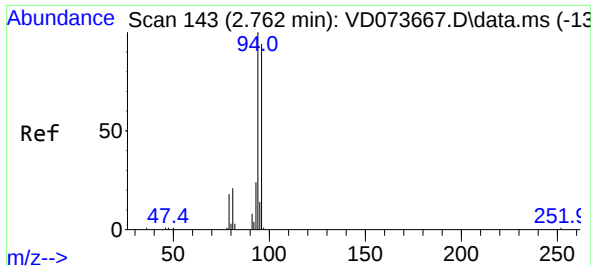
Tgt Ion:168 Resp: 109038
Ion Ratio Lower Upper
168 100
99 54.2 46.4 69.6



#3
Chloromethane
Concen: Below Cal
RT: 2.197 min Scan# 47
Delta R.T. -0.012 min
Lab File: VD073694.D
Acq: 24 Jun 2022 18:25

Tgt Ion: 50 Resp: 295
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#

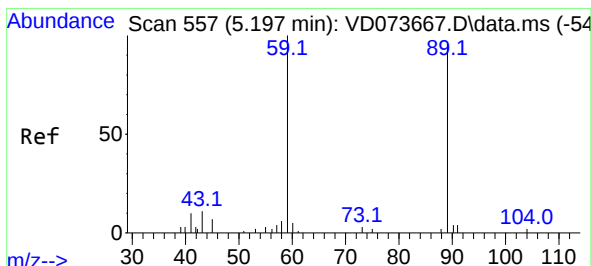
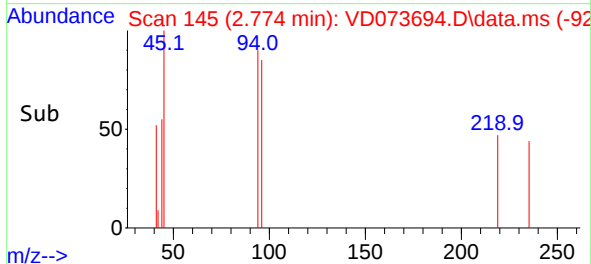
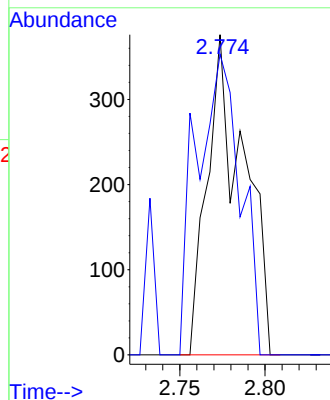
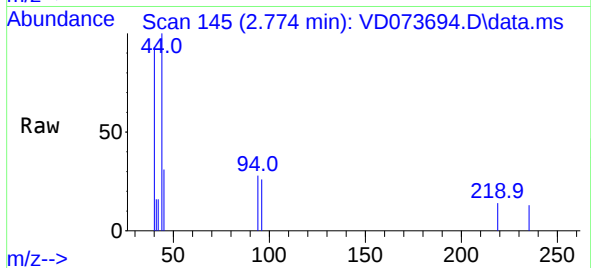




#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 14
Delta R.T. 0.012 min
Lab File: VD073694.D
Acq: 24 Jun 2022 18:25

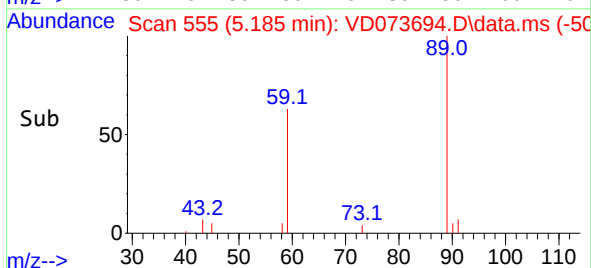
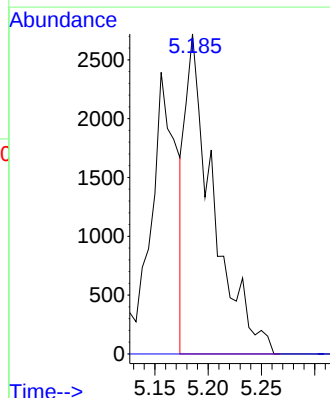
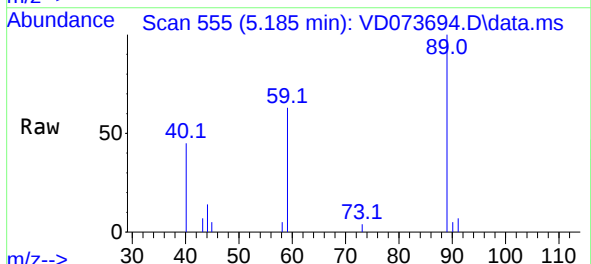
Instrument :
MSVOA_D
ClientSampleId :
HR-04-062322

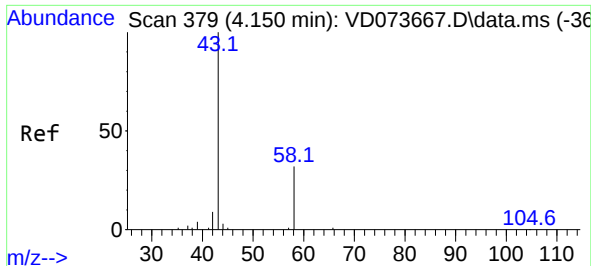
Tgt Ion: 94 Resp: 561
Ion Ratio Lower Upper
94 100
96 93.9 75.1 112.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.185 min Scan# 555
Delta R.T. -0.012 min
Lab File: VD073694.D
Acq: 24 Jun 2022 18:25

Tgt Ion: 59 Resp: 4930
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

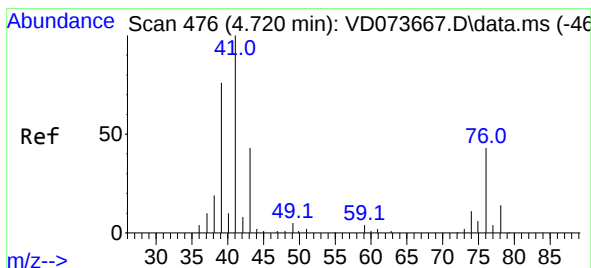
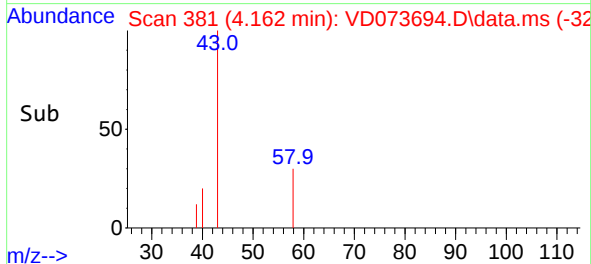
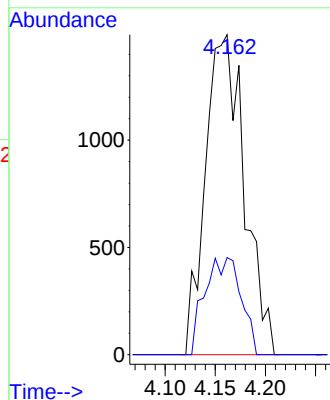
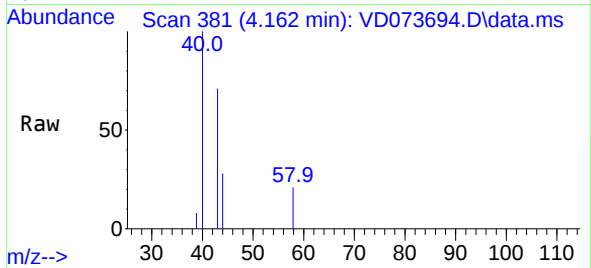




#16
Acetone
Concen: 11.543 ug/l
RT: 4.162 min Scan# 31
Delta R.T. 0.012 min
Lab File: VD073694.D
Acq: 24 Jun 2022 18:25

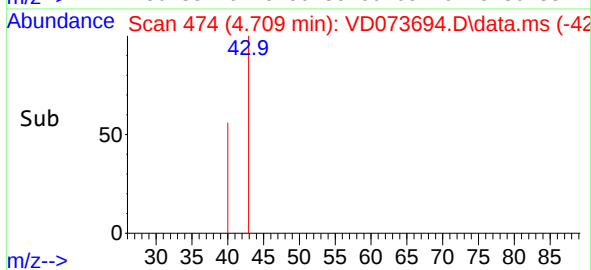
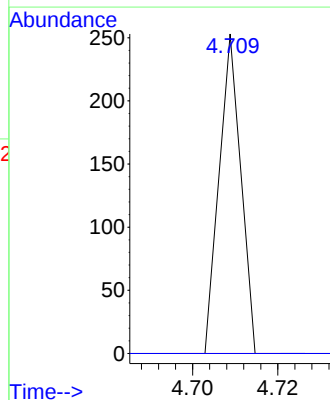
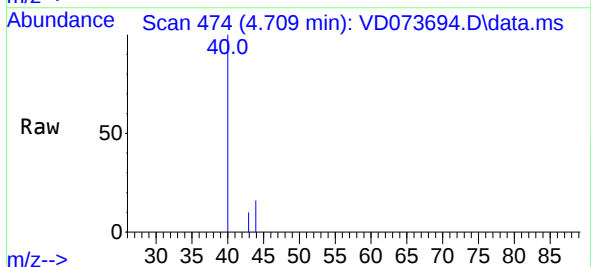
Instrument :
MSVOA_D
ClientSampleId :
HR-04-062322

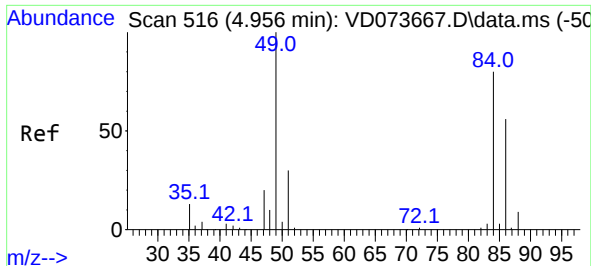
Tgt Ion: 43 Resp: 4032
Ion Ratio Lower Upper
43 100
58 30.4 25.2 37.8



#18
Methyl Acetate
Concen: Below Cal
RT: 4.709 min Scan# 474
Delta R.T. -0.011 min
Lab File: VD073694.D
Acq: 24 Jun 2022 18:25

Tgt Ion: 43 Resp: 89
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.4#



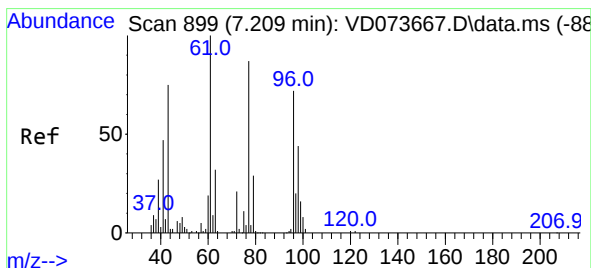
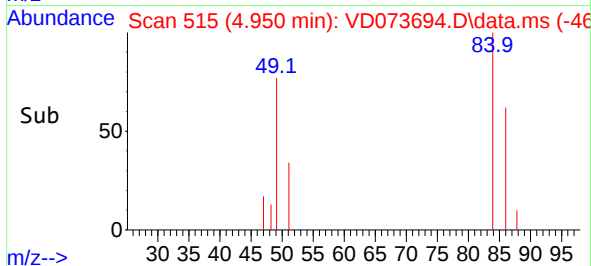
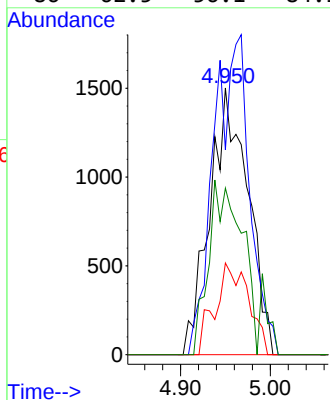
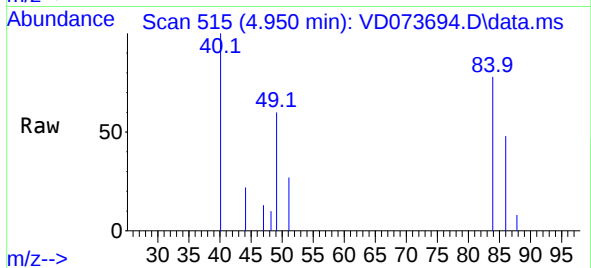


#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD073694.D
Acq: 24 Jun 2022 18:25

Instrument :
MSVOA_D
ClientSampleId :
HR-04-062322

Tgt Ion: 84 Resp: 4436

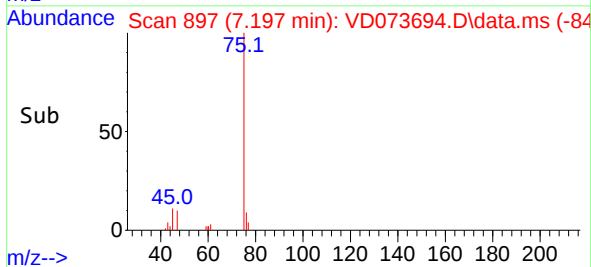
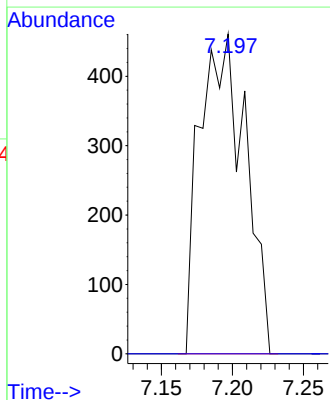
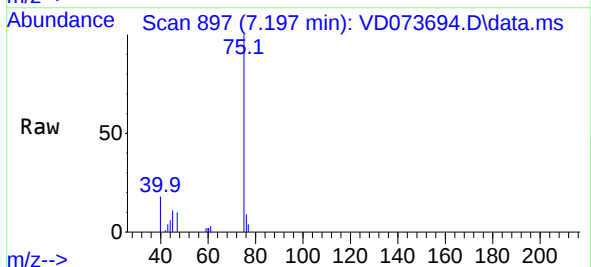
Ion	Ratio	Lower	Upper
84	100		
49	76.8	100.6	150.8#
51	34.4	29.8	44.6
86	62.5	56.1	84.1

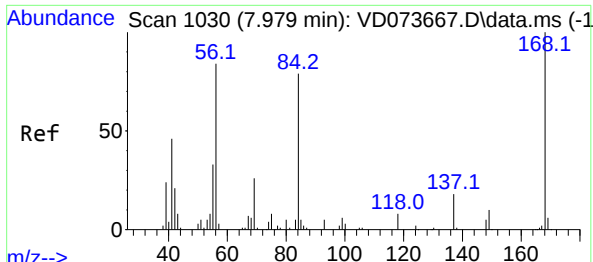


#25
2-Butanone
Concen: 3.043 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.012 min
Lab File: VD073694.D
Acq: 24 Jun 2022 18:25

Tgt Ion: 43 Resp: 1027

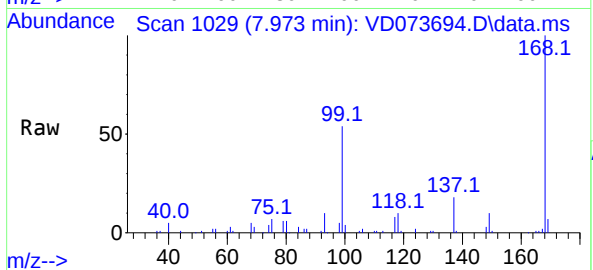
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.6	33.8#



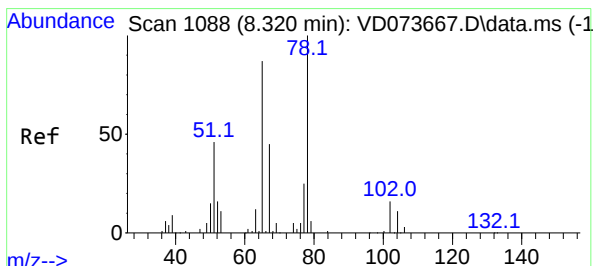
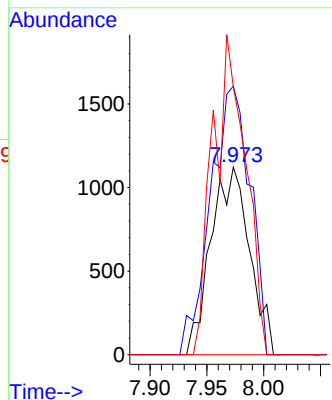
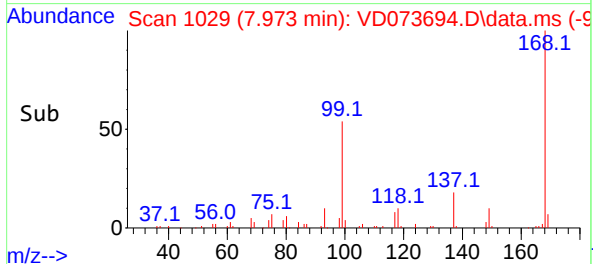


#31
Cyclohexane
Concen: 1.324 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073694.D
Acq: 24 Jun 2022 18:25

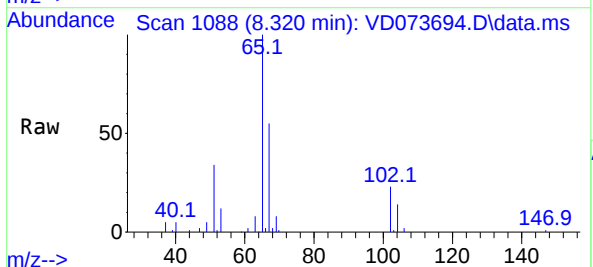
Instrument :
MSVOA_D
ClientSampleId :
HR-04-062322



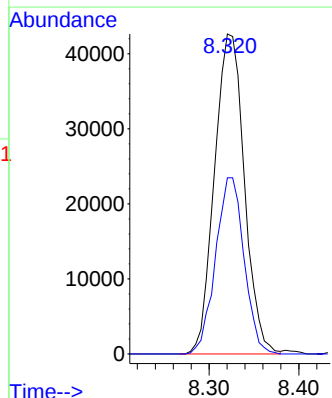
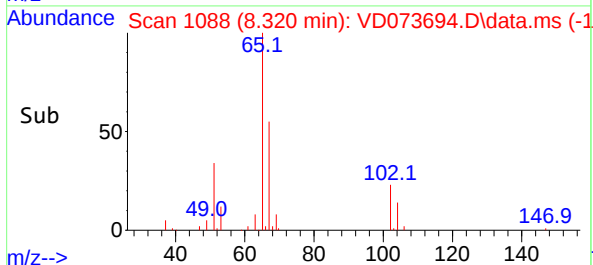
Tgt Ion: 56 Resp: 2661
Ion Ratio Lower Upper
56 100
69 143.2 25.2 37.8#
84 142.8 75.4 113.2#

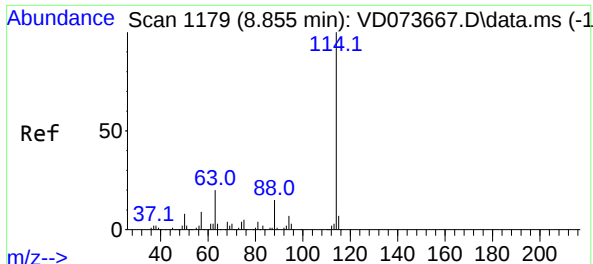


#33
1,2-Dichloroethane-d4
Concen: 73.639 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VD073694.D
Acq: 24 Jun 2022 18:25



Tgt Ion: 65 Resp: 98620
Ion Ratio Lower Upper
65 100
67 52.5 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073694.D

Acq: 24 Jun 2022 18:25

Instrument :

MSVOA_D

ClientSampleId :

HR-04-062322

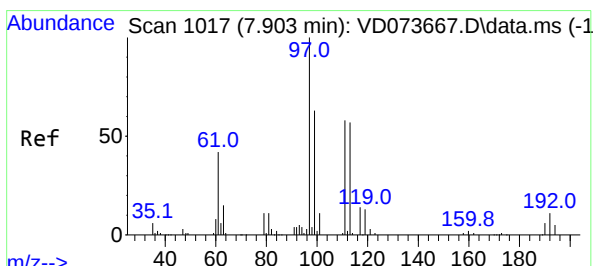
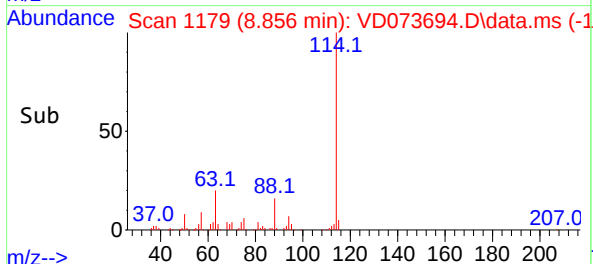
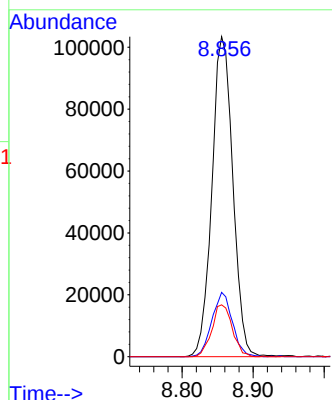
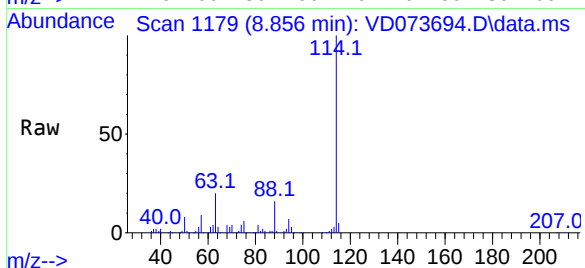
Tgt Ion:114 Resp: 211118

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.2

88 16.2 0.0 29.4



#35

Dibromofluoromethane

Concen: 49.817 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.006 min

Lab File: VD073694.D

Acq: 24 Jun 2022 18:25

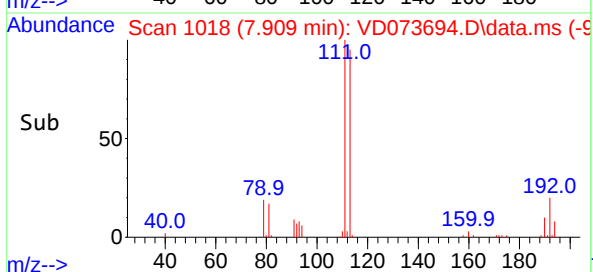
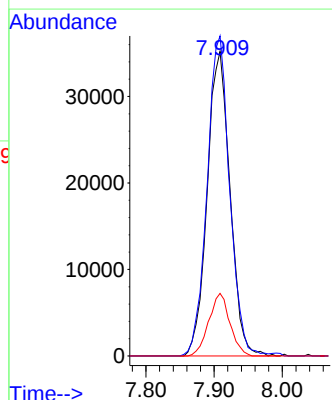
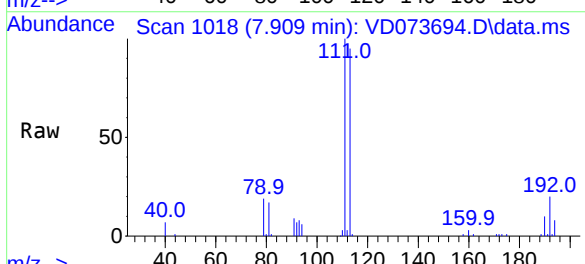
Tgt Ion:113 Resp: 81930

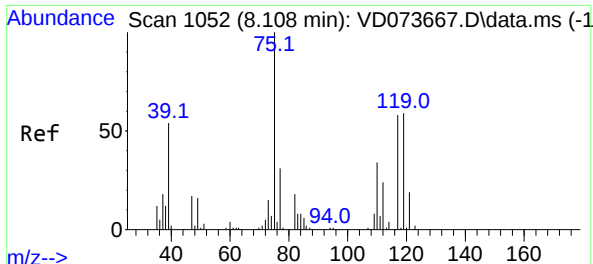
Ion Ratio Lower Upper

113 100

111 104.0 81.8 122.6

192 19.1 14.8 22.2

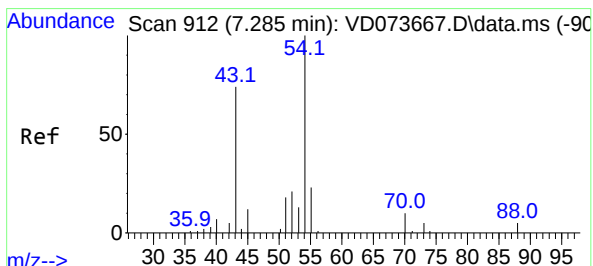
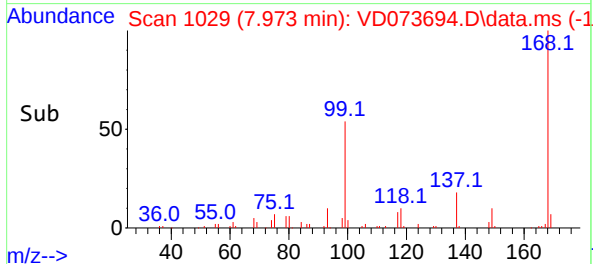
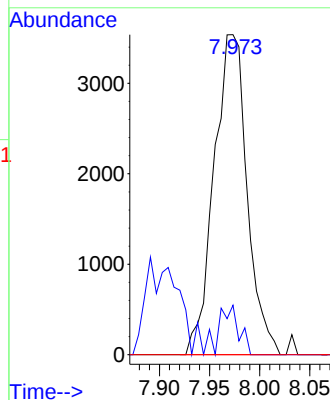
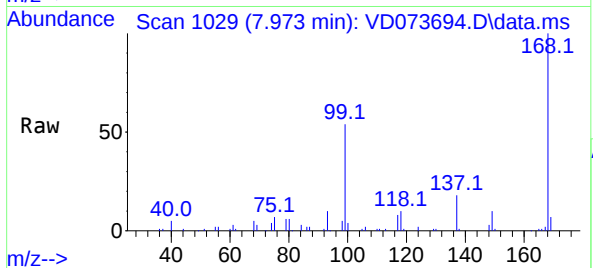




#36
1,1-Dichloropropene
Concen: 3.530 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD073694.D
Acq: 24 Jun 2022 18:25

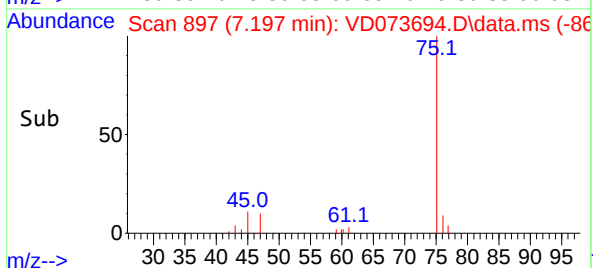
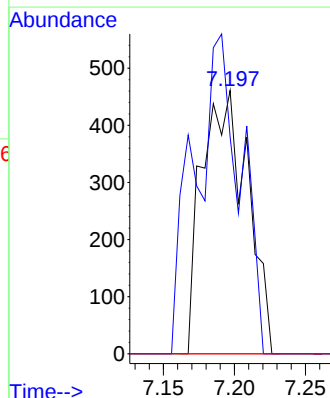
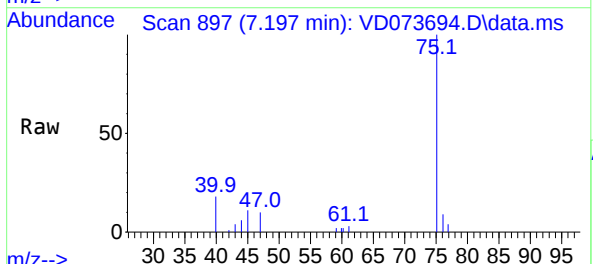
Instrument :
MSVOA_D
ClientSampleId :
HR-04-062322

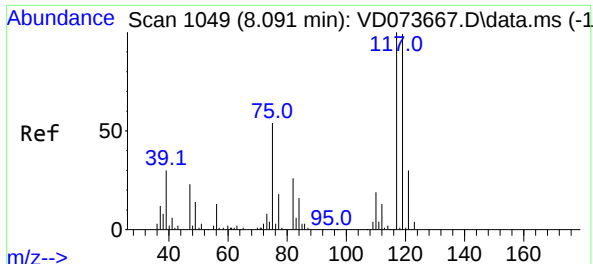
Tgt Ion: 75 Resp: 8149
Ion Ratio Lower Upper
75 100
110 9.5 18.0 54.0#
77 0.0 25.6 38.4#



#37
Ethyl Acetate
Concen: 1.133 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.088 min
Lab File: VD073694.D
Acq: 24 Jun 2022 18:25

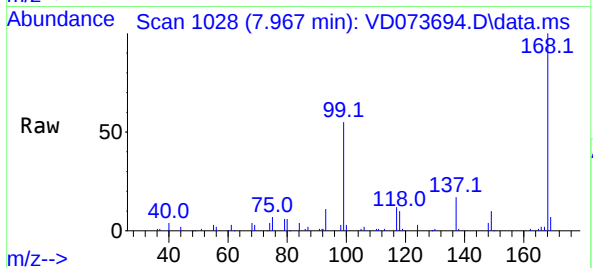
Tgt Ion: 43 Resp: 1027
Ion Ratio Lower Upper
43 100
61 121.9 10.6 16.0#
70 0.0 9.9 14.9#



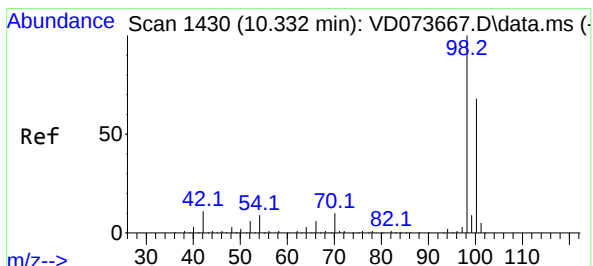
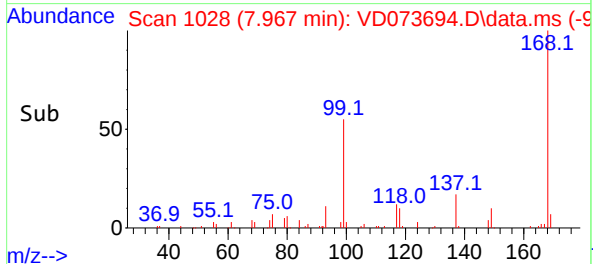
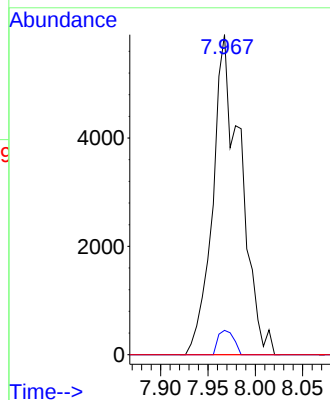


#38
Carbon Tetrachloride
Concen: 4.510 ug/l
RT: 7.967 min Scan# 1049
Delta R.T. -0.123 min
Lab File: VD073694.D
Acq: 24 Jun 2022 18:25

Instrument :
MSVOA_D
ClientSampleId :
HR-04-062322

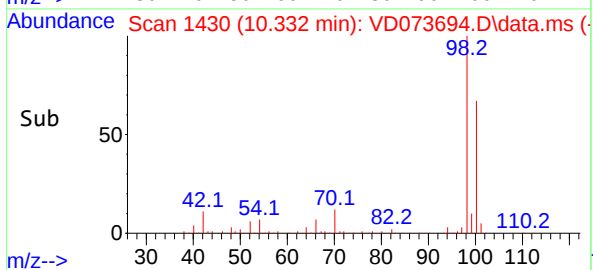
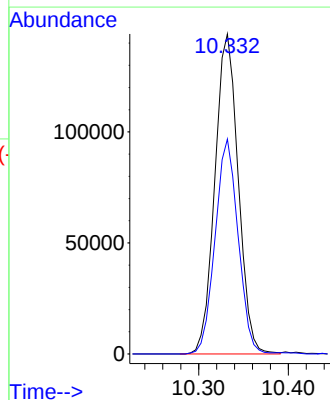
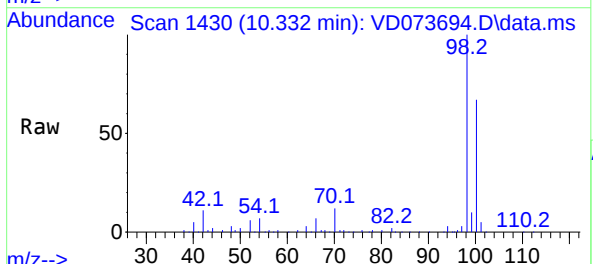


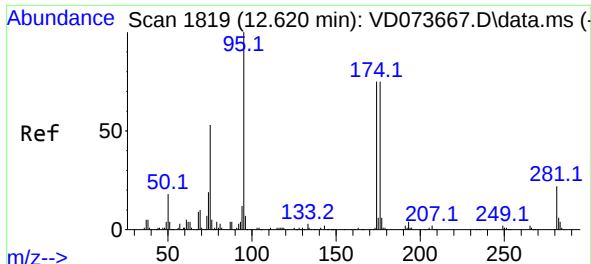
Tgt Ion:117 Resp: 12124
Ion Ratio Lower Upper
117 100
119 7.6 79.2 118.8#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 44.099 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073694.D
Acq: 24 Jun 2022 18:25

Tgt Ion: 98 Resp: 260405
Ion Ratio Lower Upper
98 100
100 66.1 54.0 81.0

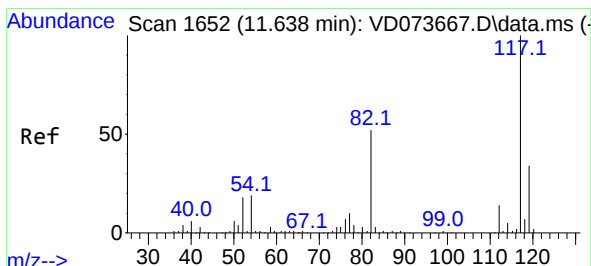
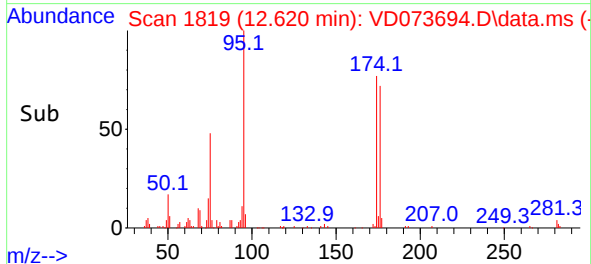
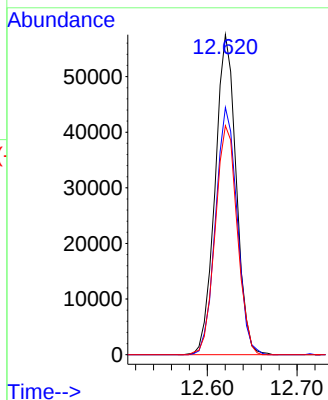
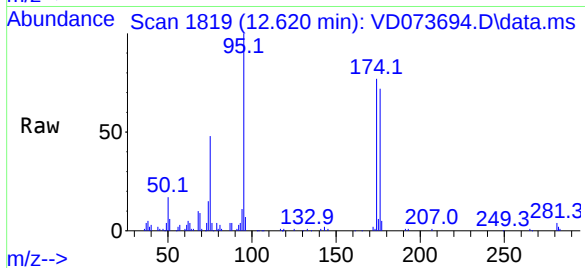




#62
4-Bromofluorobenzene
Concen: 42.391 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073694.D
Acq: 24 Jun 2022 18:25

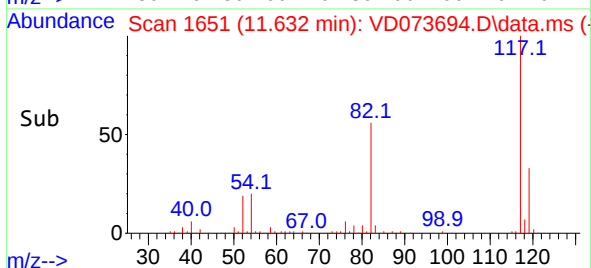
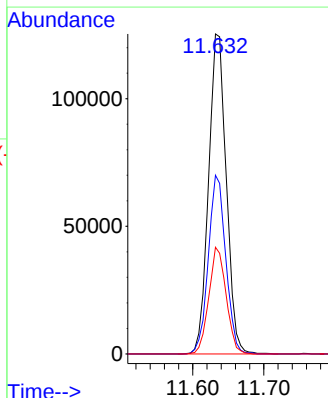
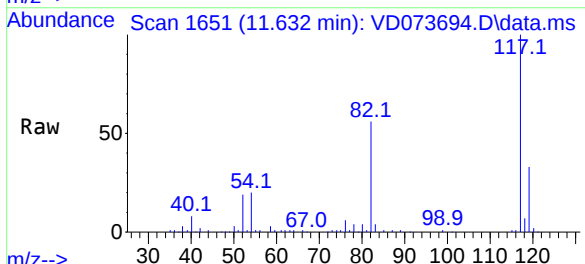
Instrument :
MSVOA_D
ClientSampleId :
HR-04-062322

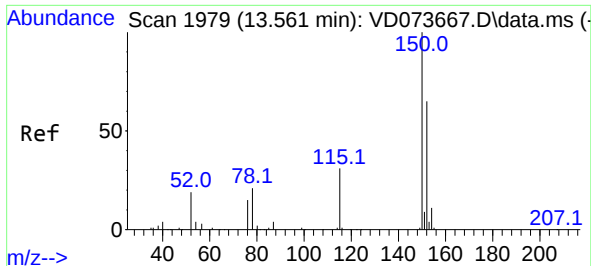
Tgt Ion:	95	Resp:	93886
Ion	Ratio	Lower	Upper
95	100		
174	78.7	0.0	158.4
176	74.5	0.0	154.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073694.D
Acq: 24 Jun 2022 18:25

Tgt Ion:	117	Resp:	216860
Ion	Ratio	Lower	Upper
117	100		
82	55.9	41.5	62.3
119	33.4	27.1	40.7

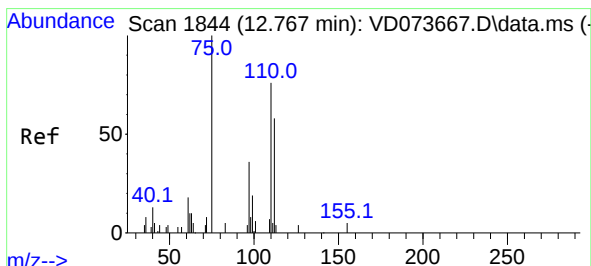
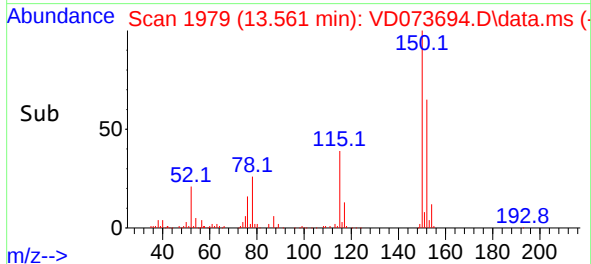
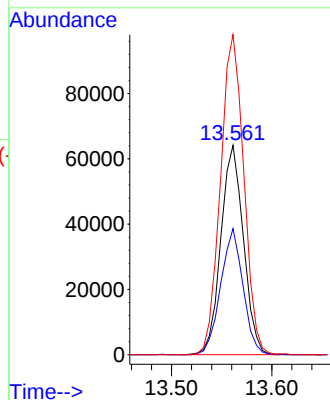
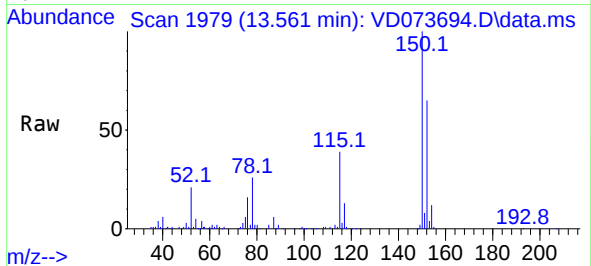




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073694.D
Acq: 24 Jun 2022 18:25

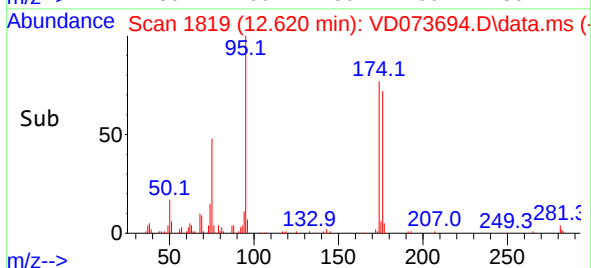
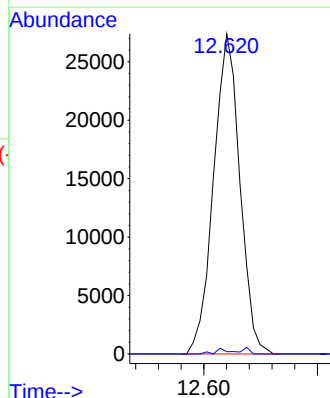
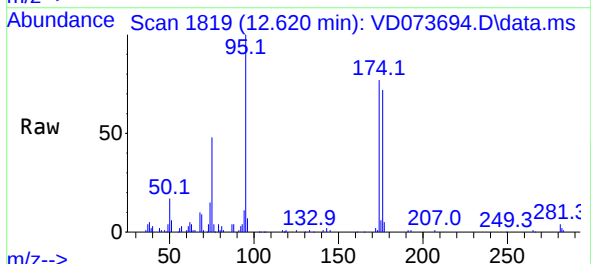
Instrument :
MSVOA_D
ClientSampleId :
HR-04-062322

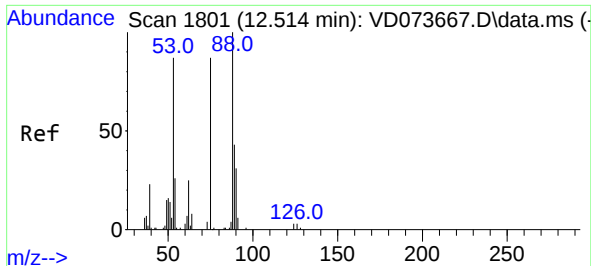
Tgt Ion:152 Resp: 100170
Ion Ratio Lower Upper
152 100
115 59.6 30.6 91.6
150 158.1 0.0 355.0



#76
1,2,3-Trichloropropane
Concen: 45.069 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073694.D
Acq: 24 Jun 2022 18:25

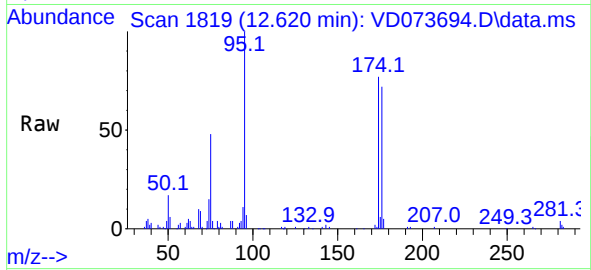
Tgt Ion: 75 Resp: 43934
Ion Ratio Lower Upper
75 100
77 1.0 195.3 586.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 92.012 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD073694.D
Acq: 24 Jun 2022 18:25

Instrument :
MSVOA_D
ClientSampleId :
HR-04-062322



Tgt Ion: 75 Resp: 43934
Ion Ratio Lower Upper
75 100
53 0.0 77.0 115.6#
89 0.0 37.8 56.8#

