

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082823\
 Data File : VD077039.D
 Acq On : 28 Aug 2023 12:57
 Operator : JC/SY
 Sample : VIBLK
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 29 02:50:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 29 02:15:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	176002	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	353835	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	339981	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	156002	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	86045	49.655	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.320%
35) Dibromofluoromethane	7.804	113	118907	50.302	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.600%
50) Toluene-d8	10.269	98	410830	48.040	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.080%
62) 4-Bromofluorobenzene	12.575	95	130901	51.917	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	103.840%

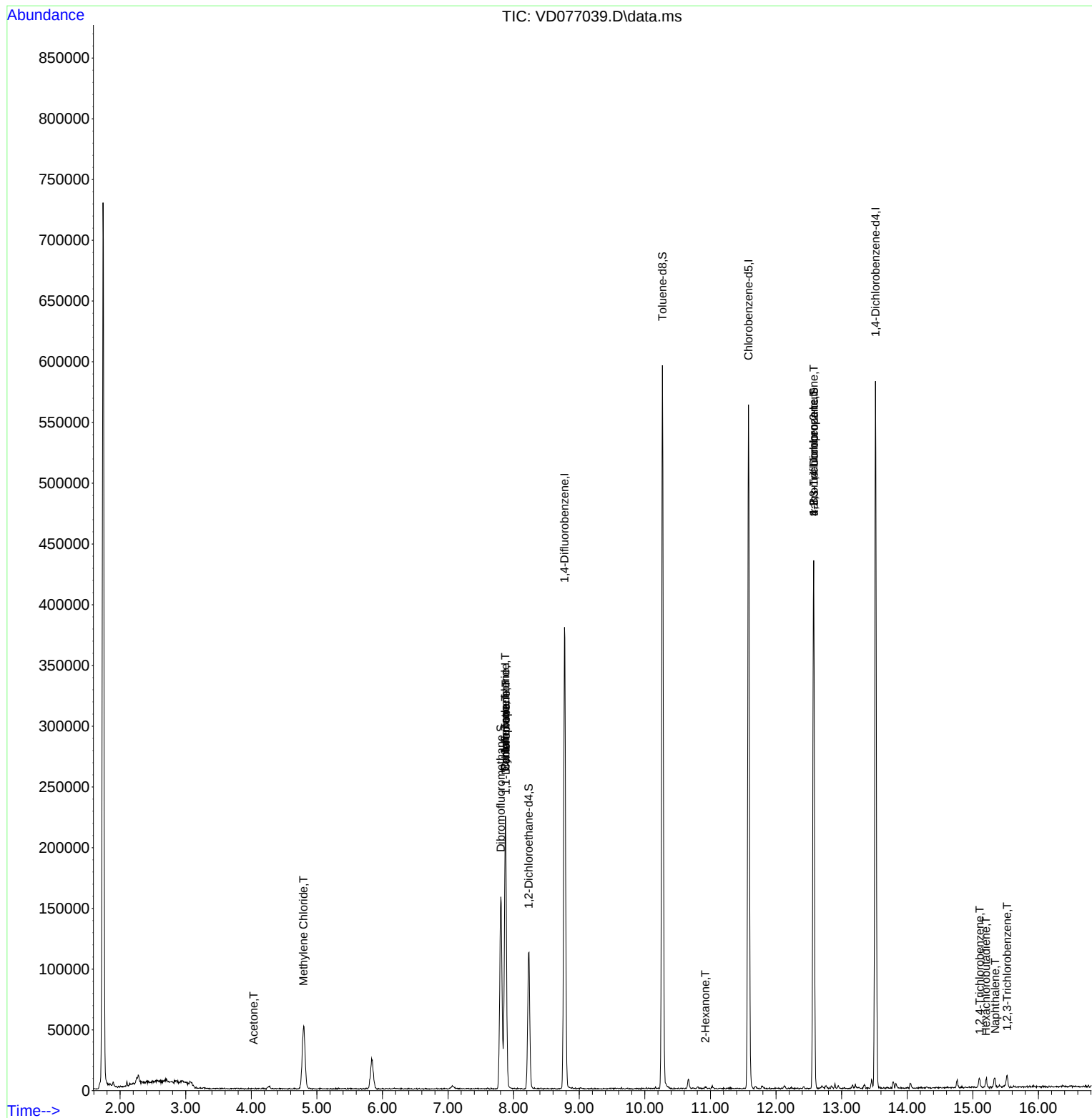
Target Compounds					Qvalue	
3) Chloromethane	2.146	50	1315	Below Cal	#	84
16) Acetone	4.034	43	410	1.038	ug/l #	32
20) Methylene Chloride	4.793	84	43675	14.887	ug/l	93
31) Cyclohexane	7.875	56	3215	1.161	ug/l #	1
36) 1,1-Dichloropropene	7.881	75	12957	3.848	ug/l #	48
38) Carbon Tetrachloride	7.875	117	18148	5.330	ug/l #	14
59) 2-Hexanone	10.922	43	951	1.116	ug/l	93
76) 1,2,3-Trichloropropane	12.575	75	66978	44.513	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	66978	103.351	ug/l #	17
93) 1,2,4-Trichlorobenzene	15.104	180	3251	1.090	ug/l	92
94) Hexachlorobutadiene	15.198	225	1615	1.033	ug/l	76
95) Naphthalene	15.339	128	9172	1.658	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.522	180	4305	1.612	ug/l	89

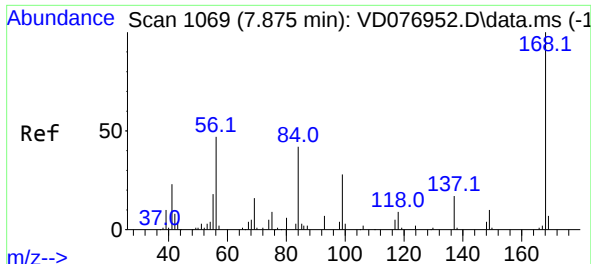
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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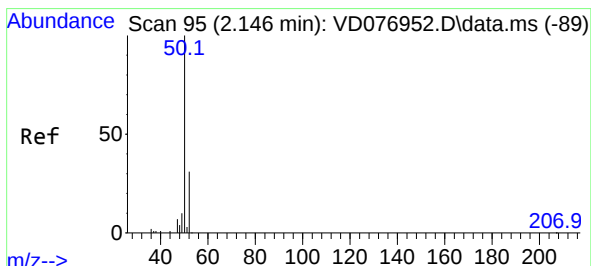
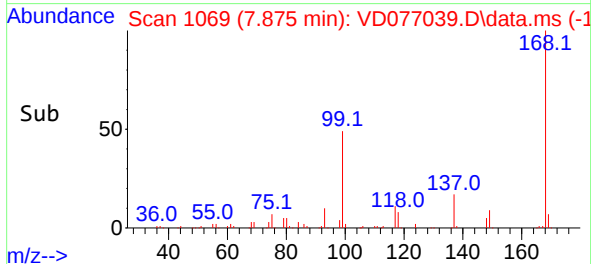
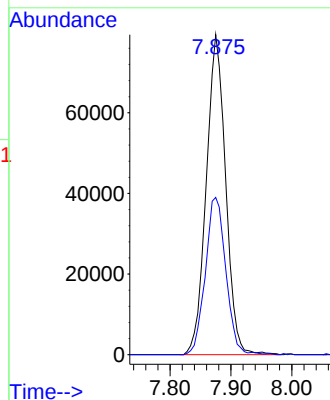
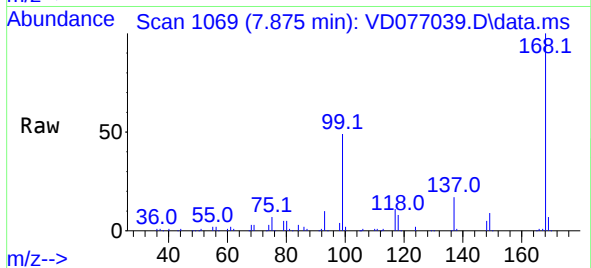




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD077039.D
Acq: 28 Aug 2023 12:57

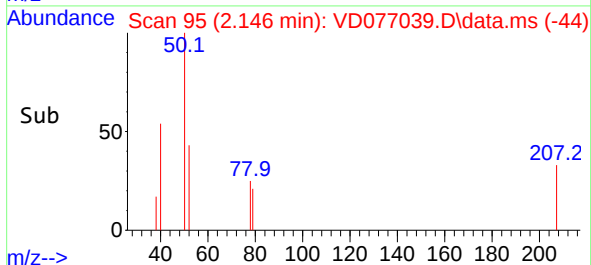
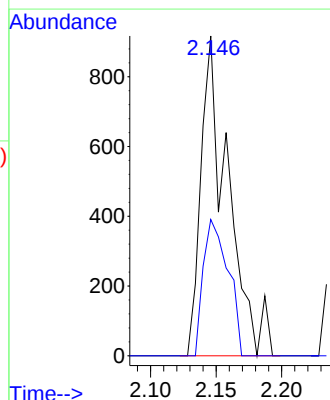
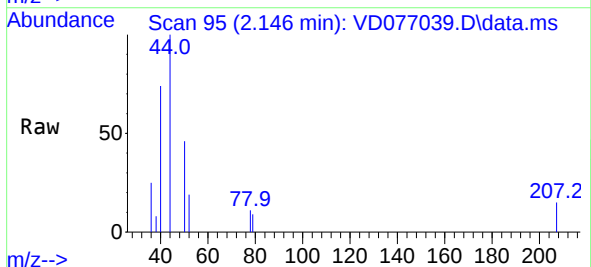
Instrument :
MSVOA_D
ClientSampleId :

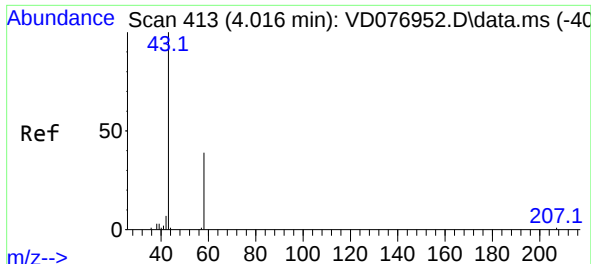
Tgt Ion:168 Resp: 176002
Ion Ratio Lower Upper
168 100
99 49.1 36.7 55.1



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD077039.D
Acq: 28 Aug 2023 12:57

Tgt Ion: 50 Resp: 1315
Ion Ratio Lower Upper
50 100
52 42.6 26.6 40.0#

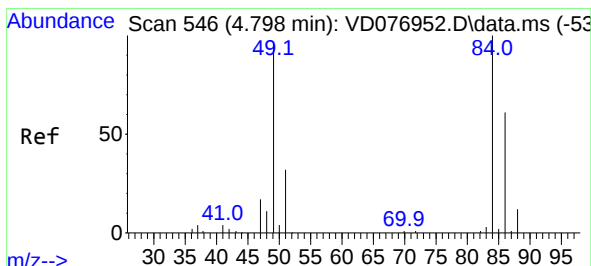
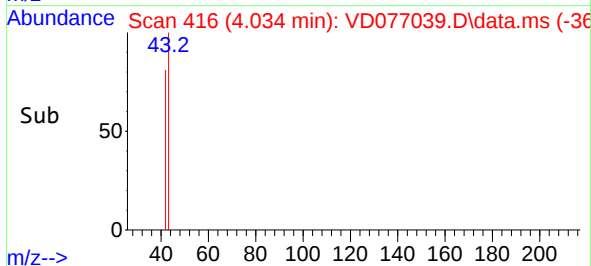
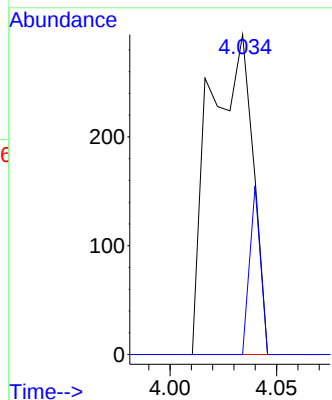
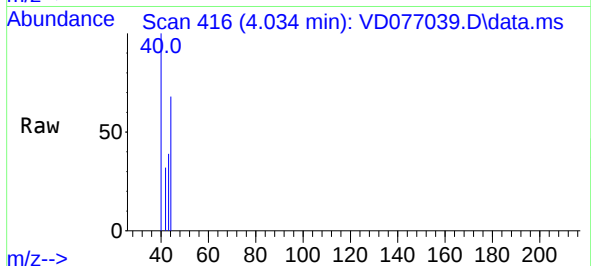




#16
Acetone
Concen: 1.038 ug/l
RT: 4.034 min Scan# 41
Delta R.T. 0.018 min
Lab File: VD077039.D
Acq: 28 Aug 2023 12:57

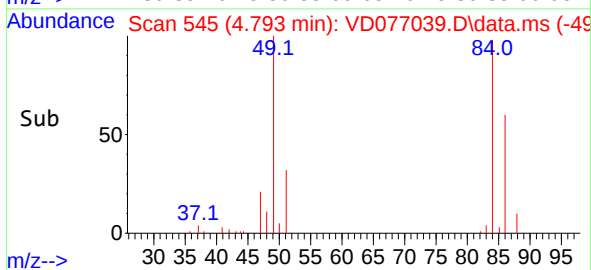
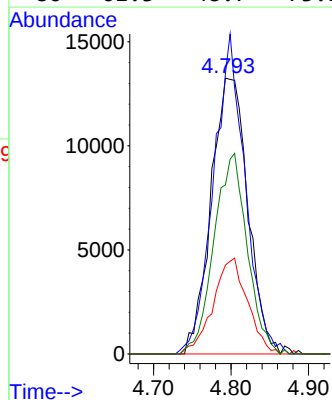
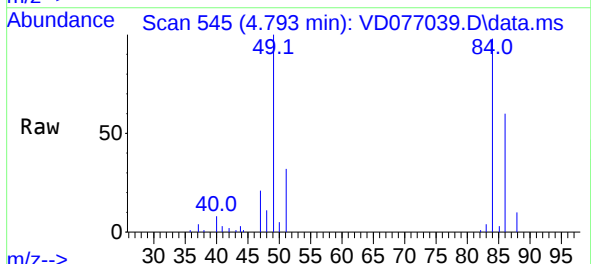
Instrument :
MSVOA_D
ClientSampleId :

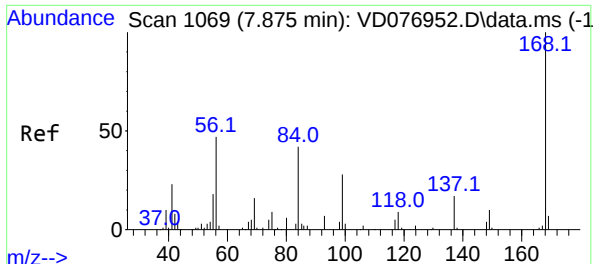
Tgt Ion: 43 Resp: 410
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: 14.887 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.005 min
Lab File: VD077039.D
Acq: 28 Aug 2023 12:57

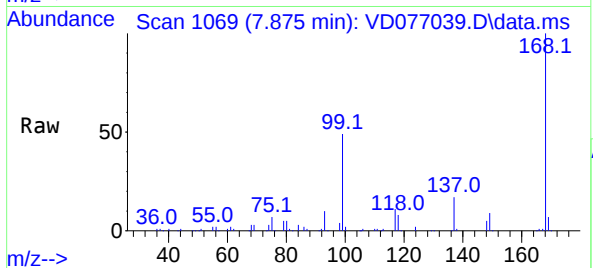
Tgt Ion: 84 Resp: 43675
Ion Ratio Lower Upper
84 100
49 100.5 71.4 107.2
51 32.2 24.5 36.7
86 61.3 48.7 73.1



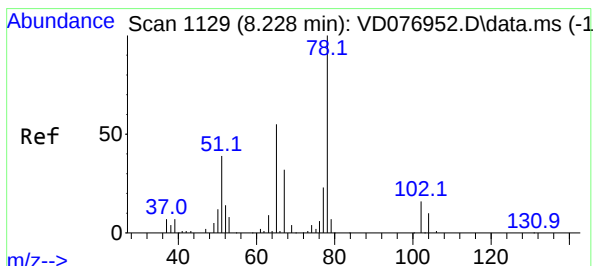
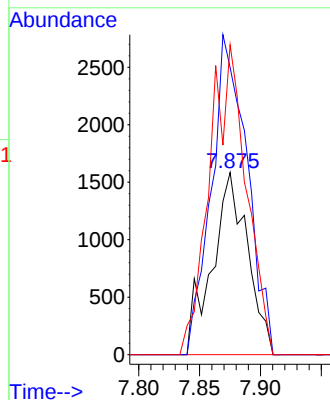
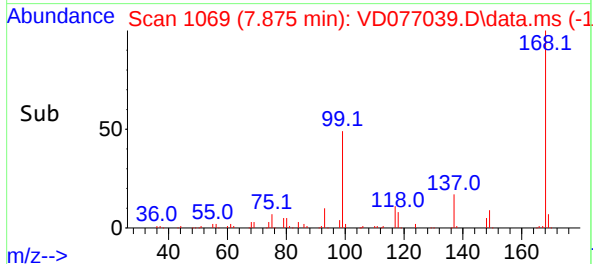


#31
Cyclohexane
Concen: 1.161 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077039.D
Acq: 28 Aug 2023 12:57

Instrument :
MSVOA_D
ClientSampleId :

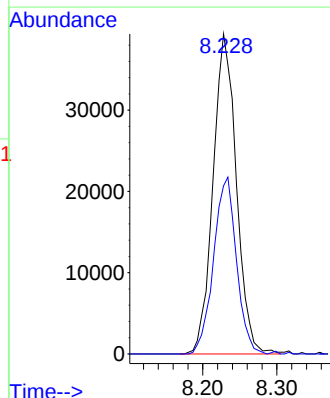
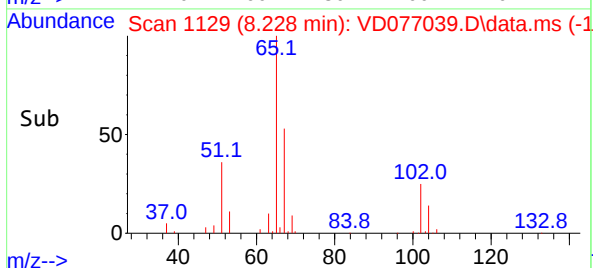
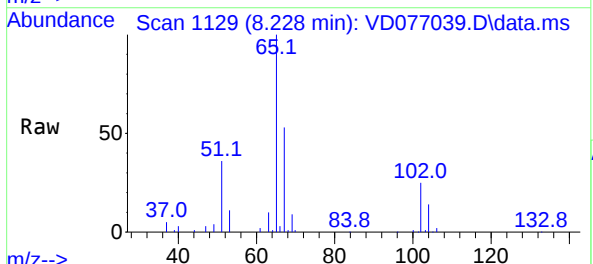


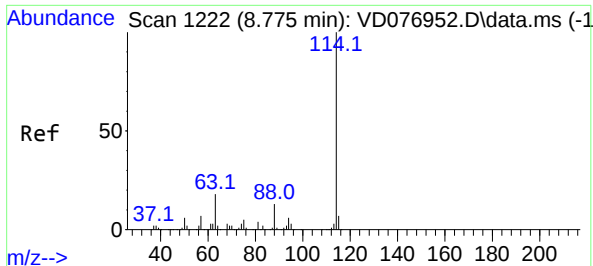
Tgt Ion: 56 Resp: 3215
Ion Ratio Lower Upper
56 100
69 157.7 28.6 43.0#
84 170.2 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 49.655 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD077039.D
Acq: 28 Aug 2023 12:57

Tgt Ion: 65 Resp: 86045
Ion Ratio Lower Upper
65 100
67 54.2 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD077039.D

Acq: 28 Aug 2023 12:57

Instrument :

MSVOA_D

ClientSampleId :

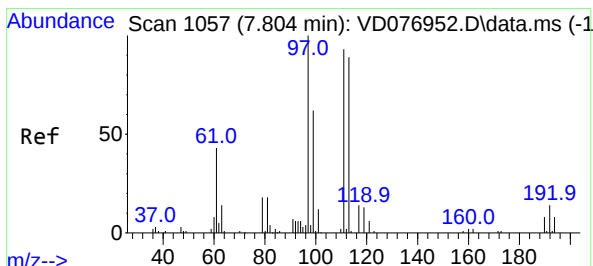
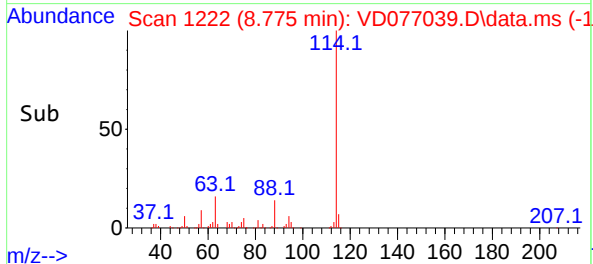
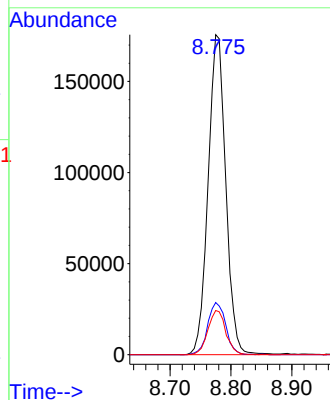
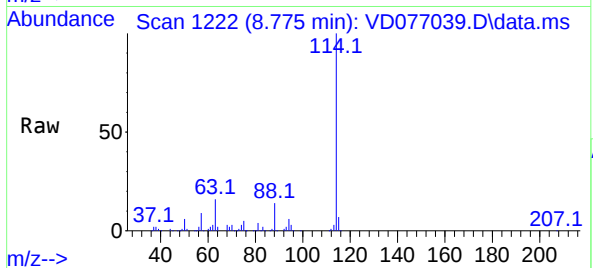
Tgt Ion:114 Resp: 353835

Ion Ratio Lower Upper

114 100

63 16.3 0.0 33.4

88 13.8 0.0 26.2



#35

Dibromofluoromethane

Concen: 50.302 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077039.D

Acq: 28 Aug 2023 12:57

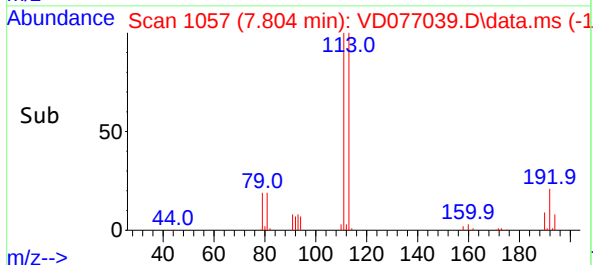
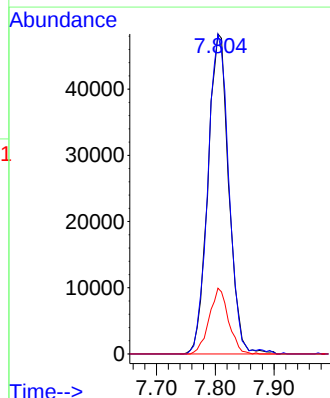
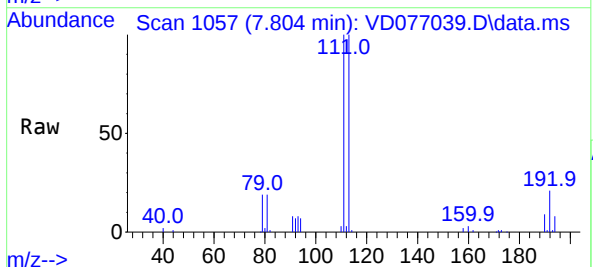
Tgt Ion:113 Resp: 118907

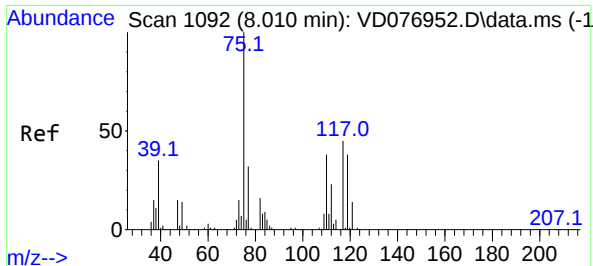
Ion Ratio Lower Upper

113 100

111 100.0 84.7 127.1

192 19.1 16.8 25.2





#36

1,1-Dichloropropene

Concen: 3.848 ug/l

RT: 7.881 min Scan# 1092

Delta R.T. -0.129 min

Lab File: VD077039.D

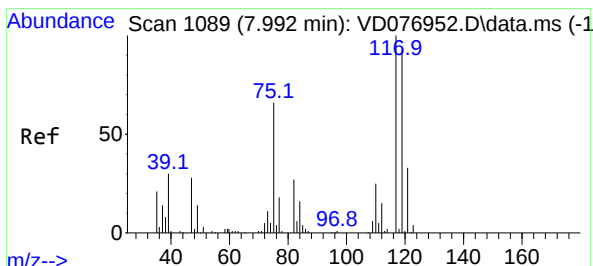
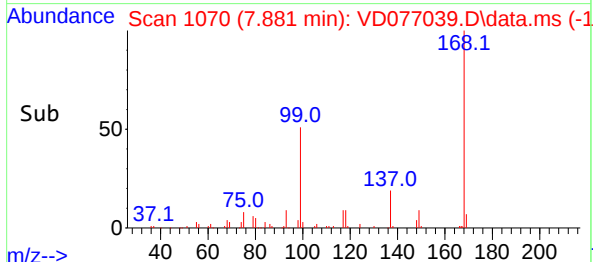
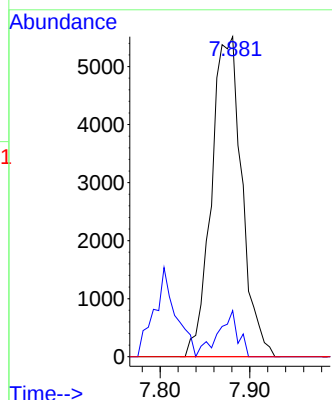
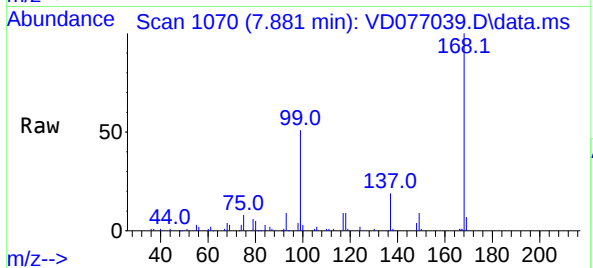
Acq: 28 Aug 2023 12:57

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 75	Resp: 12957
Ion Ratio	Lower Upper
75	100
110	9.5 19.9 59.6#
77	0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.330 ug/l

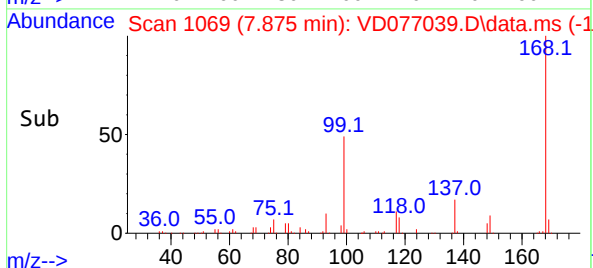
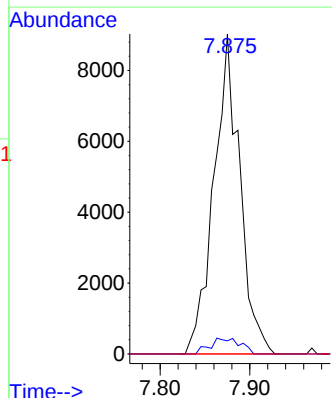
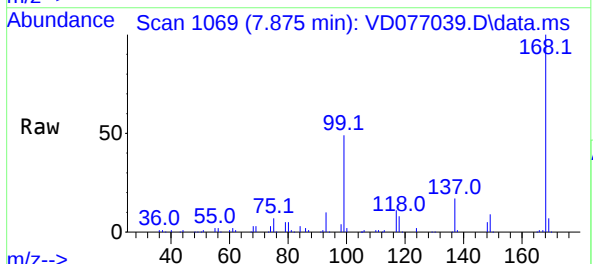
RT: 7.875 min Scan# 1069

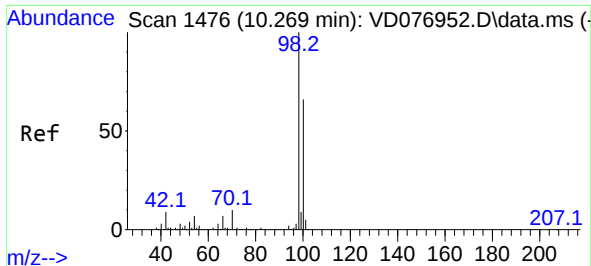
Delta R.T. -0.117 min

Lab File: VD077039.D

Acq: 28 Aug 2023 12:57

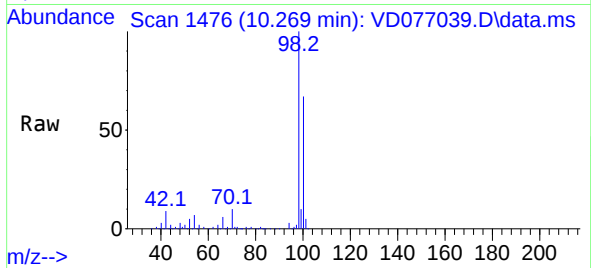
Tgt Ion: 117	Resp: 18148
Ion Ratio	Lower Upper
117	100
119	4.1 78.0 117.0#
121	0.0 24.2 36.2#



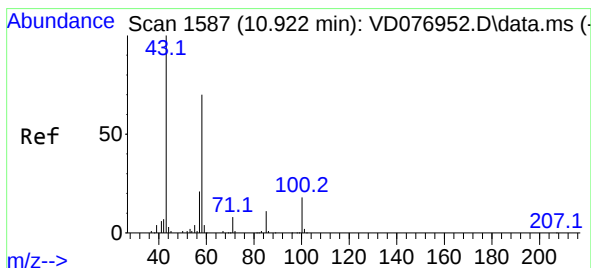
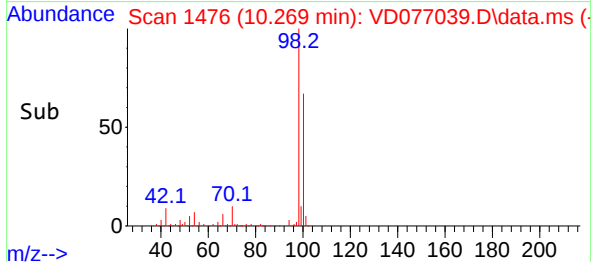
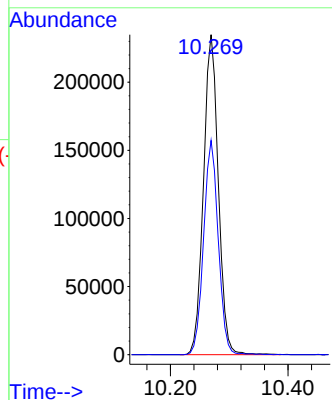


#50
Toluene-d8
Concen: 48.040 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD077039.D
Acq: 28 Aug 2023 12:57

Instrument :
MSVOA_D
ClientSampleId :

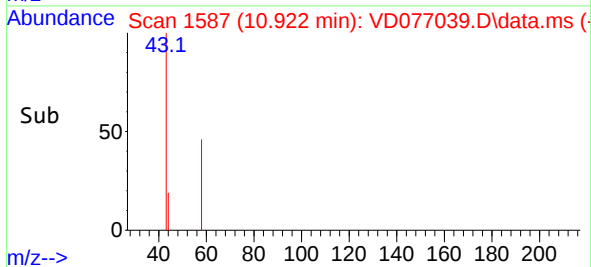
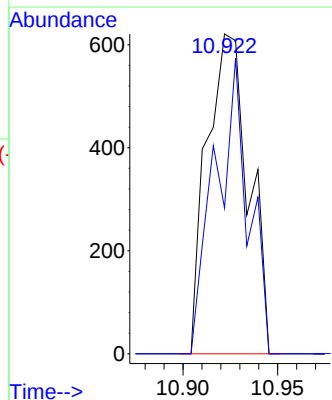
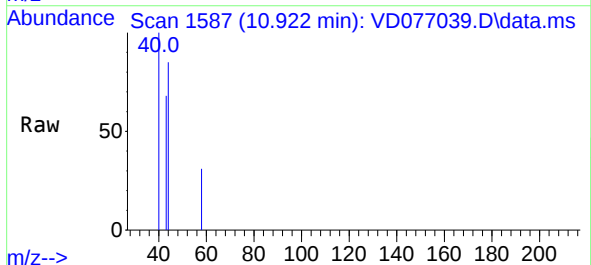


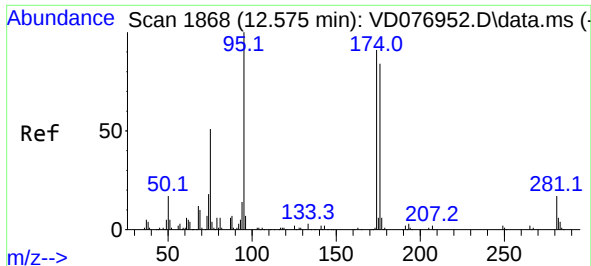
Tgt Ion: 98 Resp: 410830
Ion Ratio Lower Upper
98 100
100 66.0 50.3 75.5



#59
2-Hexanone
Concen: 1.116 ug/l
RT: 10.922 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VD077039.D
Acq: 28 Aug 2023 12:57

Tgt Ion: 43 Resp: 951
Ion Ratio Lower Upper
43 100
58 73.6 34.1 102.2

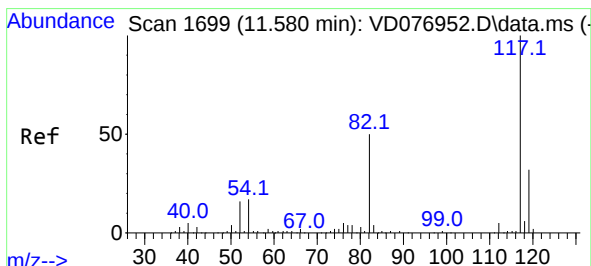
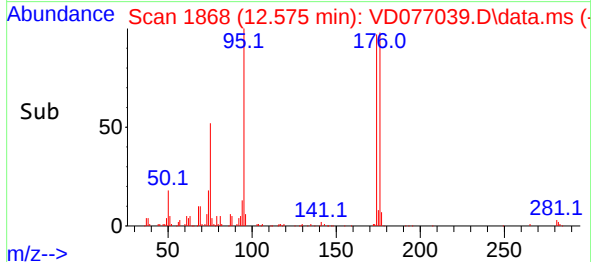
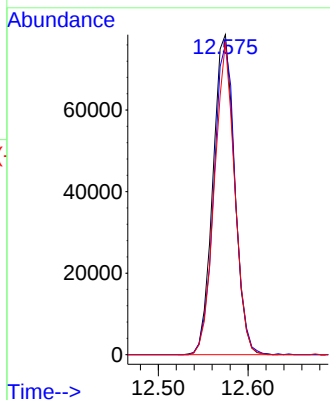
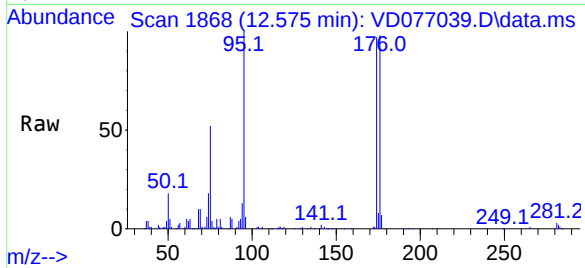




#62
4-Bromofluorobenzene
Concen: 51.917 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077039.D
Acq: 28 Aug 2023 12:57

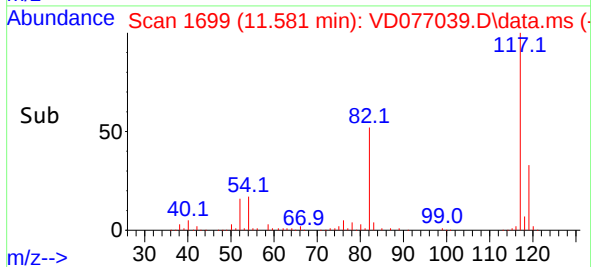
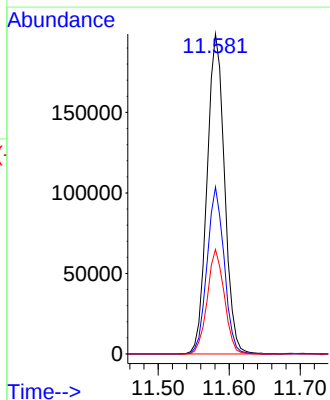
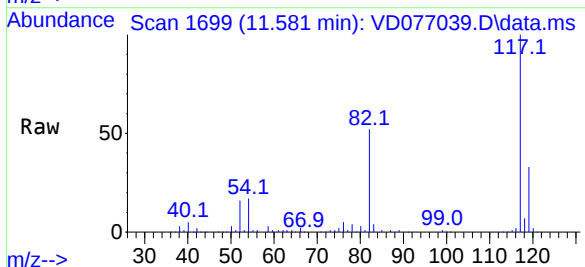
Instrument :
MSVOA_D
ClientSampleId :

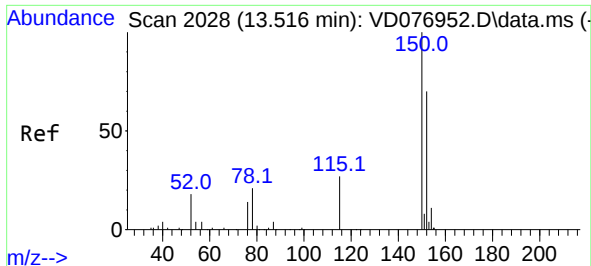
Tgt Ion: 95 Resp: 130901
Ion Ratio Lower Upper
95 100
174 96.0 0.0 201.8
176 91.2 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.001 min
Lab File: VD077039.D
Acq: 28 Aug 2023 12:57

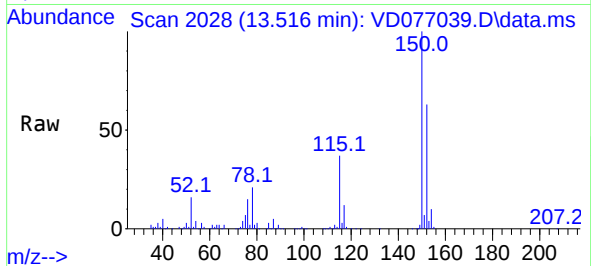
Tgt Ion: 117 Resp: 339981
Ion Ratio Lower Upper
117 100
82 52.1 38.3 57.5
119 32.7 25.0 37.4



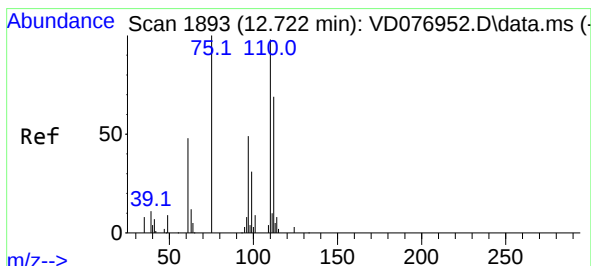
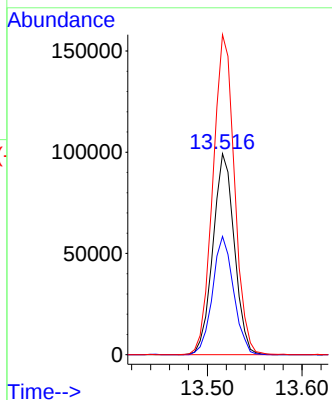
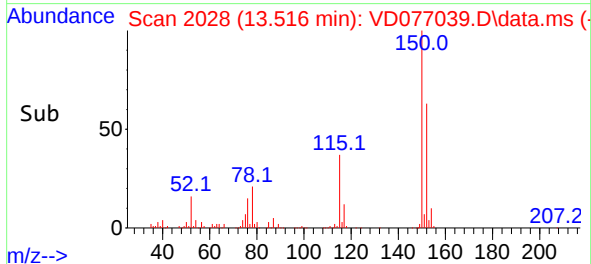


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 20
Delta R.T. -0.000 min
Lab File: VD077039.D
Acq: 28 Aug 2023 12:57

Instrument :
MSVOA_D
ClientSampleId :

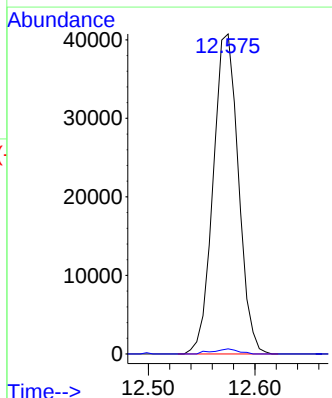
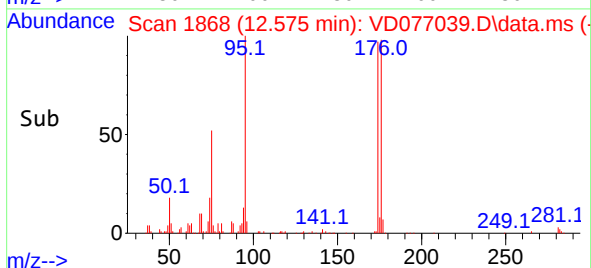
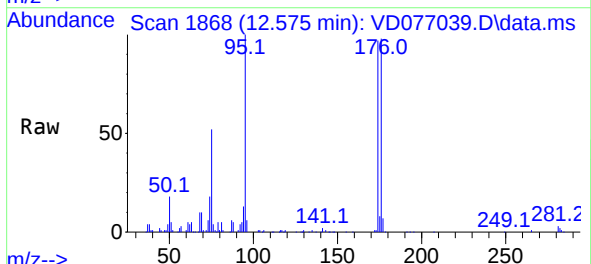


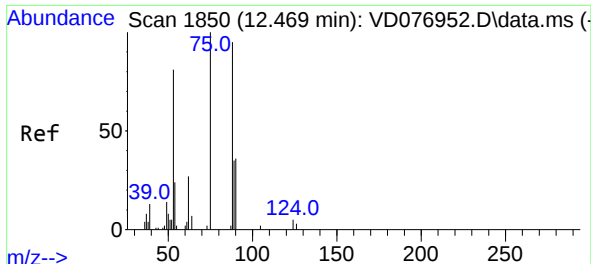
Tgt Ion:152 Resp: 156002
Ion Ratio Lower Upper
152 100
115 58.1 27.1 81.3
150 160.8 0.0 353.6



#76
1,2,3-Trichloropropane
Concen: 44.513 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077039.D
Acq: 28 Aug 2023 12:57

Tgt Ion: 75 Resp: 66978
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#

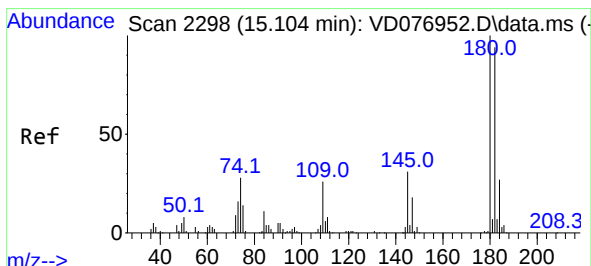
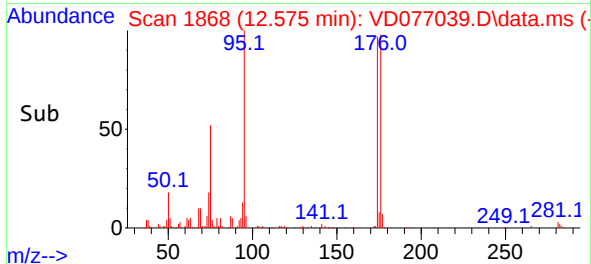
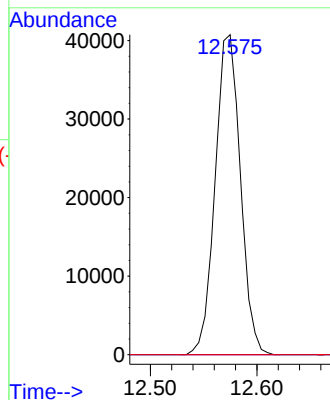
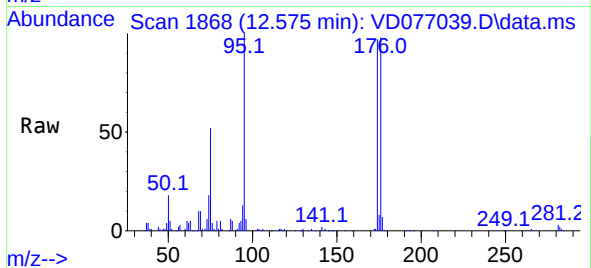




#81
trans-1,4-Dichloro-2-butene
Concen: 103.351 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077039.D
Acq: 28 Aug 2023 12:57

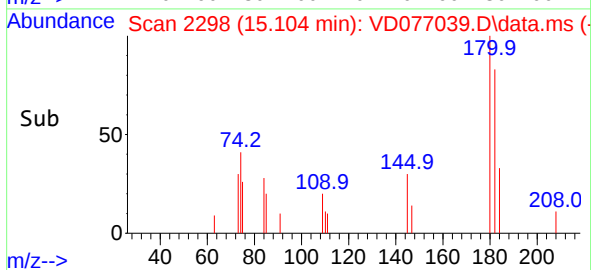
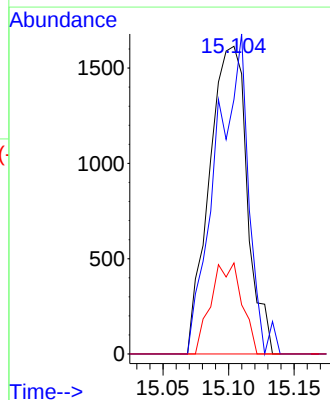
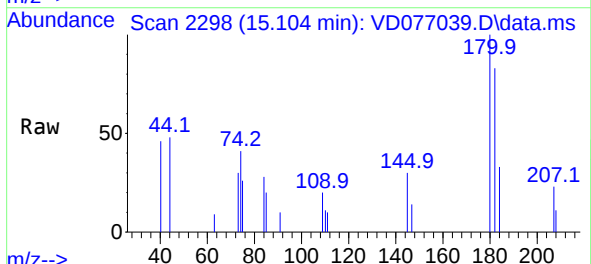
Instrument :
MSVOA_D
ClientSampleId :

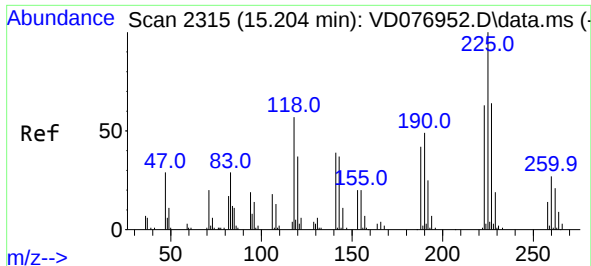
Tgt Ion: 75 Resp: 66978
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#



#93
1,2,4-Trichlorobenzene
Concen: 1.090 ug/l
RT: 15.104 min Scan# 2298
Delta R.T. 0.000 min
Lab File: VD077039.D
Acq: 28 Aug 2023 12:57

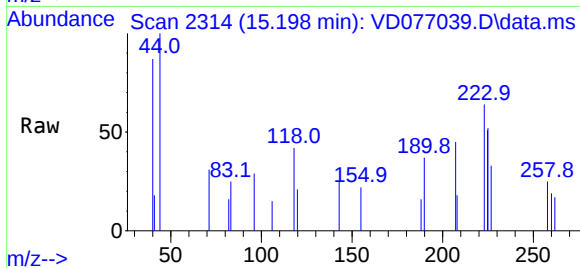
Tgt Ion:180 Resp: 3251
Ion Ratio Lower Upper
180 100
182 89.8 48.5 145.6
145 24.1 14.2 42.6



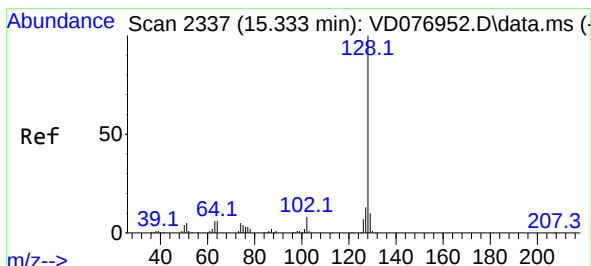
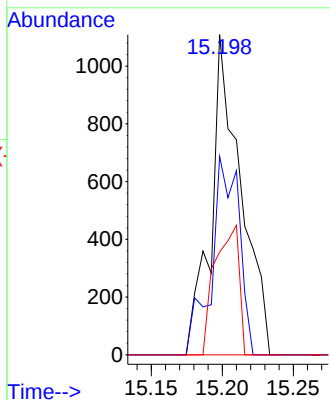
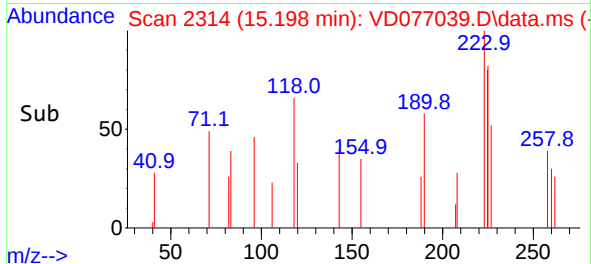


#94
Hexachlorobutadiene
Concen: 1.033 ug/l
RT: 15.198 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD077039.D
Acq: 28 Aug 2023 12:57

Instrument :
MSVOA_D
ClientSampleId :

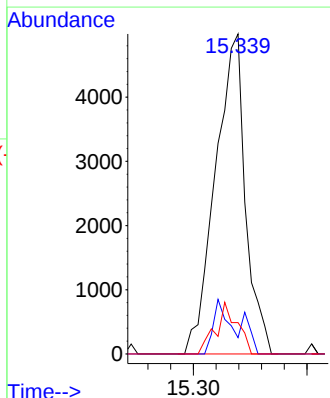
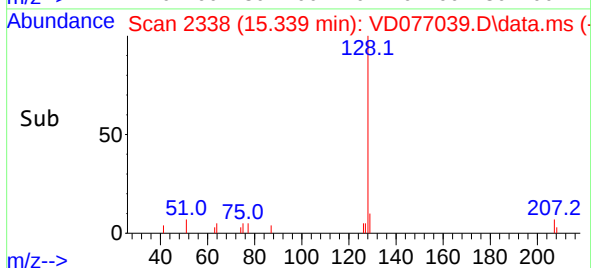
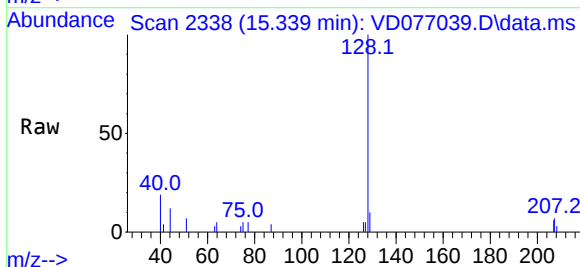


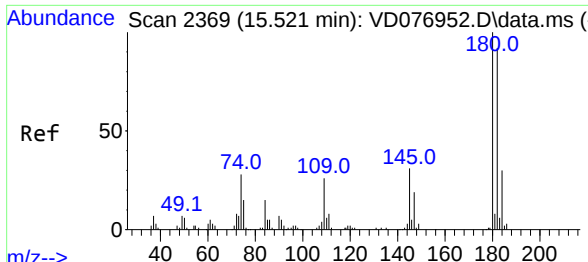
Tgt Ion:225 Resp: 1615
Ion Ratio Lower Upper
225 100
223 57.2 31.6 94.8
227 32.8 31.7 95.1



#95
Naphthalene
Concen: 1.658 ug/l
RT: 15.339 min Scan# 2338
Delta R.T. 0.006 min
Lab File: VD077039.D
Acq: 28 Aug 2023 12:57

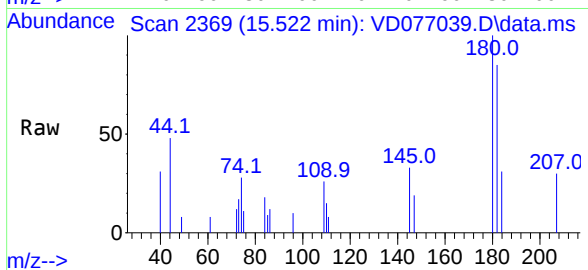
Tgt Ion:128 Resp: 9172
Ion Ratio Lower Upper
128 100
127 5.1 10.5 15.7#
129 9.8 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 1.612 ug/l
 RT: 15.522 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: VD077039.D
 Acq: 28 Aug 2023 12:57

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	180	Resp:	4305
Ion	Ratio	Lower	Upper
180	100		
182	82.5	47.3	141.9
145	26.2	15.1	45.3

