

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060523\
 Data File : VD076328.D
 Acq On : 05 Jun 2023 15:50
 Operator : KP/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Jun 06 02:56:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060523S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 06 02:52:23 2023
 Response via : Initial Calibration

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

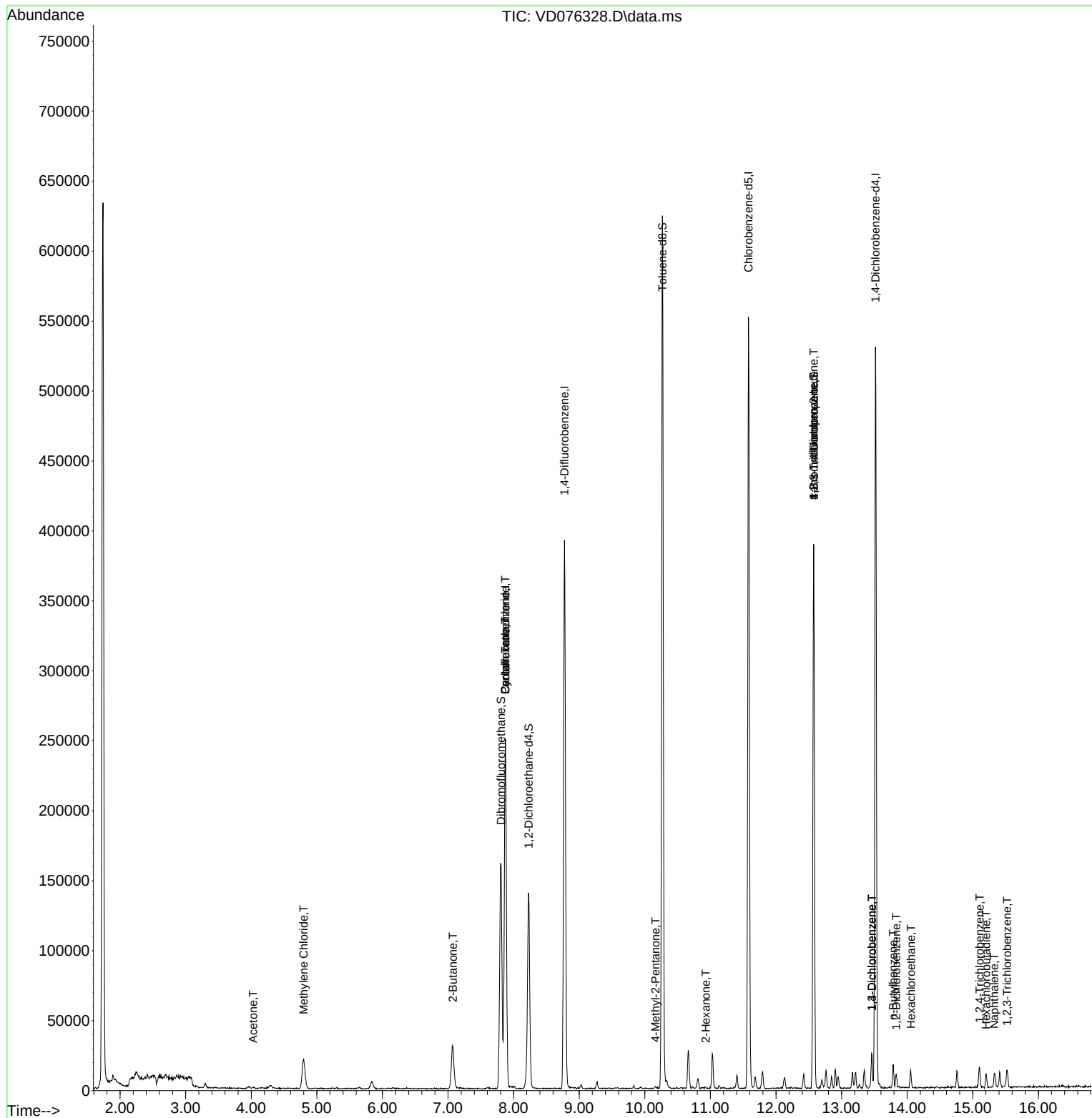
Internal Standards						
1) Pentafluorobenzene	7.875	168	210097	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	382919	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	350506	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	154018	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	103839	55.161	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.320%	
35) Dibromofluoromethane	7.811	113	122114	50.226	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.460%	
50) Toluene-d8	10.269	98	457961	47.309	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.620%	
62) 4-Bromofluorobenzene	12.575	95	115682	45.157	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.320%	
Target Compounds						
					Qvalue	
16) Acetone	4.028	43	1605	4.655	ug/l #	81
20) Methylene Chloride	4.799	84	18985	2.528	ug/l	98
25) 2-Butanone	7.075	43	1973	4.132	ug/l #	37
31) Cyclohexane	7.875	56	4677	1.480	ug/l #	17
38) Carbon Tetrachloride	7.875	117	18860	6.159	ug/l #	16
51) 4-Methyl-2-Pentanone	10.163	43	1182	1.086	ug/l #	84
59) 2-Hexanone	10.928	43	1227	1.643	ug/l	67
76) 1,2,3-Trichloropropane	12.575	75	58406	40.625	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	58406	97.298	ug/l #	17
87) 1,3-Dichlorobenzene	13.463	146	6060	1.160	ug/l	90
88) 1,4-Dichlorobenzene	13.463	146	6060	1.145	ug/l	92
89) n-Butylbenzene	13.787	91	9193	1.138	ug/l	97
90) Hexachloroethane	14.057	117	1797	1.030	ug/l	96
91) 1,2-Dichlorobenzene	13.834	146	4736	1.044	ug/l	96
93) 1,2,4-Trichlorobenzene	15.104	180	6203	2.352	ug/l	91
94) Hexachlorobutadiene	15.204	225	1877	1.456	ug/l	99
95) Naphthalene	15.328	128	11202	5.194	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	5626	2.412	ug/l	95

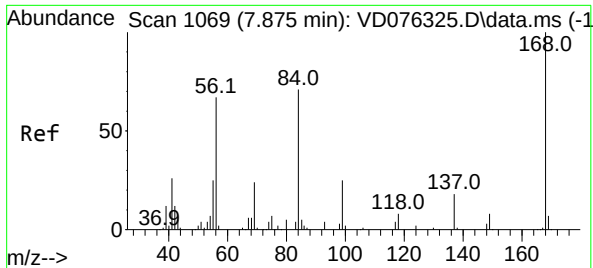
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060523\
Data File : VD076328.D
Acq On : 05 Jun 2023 15:50
Operator : KP/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Quant Time: Jun 06 02:56:02 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060523S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 06 02:52:23 2023
Response via : Initial Calibration

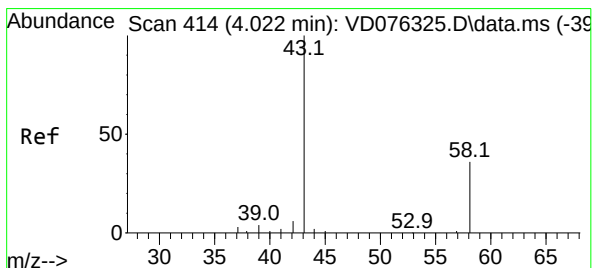
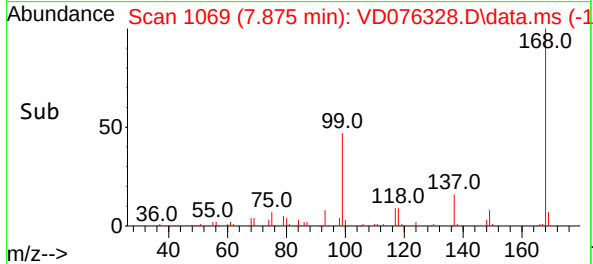
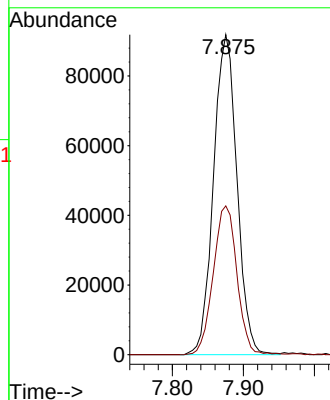
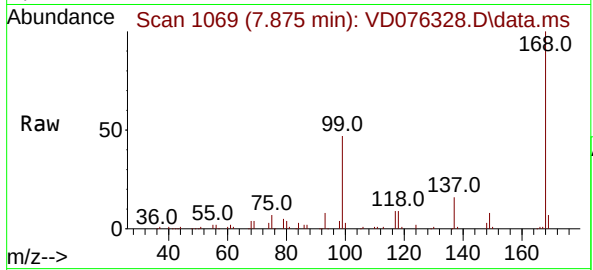




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076328.D
Acq: 05 Jun 2023 15:50

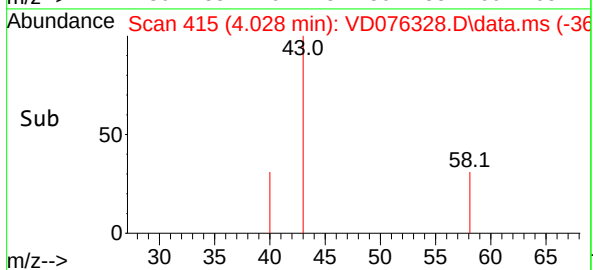
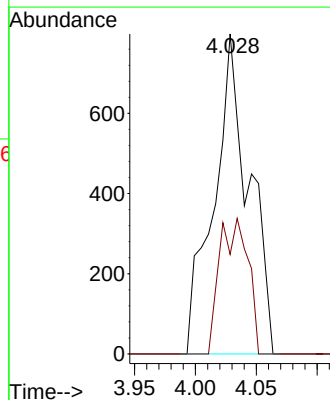
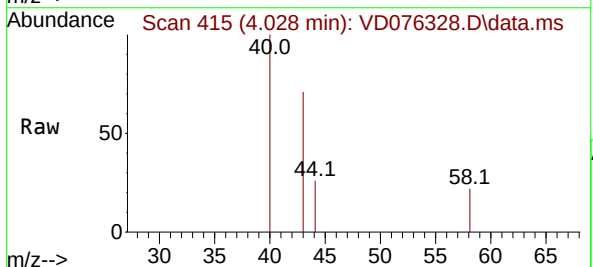
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

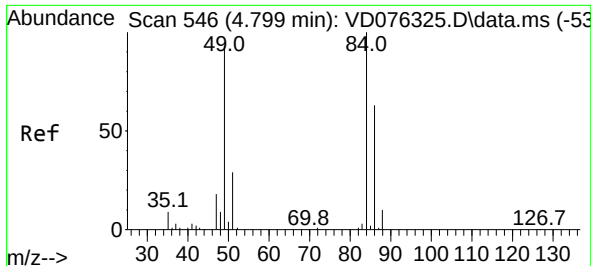
Tgt Ion:168 Resp: 210097
Ion Ratio Lower Upper
168 100
99 46.5 36.7 55.1



#16
Acetone
Concen: 4.655 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD076328.D
Acq: 05 Jun 2023 15:50

Tgt Ion: 43 Resp: 1605
Ion Ratio Lower Upper
43 100
58 31.1 34.7 52.1#

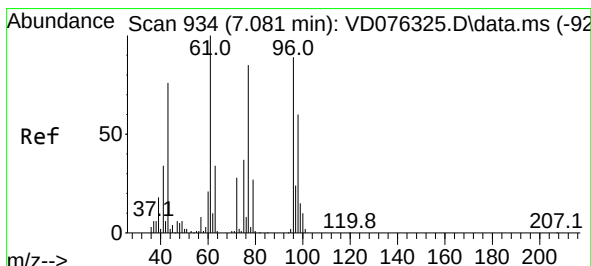
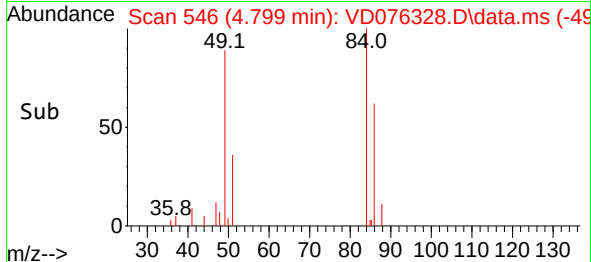
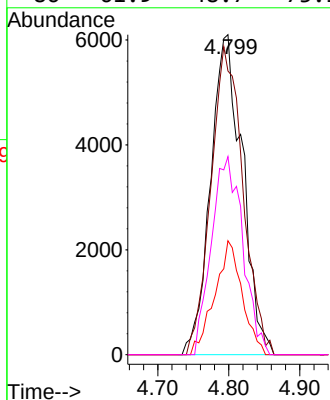
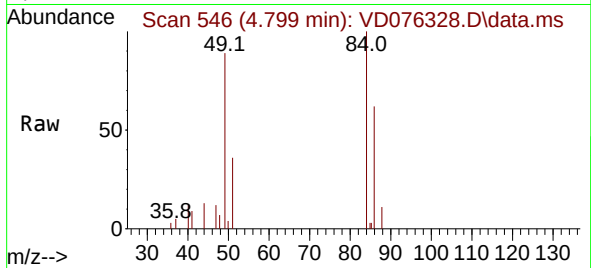




#20
Methylene Chloride
Concen: 2.528 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD076328.D
Acq: 05 Jun 2023 15:50

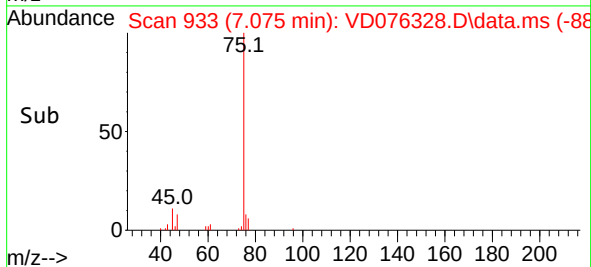
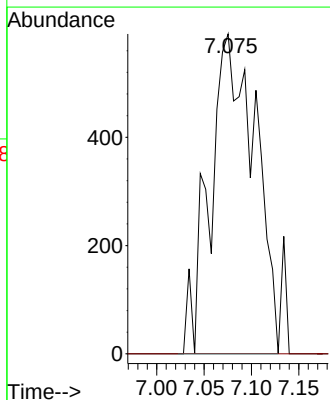
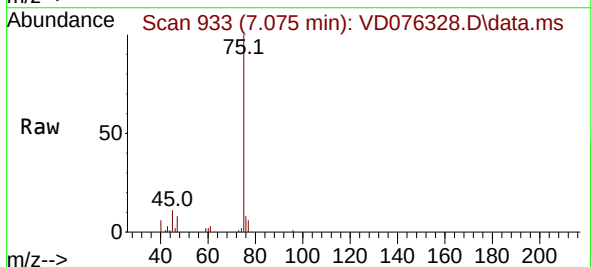
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

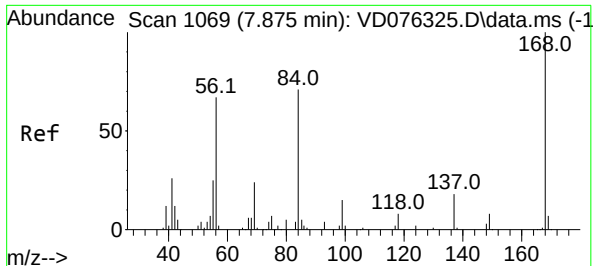
Tgt Ion:	84	Resp:	18985
Ion	Ratio	Lower	Upper
84	100		
49	88.7	71.4	107.2
51	35.6	24.5	36.7
86	61.9	48.7	73.1



#25
2-Butanone
Concen: 4.132 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD076328.D
Acq: 05 Jun 2023 15:50

Tgt Ion:	43	Resp:	1973
Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.7	46.1#

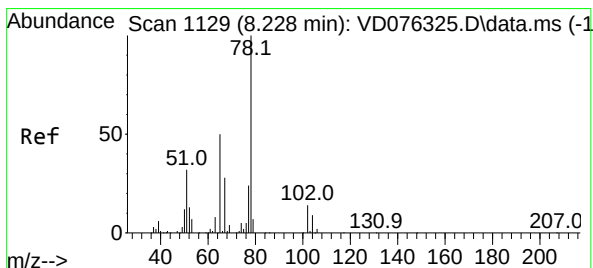
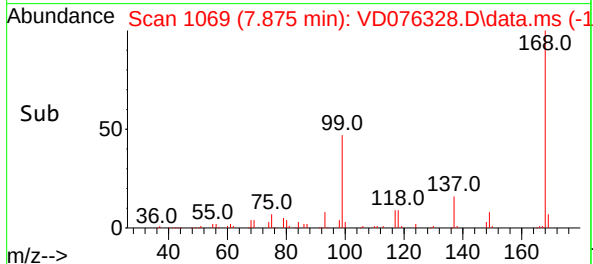
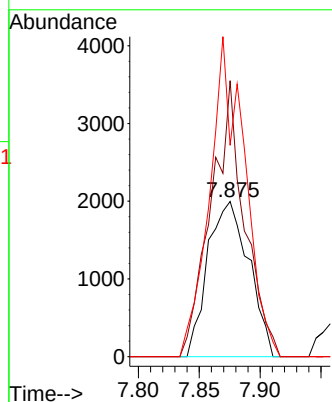
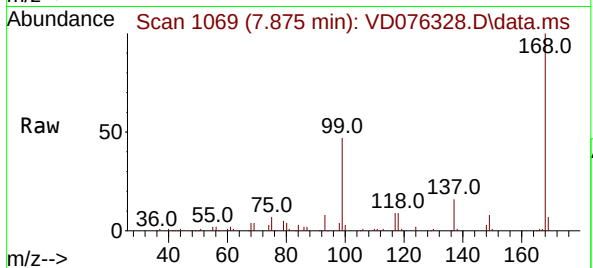




#31
Cyclohexane
Concen: 1.480 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076328.D
Acq: 05 Jun 2023 15:50

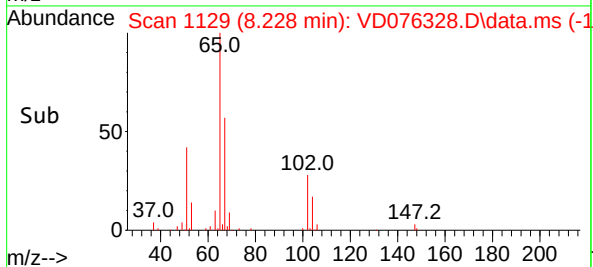
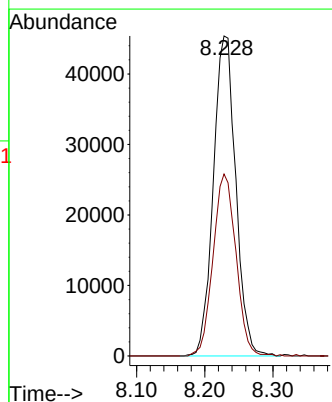
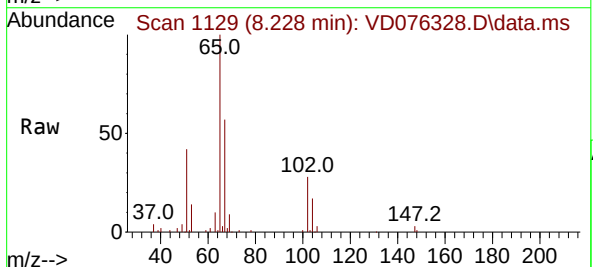
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

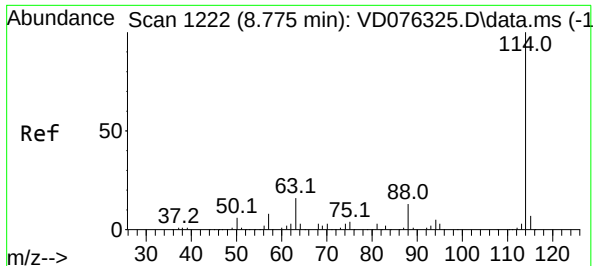
Tgt Ion: 56 Resp: 4677
Ion Ratio Lower Upper
56 100
69 177.9 28.6 43.0#
84 136.3 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 55.161 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD076328.D
Acq: 05 Jun 2023 15:50

Tgt Ion: 65 Resp: 103839
Ion Ratio Lower Upper
65 100
67 58.1 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD076328.D

Acq: 05 Jun 2023 15:50

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

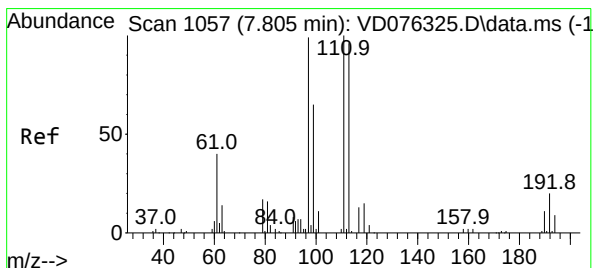
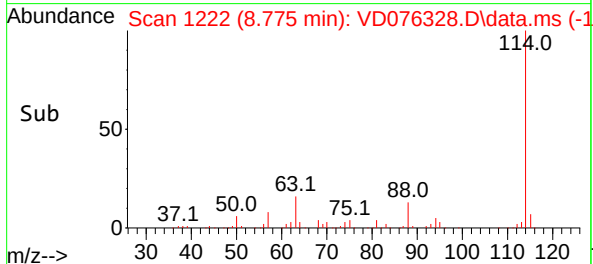
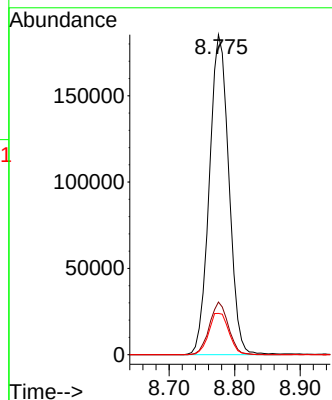
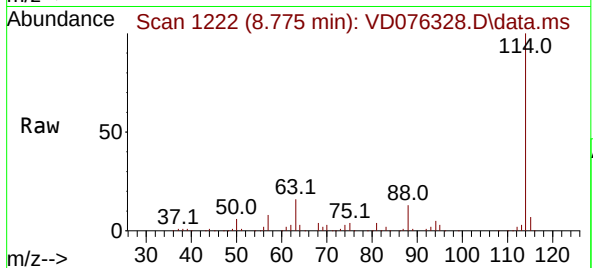
Tgt Ion:114 Resp: 382919

Ion Ratio Lower Upper

114 100

63 16.5 0.0 33.4

88 12.9 0.0 26.2



#35

Dibromofluoromethane

Concen: 50.226 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD076328.D

Acq: 05 Jun 2023 15:50

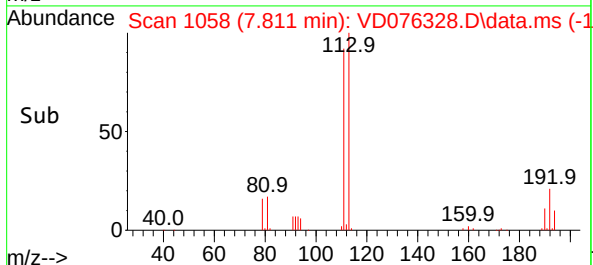
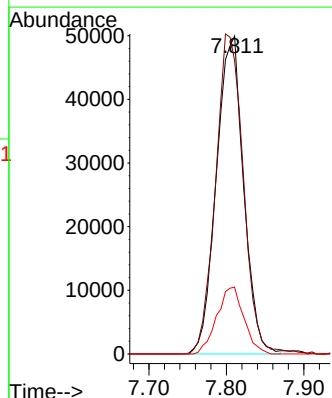
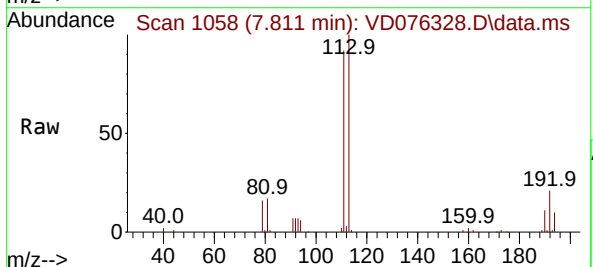
Tgt Ion:113 Resp: 122114

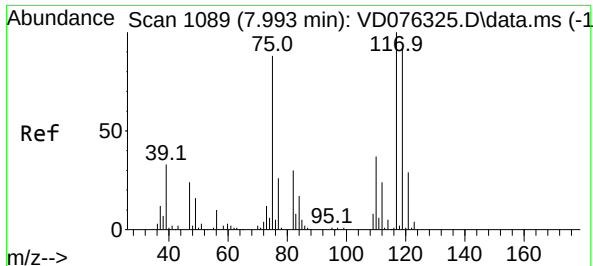
Ion Ratio Lower Upper

113 100

111 102.6 84.7 127.1

192 20.9 16.8 25.2

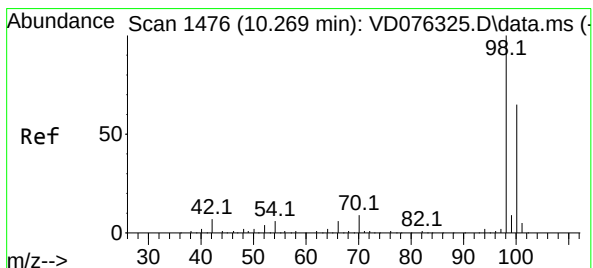
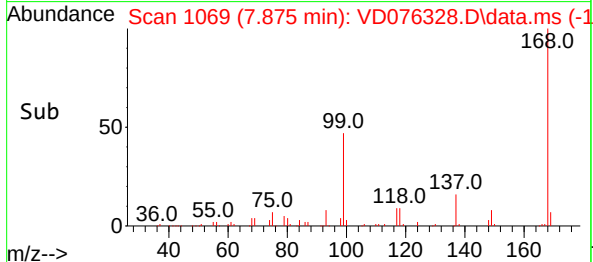
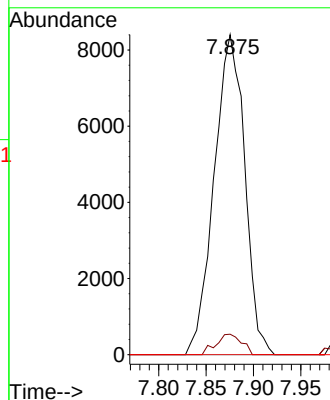
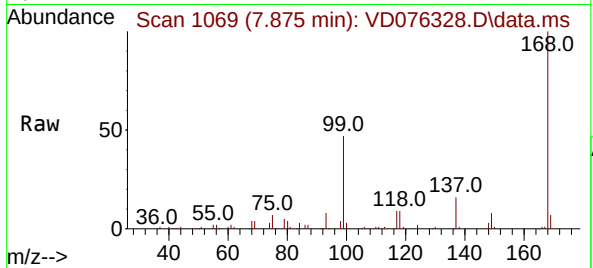




#38
Carbon Tetrachloride
Concen: 6.159 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD076328.D
Acq: 05 Jun 2023 15:50

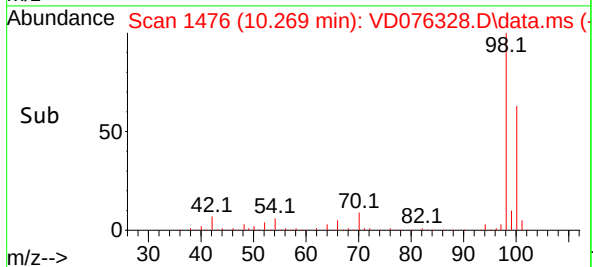
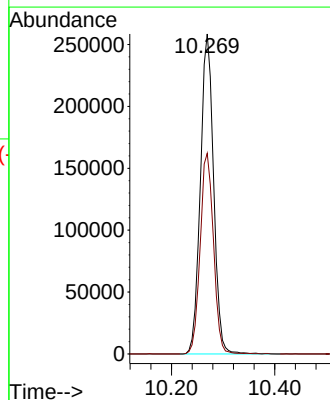
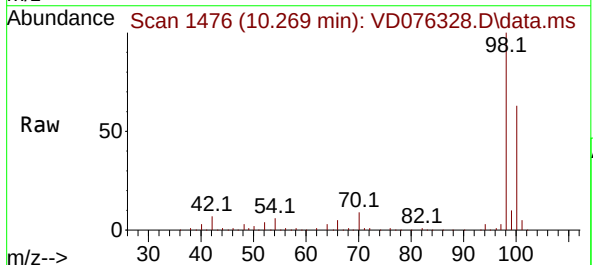
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

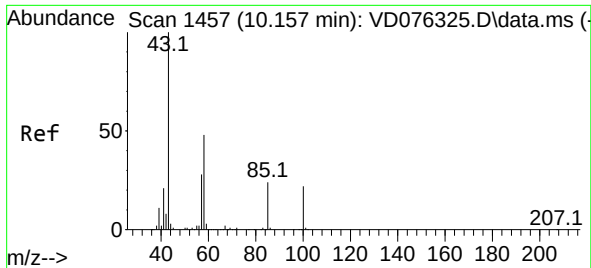
Tgt Ion:117 Resp: 18860
Ion Ratio Lower Upper
117 100
119 6.4 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 47.309 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076328.D
Acq: 05 Jun 2023 15:50

Tgt Ion: 98 Resp: 457961
Ion Ratio Lower Upper
98 100
100 63.3 50.3 75.5

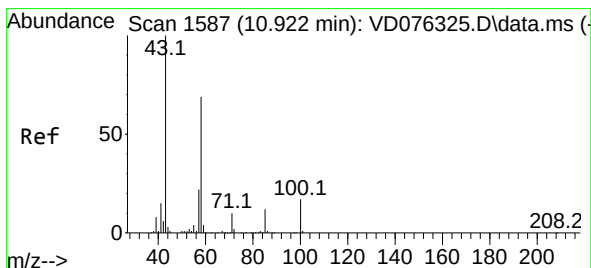
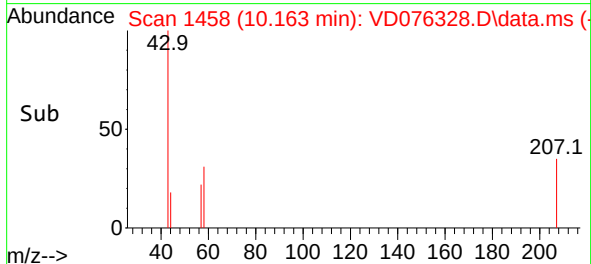
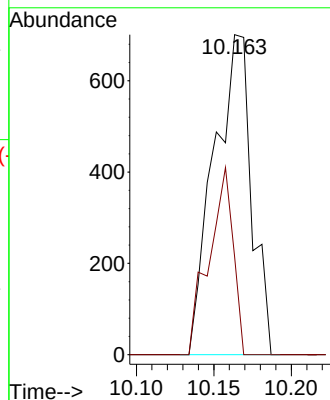
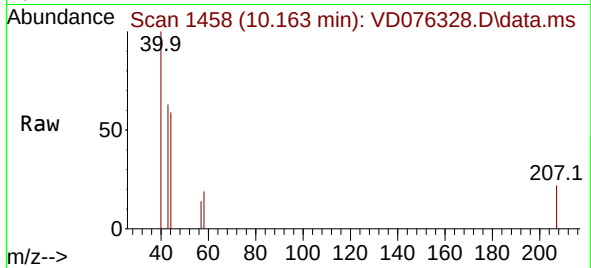




#51
4-Methyl-2-Pentanone
Concen: 1.086 ug/l
RT: 10.163 min Scan# 1457
Delta R.T. 0.006 min
Lab File: VD076328.D
Acq: 05 Jun 2023 15:50

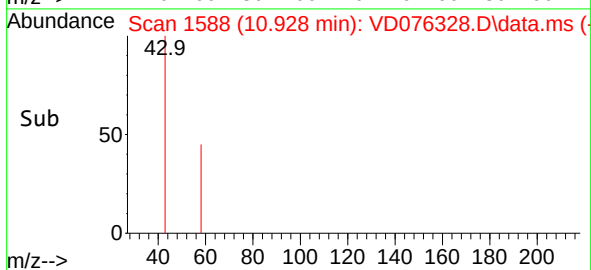
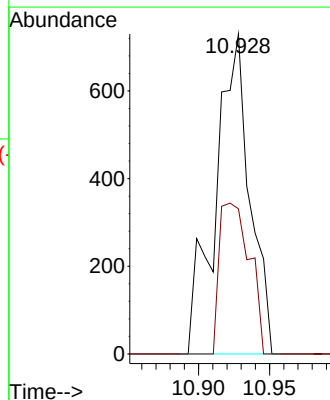
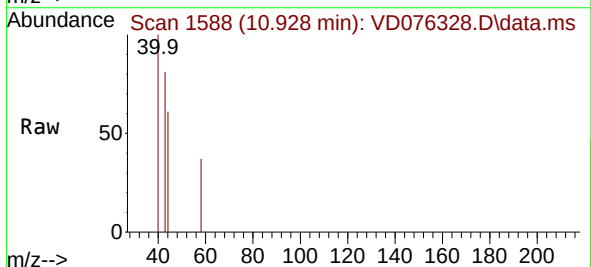
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

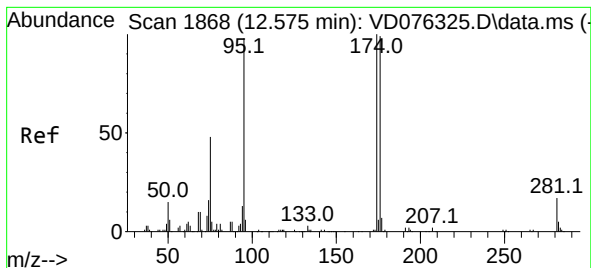
Tgt Ion: 43 Resp: 1182
Ion Ratio Lower Upper
43 100
58 37.8 38.9 58.3#



#59
2-Hexanone
Concen: 1.643 ug/l
RT: 10.928 min Scan# 1588
Delta R.T. 0.006 min
Lab File: VD076328.D
Acq: 05 Jun 2023 15:50

Tgt Ion: 43 Resp: 1227
Ion Ratio Lower Upper
43 100
58 41.6 34.1 102.2

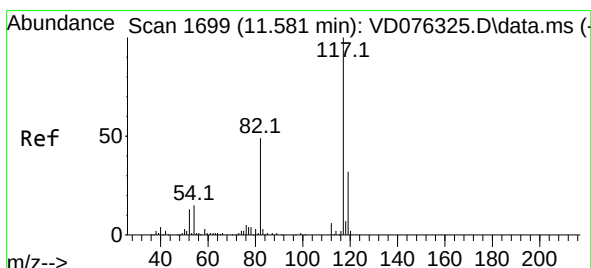
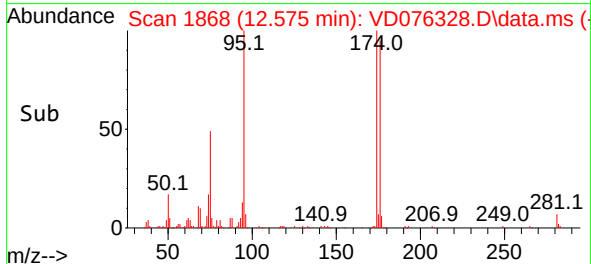
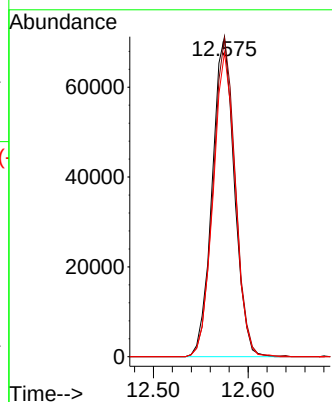
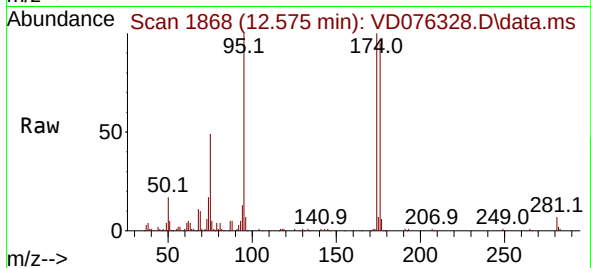




#62
4-Bromofluorobenzene
Concen: 45.157 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD076328.D
Acq: 05 Jun 2023 15:50

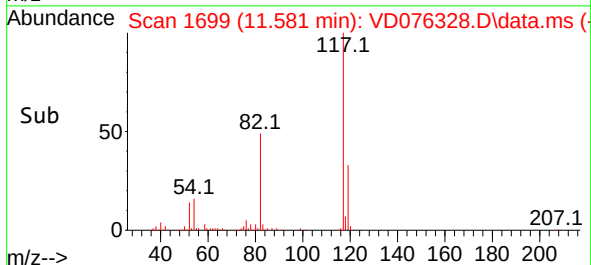
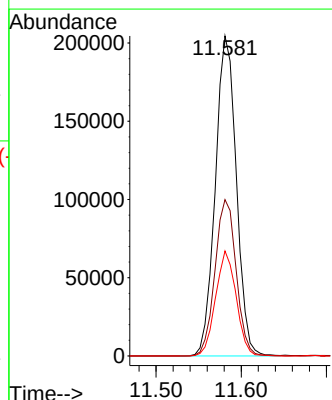
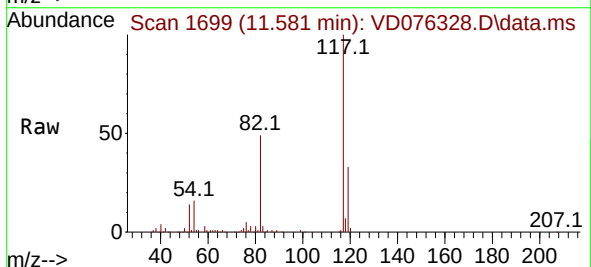
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

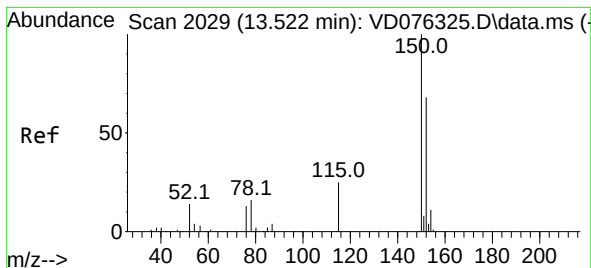
Tgt Ion: 95 Resp: 115682
Ion Ratio Lower Upper
95 100
174 99.7 0.0 201.8
176 95.1 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD076328.D
Acq: 05 Jun 2023 15:50

Tgt Ion: 117 Resp: 350506
Ion Ratio Lower Upper
117 100
82 48.9 38.3 57.5
119 32.8 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. -0.006 min

Lab File: VD076328.D

Acq: 05 Jun 2023 15:50

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

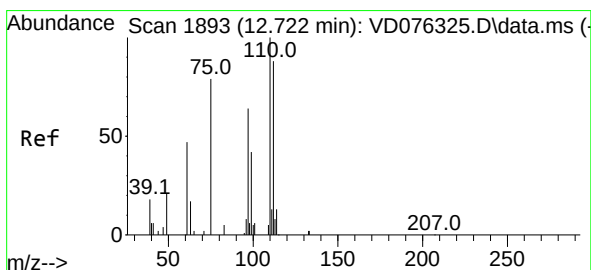
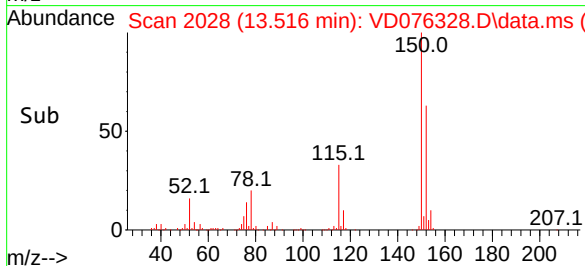
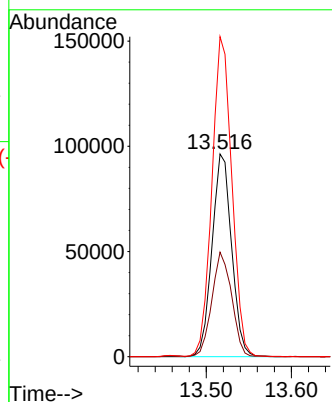
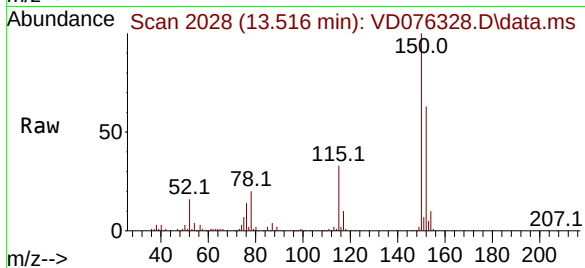
Tgt Ion:152 Resp: 154018

Ion Ratio Lower Upper

152 100

115 52.1 27.1 81.3

150 160.3 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 40.625 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD076328.D

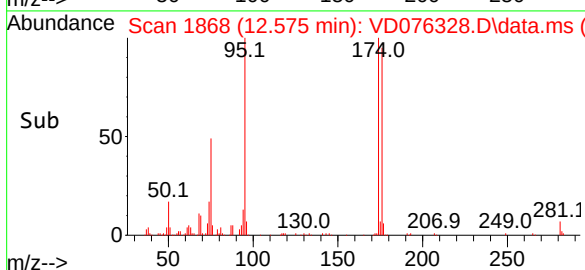
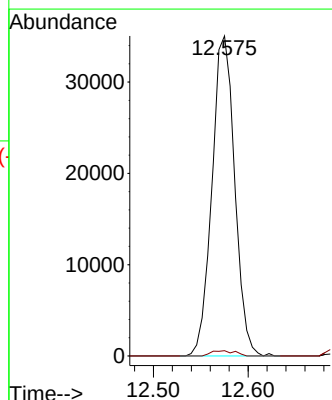
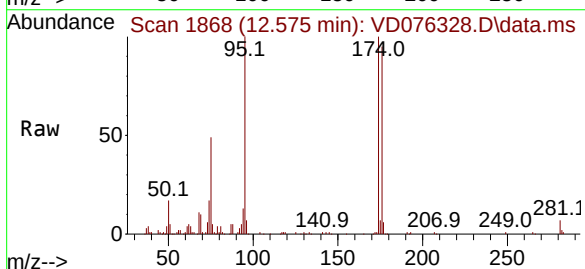
Acq: 05 Jun 2023 15:50

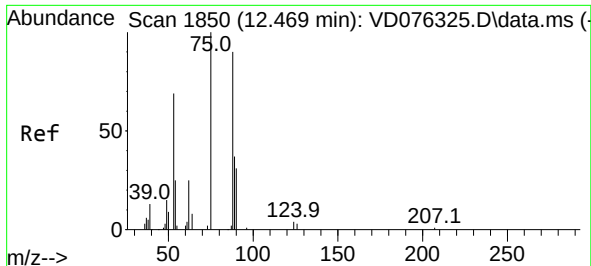
Tgt Ion: 75 Resp: 58406

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#

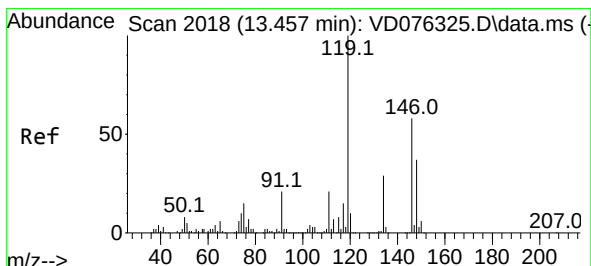
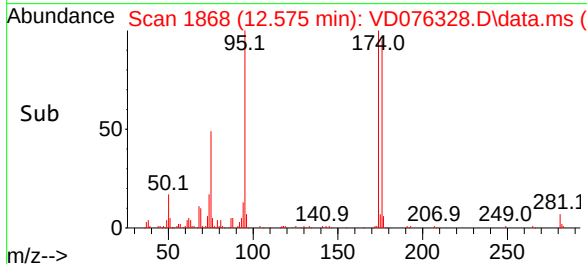
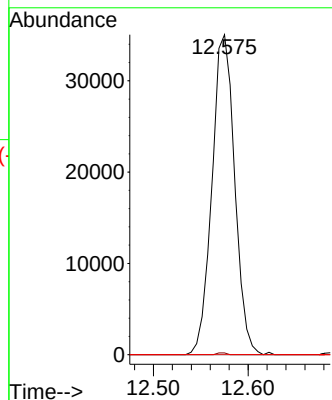
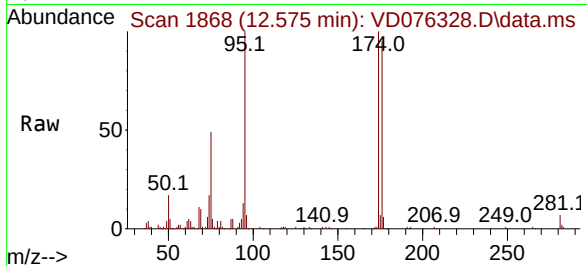




#81
trans-1,4-Dichloro-2-butene
Concen: 97.298 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076328.D
Acq: 05 Jun 2023 15:50

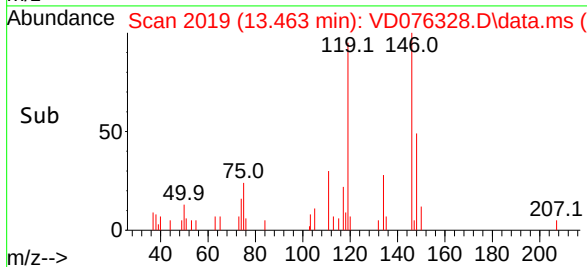
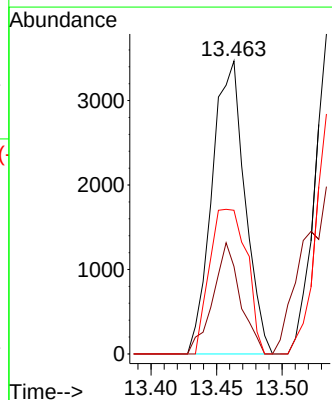
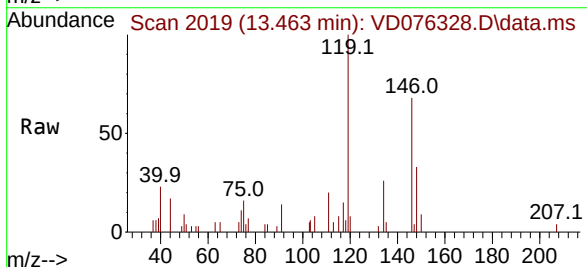
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

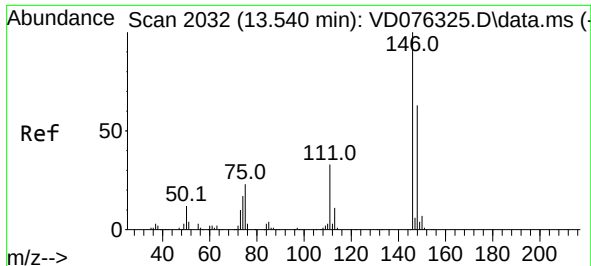
Tgt Ion: 75 Resp: 58406
Ion Ratio Lower Upper
75 100
53 0.2 63.0 94.4#
89 0.0 37.9 56.9#



#87
1,3-Dichlorobenzene
Concen: 1.160 ug/l
RT: 13.463 min Scan# 2019
Delta R.T. 0.006 min
Lab File: VD076328.D
Acq: 05 Jun 2023 15:50

Tgt Ion: 146 Resp: 6060
Ion Ratio Lower Upper
146 100
111 31.5 17.9 53.8
148 55.7 32.3 96.8





#88

1,4-Dichlorobenzene

Concen: 1.145 ug/l

RT: 13.463 min Scan# 2032

Delta R.T. -0.076 min

Lab File: VD076328.D

Acq: 05 Jun 2023 15:50

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

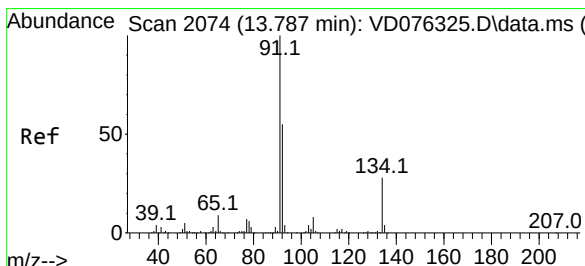
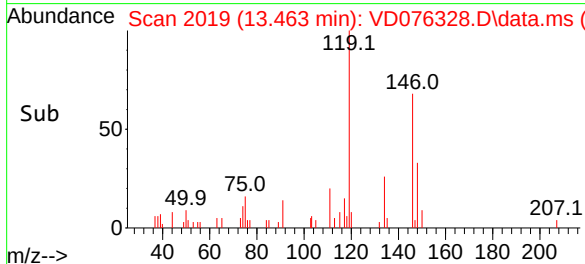
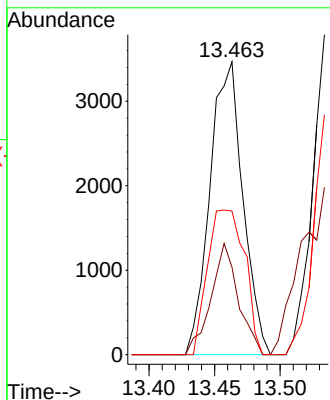
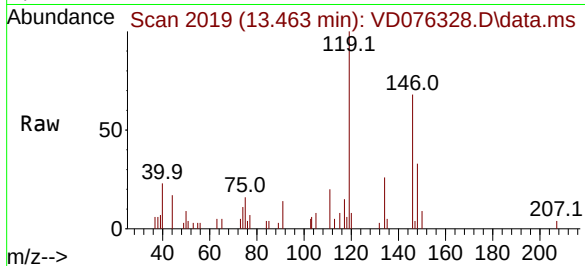
Tgt Ion:146 Resp: 6060

Ion Ratio Lower Upper

146 100

111 31.5 17.4 52.3

148 55.7 31.7 95.1



#89

n-Butylbenzene

Concen: 1.138 ug/l

RT: 13.787 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VD076328.D

Acq: 05 Jun 2023 15:50

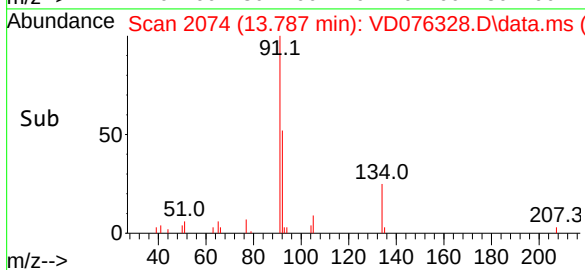
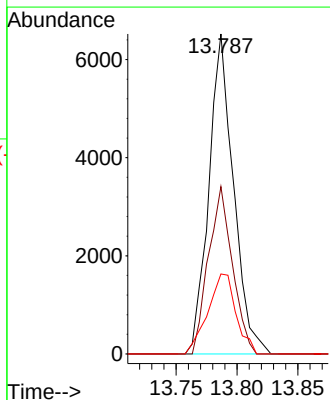
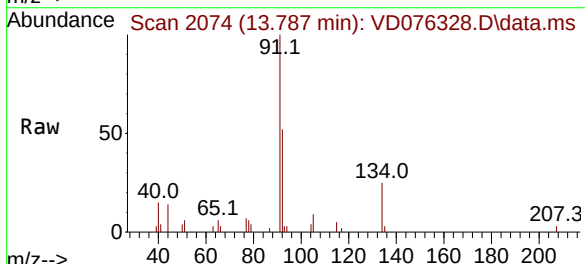
Tgt Ion: 91 Resp: 9193

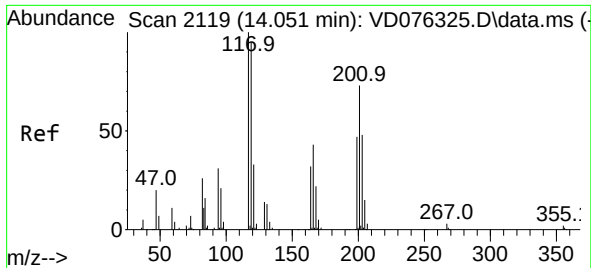
Ion Ratio Lower Upper

91 100

92 50.8 26.5 79.5

134 28.5 13.8 41.3

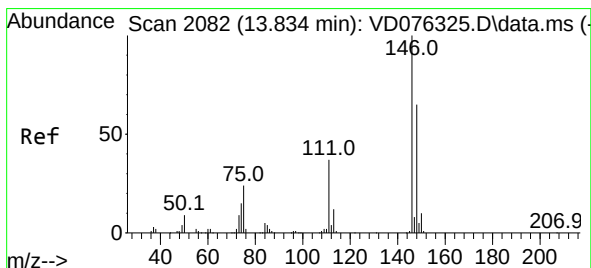
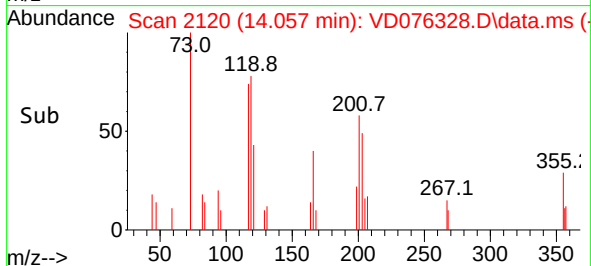
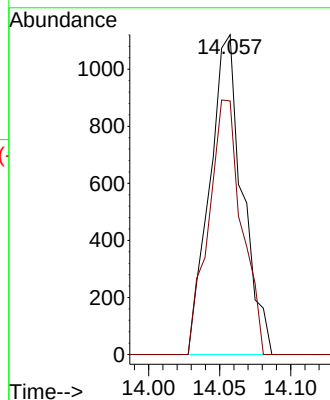
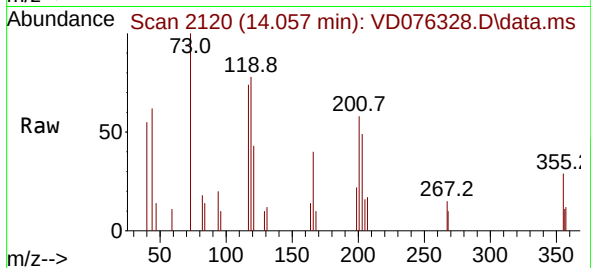




#90
Hexachloroethane
Concen: 1.030 ug/l
RT: 14.057 min Scan# 2119
Delta R.T. 0.006 min
Lab File: VD076328.D
Acq: 05 Jun 2023 15:50

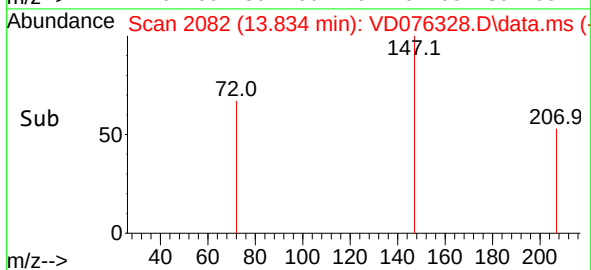
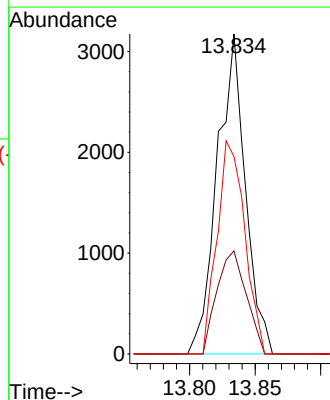
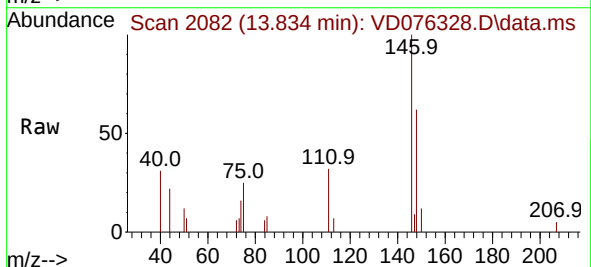
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

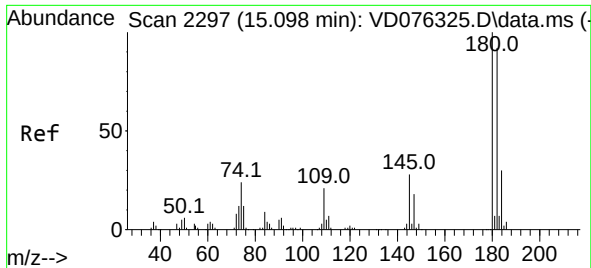
Tgt Ion:117 Resp: 1797
Ion Ratio Lower Upper
117 100
201 80.8 38.5 115.5



#91
1,2-Dichlorobenzene
Concen: 1.044 ug/l
RT: 13.834 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VD076328.D
Acq: 05 Jun 2023 15:50

Tgt Ion:146 Resp: 4736
Ion Ratio Lower Upper
146 100
111 33.6 18.3 54.8
148 65.2 31.6 94.7

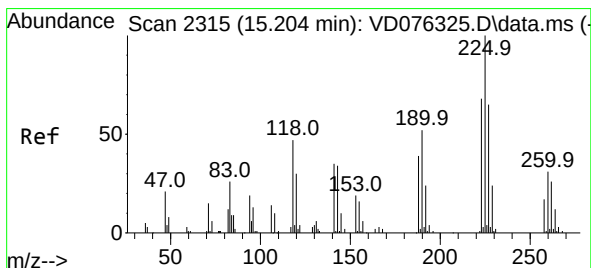
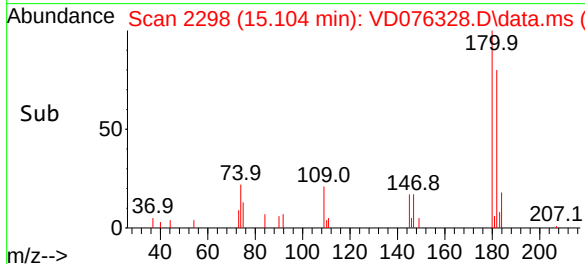
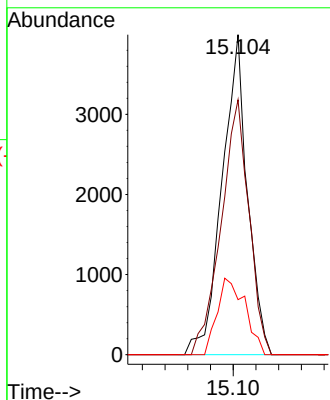
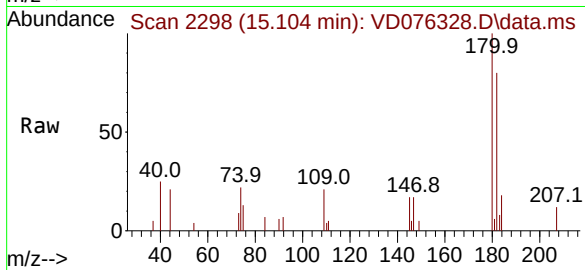




#93
1,2,4-Trichlorobenzene
Concen: 2.352 ug/l
RT: 15.104 min Scan# 2297
Delta R.T. 0.006 min
Lab File: VD076328.D
Acq: 05 Jun 2023 15:50

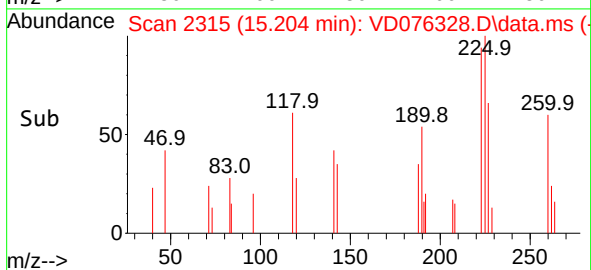
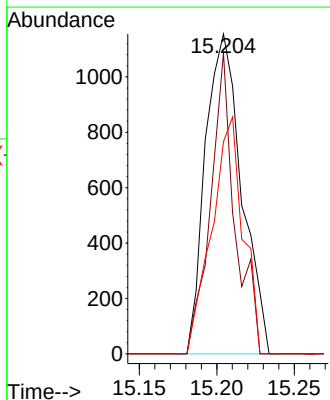
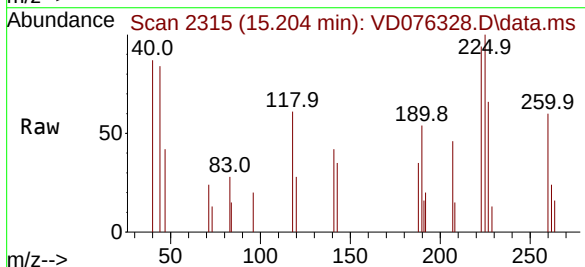
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

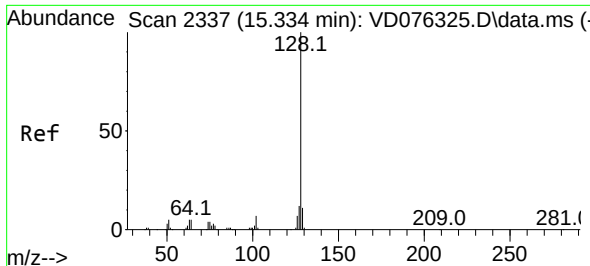
Tgt Ion:180 Resp: 6203
Ion Ratio Lower Upper
180 100
182 87.1 48.5 145.6
145 26.2 14.2 42.6



#94
Hexachlorobutadiene
Concen: 1.456 ug/l
RT: 15.204 min Scan# 2315
Delta R.T. 0.000 min
Lab File: VD076328.D
Acq: 05 Jun 2023 15:50

Tgt Ion:225 Resp: 1877
Ion Ratio Lower Upper
225 100
223 63.8 31.6 94.8
227 64.1 31.7 95.1

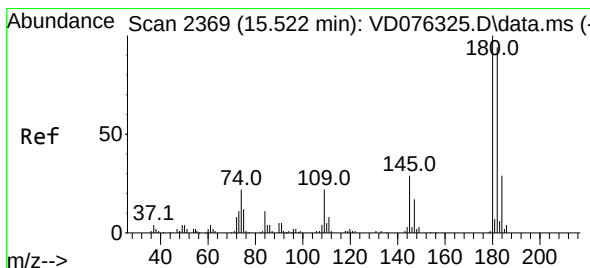
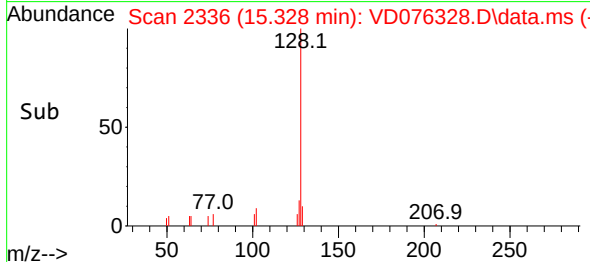
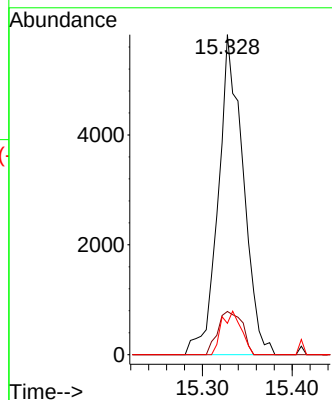
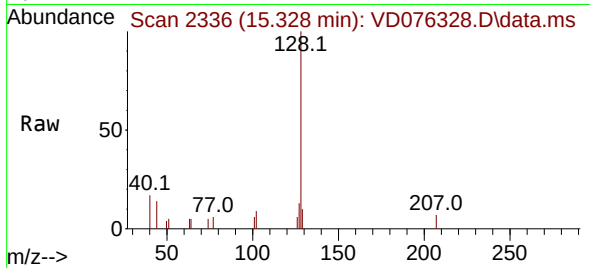




#95
Naphthalene
Concen: 5.194 ug/l
RT: 15.328 min Scan# 2336
Delta R.T. -0.006 min
Lab File: VD076328.D
Acq: 05 Jun 2023 15:50

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion:128	Resp:	11202
Ion Ratio	Lower	Upper
128	100	
127	13.5	10.5 15.7
129	9.8	8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.412 ug/l
RT: 15.522 min Scan# 2369
Delta R.T. 0.000 min
Lab File: VD076328.D
Acq: 05 Jun 2023 15:50

Tgt Ion:180	Resp:	5626
Ion Ratio	Lower	Upper
180	100	
182	99.8	47.3 141.9
145	27.3	15.1 45.3

