

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062824\
 Data File : VD079285.D
 Acq On : 28 Jun 2024 16:31
 Operator : RP/MD
 Sample : VIBLK
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Jun 29 06:10:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062824S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 29 05:53:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	136670	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	353180	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	326639	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	131100	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	86071	65.683	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 131.360%	
35) Dibromofluoromethane	7.805	113	125224	54.016	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.040%	
50) Toluene-d8	10.269	98	421676	50.561	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.120%	
62) 4-Bromofluorobenzene	12.575	95	132402	49.508	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.020%	

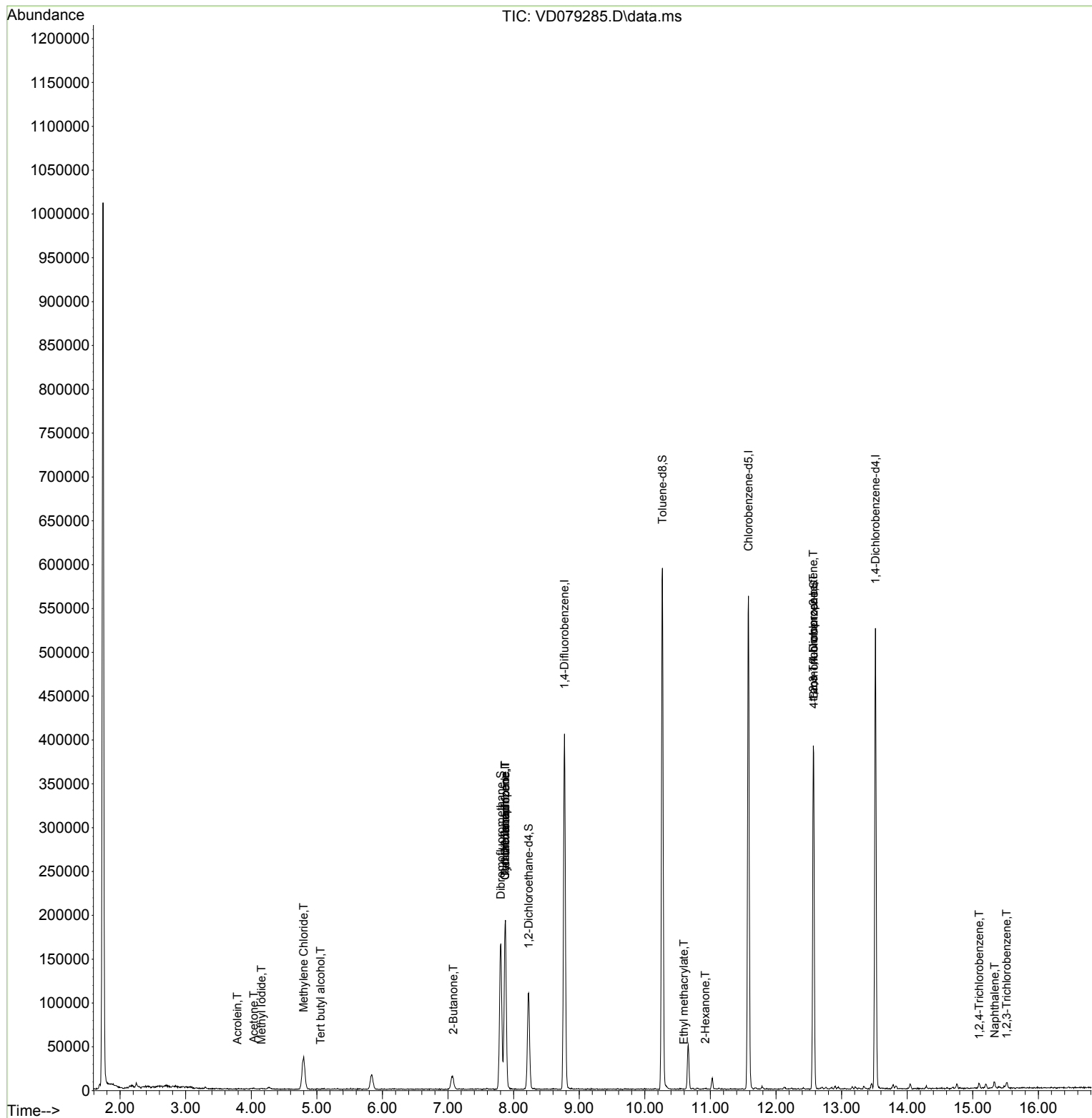
Target Compounds			Qvalue			
5) Bromomethane	2.693	94	1526	Below Cal	#	73
10) Methyl Iodide	4.158	142	744	6.502	ug/l #	49
11) Tert butyl alcohol	5.058	59	169	1.848	ug/l #	86
13) Acrolein	3.787	56	195	1.078	ug/l #	15
16) Acetone	4.040	43	1583	4.880	ug/l #	73
20) Methylene Chloride	4.799	84	29351	8.550	ug/l	91
25) 2-Butanone	7.081	43	651	1.441	ug/l #	42
31) Cyclohexane	7.869	56	3540	1.218	ug/l #	40
36) 1,1-Dichloropropene	7.875	75	12904	3.583	ug/l #	46
38) Carbon Tetrachloride	7.869	117	14824	4.053	ug/l #	19
56) Ethyl methacrylate	10.593	69	272	3.814	ug/l #	55
59) 2-Hexanone	10.922	43	998	1.021	ug/l #	46
76) 1,2,3-Trichloropropane	12.569	75	66619	51.230	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	66619	94.223	ug/l #	19
93) 1,2,4-Trichlorobenzene	15.098	180	2183	1.021	ug/l	82
95) Naphthalene	15.334	128	6419	1.537	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.516	180	2679	1.416	ug/l	88

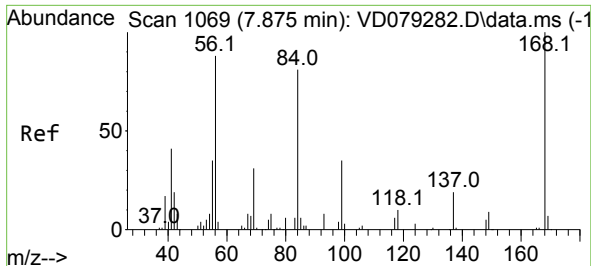
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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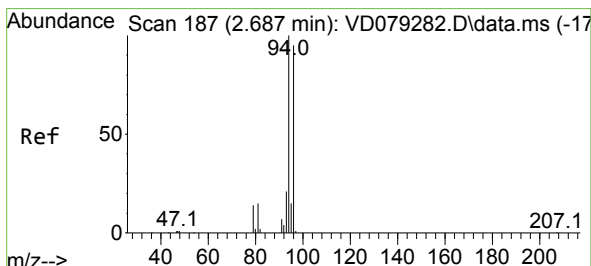
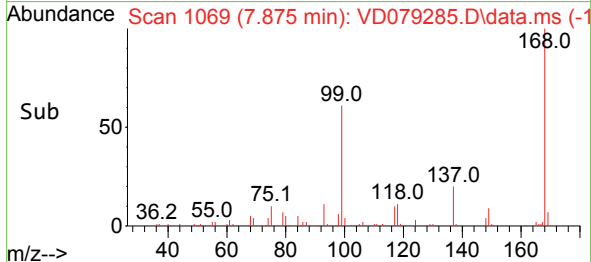
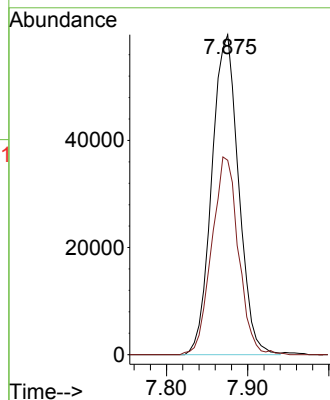
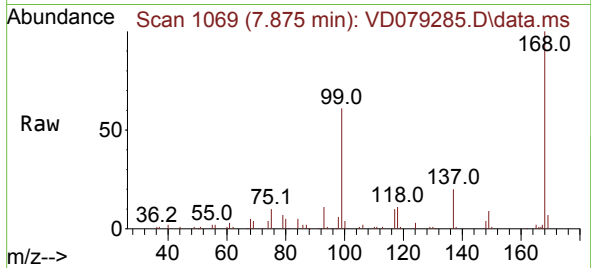




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079285.D
Acq: 28 Jun 2024 16:31

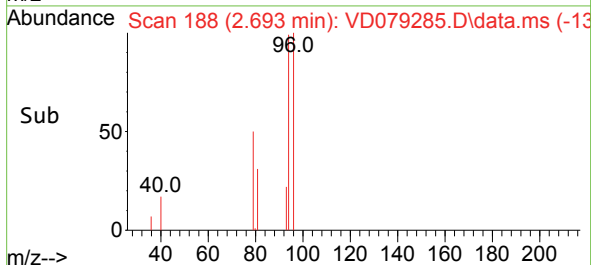
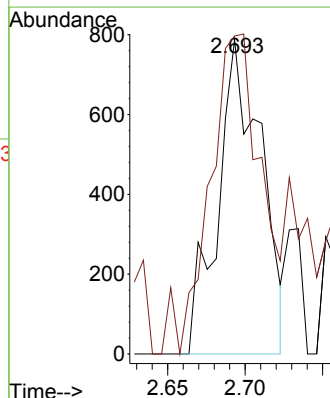
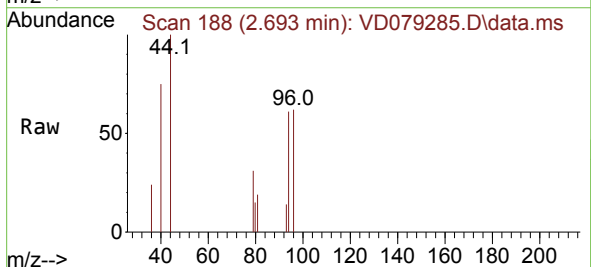
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

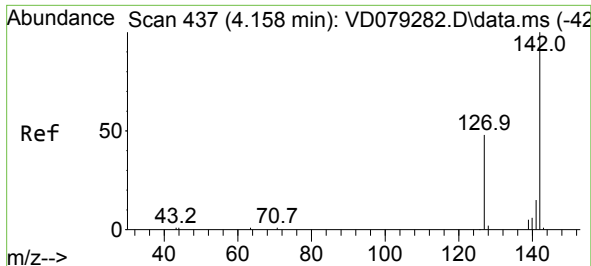
Tgt Ion:168 Resp: 136670
Ion Ratio Lower Upper
168 100
99 60.8 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.693 min Scan# 188
Delta R.T. 0.035 min
Lab File: VD079285.D
Acq: 28 Jun 2024 16:31

Tgt Ion: 94 Resp: 1526
Ion Ratio Lower Upper
94 100
96 122.3 76.9 115.3#

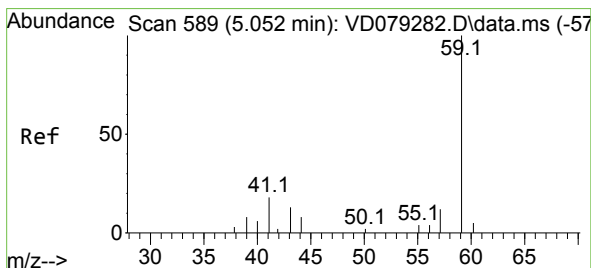
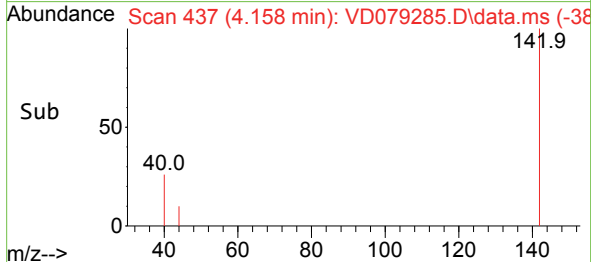
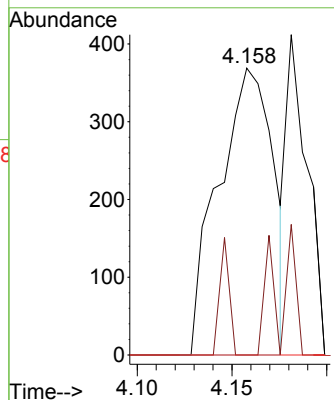
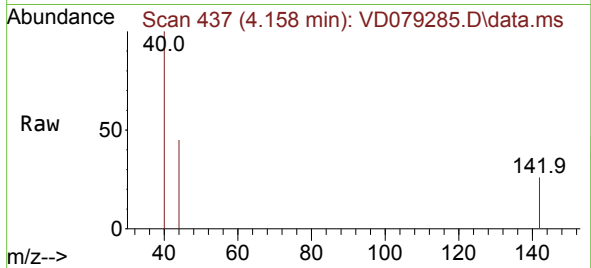




#10
Methyl Iodide
Concen: 6.502 ug/l
RT: 4.158 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD079285.D
Acq: 28 Jun 2024 16:31

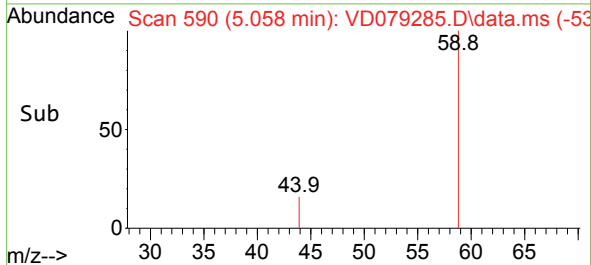
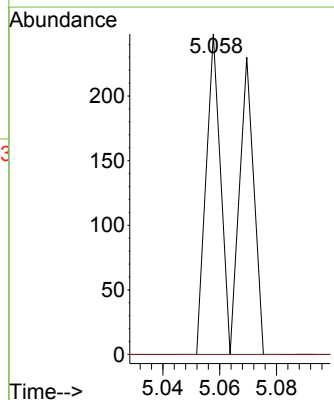
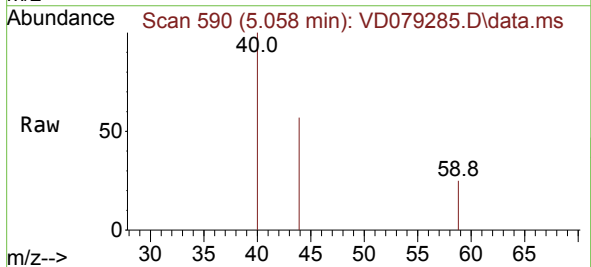
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

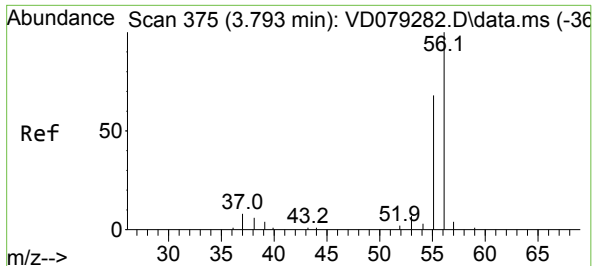
Tgt Ion:142 Resp: 744
Ion Ratio Lower Upper
142 100
127 7.1 34.2 51.4#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 1.848 ug/l
RT: 5.058 min Scan# 590
Delta R.T. 0.000 min
Lab File: VD079285.D
Acq: 28 Jun 2024 16:31

Tgt Ion: 59 Resp: 169
Ion Ratio Lower Upper
59 100
57 0.0 3.6 5.4#

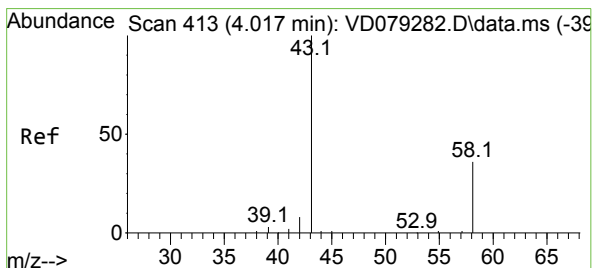
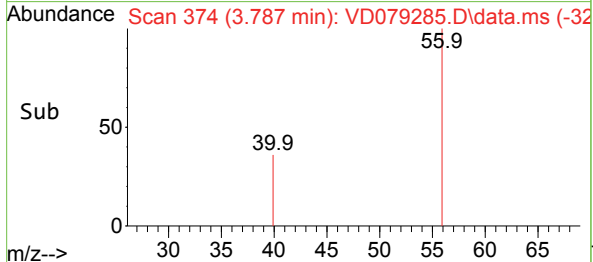
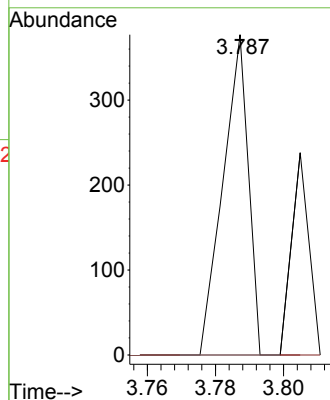
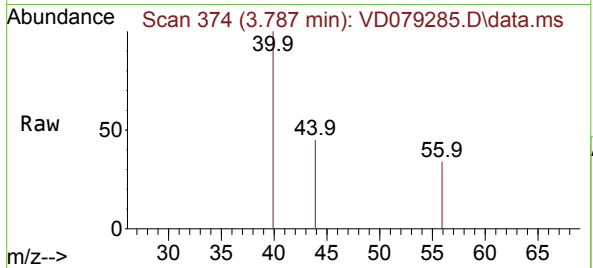




#13
Acrolein
Concen: 1.078 ug/l
RT: 3.787 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD079285.D
Acq: 28 Jun 2024 16:31

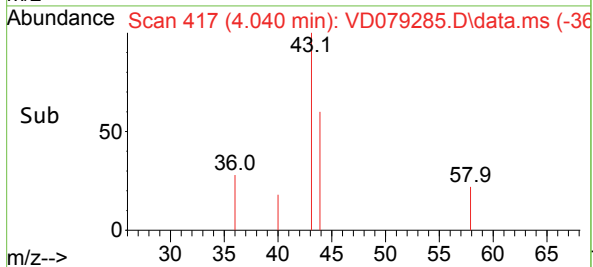
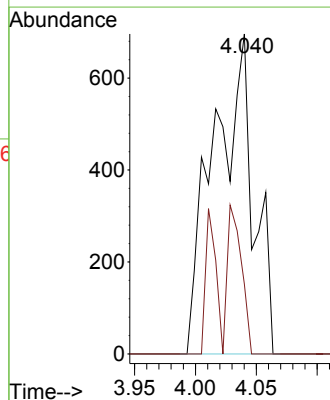
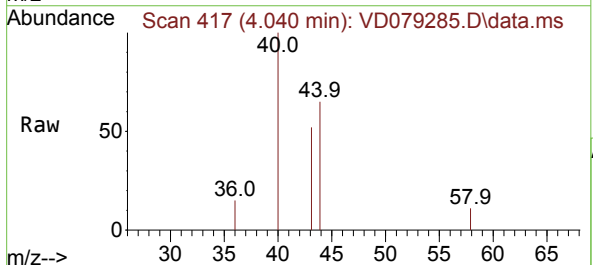
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

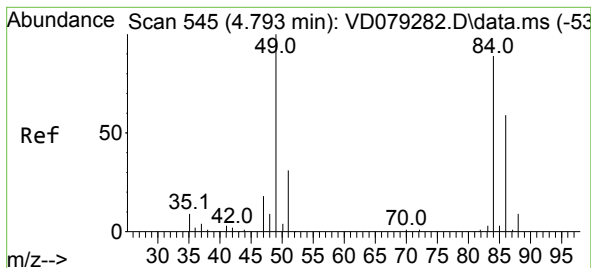
Tgt Ion: 56 Resp: 195
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#



#16
Acetone
Concen: 4.880 ug/l
RT: 4.040 min Scan# 417
Delta R.T. 0.024 min
Lab File: VD079285.D
Acq: 28 Jun 2024 16:31

Tgt Ion: 43 Resp: 1583
Ion Ratio Lower Upper
43 100
58 21.8 30.4 45.6#





#20

Methylene Chloride

Concen: 8.550 ug/l

RT: 4.799 min Scan# 54

Delta R.T. 0.006 min

Lab File: VD079285.D

Acq: 28 Jun 2024 16:31

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

Tgt Ion: 84 Resp: 29351

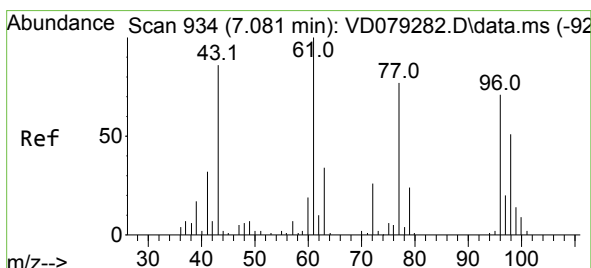
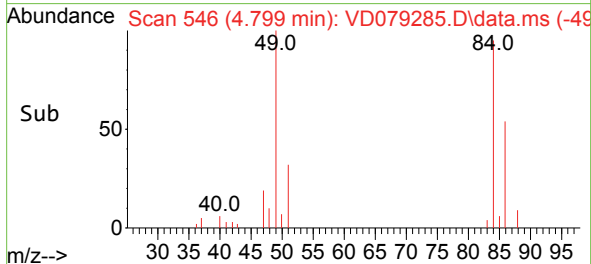
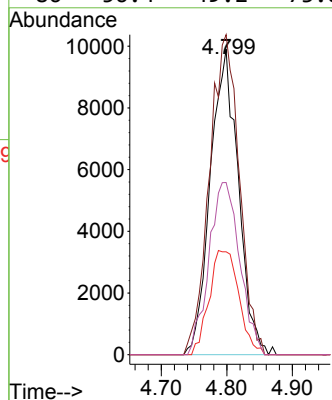
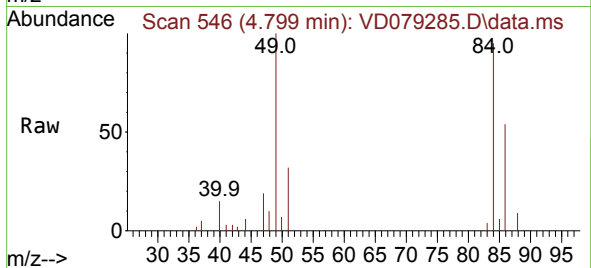
Ion Ratio Lower Upper

84 100

49 104.7 75.6 113.4

51 33.7 24.2 36.2

86 56.4 49.2 73.8



#25

2-Butanone

Concen: 1.441 ug/l

RT: 7.081 min Scan# 934

Delta R.T. 0.006 min

Lab File: VD079285.D

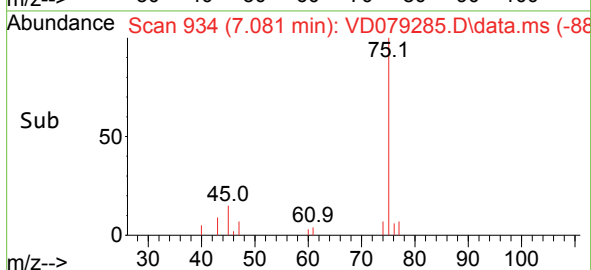
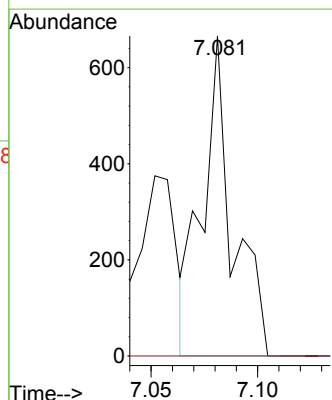
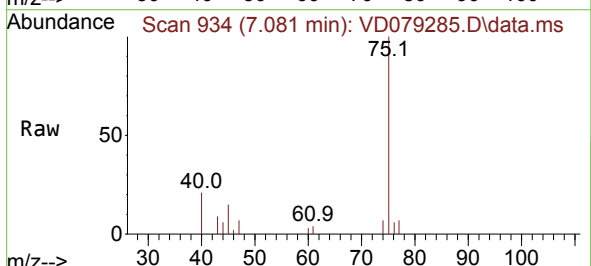
Acq: 28 Jun 2024 16:31

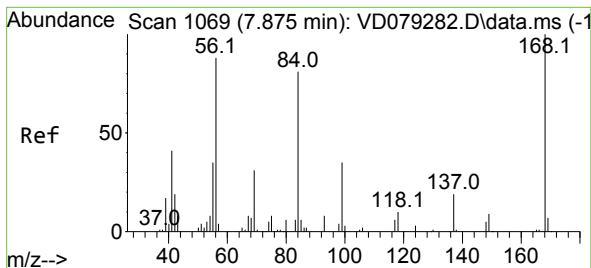
Tgt Ion: 43 Resp: 651

Ion Ratio Lower Upper

43 100

72 0.0 26.4 39.6#





#31

Cyclohexane

Concen: 1.218 ug/l

RT: 7.869 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD079285.D

Acq: 28 Jun 2024 16:31

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

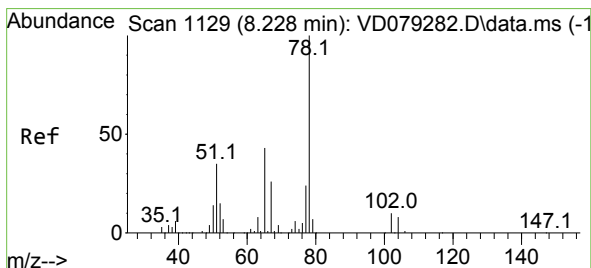
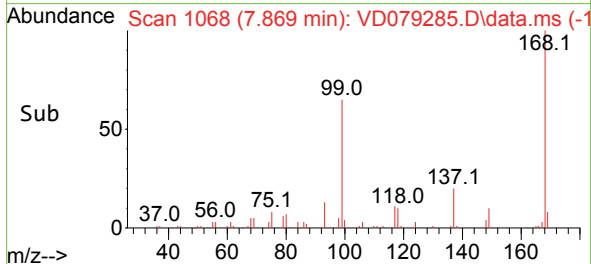
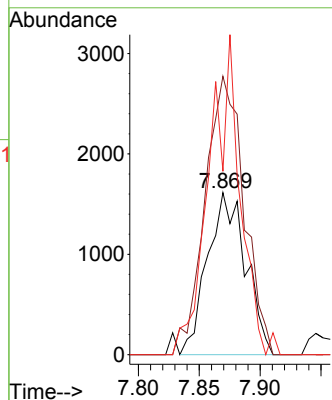
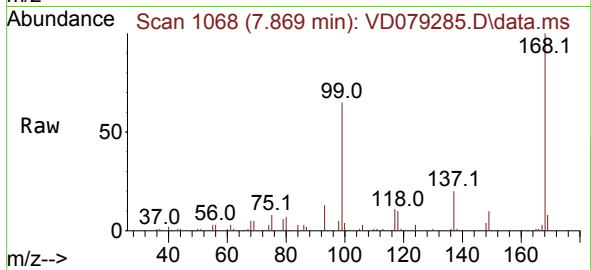
Tgt Ion: 56 Resp: 3540

Ion Ratio Lower Upper

56 100

69 171.8 28.0 42.0#

84 113.1 87.4 131.0



#33

1,2-Dichloroethane-d4

Concen: 65.683 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD079285.D

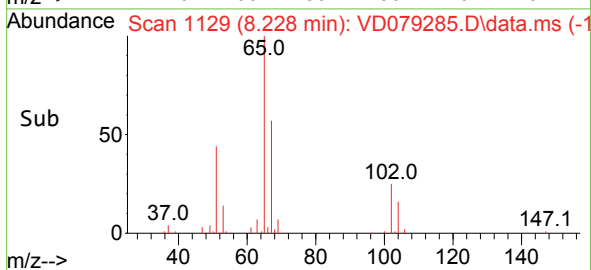
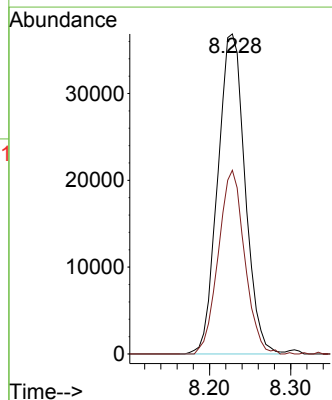
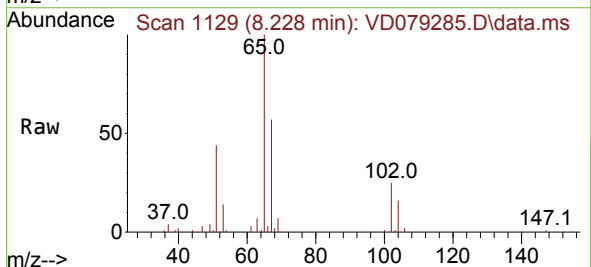
Acq: 28 Jun 2024 16:31

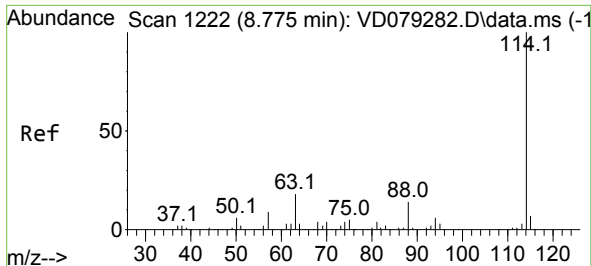
Tgt Ion: 65 Resp: 86071

Ion Ratio Lower Upper

65 100

67 55.4 0.0 111.0

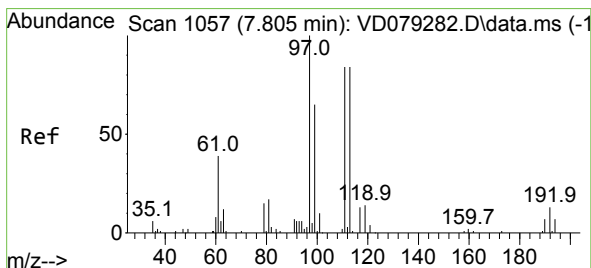
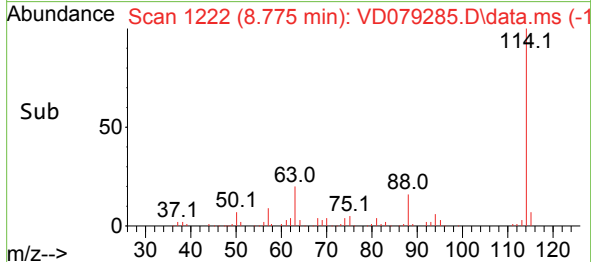
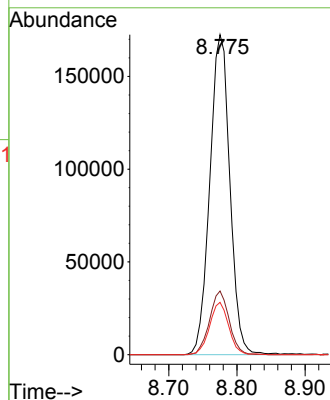
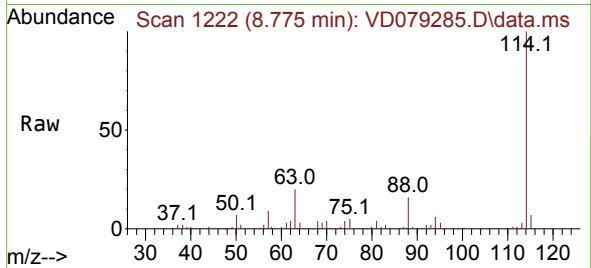




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD079285.D
Acq: 28 Jun 2024 16:31

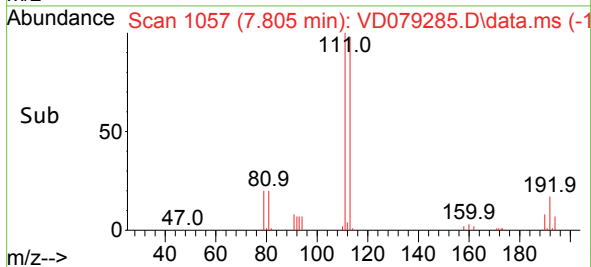
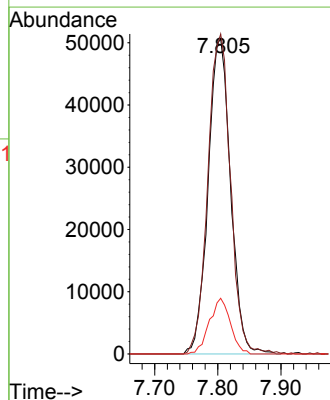
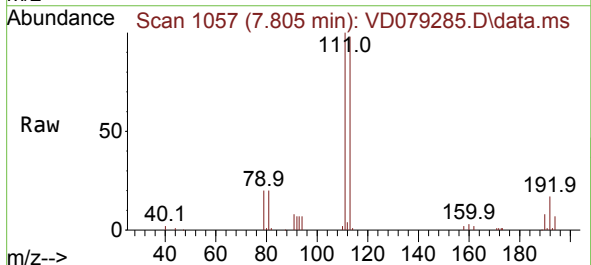
Instrument :
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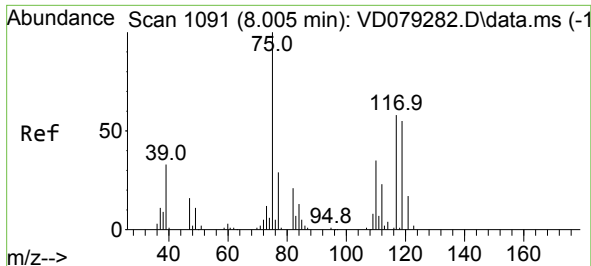
Tgt Ion:114 Resp: 353180
Ion Ratio Lower Upper
114 100
63 19.9 0.0 34.0
88 16.4 0.0 27.2



#35
Dibromofluoromethane
Concen: 54.016 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD079285.D
Acq: 28 Jun 2024 16:31

Tgt Ion:113 Resp: 125224
Ion Ratio Lower Upper
113 100
111 102.3 84.0 126.0
192 16.5 15.4 23.0





#36

1,1-Dichloropropene

Concen: 3.583 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD079285.D

Acq: 28 Jun 2024 16:31

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

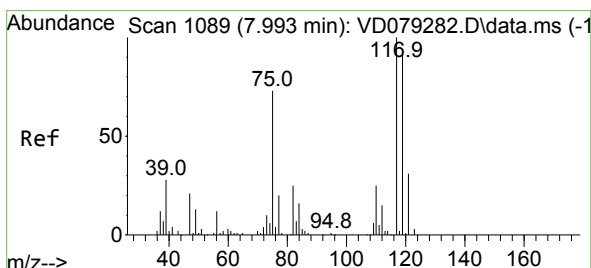
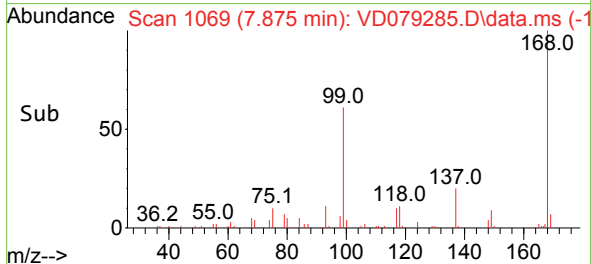
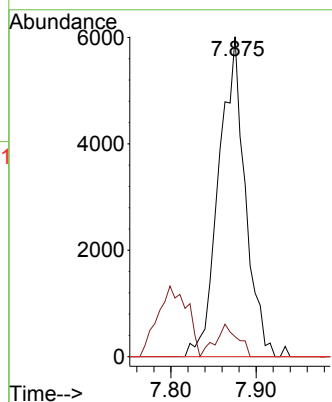
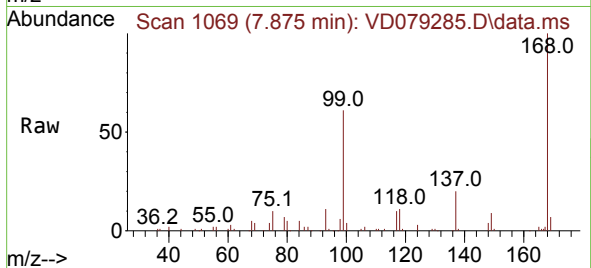
Tgt Ion: 75 Resp: 12904

Ion Ratio Lower Upper

75 100

110 8.5 19.6 58.7#

77 0.0 26.1 39.1#



#38

Carbon Tetrachloride

Concen: 4.053 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.118 min

Lab File: VD079285.D

Acq: 28 Jun 2024 16:31

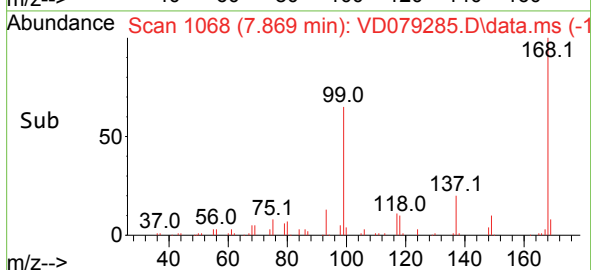
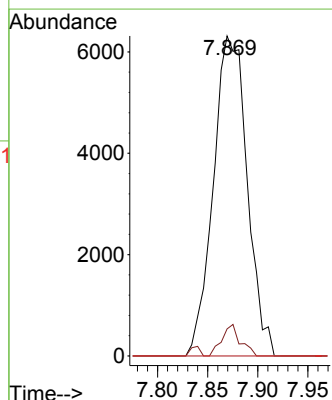
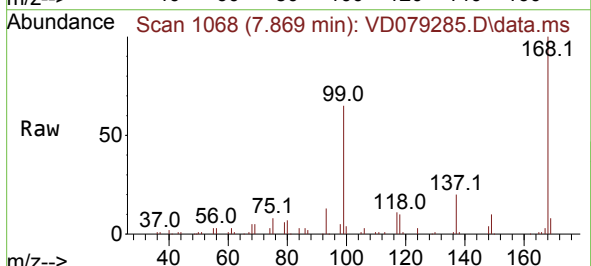
Tgt Ion: 117 Resp: 14824

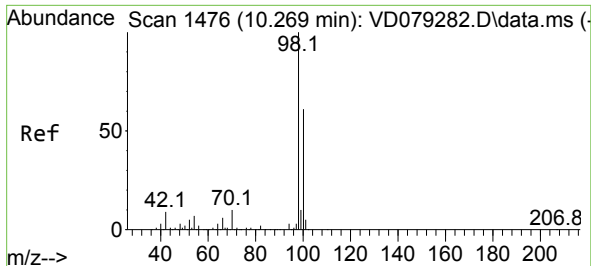
Ion Ratio Lower Upper

117 100

119 8.5 75.4 113.0#

121 0.0 25.0 37.4#

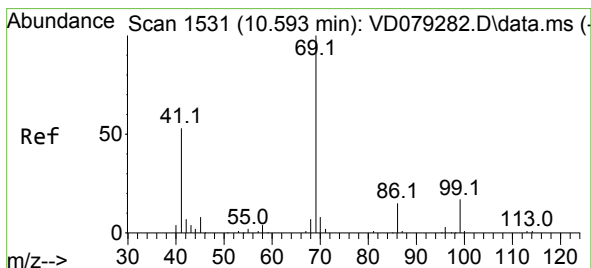
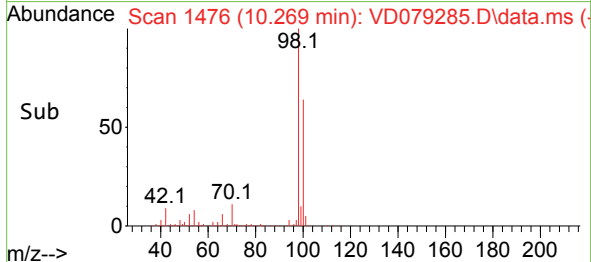
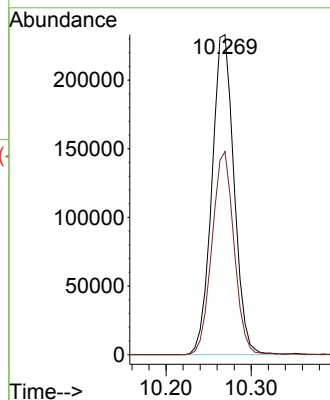
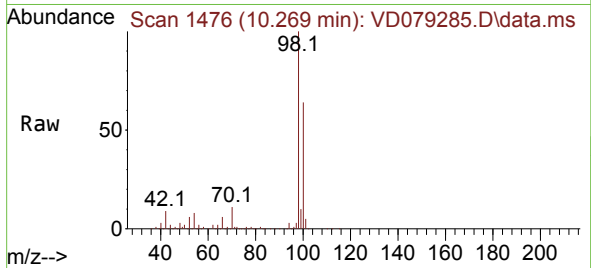




#50
Toluene-d8
Concen: 50.561 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD079285.D
Acq: 28 Jun 2024 16:31

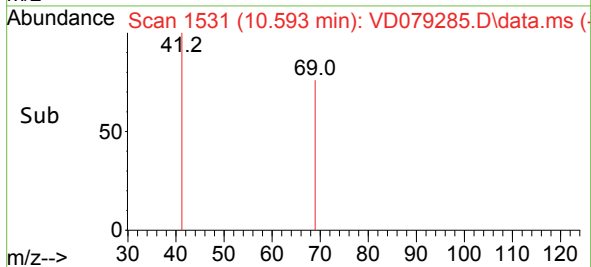
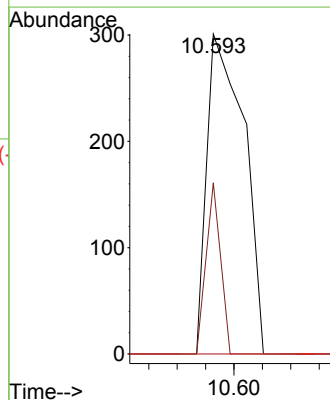
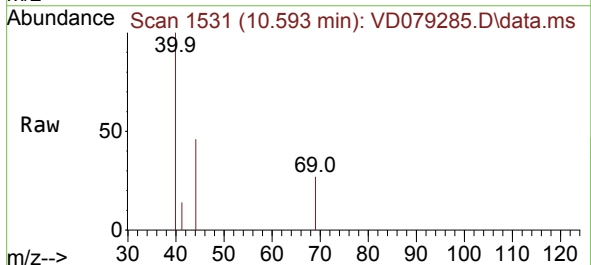
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

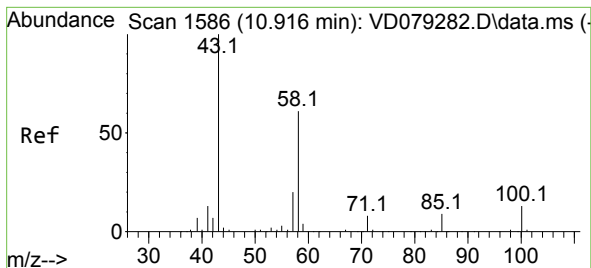
Tgt Ion: 98 Resp: 421676
Ion Ratio Lower Upper
98 100
100 63.1 51.6 77.4



#56
Ethyl methacrylate
Concen: 3.814 ug/l
RT: 10.593 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VD079285.D
Acq: 28 Jun 2024 16:31

Tgt Ion: 69 Resp: 272
Ion Ratio Lower Upper
69 100
41 21.0 39.8 59.6#
39 0.0 20.2 30.4#

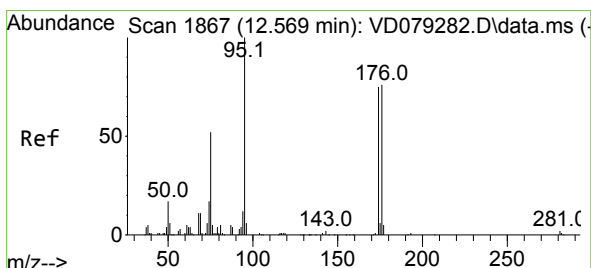
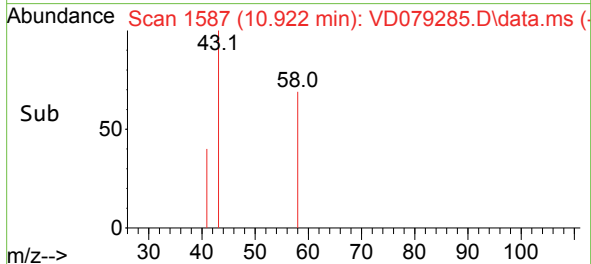
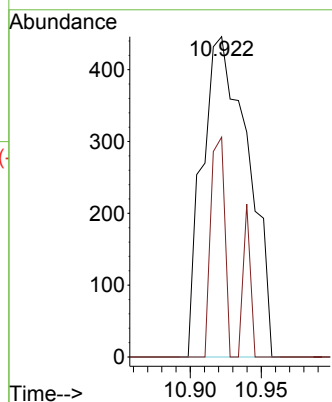
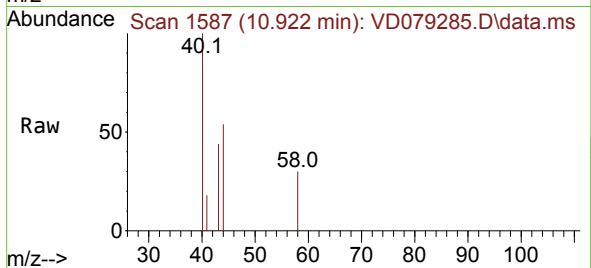




#59
2-Hexanone
Concen: 1.021 ug/l
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD079285.D
Acq: 28 Jun 2024 16:31

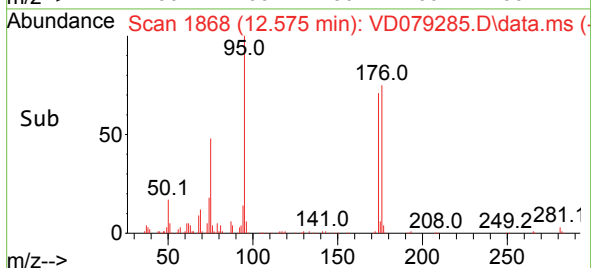
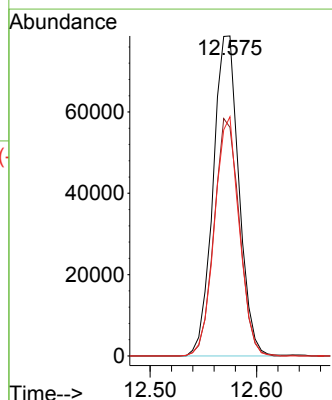
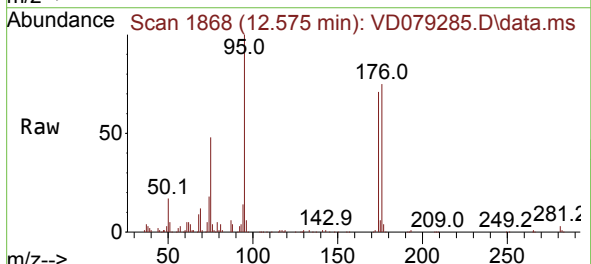
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

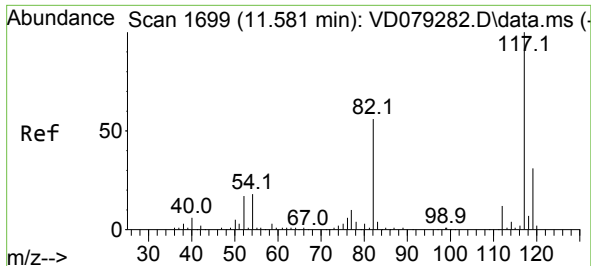
Tgt Ion: 43 Resp: 998
Ion Ratio Lower Upper
43 100
58 20.9 31.1 93.5#



#62
4-Bromofluorobenzene
Concen: 49.508 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD079285.D
Acq: 28 Jun 2024 16:31

Tgt Ion: 95 Resp: 132402
Ion Ratio Lower Upper
95 100
174 72.7 0.0 195.4
176 71.7 0.0 192.6

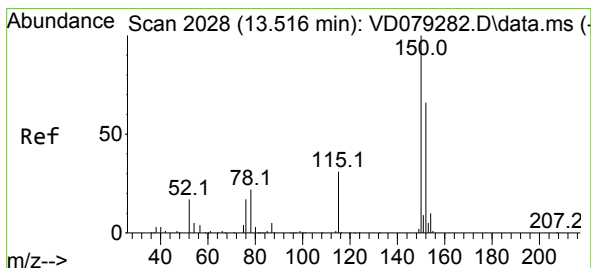
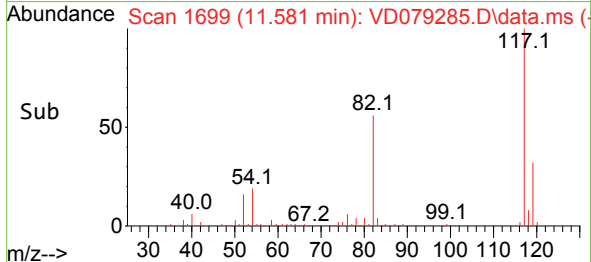
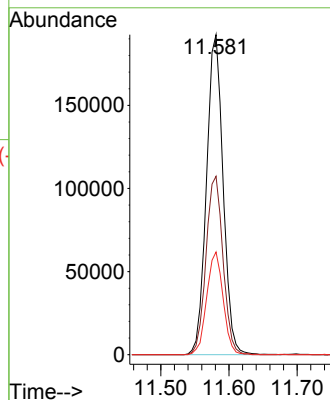
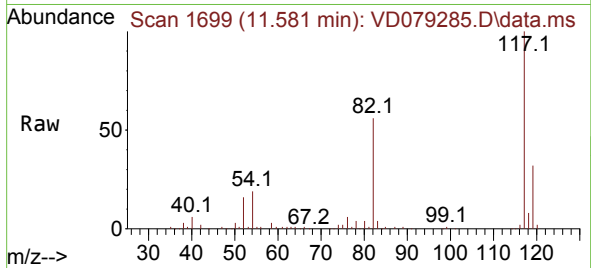




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD079285.D
Acq: 28 Jun 2024 16:31

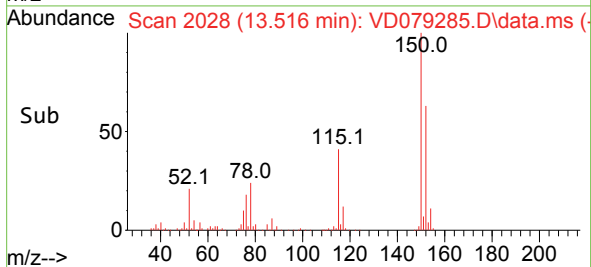
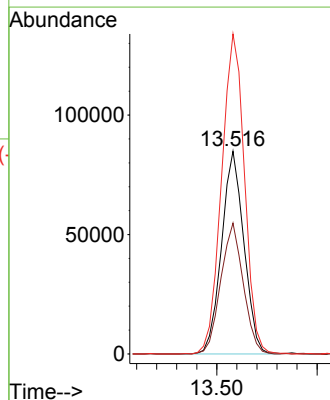
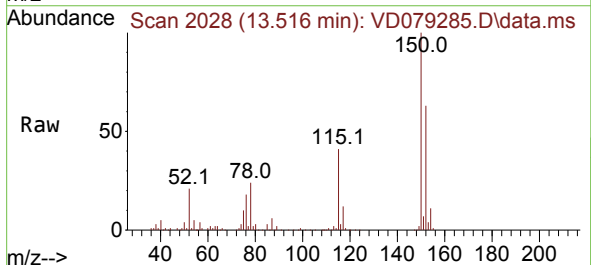
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

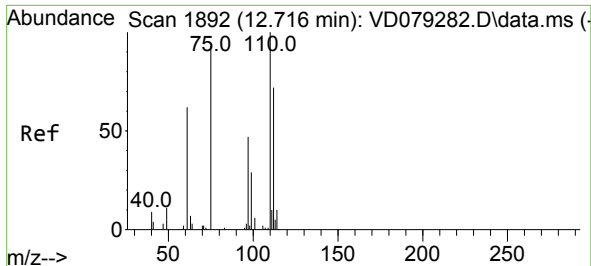
Tgt Ion:117 Resp: 326639
Ion Ratio Lower Upper
117 100
82 55.7 39.8 59.6
119 32.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD079285.D
Acq: 28 Jun 2024 16:31

Tgt Ion:152 Resp: 131100
Ion Ratio Lower Upper
152 100
115 64.8 26.5 79.5
150 161.7 0.0 341.6

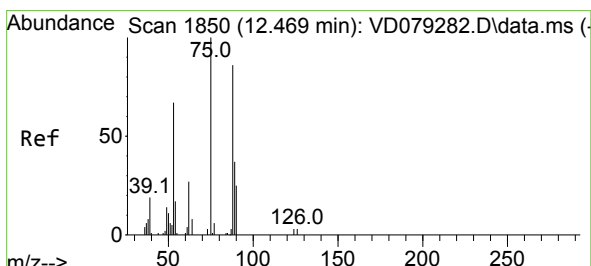
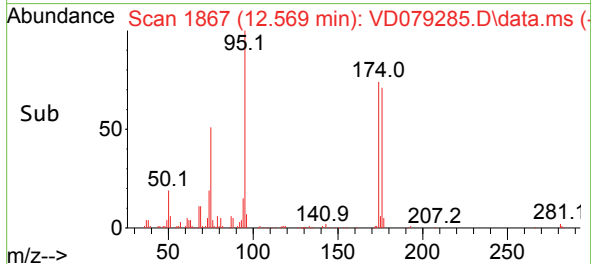
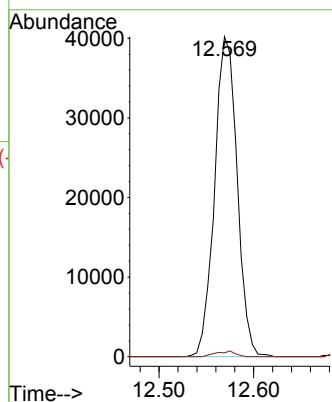
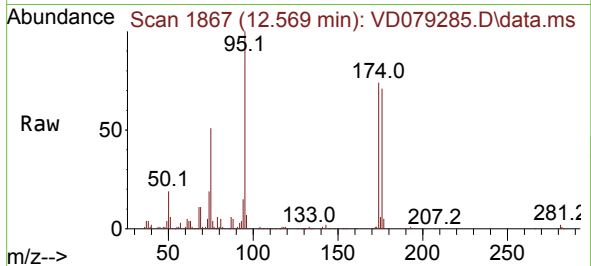




#76
1,2,3-Trichloropropane
Concen: 51.230 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079285.D
Acq: 28 Jun 2024 16:31

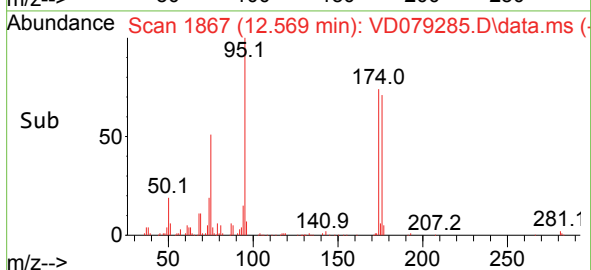
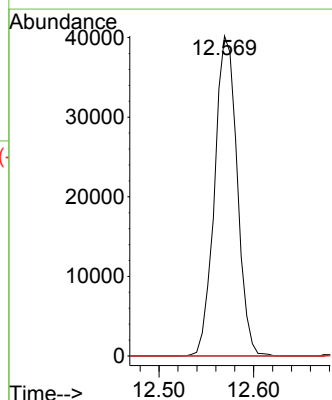
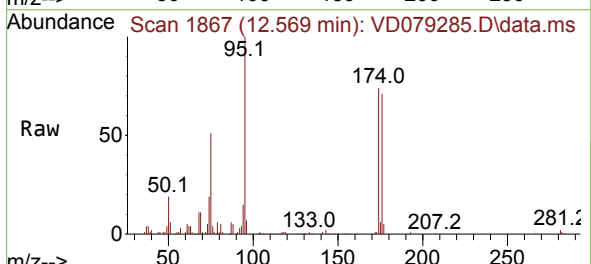
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

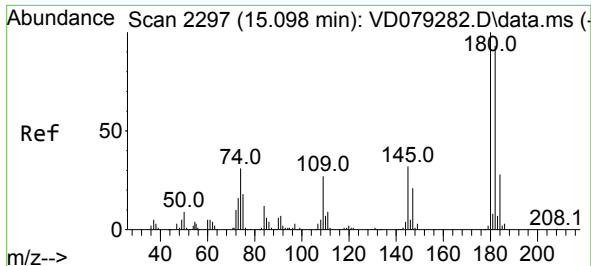
Tgt Ion: 75 Resp: 66619
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.223 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079285.D
Acq: 28 Jun 2024 16:31

Tgt Ion: 75 Resp: 66619
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#

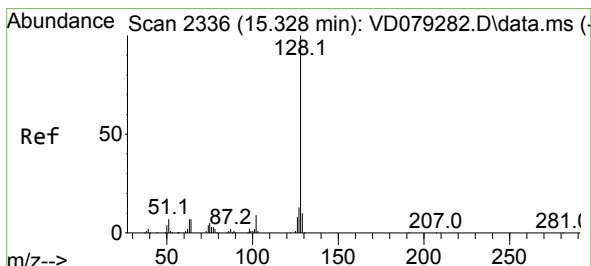
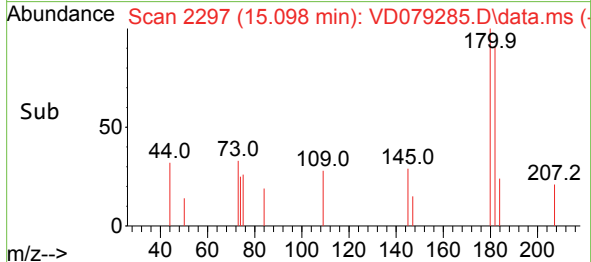
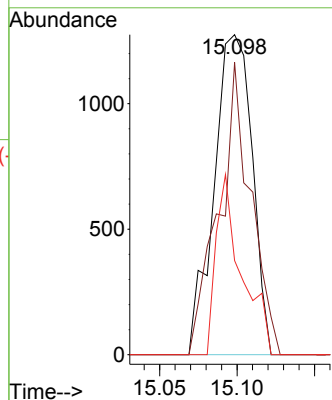
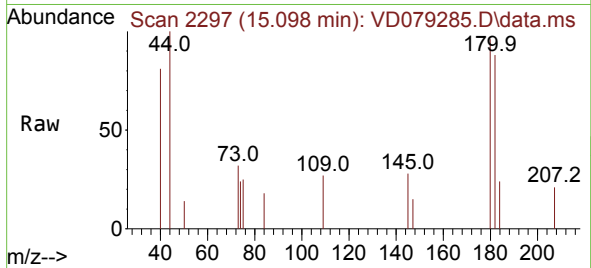




#93
1,2,4-Trichlorobenzene
Concen: 1.021 ug/l
RT: 15.098 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VD079285.D
Acq: 28 Jun 2024 16:31

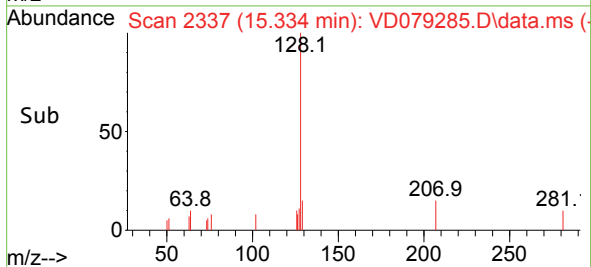
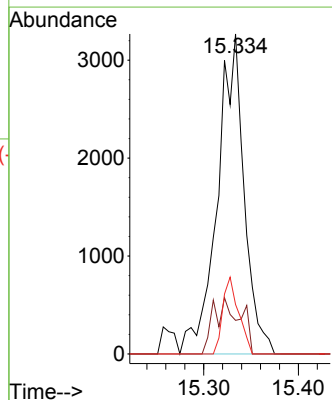
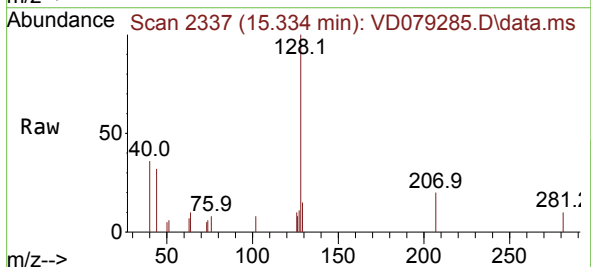
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

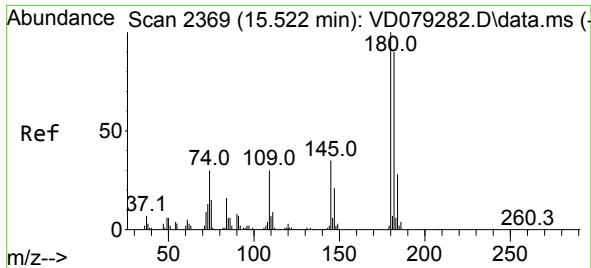
Tgt Ion:180 Resp: 2183
Ion Ratio Lower Upper
180 100
182 76.6 46.9 140.7
145 37.7 14.0 41.9



#95
Naphthalene
Concen: 1.537 ug/l
RT: 15.334 min Scan# 2337
Delta R.T. 0.006 min
Lab File: VD079285.D
Acq: 28 Jun 2024 16:31

Tgt Ion:128 Resp: 6419
Ion Ratio Lower Upper
128 100
127 10.5 10.2 15.4
129 15.5 8.5 12.7#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.416 ug/l
 RT: 15.516 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VD079285.D
 Acq: 28 Jun 2024 16:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Tgt Ion:	180	Resp:	2679
Ion	Ratio	Lower	Upper
180	100		
182	81.7	47.8	143.3
145	28.9	16.1	48.2

