

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030424\
 Data File : VD078586.D
 Acq On : 04 Mar 2024 13:19
 Operator : RP/MD
 Sample : VIBLK
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Mar 05 04:14:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D030124S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 02 03:50:17 2024
 Response via : Initial Calibration

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

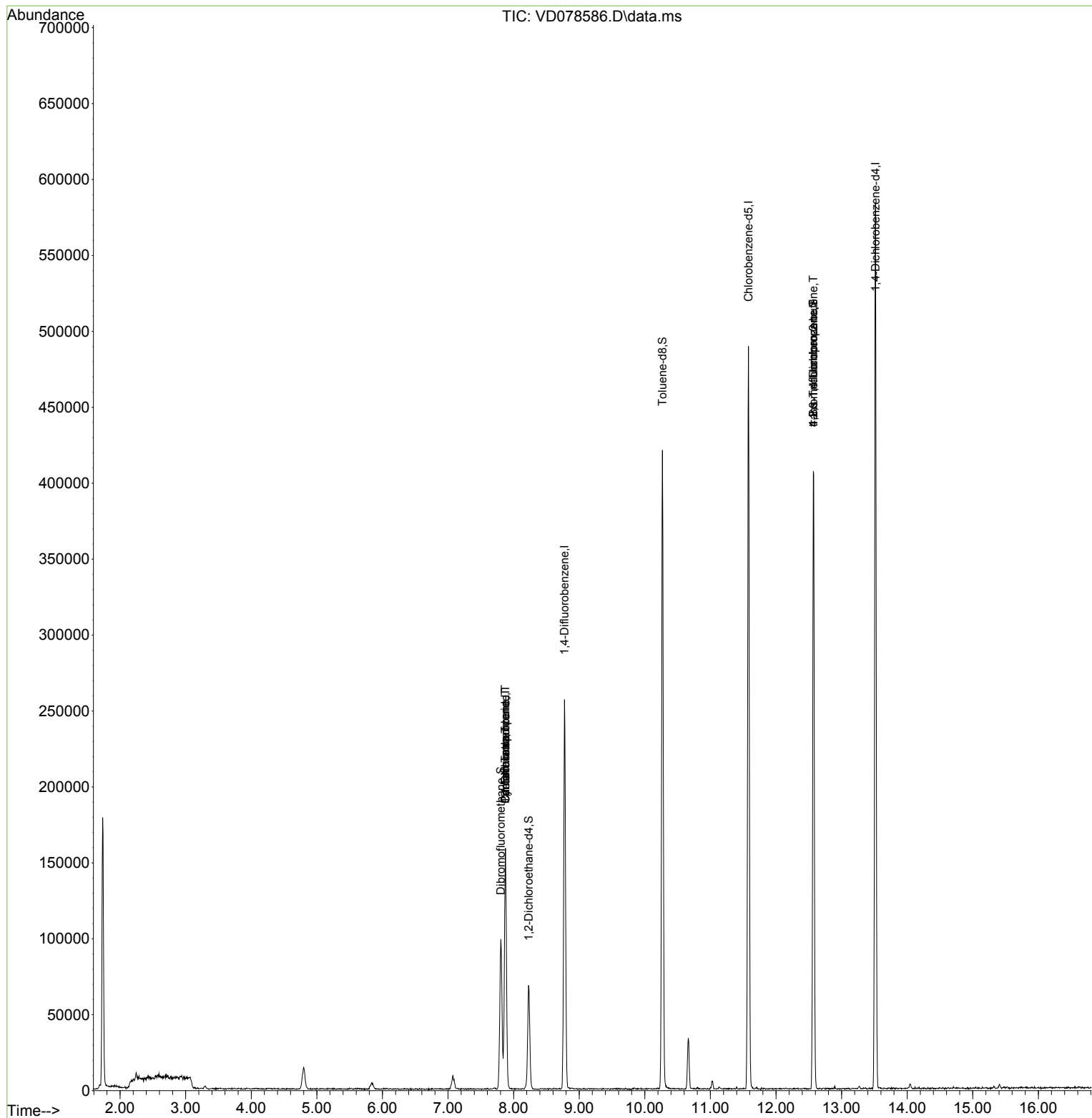
Internal Standards						
1) Pentafluorobenzene	7.875	168	119995	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	228677	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	291866	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	157898	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	50467	42.427	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	84.860%
35) Dibromofluoromethane	7.805	113	72456	48.709	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.420%
50) Toluene-d8	10.269	98	296209	51.245	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.480%
62) 4-Bromofluorobenzene	12.569	95	124082	75.158	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	150.320%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.152	50	674	Below Cal	#	65
11) Tert butyl alcohol	5.058	59	69	Below Cal	#	73
20) Methylene Chloride	4.799	84	11216	Below Cal	#	89
31) Cyclohexane	7.875	56	2619	1.407	ug/l #	61
36) 1,1-Dichloropropene	7.875	75	8916	4.331	ug/l #	48
38) Carbon Tetrachloride	7.875	117	12167	5.651	ug/l #	15
76) 1,2,3-Trichloropropane	12.569	75	63579	52.722	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	63579	112.848	ug/l #	17

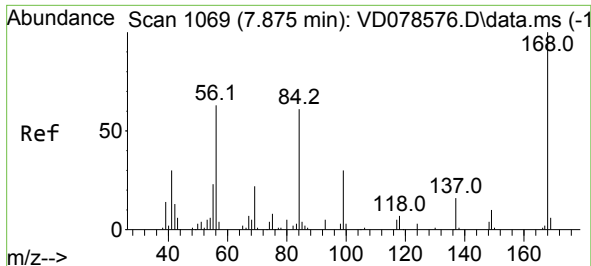
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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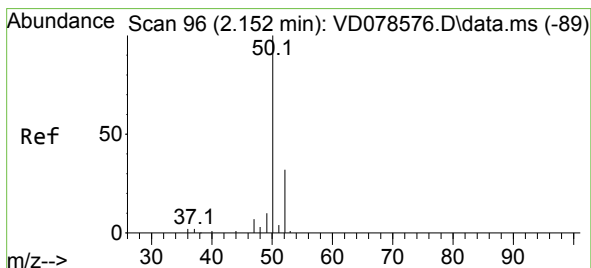
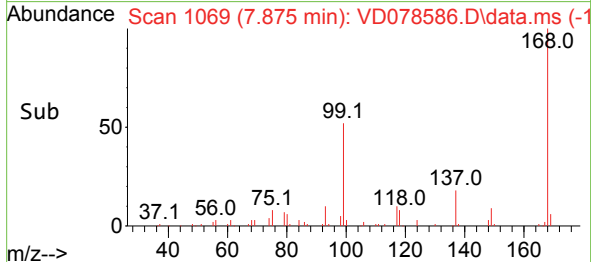
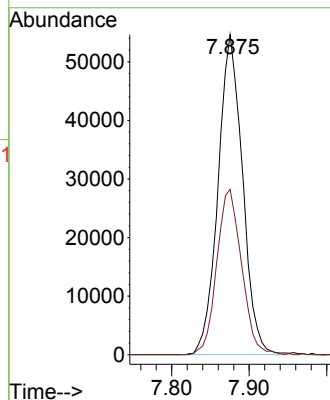
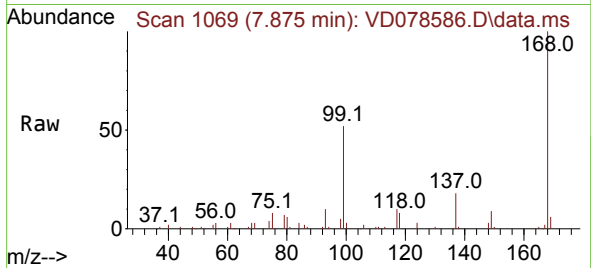




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD078586.D
Acq: 04 Mar 2024 13:19

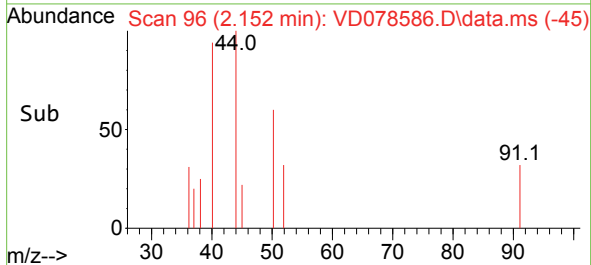
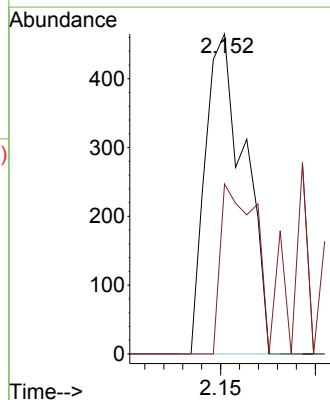
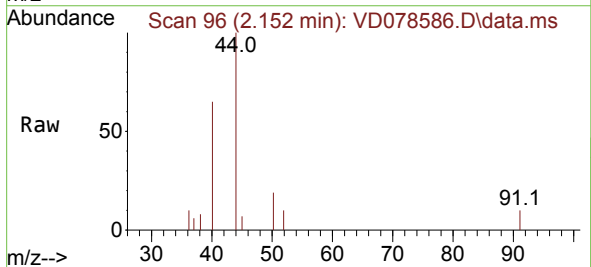
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

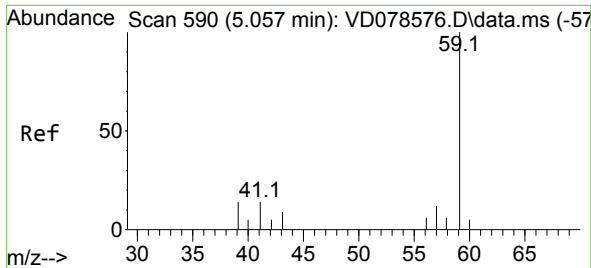
Tgt Ion:168 Resp: 119995
Ion Ratio Lower Upper
168 100
99 51.7 36.7 55.1



#3
Chloromethane
Concen: Below Cal
RT: 2.152 min Scan# 96
Delta R.T. 0.000 min
Lab File: VD078586.D
Acq: 04 Mar 2024 13:19

Tgt Ion: 50 Resp: 674
Ion Ratio Lower Upper
50 100
52 53.1 26.6 40.0#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.058 min Scan# 59

Delta R.T. 0.001 min

Lab File: VD078586.D

Acq: 04 Mar 2024 13:19

Instrument :

MSVOA_D

ClientSampleId :

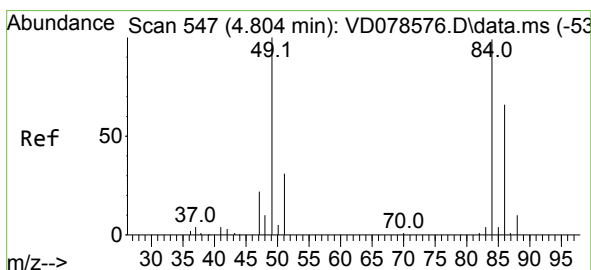
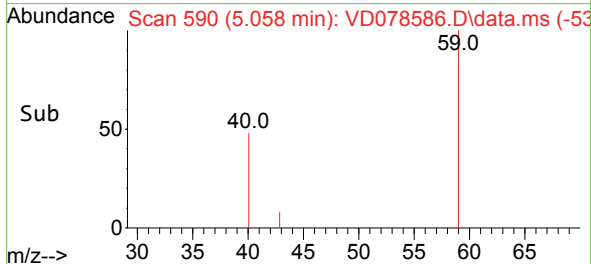
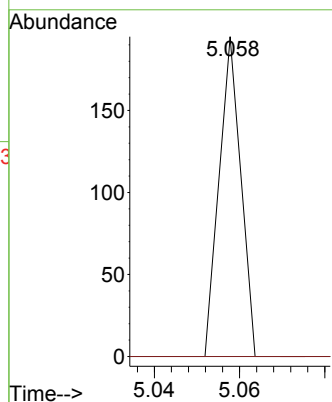
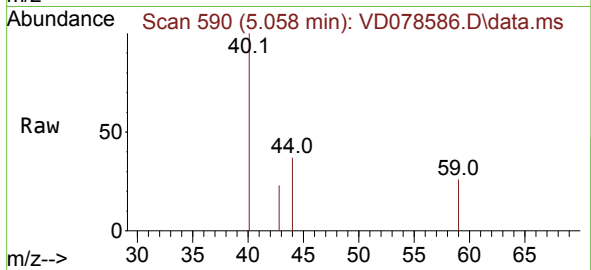
VIBLK

Tgt Ion: 59 Resp: 69

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.799 min Scan# 546

Delta R.T. -0.005 min

Lab File: VD078586.D

Acq: 04 Mar 2024 13:19

Tgt Ion: 84 Resp: 11216

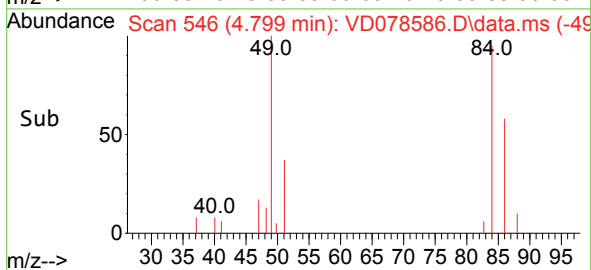
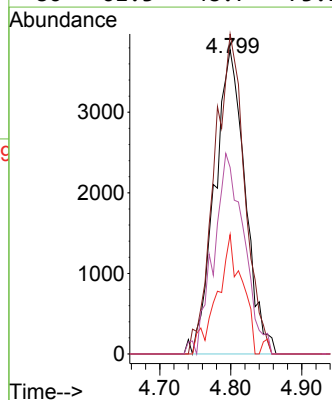
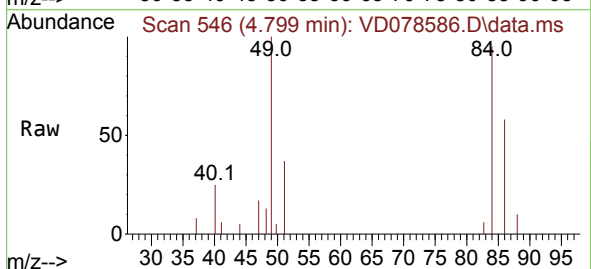
Ion Ratio Lower Upper

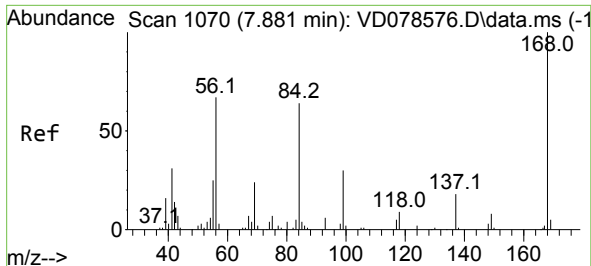
84 100

49 105.2 71.4 107.2

51 39.2 24.5 36.7#

86 61.3 48.7 73.1

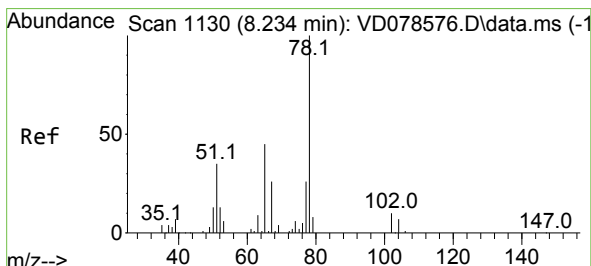
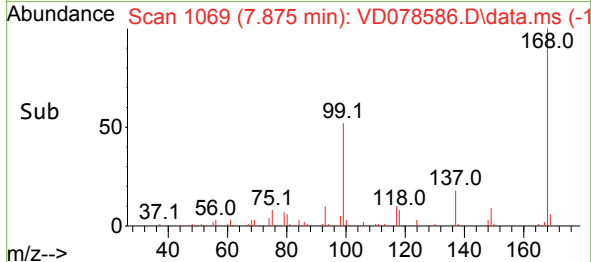
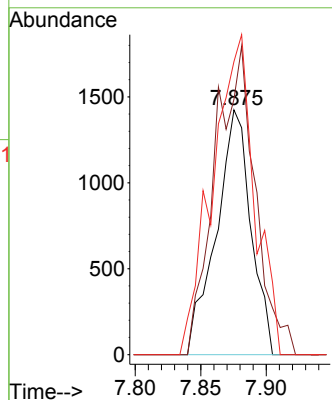
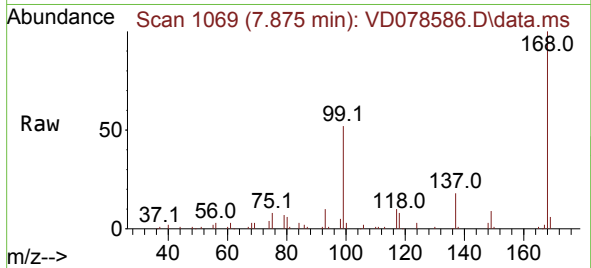




#31
Cyclohexane
Concen: 1.407 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.005 min
Lab File: VD078586.D
Acq: 04 Mar 2024 13:19

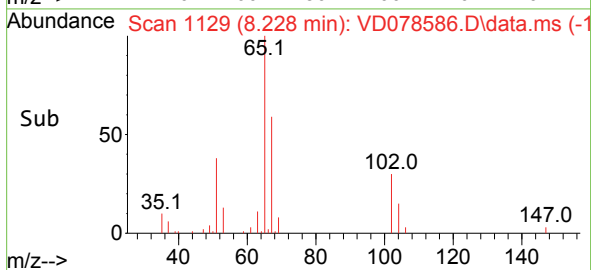
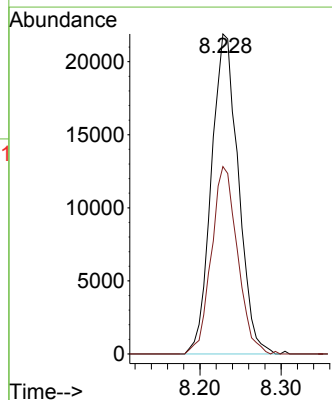
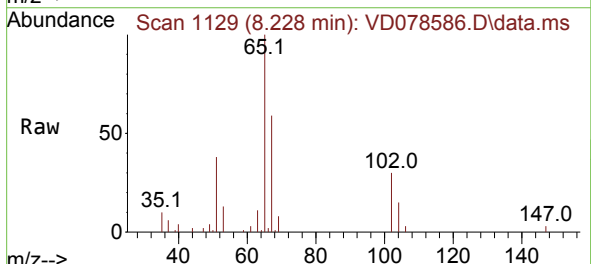
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

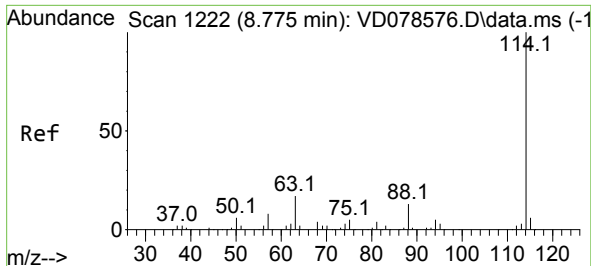
Tgt Ion: 56 Resp: 2619
Ion Ratio Lower Upper
56 100
69 104.4 28.6 43.0#
84 119.8 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 42.427 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.005 min
Lab File: VD078586.D
Acq: 04 Mar 2024 13:19

Tgt Ion: 65 Resp: 50467
Ion Ratio Lower Upper
65 100
67 56.8 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: VD078586.D

Acq: 04 Mar 2024 13:19

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

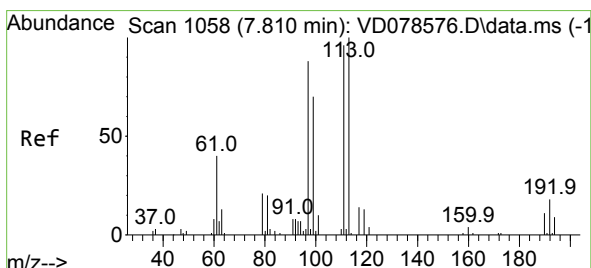
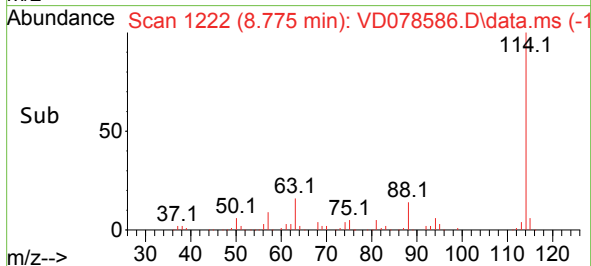
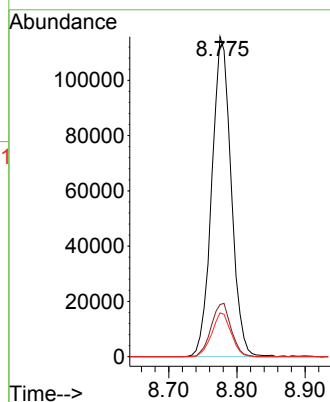
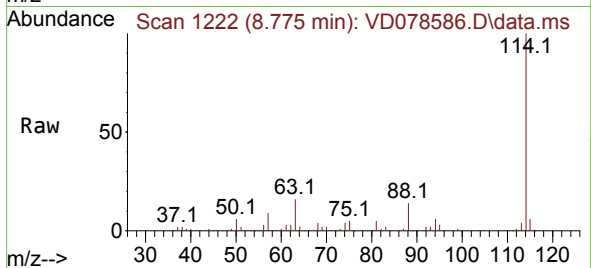
Tgt Ion:114 Resp: 228677

Ion Ratio Lower Upper

114 100

63 16.3 0.0 33.4

88 13.7 0.0 26.2



#35

Dibromofluoromethane

Concen: 48.709 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.005 min

Lab File: VD078586.D

Acq: 04 Mar 2024 13:19

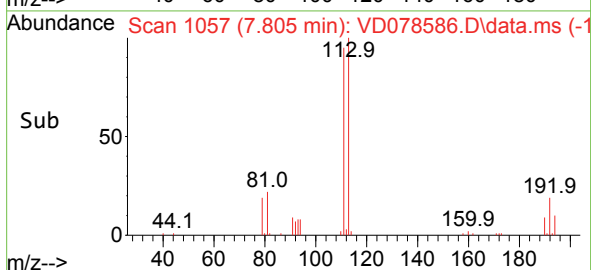
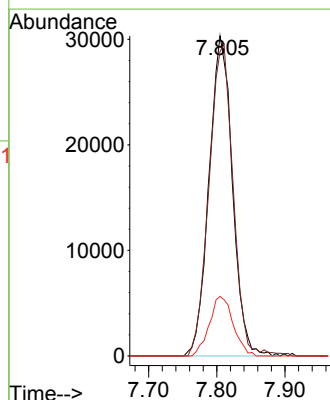
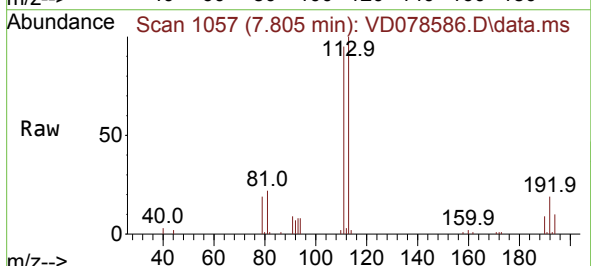
Tgt Ion:113 Resp: 72456

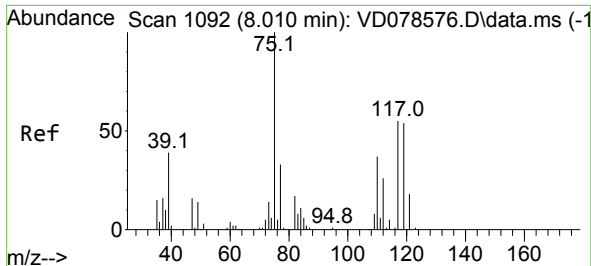
Ion Ratio Lower Upper

113 100

111 100.2 84.7 127.1

192 18.9 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.331 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD078586.D

Acq: 04 Mar 2024 13:19

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

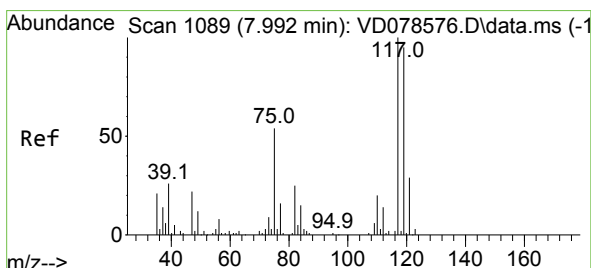
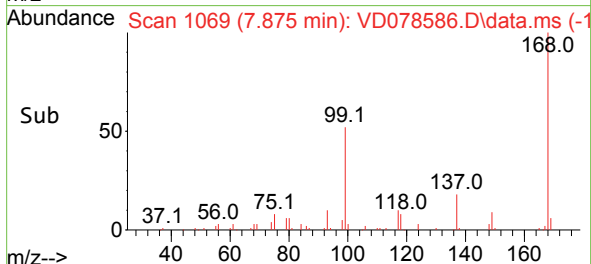
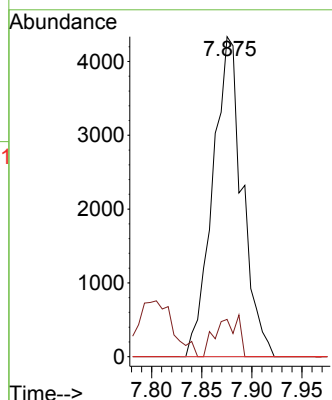
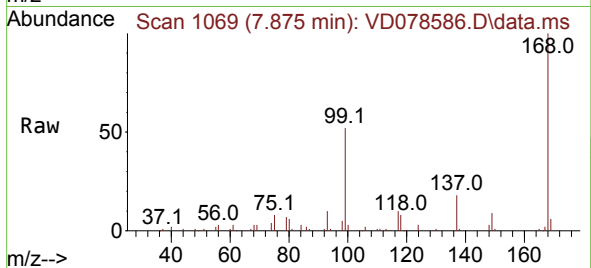
Tgt Ion: 75 Resp: 8916

Ion Ratio Lower Upper

75 100

110 9.7 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.651 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.117 min

Lab File: VD078586.D

Acq: 04 Mar 2024 13:19

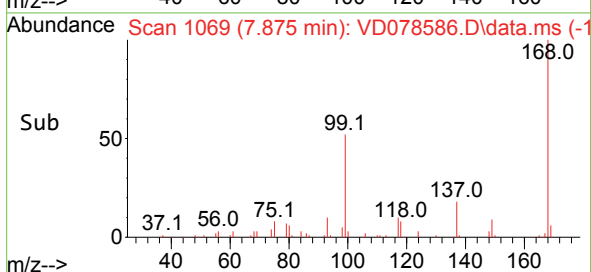
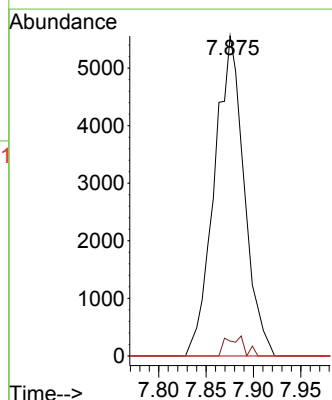
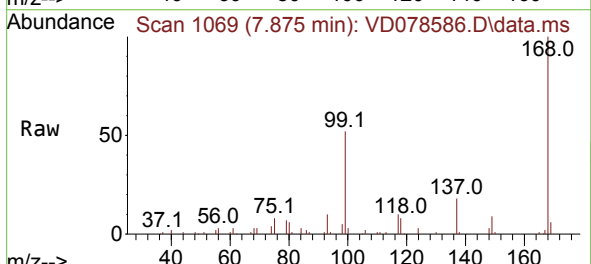
Tgt Ion: 117 Resp: 12167

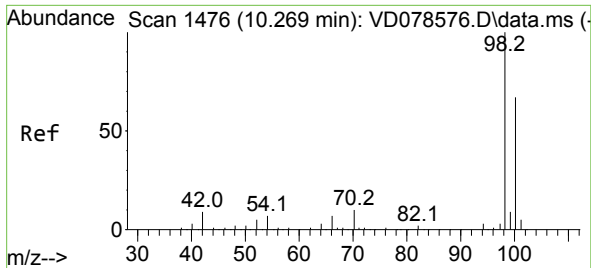
Ion Ratio Lower Upper

117 100

119 4.6 78.0 117.0#

121 0.0 24.2 36.2#

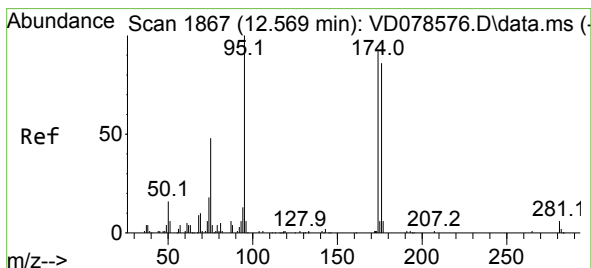
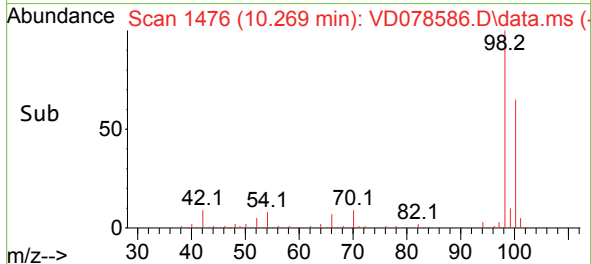
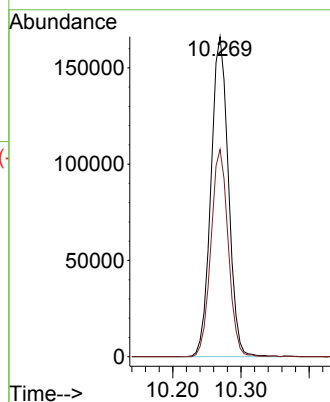
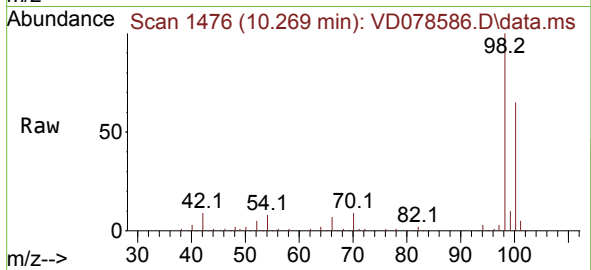




#50
Toluene-d8
Concen: 51.245 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078586.D
Acq: 04 Mar 2024 13:19

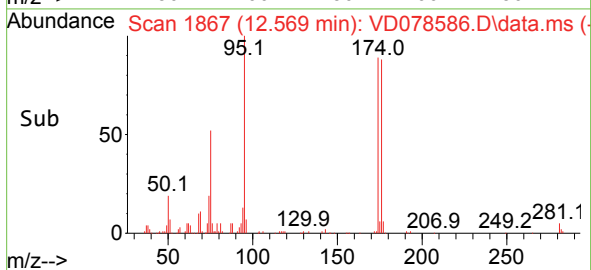
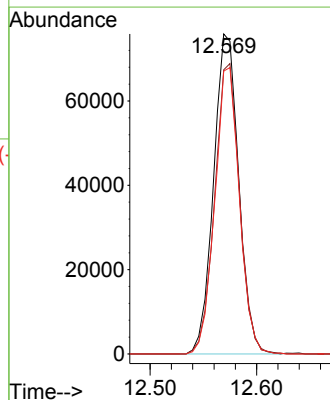
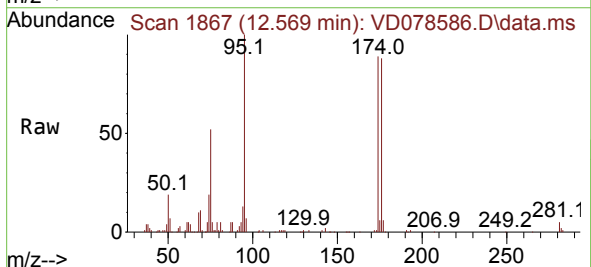
Instrument :
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ClientSampleId :
VIBLK

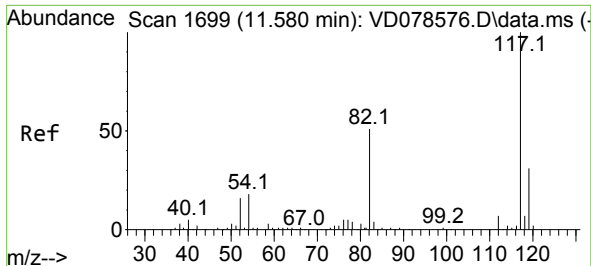
Tgt Ion: 98 Resp: 296209
Ion Ratio Lower Upper
98 100
100 64.1 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 75.158 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD078586.D
Acq: 04 Mar 2024 13:19

Tgt Ion: 95 Resp: 124082
Ion Ratio Lower Upper
95 100
174 90.0 0.0 201.8
176 87.7 0.0 191.8

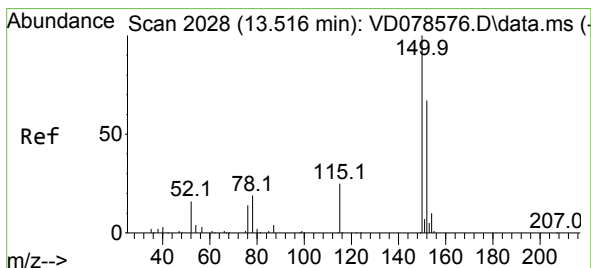
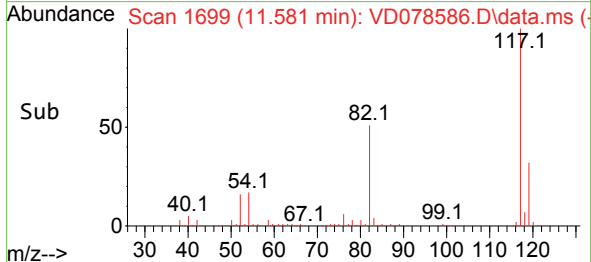
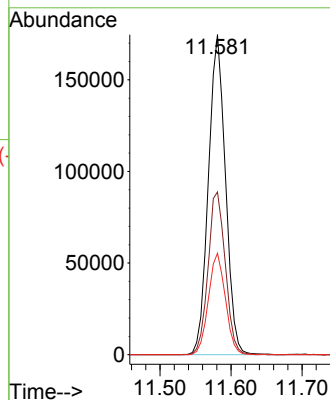
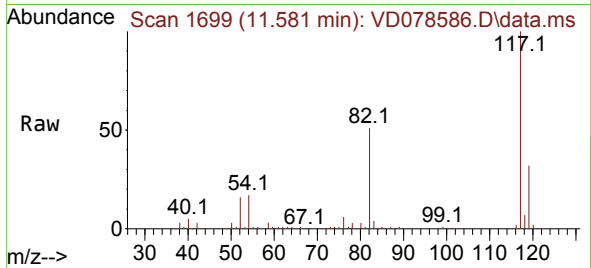




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD078586.D
Acq: 04 Mar 2024 13:19

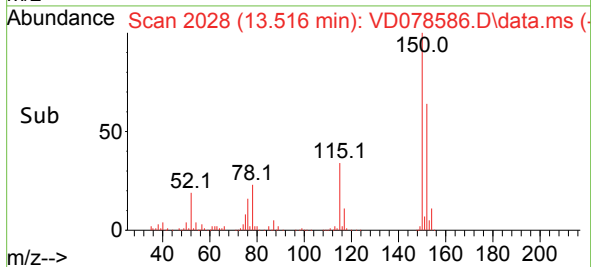
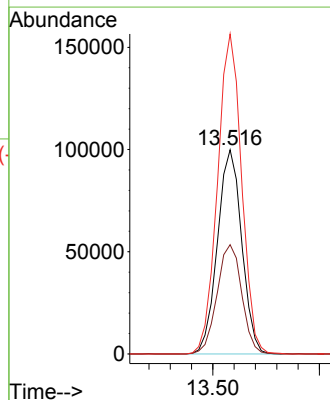
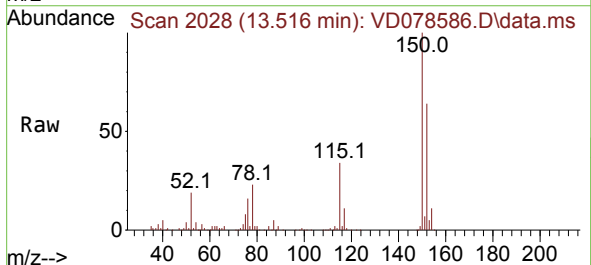
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

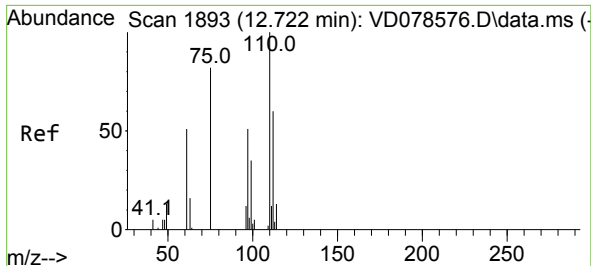
Tgt Ion:117 Resp: 291866
Ion Ratio Lower Upper
117 100
82 50.8 38.3 57.5
119 31.7 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD078586.D
Acq: 04 Mar 2024 13:19

Tgt Ion:152 Resp: 157898
Ion Ratio Lower Upper
152 100
115 54.4 27.1 81.3
150 155.3 0.0 353.6

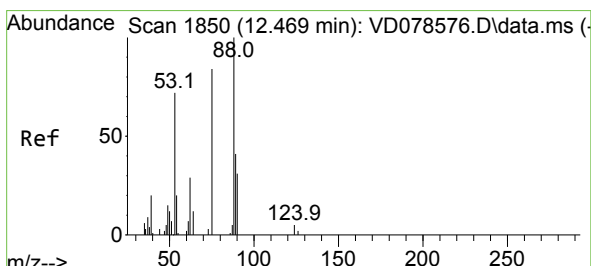
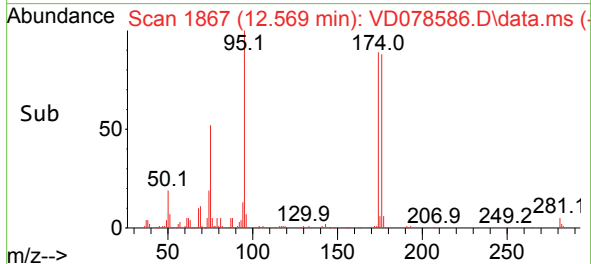
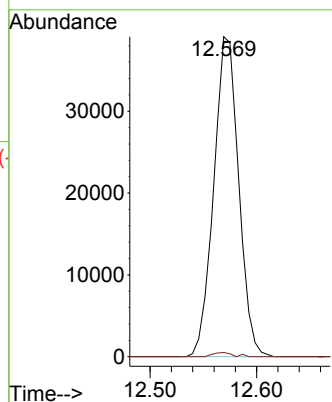
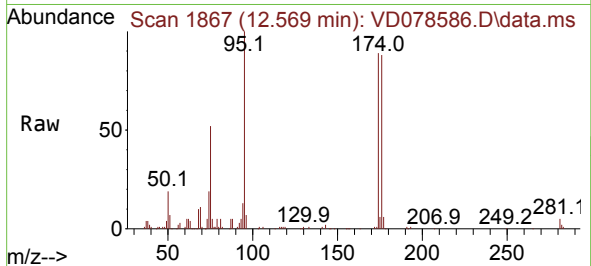




#76
1,2,3-Trichloropropane
Concen: 52.722 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.152 min
Lab File: VD078586.D
Acq: 04 Mar 2024 13:19

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 63579
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.848 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD078586.D
Acq: 04 Mar 2024 13:19

Tgt Ion: 75 Resp: 63579
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.1 37.9 56.9#

