

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032024\
 Data File : VD078712.D
 Acq On : 20 Mar 2024 10:34
 Operator : RP/MD
 Sample : VD0320SBL01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 21 04:44:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 05:38:03 2024
 Response via : Initial Calibration

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

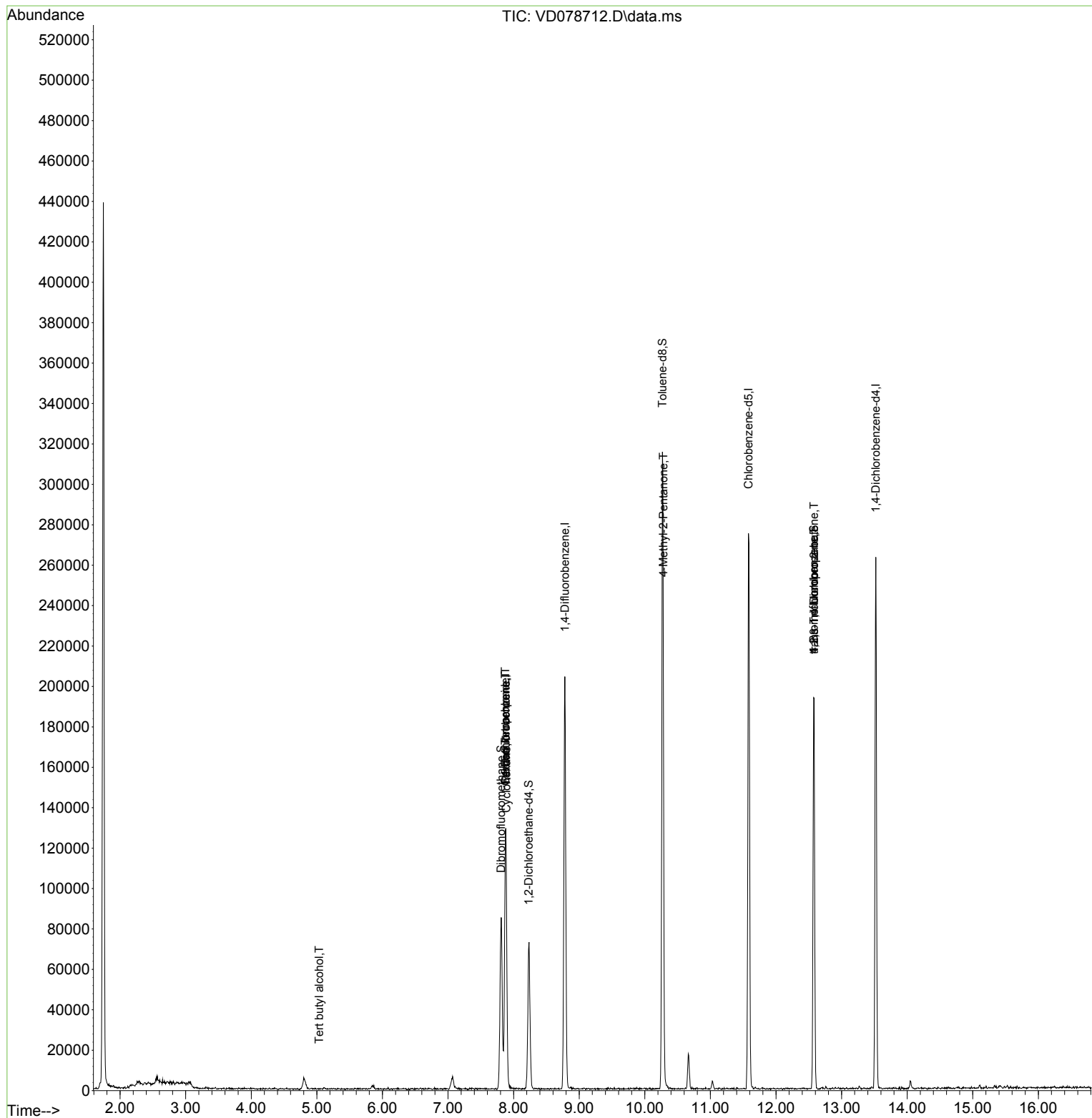
Internal Standards						
1) Pentafluorobenzene	7.881	168	104242	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	189934	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	172650	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	72173	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	55203	56.507	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.020%	
35) Dibromofluoromethane	7.810	113	61174	50.024	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.040%	
50) Toluene-d8	10.269	98	224853	49.996	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.000%	
62) 4-Bromofluorobenzene	12.575	95	58178	44.217	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.440%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.034	59	67	1.532	ug/l #	75
20) Methylene Chloride	4.799	84	4296	Below Cal	#	88
31) Cyclohexane	7.887	56	2490	1.516	ug/l #	36
36) 1,1-Dichloropropene	7.875	75	7969	4.491	ug/l #	46
38) Carbon Tetrachloride	7.875	117	10225	5.466	ug/l #	14
51) 4-Methyl-2-Pentanone	10.281	43	892	1.619	ug/l #	1
76) 1,2,3-Trichloropropane	12.581	75	29867	53.713	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.581	75	29867	112.591	ug/l #	19

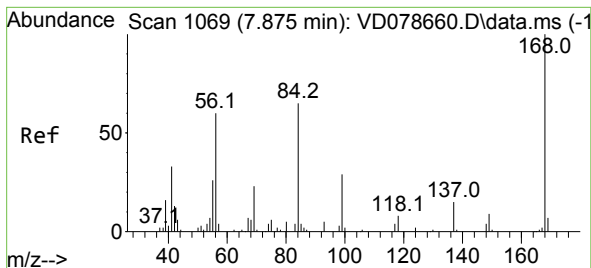
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 21 04:44:30 2024
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Quant Title : SW846 8260
QLast Update : Fri Mar 15 05:38:03 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 10

Delta R.T. 0.006 min

Lab File: VD078712.D

Acq: 20 Mar 2024 10:34

Instrument :

MSVOA_D

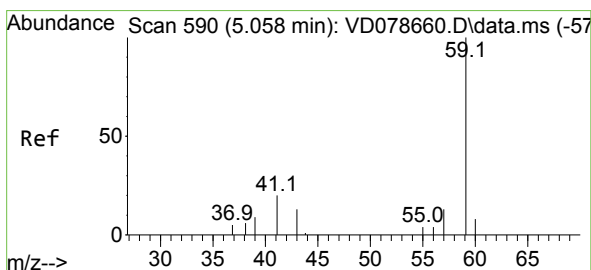
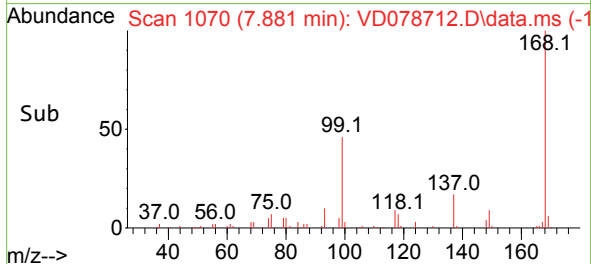
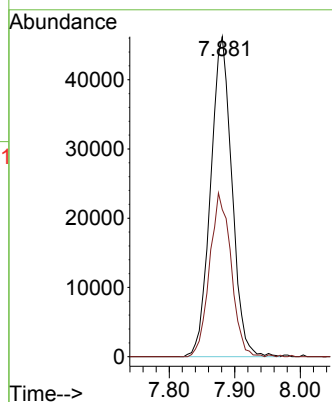
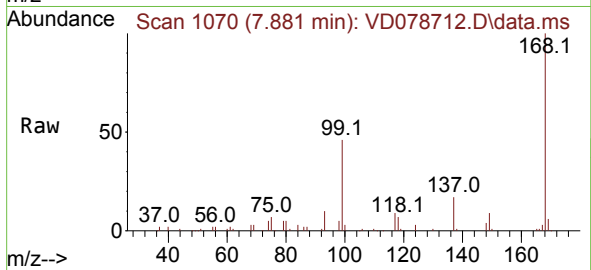
ClientSampleId :

Tgt Ion:168 Resp: 104242

Ion Ratio Lower Upper

168 100

99 45.9 38.8 58.2



#11

Tert butyl alcohol

Concen: 1.532 ug/l

RT: 5.034 min Scan# 586

Delta R.T. -0.024 min

Lab File: VD078712.D

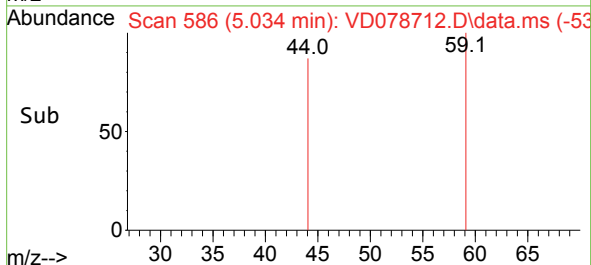
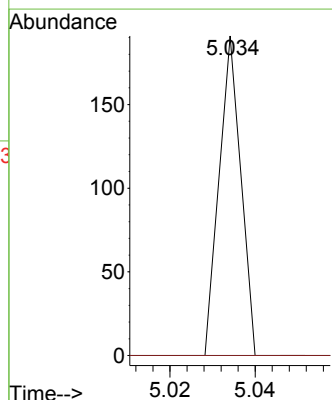
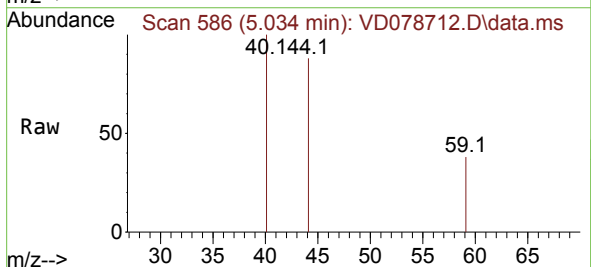
Acq: 20 Mar 2024 10:34

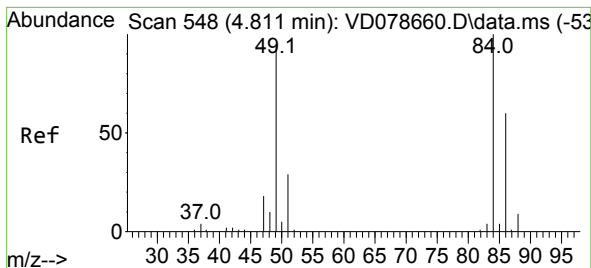
Tgt Ion: 59 Resp: 67

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.799 min Scan# 54

Delta R.T. -0.012 min

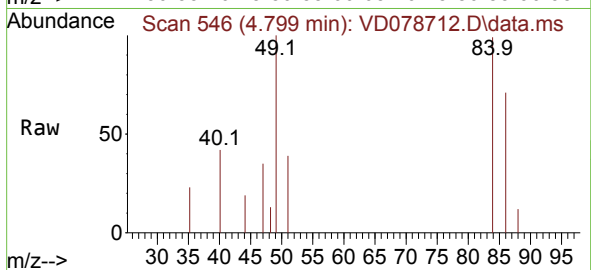
Lab File: VD078712.D

Acq: 20 Mar 2024 10:34

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 84 Resp: 4296

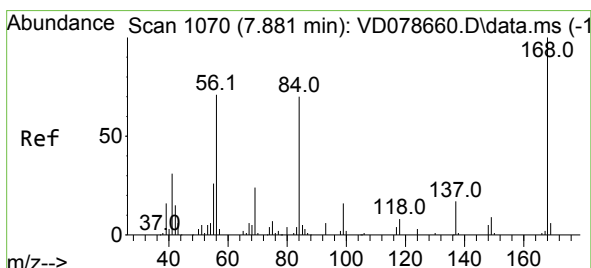
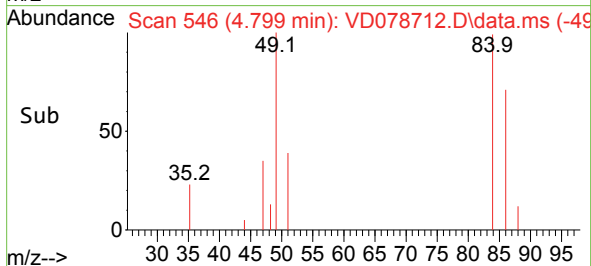
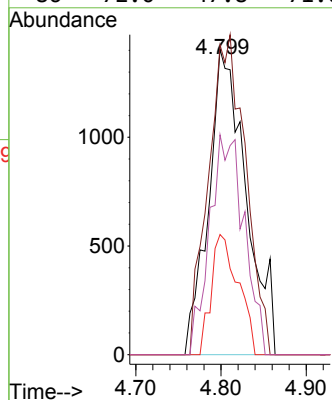
Ion Ratio Lower Upper

84 100

49 101.4 75.6 113.4

51 39.4 23.4 35.0#

86 72.0 47.8 71.6#



#31

Cyclohexane

Concen: 1.516 ug/l

RT: 7.887 min Scan# 1071

Delta R.T. 0.006 min

Lab File: VD078712.D

Acq: 20 Mar 2024 10:34

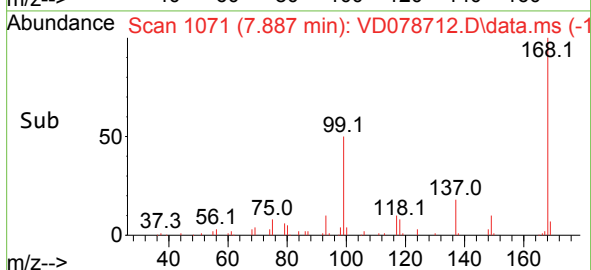
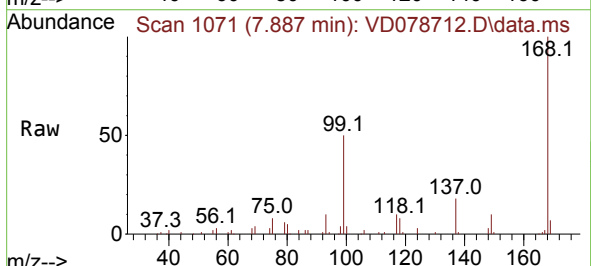
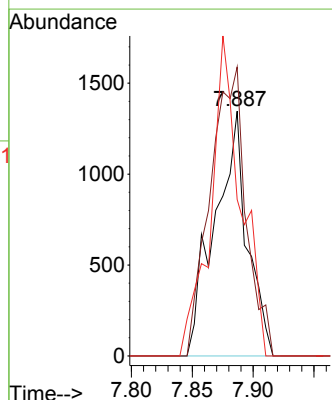
Tgt Ion: 56 Resp: 2490

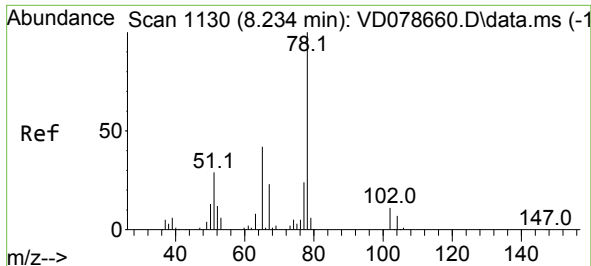
Ion Ratio Lower Upper

56 100

69 118.1 26.6 40.0#

84 64.0 79.4 119.2#





#33

1,2-Dichloroethane-d4

Concen: 56.507 ug/l

RT: 8.228 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VD078712.D

Acq: 20 Mar 2024 10:34

Instrument :

MSVOA_D

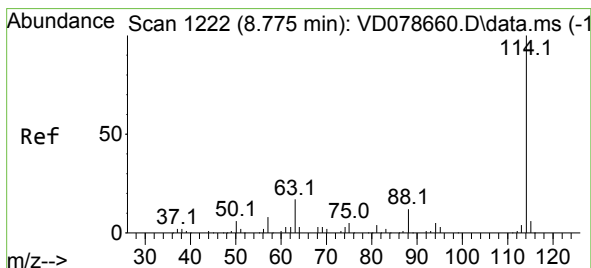
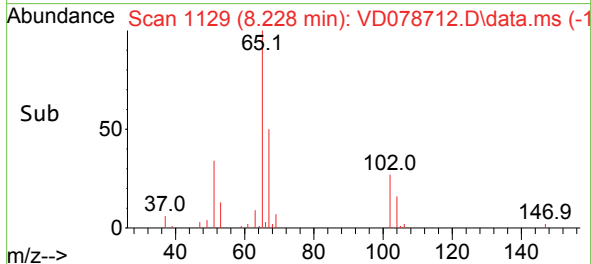
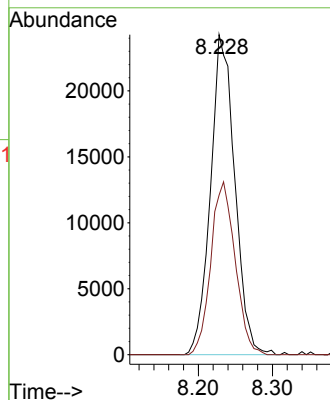
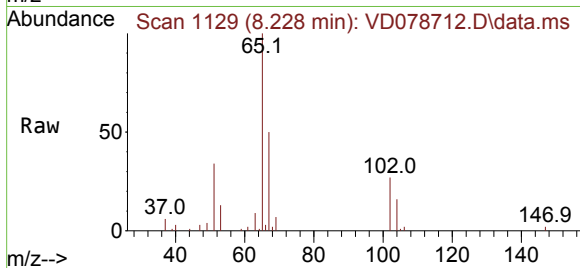
ClientSampleId :

Tgt Ion: 65 Resp: 55203

Ion Ratio Lower Upper

65 100

67 54.1 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD078712.D

Acq: 20 Mar 2024 10:34

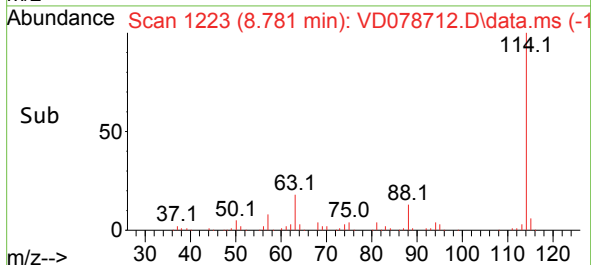
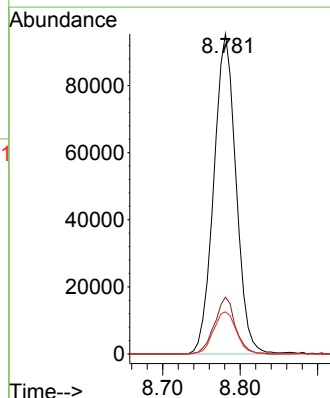
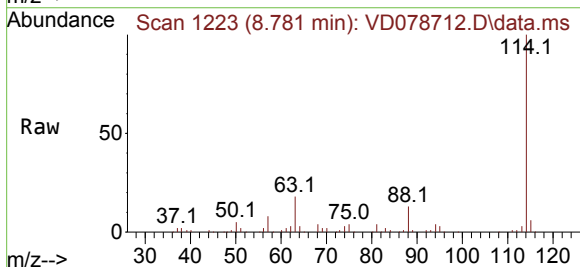
Tgt Ion:114 Resp: 189934

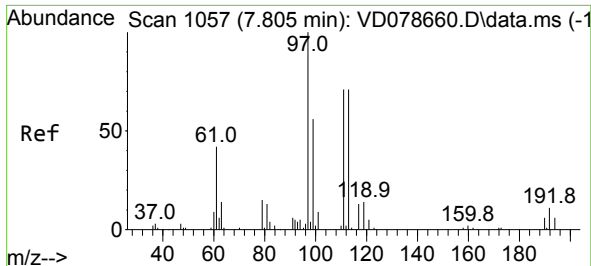
Ion Ratio Lower Upper

114 100

63 17.8 0.0 33.4

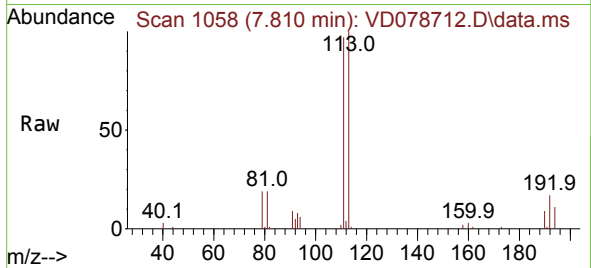
88 13.2 0.0 24.6



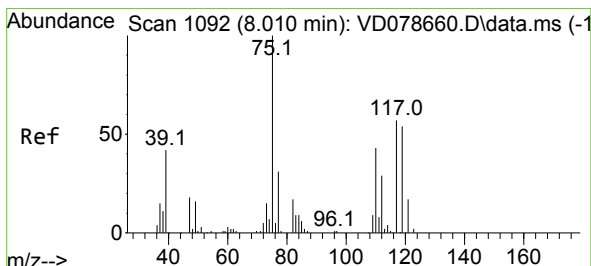
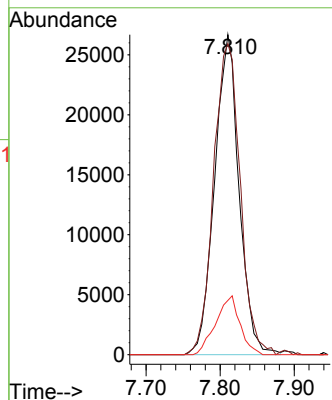
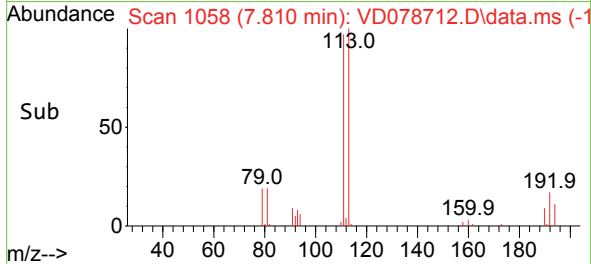


#35
Dibromofluoromethane
Concen: 50.024 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD078712.D
Acq: 20 Mar 2024 10:34

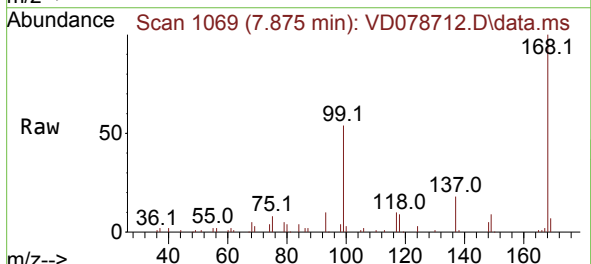
Instrument :
MSVOA_D
ClientSampleId :



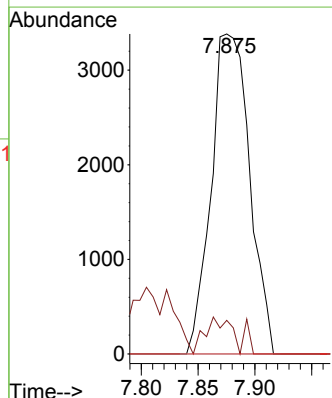
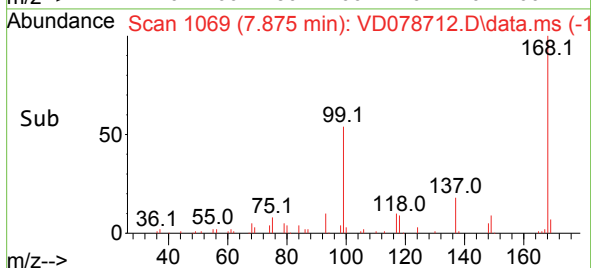
Tgt Ion:113 Resp: 61174
Ion Ratio Lower Upper
113 100
111 105.5 81.9 122.9
192 18.2 15.4 23.0

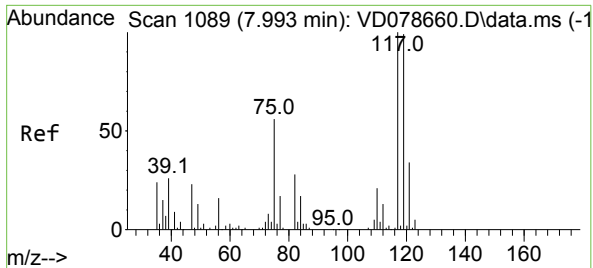


#36
1,1-Dichloropropene
Concen: 4.491 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD078712.D
Acq: 20 Mar 2024 10:34



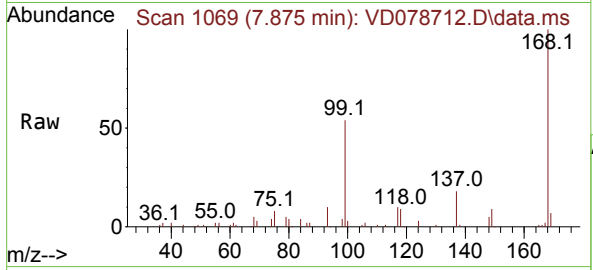
Tgt Ion: 75 Resp: 7969
Ion Ratio Lower Upper
75 100
110 7.7 19.1 57.1#
77 0.0 25.4 38.2#



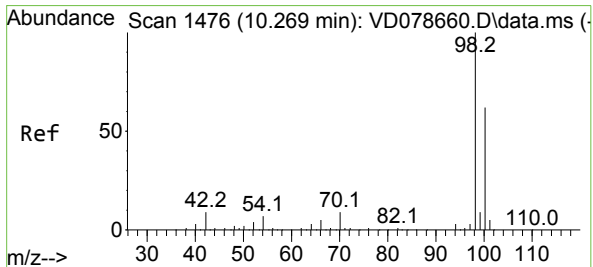
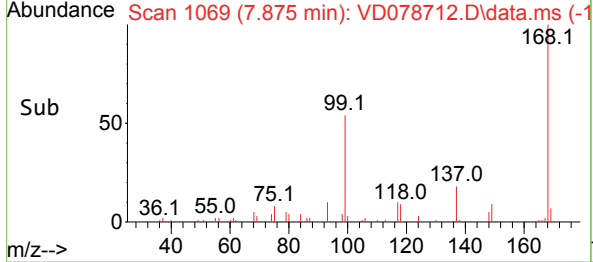
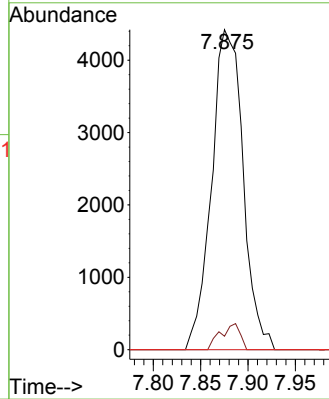


#38
Carbon Tetrachloride
Concen: 5.466 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD078712.D
Acq: 20 Mar 2024 10:34

Instrument :
MSVOA_D
ClientSampleId :

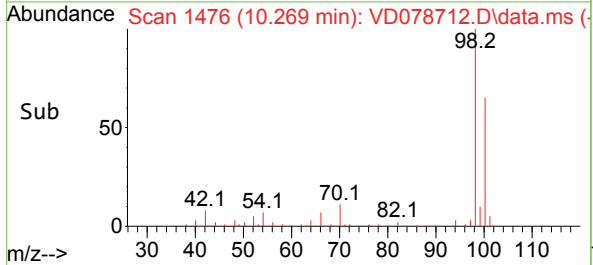
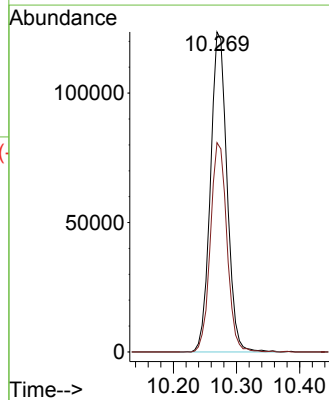
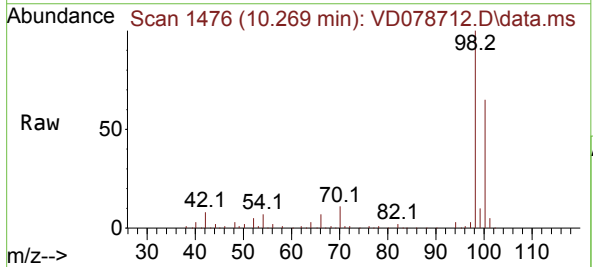


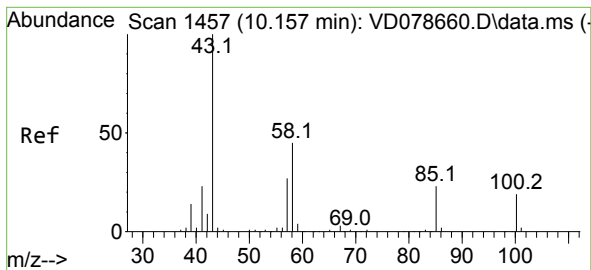
Tgt Ion:117 Resp: 10225
Ion Ratio Lower Upper
117 100
119 4.2 79.2 118.8#
121 0.0 26.8 40.2#



#50
Toluene-d8
Concen: 49.996 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078712.D
Acq: 20 Mar 2024 10:34

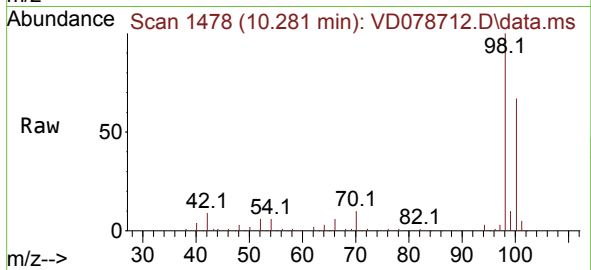
Tgt Ion: 98 Resp: 224853
Ion Ratio Lower Upper
98 100
100 65.2 50.5 75.7



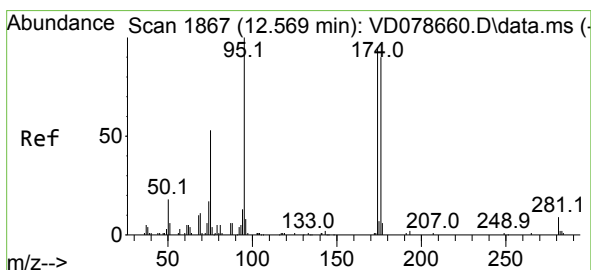
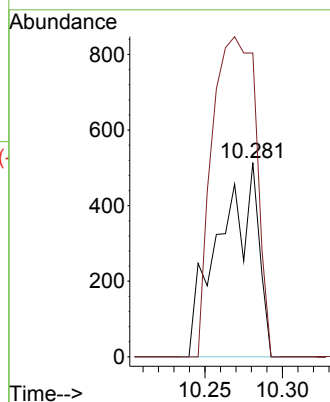
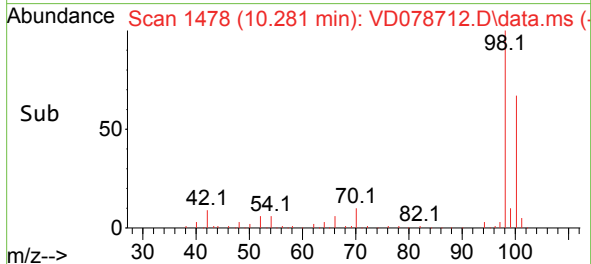


#51
4-Methyl-2-Pentanone
Concen: 1.619 ug/l
RT: 10.281 min Scan# 1457
Delta R.T. 0.124 min
Lab File: VD078712.D
Acq: 20 Mar 2024 10:34

Instrument :
MSVOA_D
ClientSampleId :

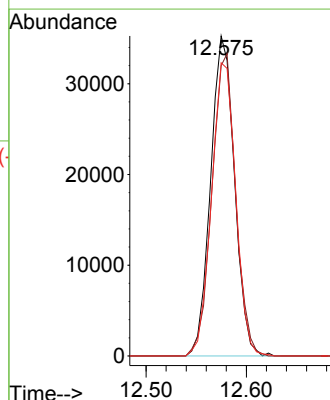
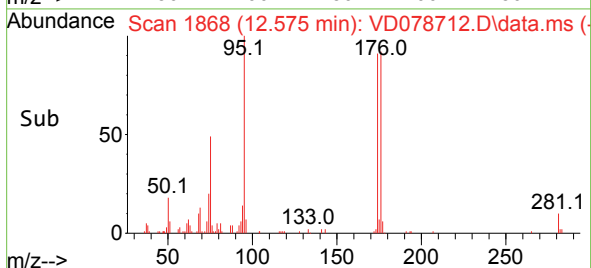
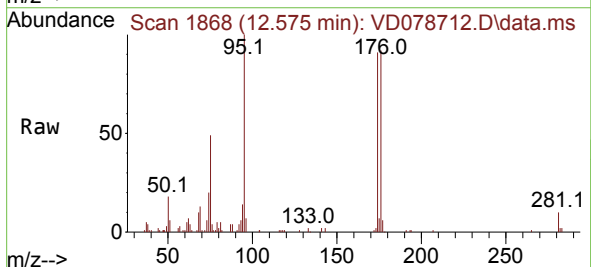


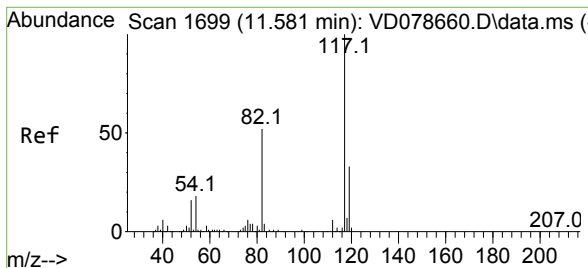
Tgt Ion: 43 Resp: 892
Ion Ratio Lower Upper
43 100
58 186.1 36.4 54.6#



#62
4-Bromofluorobenzene
Concen: 44.217 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD078712.D
Acq: 20 Mar 2024 10:34

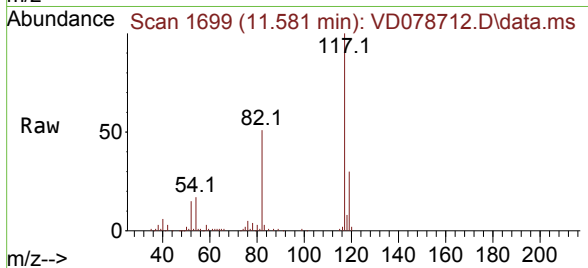
Tgt Ion: 95 Resp: 58178
Ion Ratio Lower Upper
95 100
174 93.9 0.0 195.2
176 93.0 0.0 188.2



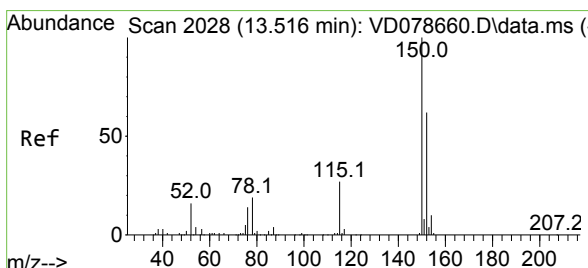
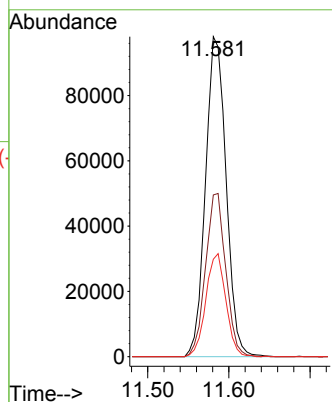
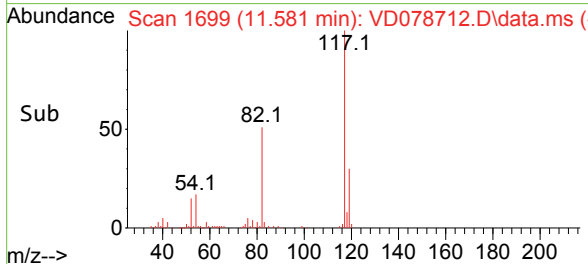


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD078712.D
Acq: 20 Mar 2024 10:34

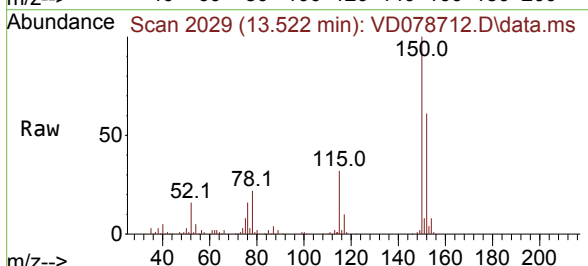
Instrument :
MSVOA_D
ClientSampleId :



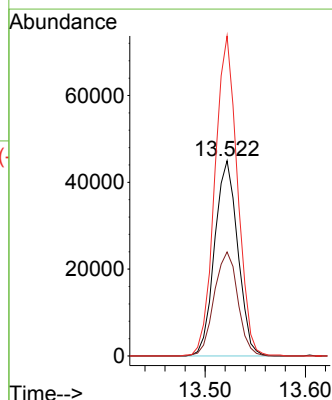
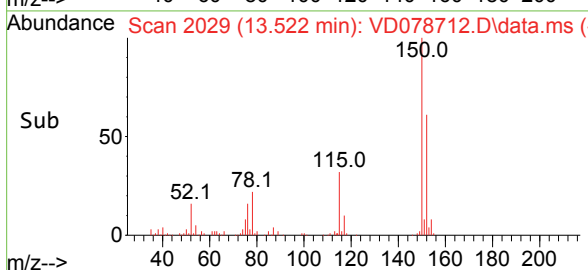
Tgt Ion:117 Resp: 172650
Ion Ratio Lower Upper
117 100
82 50.6 41.4 62.2
119 30.5 26.5 39.7

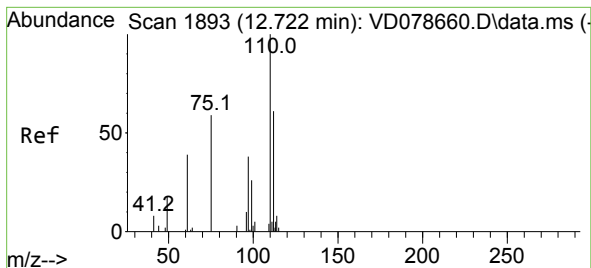


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD078712.D
Acq: 20 Mar 2024 10:34



Tgt Ion:152 Resp: 72173
Ion Ratio Lower Upper
152 100
115 54.4 27.1 81.2
150 160.1 0.0 350.2





#76

1,2,3-Trichloropropane

Concen: 53.713 ug/l

RT: 12.581 min Scan# 1869

Delta R.T. -0.141 min

Lab File: VD078712.D

Acq: 20 Mar 2024 10:34

Instrument :

MSVOA_D

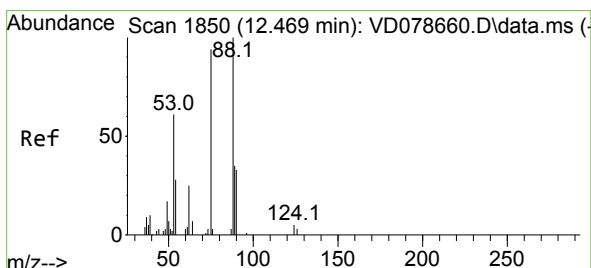
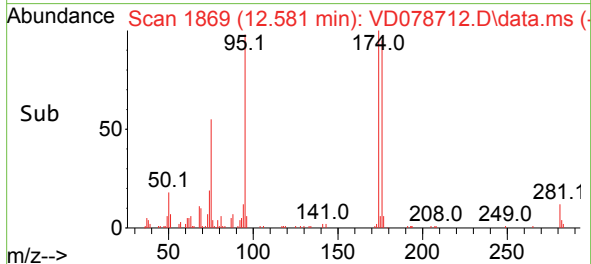
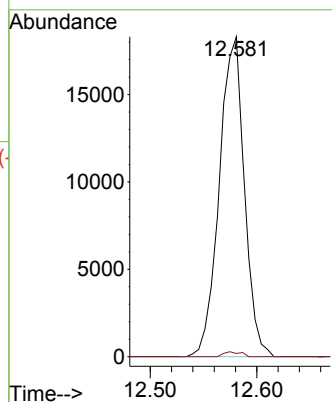
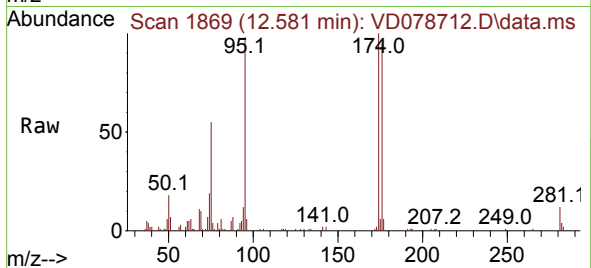
ClientSampleId :

Tgt Ion: 75 Resp: 29867

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 112.591 ug/l

RT: 12.581 min Scan# 1869

Delta R.T. 0.112 min

Lab File: VD078712.D

Acq: 20 Mar 2024 10:34

Tgt Ion: 75 Resp: 29867

Ion Ratio Lower Upper

75 100

53 0.0 61.0 91.6#

89 0.0 35.4 53.0#

