

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032124\
 Data File : VD078721.D
 Acq On : 21 Mar 2024 10:43
 Operator : RP/MD
 Sample : VD0321SBL01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 22 06:54:07 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)

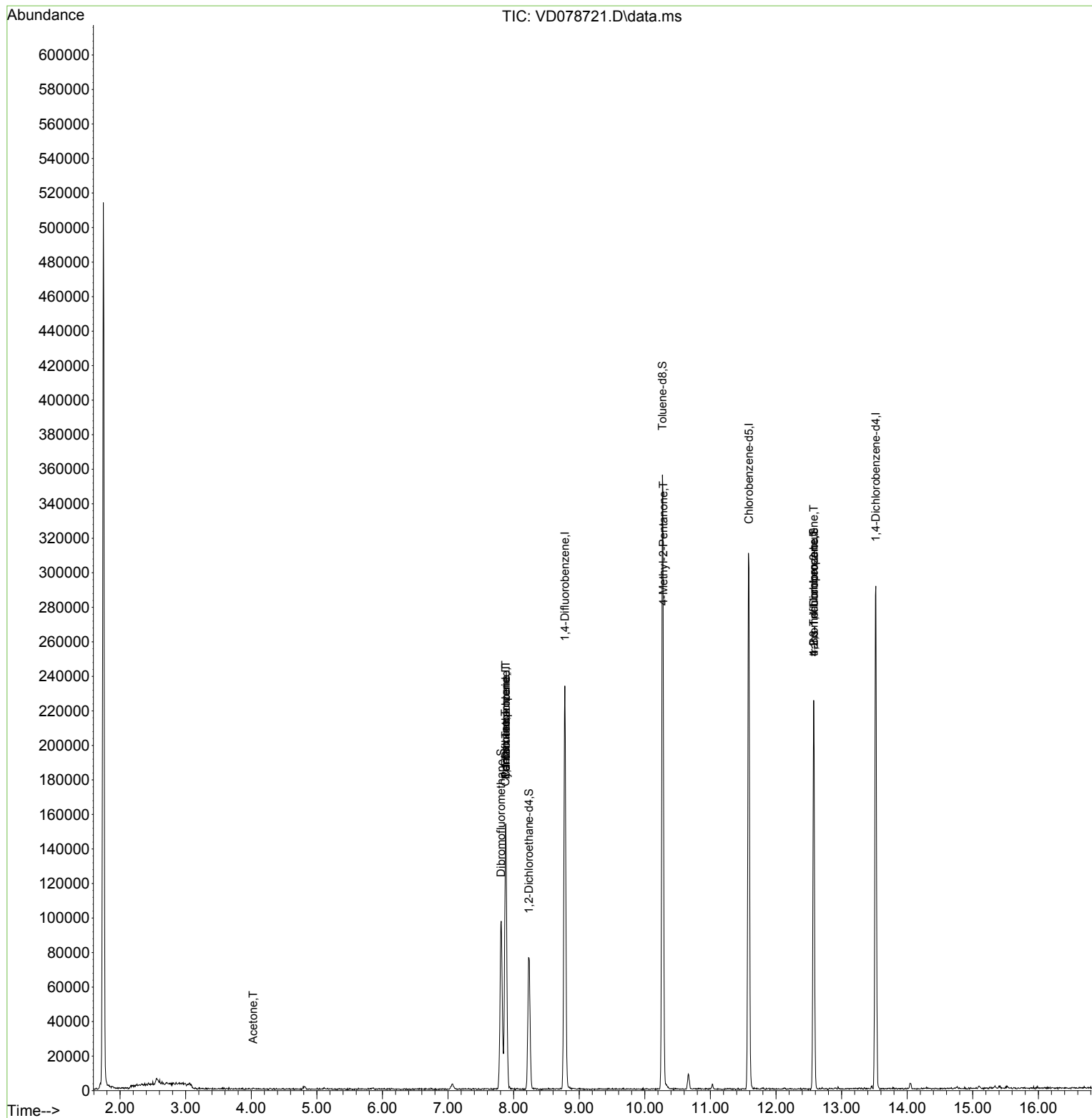
Internal Standards						
1) Pentafluorobenzene	7.881	168	122717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	220601	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	196001	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	81601	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	59458	51.700	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.400%	
35) Dibromofluoromethane	7.810	113	70737	49.803	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.600%	
50) Toluene-d8	10.269	98	257962	49.384	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.760%	
62) 4-Bromofluorobenzene	12.575	95	66724	43.662	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 87.320%	
Target Compounds						
					Qvalue	
16) Acetone	4.028	43	405	1.821	ug/l #	39
20) Methylene Chloride	4.805	84	1430	Below Cal	#	85
31) Cyclohexane	7.875	56	2777	1.437	ug/l #	30
36) 1,1-Dichloropropene	7.881	75	9489	4.605	ug/l #	49
38) Carbon Tetrachloride	7.881	117	12126	5.581	ug/l #	14
51) 4-Methyl-2-Pentanone	10.281	43	972	1.519	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	32979	52.457	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	32979	109.958	ug/l #	19

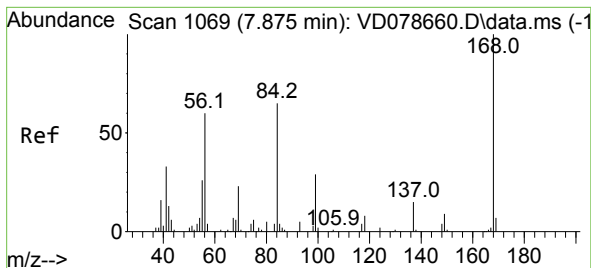
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Mar 22 06:54:07 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD078721.D

Acq: 21 Mar 2024 10:43

Instrument :

MSVOA_D

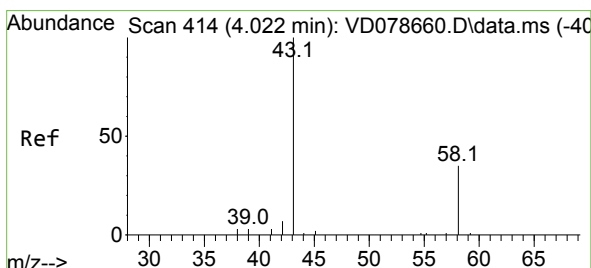
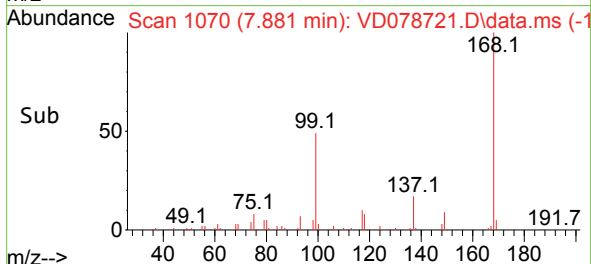
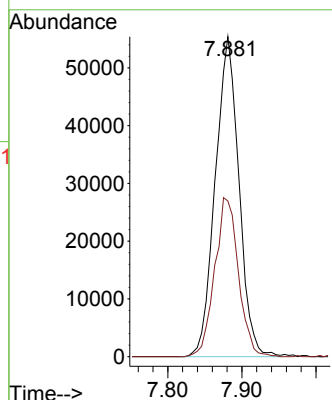
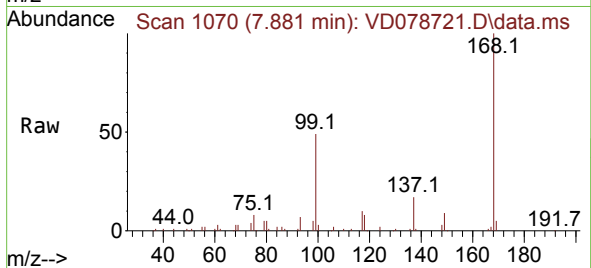
ClientSampleId :

Tgt Ion:168 Resp: 122717

Ion Ratio Lower Upper

168 100

99 48.7 38.8 58.2



#16

Acetone

Concen: 1.821 ug/l

RT: 4.028 min Scan# 415

Delta R.T. 0.006 min

Lab File: VD078721.D

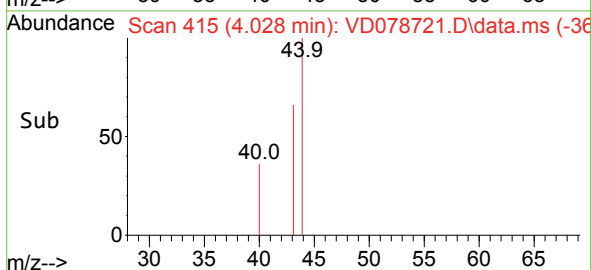
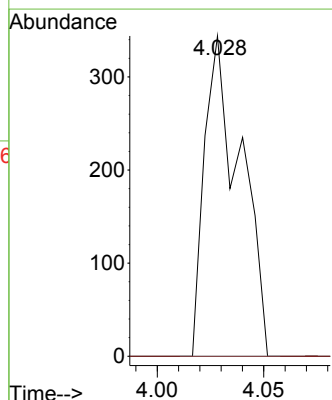
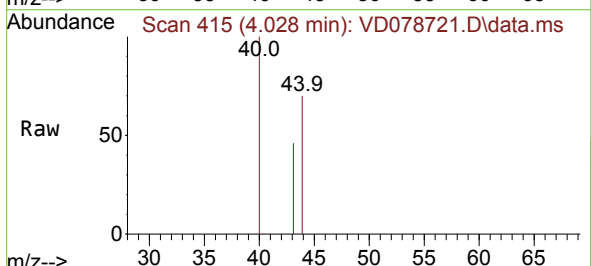
Acq: 21 Mar 2024 10:43

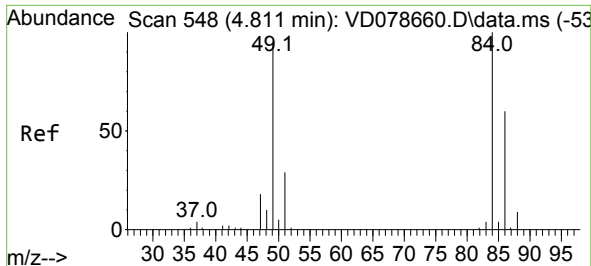
Tgt Ion: 43 Resp: 405

Ion Ratio Lower Upper

43 100

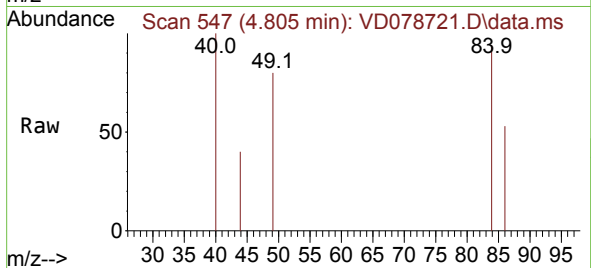
58 0.0 28.2 42.4#



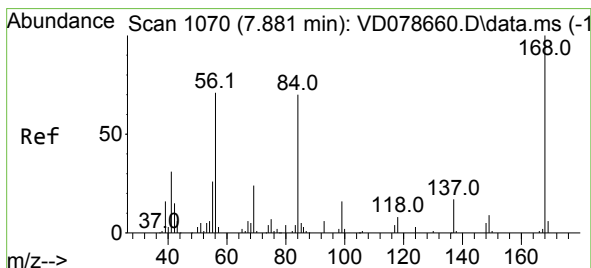
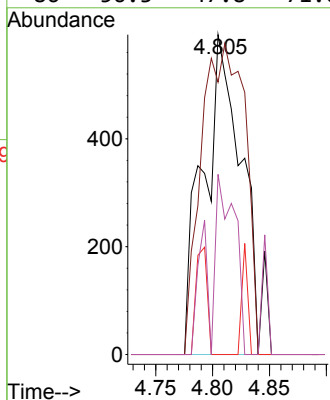
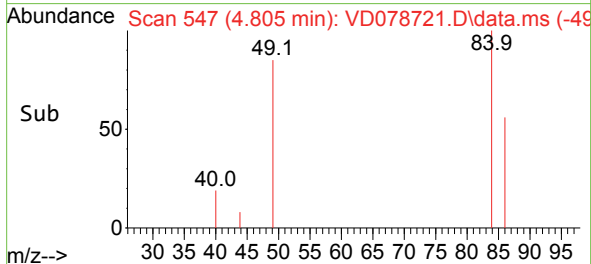


#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 54
Delta R.T. -0.006 min
Lab File: VD078721.D
Acq: 21 Mar 2024 10:43

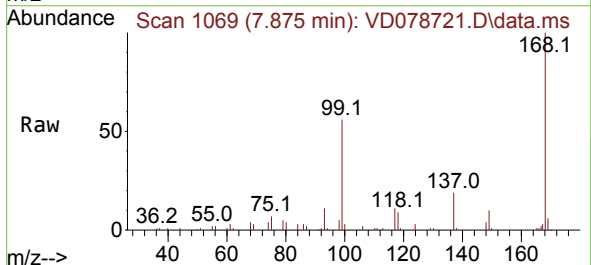
Instrument :
MSVOA_D
ClientSampleId :



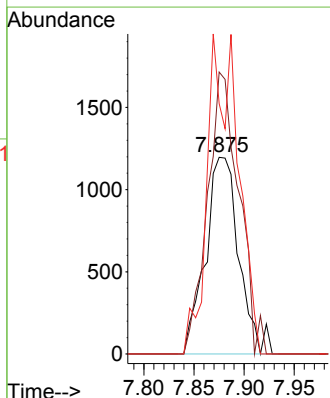
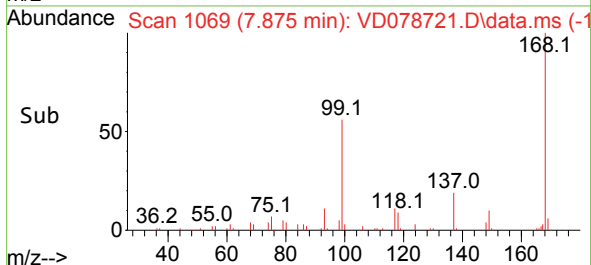
Tgt Ion: 84 Resp: 1430
Ion Ratio Lower Upper
84 100
49 85.2 75.6 113.4
51 0.0 23.4 35.0#
86 56.3 47.8 71.6

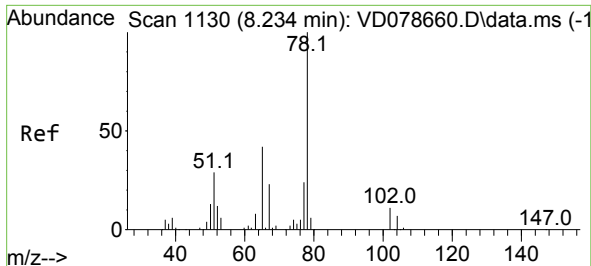


#31
Cyclohexane
Concen: 1.437 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078721.D
Acq: 21 Mar 2024 10:43



Tgt Ion: 56 Resp: 2777
Ion Ratio Lower Upper
56 100
69 143.3 26.6 40.0#
84 127.3 79.4 119.2#





#33

1,2-Dichloroethane-d4

Concen: 51.700 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD078721.D

Acq: 21 Mar 2024 10:43

Instrument :

MSVOA_D

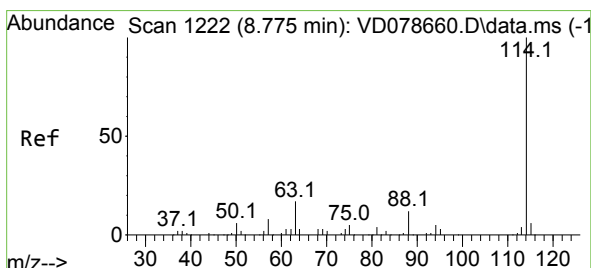
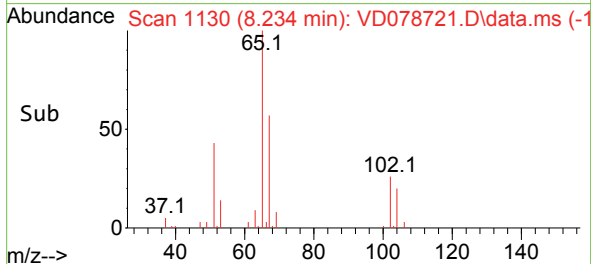
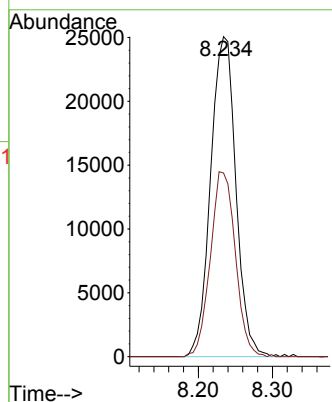
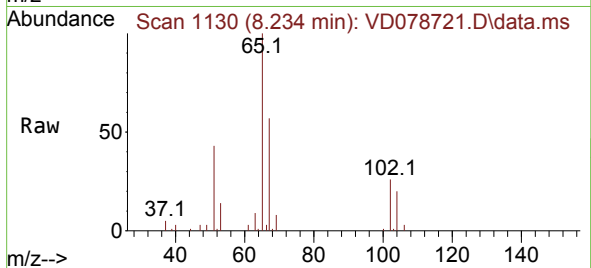
ClientSampleId :

Tgt Ion: 65 Resp: 59458

Ion Ratio Lower Upper

65 100

67 57.1 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: VD078721.D

Acq: 21 Mar 2024 10:43

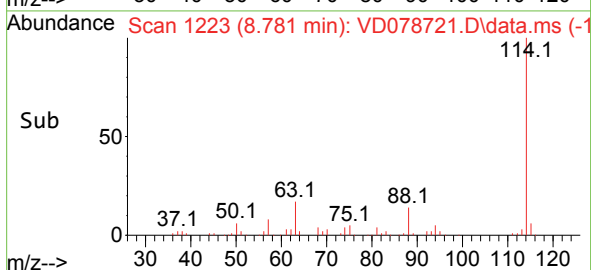
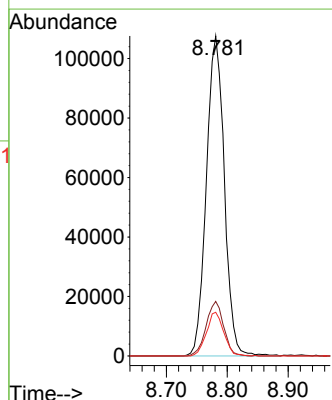
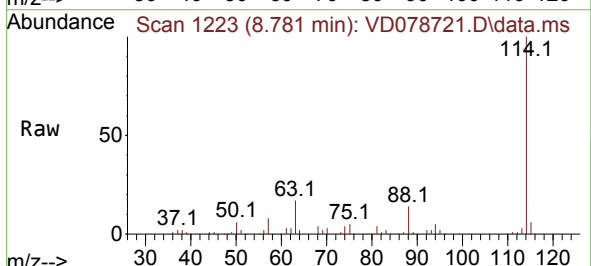
Tgt Ion: 114 Resp: 220601

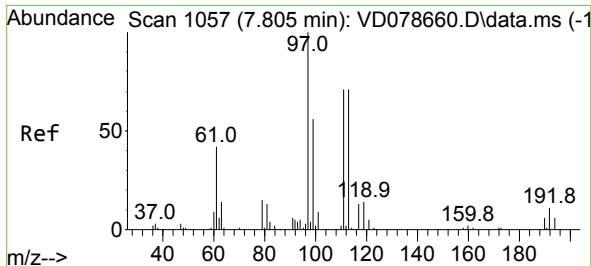
Ion Ratio Lower Upper

114 100

63 17.0 0.0 33.4

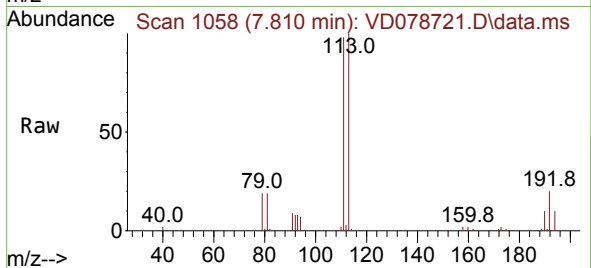
88 13.6 0.0 24.6



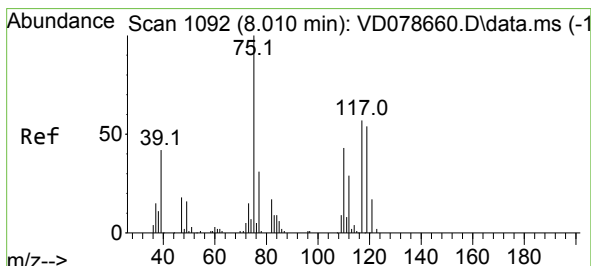
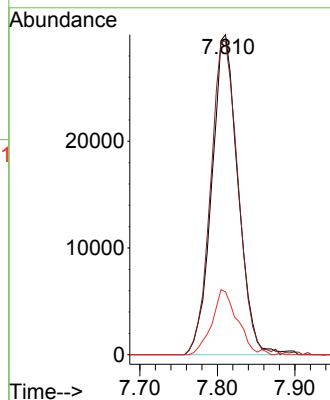
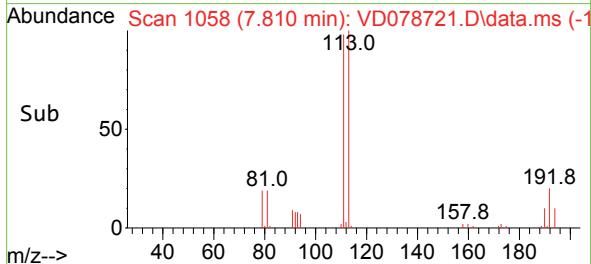


#35
Dibromofluoromethane
Concen: 49.803 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD078721.D
Acq: 21 Mar 2024 10:43

Instrument :
MSVOA_D
ClientSampleId :

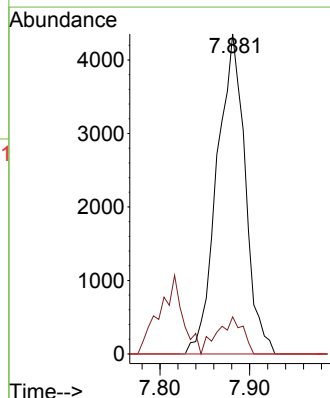
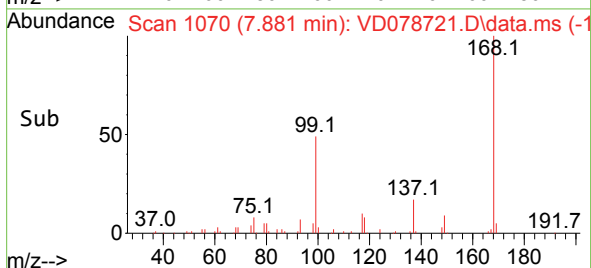
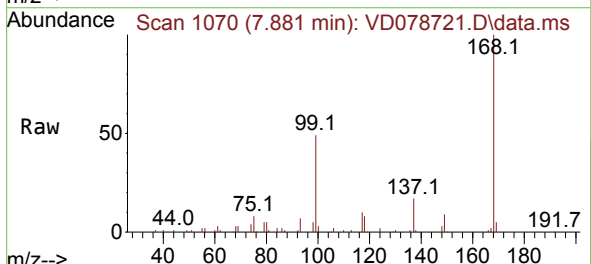


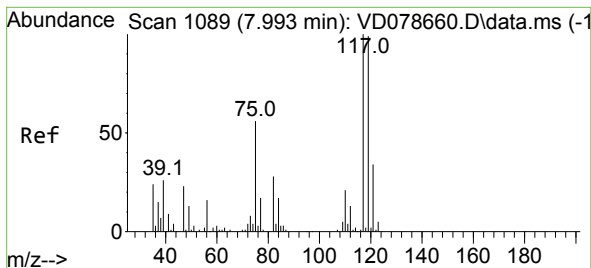
Tgt Ion:113 Resp: 70737
Ion Ratio Lower Upper
113 100
111 102.4 81.9 122.9
192 19.8 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.605 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.129 min
Lab File: VD078721.D
Acq: 21 Mar 2024 10:43

Tgt Ion: 75 Resp: 9489
Ion Ratio Lower Upper
75 100
110 10.4 19.1 57.1#
77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 5.581 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

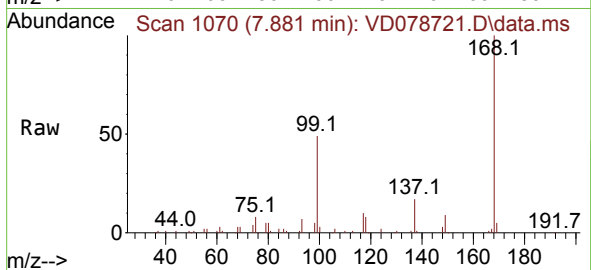
Lab File: VD078721.D

Acq: 21 Mar 2024 10:43

Instrument :

MSVOA_D

ClientSampleId :



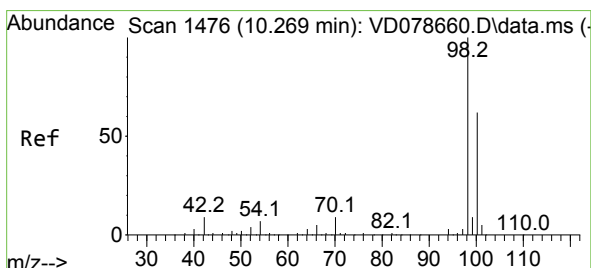
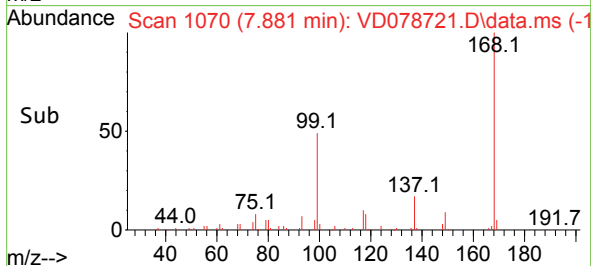
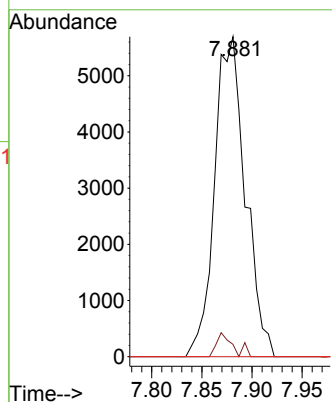
Tgt Ion:117 Resp: 12126

Ion Ratio Lower Upper

117 100

119 3.8 79.2 118.8#

121 0.0 26.8 40.2#



#50

Toluene-d8

Concen: 49.384 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078721.D

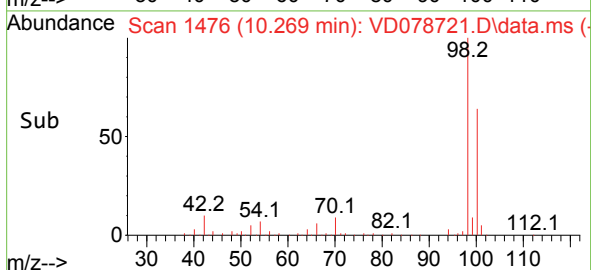
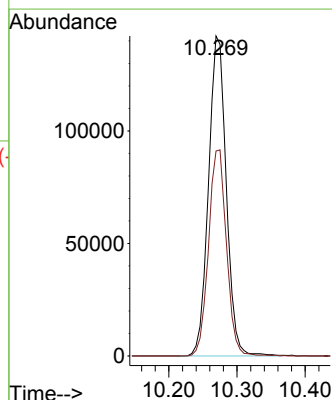
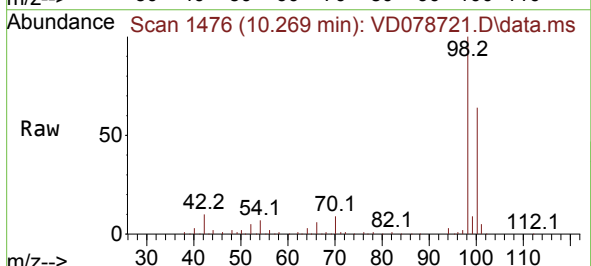
Acq: 21 Mar 2024 10:43

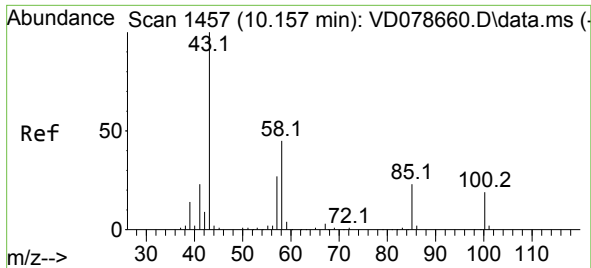
Tgt Ion: 98 Resp: 257962

Ion Ratio Lower Upper

98 100

100 65.0 50.5 75.7





#51

4-Methyl-2-Pentanone

Concen: 1.519 ug/l

RT: 10.281 min Scan# 1457

Delta R.T. 0.124 min

Lab File: VD078721.D

Acq: 21 Mar 2024 10:43

Instrument :

MSVOA_D

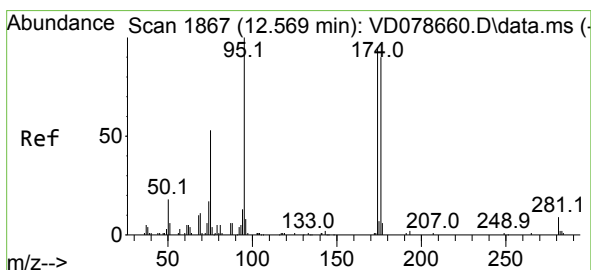
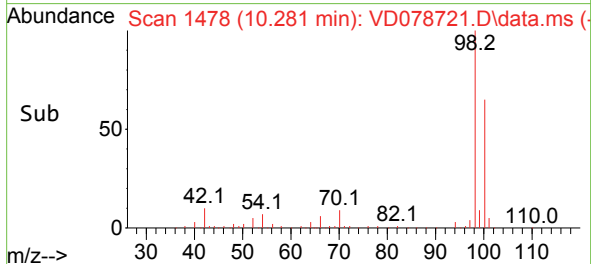
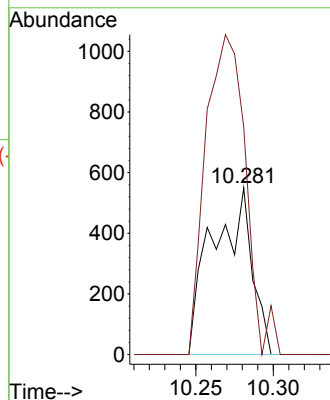
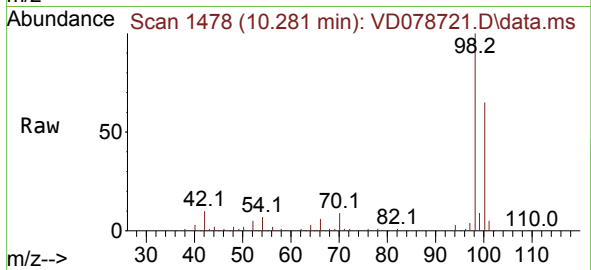
ClientSampleId :

Tgt Ion: 43 Resp: 972

Ion Ratio Lower Upper

43 100

58 193.6 36.4 54.6#



#62

4-Bromofluorobenzene

Concen: 43.662 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.006 min

Lab File: VD078721.D

Acq: 21 Mar 2024 10:43

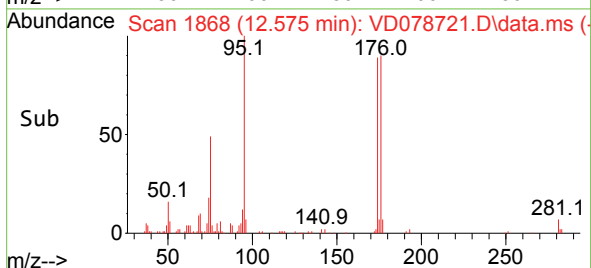
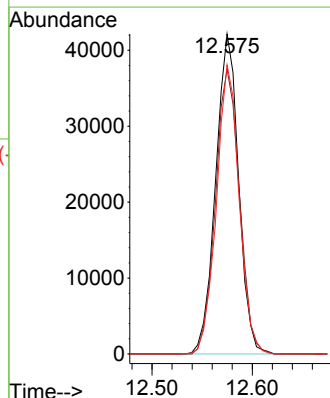
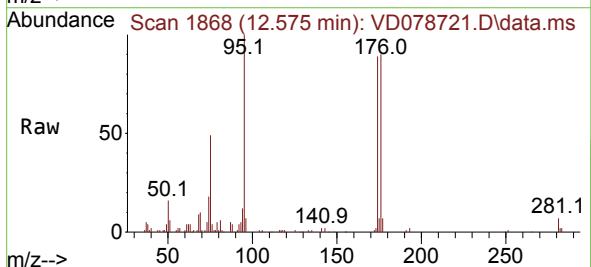
Tgt Ion: 95 Resp: 66724

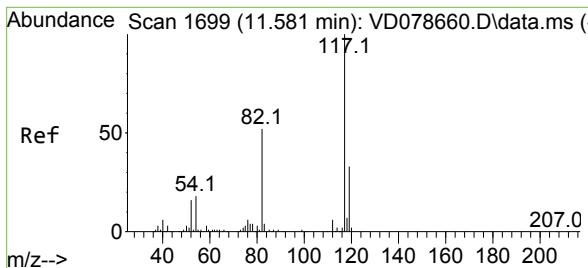
Ion Ratio Lower Upper

95 100

174 93.0 0.0 195.2

176 89.6 0.0 188.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.587 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD078721.D

Acq: 21 Mar 2024 10:43

Instrument :

MSVOA_D

ClientSampleId :

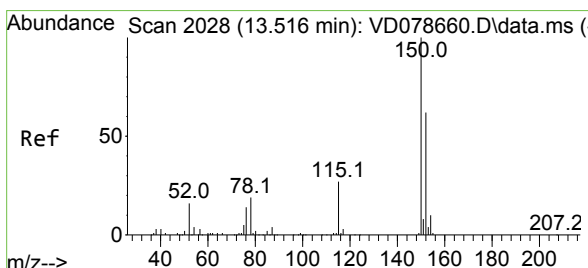
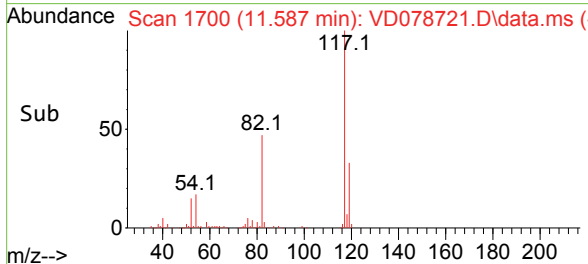
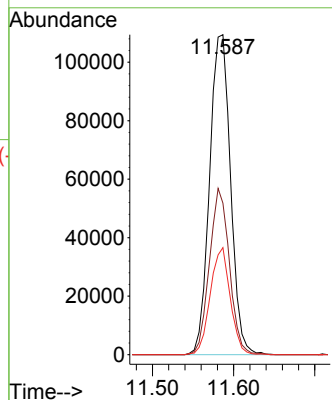
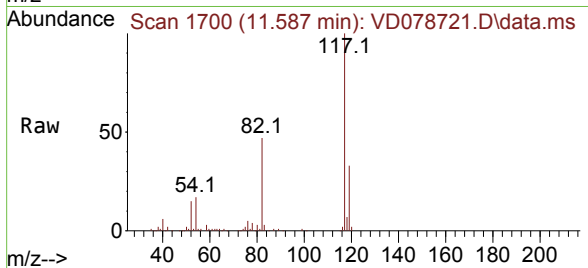
Tgt Ion:117 Resp: 196001

Ion Ratio Lower Upper

117 100

82 47.4 41.4 62.2

119 33.5 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: VD078721.D

Acq: 21 Mar 2024 10:43

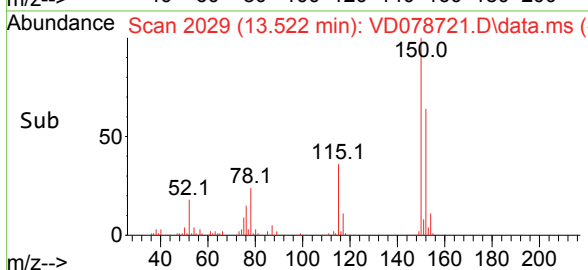
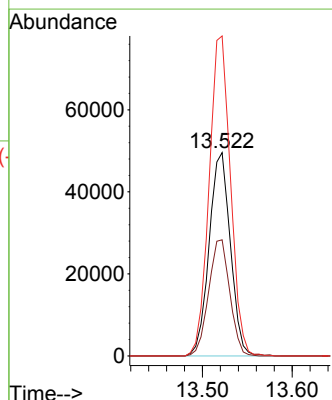
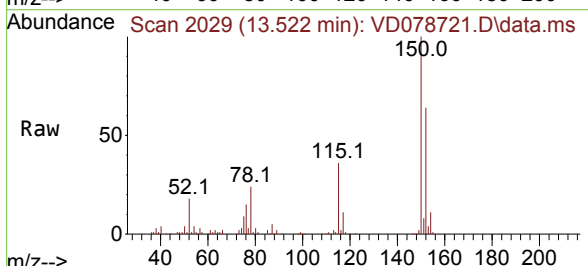
Tgt Ion:152 Resp: 81601

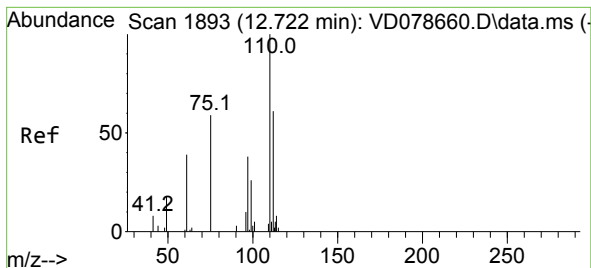
Ion Ratio Lower Upper

152 100

115 56.8 27.1 81.2

150 157.8 0.0 350.2

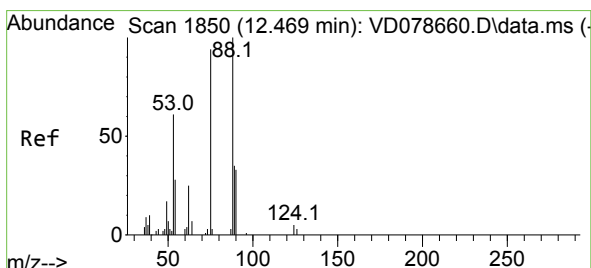
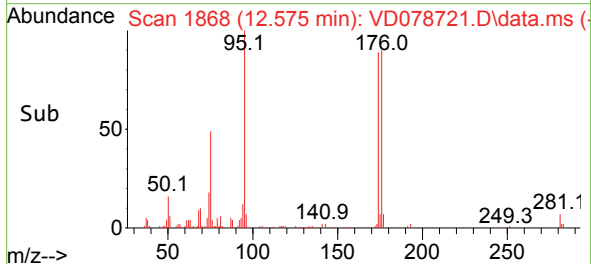
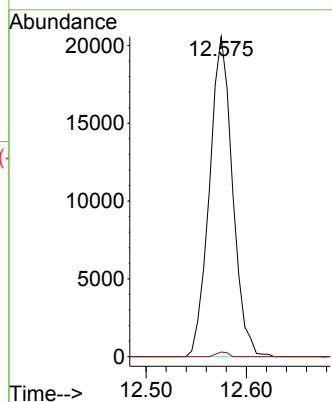
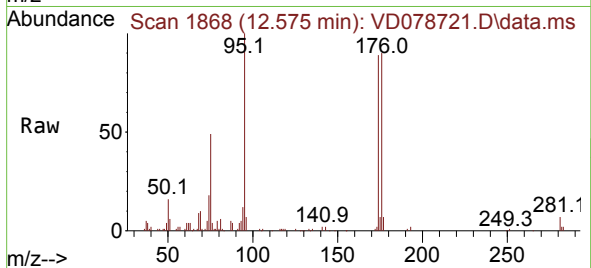




#76
1,2,3-Trichloropropane
Concen: 52.457 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD078721.D
Acq: 21 Mar 2024 10:43

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 32979
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 109.958 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078721.D
Acq: 21 Mar 2024 10:43

Tgt Ion: 75 Resp: 32979
Ion Ratio Lower Upper
75 100
53 0.0 61.0 91.6#
89 0.0 35.4 53.0#

