

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021023\
 Data File : VD075310.D
 Acq On : 10 Feb 2023 15:06
 Operator : KP/SY
 Sample : 01508-08
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 10 23:40:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 04:26:58 2023
 Response via : Initial Calibration

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

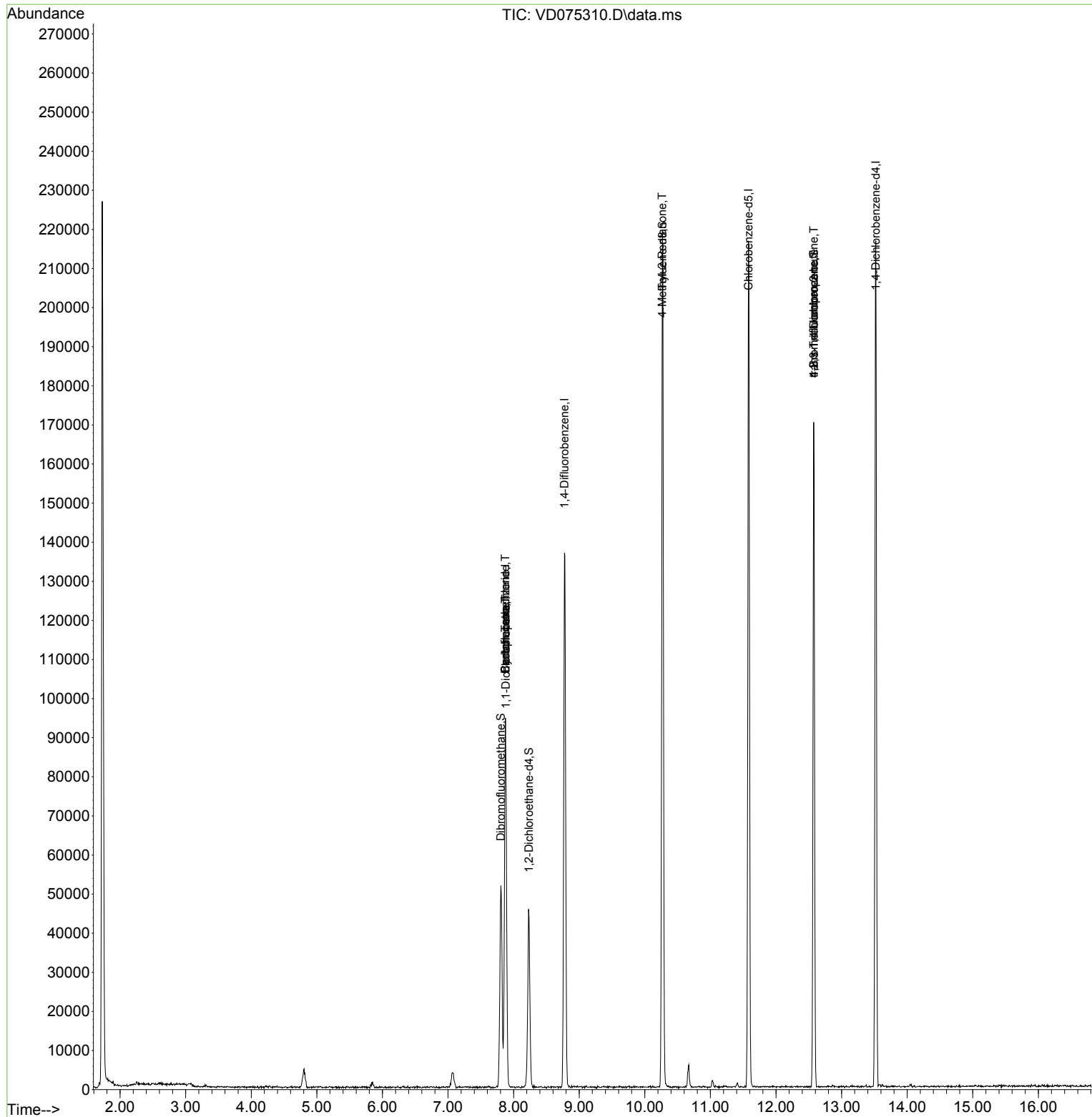
Internal Standards						
1) Pentafluorobenzene	7.875	168	70576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	117117	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	119340	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	55791	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	33294	40.231	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	80.460%
35) Dibromofluoromethane	7.805	113	36065	43.916	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.840%
50) Toluene-d8	10.269	98	146027	46.888	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.780%
62) 4-Bromofluorobenzene	12.575	95	49960	48.650	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.300%
Target Compounds						
					Qvalue	
3) Chloromethane	2.140	50	253	Below Cal	#	41
20) Methylene Chloride	4.793	84	2965	Below Cal	#	84
31) Cyclohexane	7.875	56	1856	1.263	ug/l #	47
36) 1,1-Dichloropropene	7.881	75	5918	4.626	ug/l #	48
38) Carbon Tetrachloride	7.875	117	7569	6.385	ug/l #	18
51) 4-Methyl-2-Pentanone	10.263	43	639	1.186	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	27756	43.800	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	27756	138.312	ug/l #	14

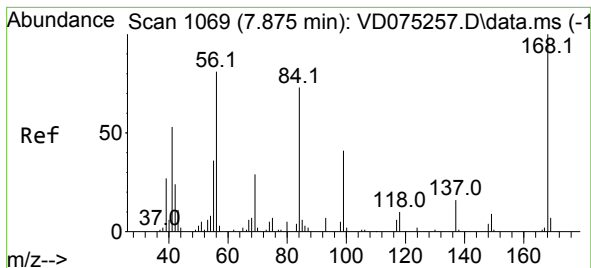
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD075310.D

Acq: 10 Feb 2023 15:06

Instrument :

MSVOA_D

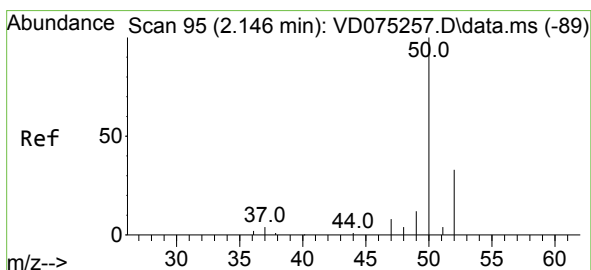
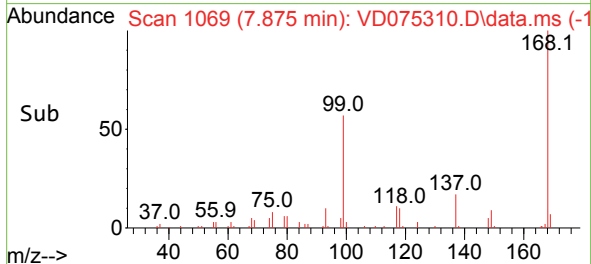
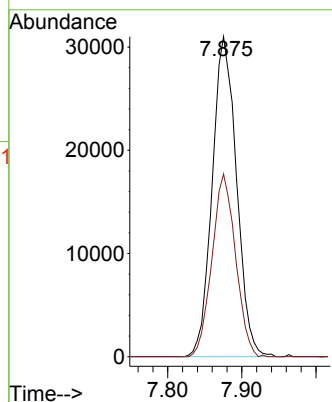
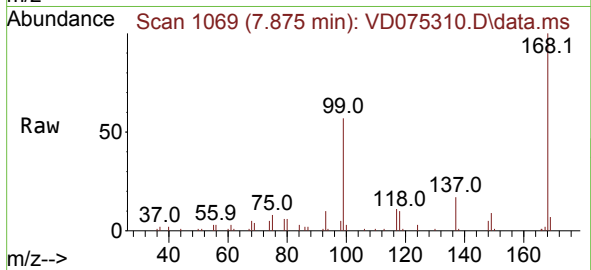
ClientSampleId :

Tgt Ion:168 Resp: 70576

Ion Ratio Lower Upper

168 100

99 57.1 45.2 67.8



#3

Chloromethane

Concen: Below Cal

RT: 2.140 min Scan# 94

Delta R.T. -0.006 min

Lab File: VD075310.D

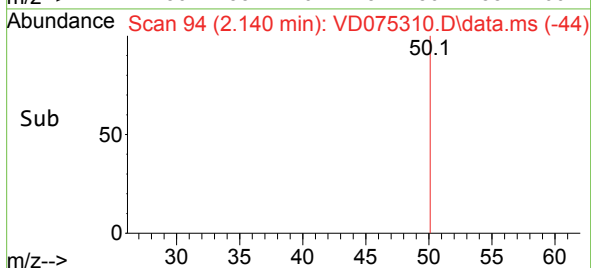
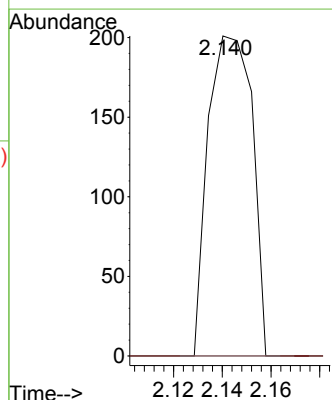
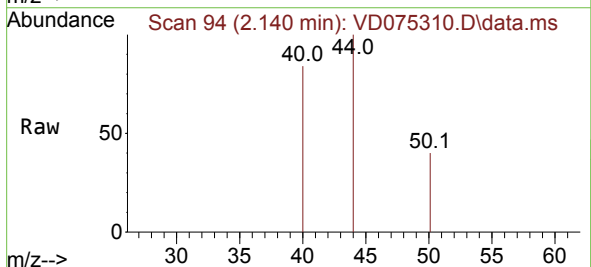
Acq: 10 Feb 2023 15:06

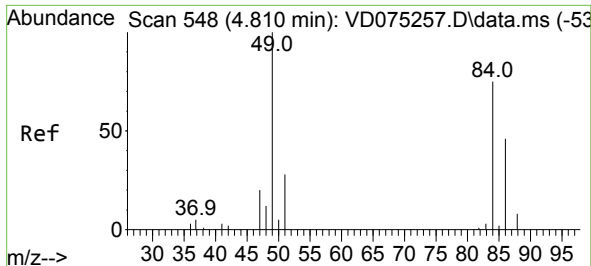
Tgt Ion: 50 Resp: 253

Ion Ratio Lower Upper

50 100

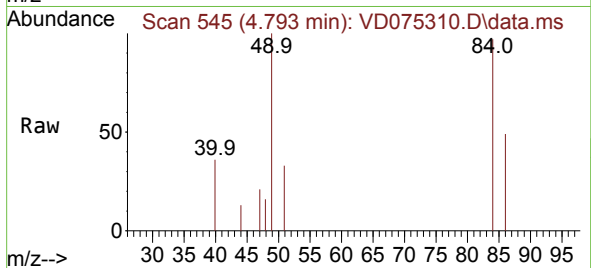
52 0.0 27.0 40.6#



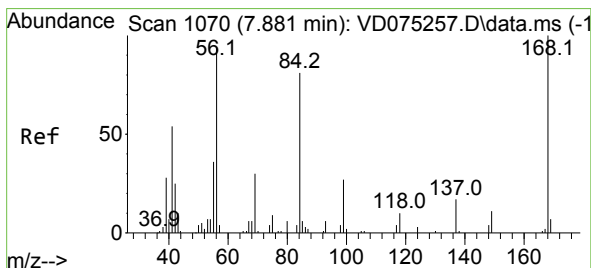
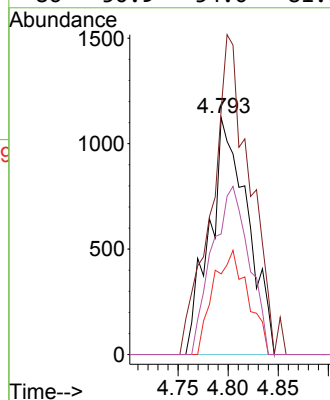
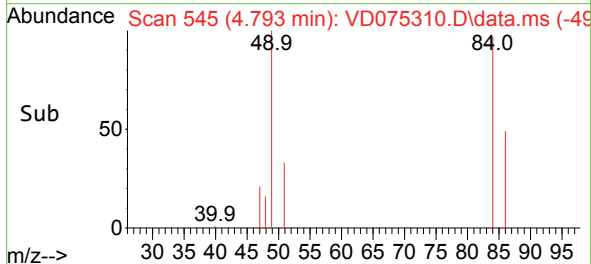


#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 54
Delta R.T. -0.017 min
Lab File: VD075310.D
Acq: 10 Feb 2023 15:06

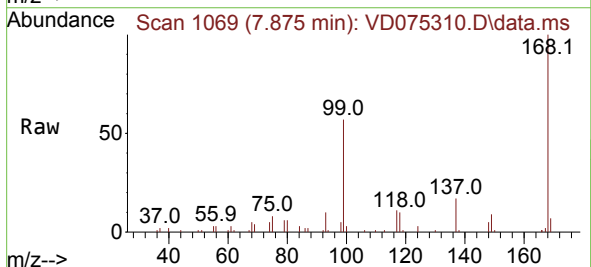
Instrument :
MSVOA_D
ClientSampleId :



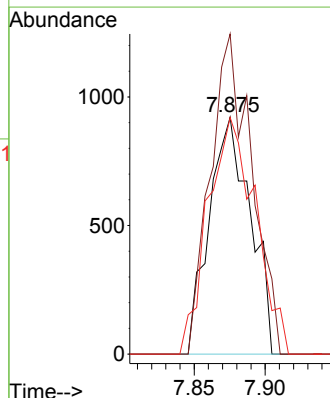
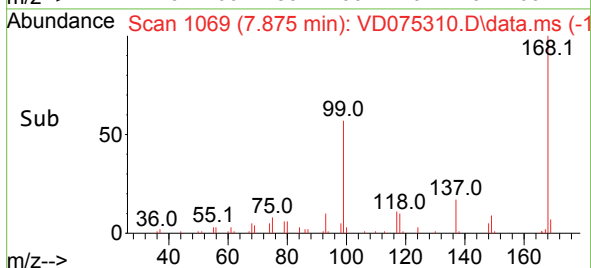
Tgt Ion: 84	Resp: 2965
Ion Ratio	Lower Upper
84 100	
49 103.1	97.0 145.6
51 34.1	30.9 46.3
86 50.9	54.0 81.0#

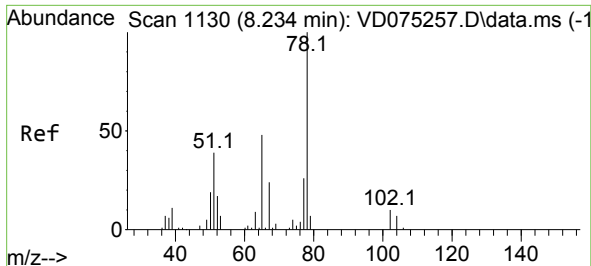


#31
Cyclohexane
Concen: 1.263 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD075310.D
Acq: 10 Feb 2023 15:06



Tgt Ion: 56	Resp: 1856
Ion Ratio	Lower Upper
56 100	
69 135.2	26.6 40.0#
84 99.9	74.1 111.1





#33

1,2-Dichloroethane-d4

Concen: 40.231 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD075310.D

Acq: 10 Feb 2023 15:06

Instrument :

MSVOA_D

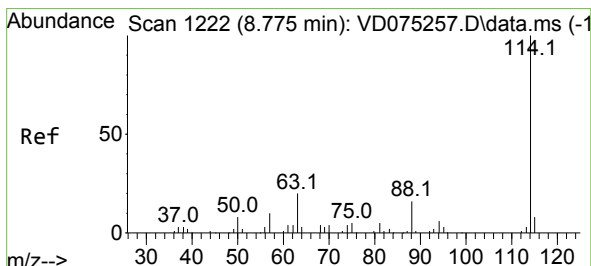
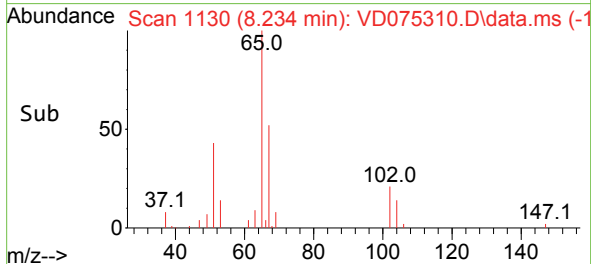
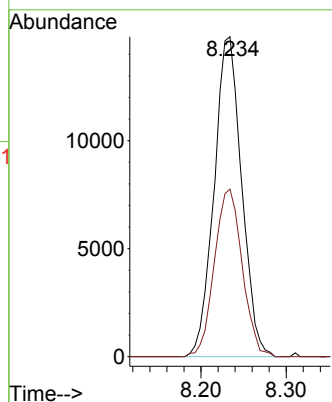
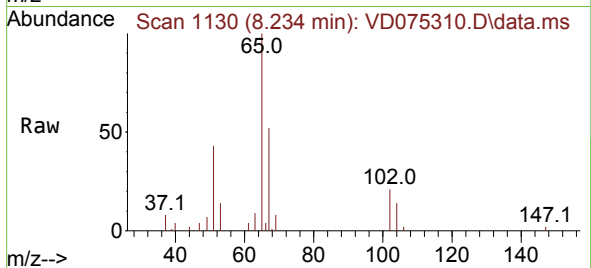
ClientSampleId :

Tgt Ion: 65 Resp: 33294

Ion Ratio Lower Upper

65 100

67 52.9 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD075310.D

Acq: 10 Feb 2023 15:06

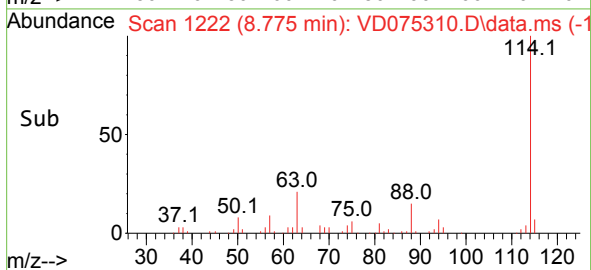
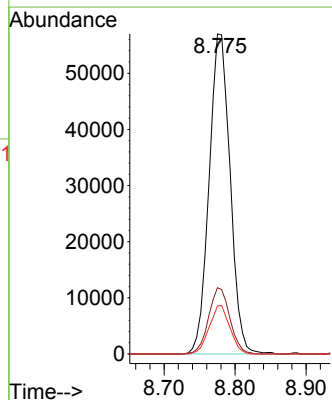
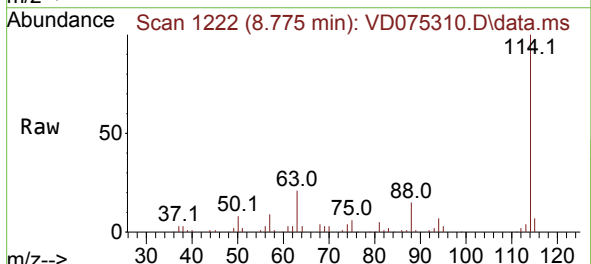
Tgt Ion: 114 Resp: 117117

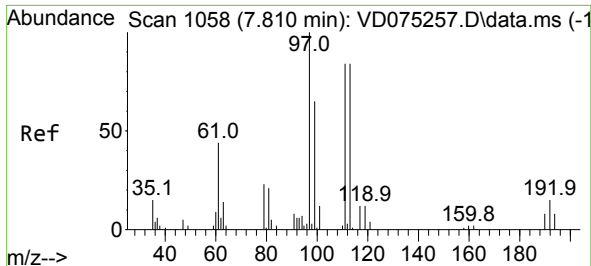
Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.2

88 15.0 0.0 32.2





#35

Dibromofluoromethane

Concen: 43.916 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.005 min

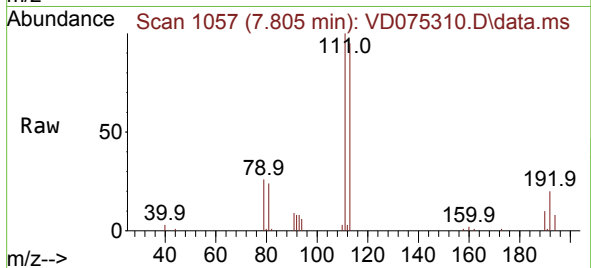
Lab File: VD075310.D

Acq: 10 Feb 2023 15:06

Instrument :

MSVOA_D

ClientSampleId :



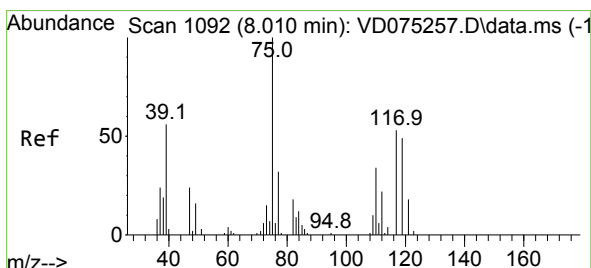
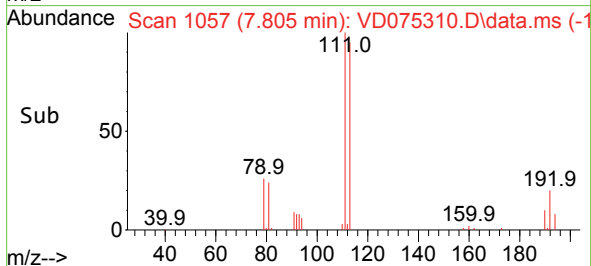
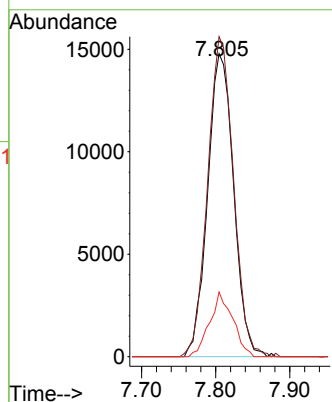
Tgt Ion:113 Resp: 36065

Ion Ratio Lower Upper

113 100

111 105.0 80.1 120.1

192 18.9 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.626 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.129 min

Lab File: VD075310.D

Acq: 10 Feb 2023 15:06

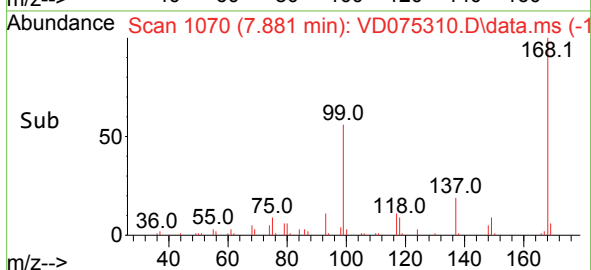
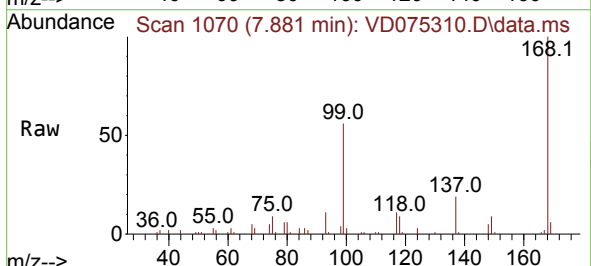
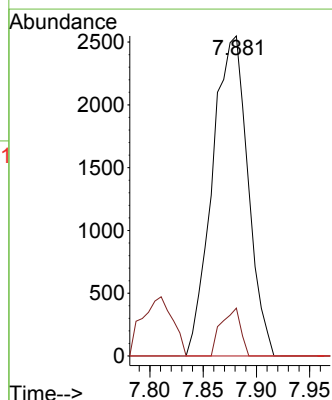
Tgt Ion: 75 Resp: 5918

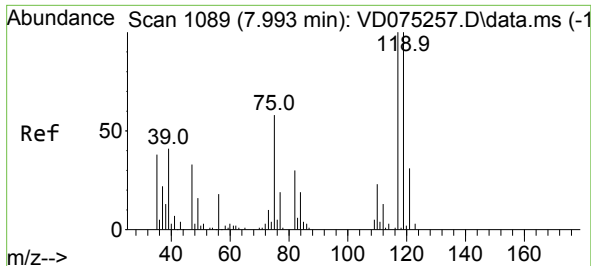
Ion Ratio Lower Upper

75 100

110 8.2 18.1 54.4#

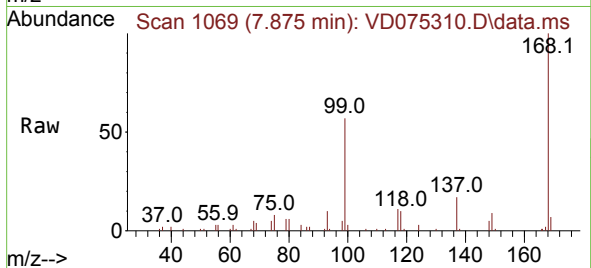
77 0.0 25.1 37.7#



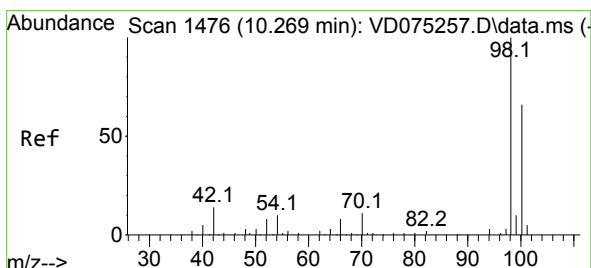
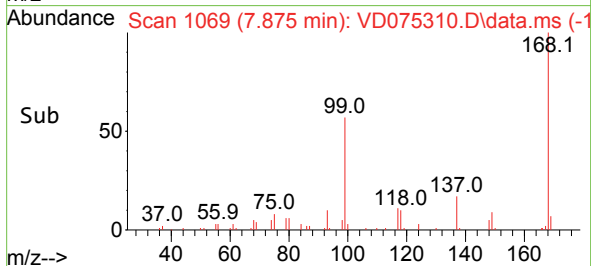
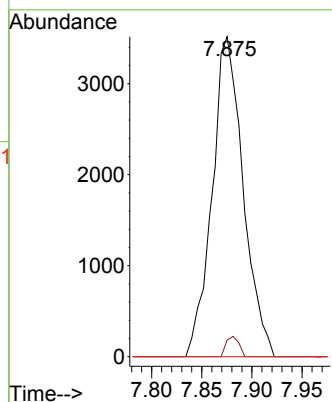


#38
Carbon Tetrachloride
Concen: 6.385 ug/l
RT: 7.875 min Scan# 1089
Delta R.T. -0.118 min
Lab File: VD075310.D
Acq: 10 Feb 2023 15:06

Instrument :
MSVOA_D
ClientSampleId :

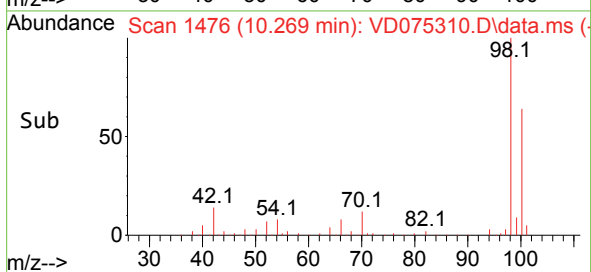
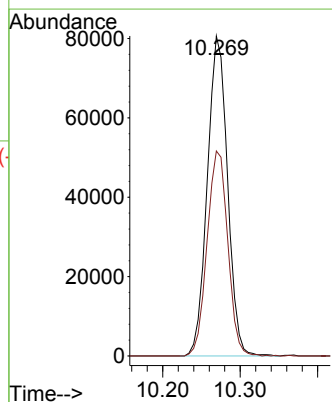
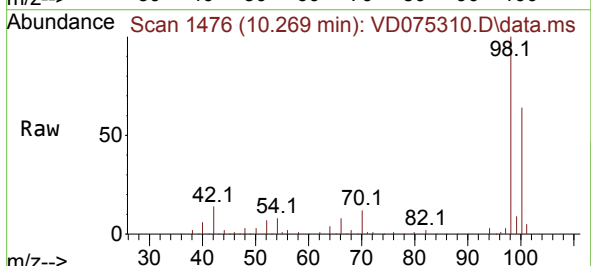


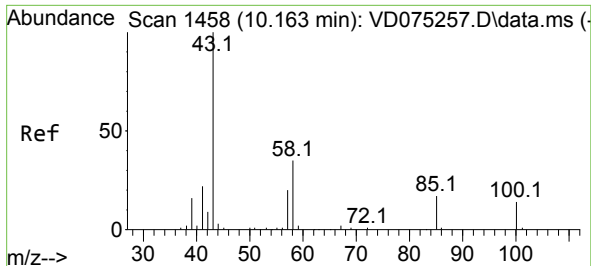
Tgt Ion:117 Resp: 7569
Ion Ratio Lower Upper
117 100
119 5.2 73.6 110.4#
121 0.0 25.4 38.0#



#50
Toluene-d8
Concen: 46.888 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075310.D
Acq: 10 Feb 2023 15:06

Tgt Ion: 98 Resp: 146027
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1

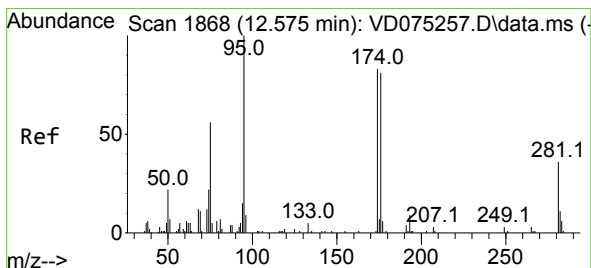
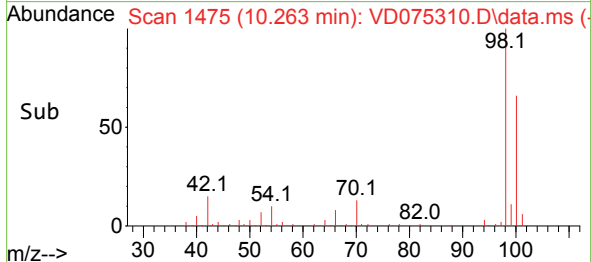
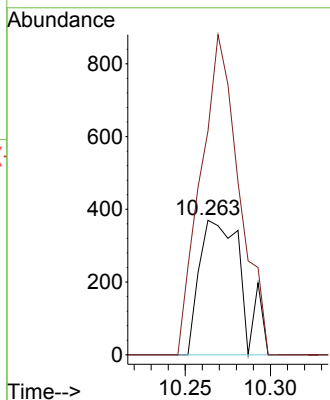
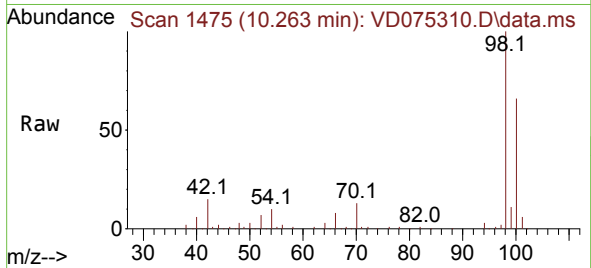




#51
 4-Methyl-2-Pentanone
 Concen: 1.186 ug/l
 RT: 10.263 min Scan# 1458
 Delta R.T. 0.100 min
 Lab File: VD075310.D
 Acq: 10 Feb 2023 15:06

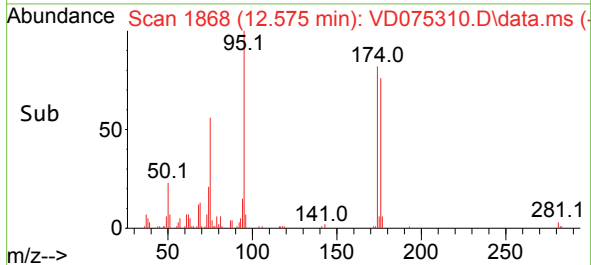
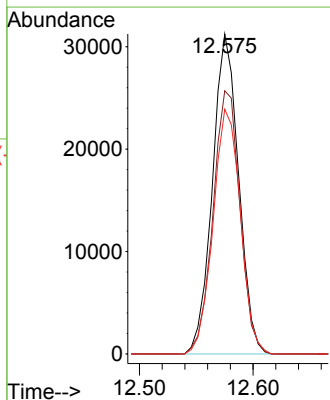
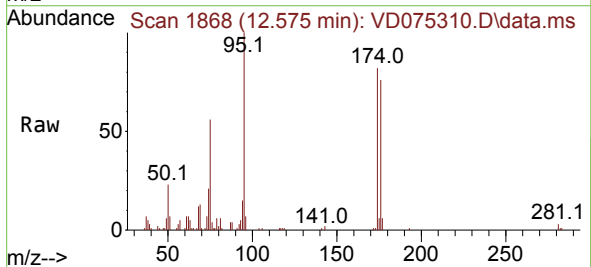
Instrument :
 MSVOA_D
 ClientSampleId :

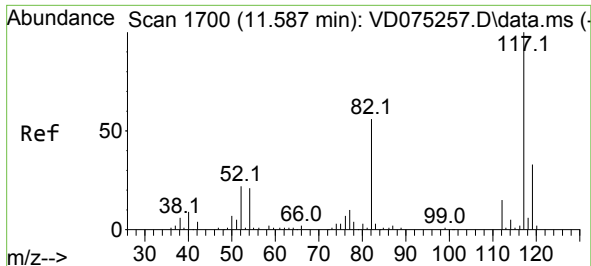
Tgt Ion: 43 Resp: 639
 Ion Ratio Lower Upper
 43 100
 58 216.1 31.4 47.0#



#62
 4-Bromofluorobenzene
 Concen: 48.650 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.000 min
 Lab File: VD075310.D
 Acq: 10 Feb 2023 15:06

Tgt Ion: 95 Resp: 49960
 Ion Ratio Lower Upper
 95 100
 174 84.7 0.0 161.2
 176 79.8 0.0 160.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD075310.D

Acq: 10 Feb 2023 15:06

Instrument :

MSVOA_D

ClientSampleId :

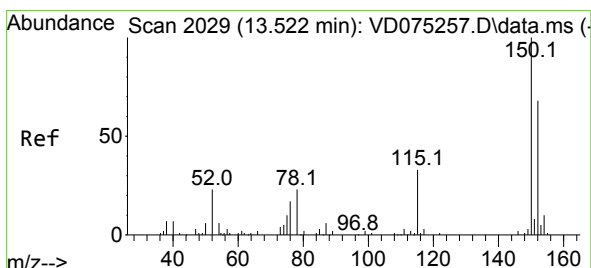
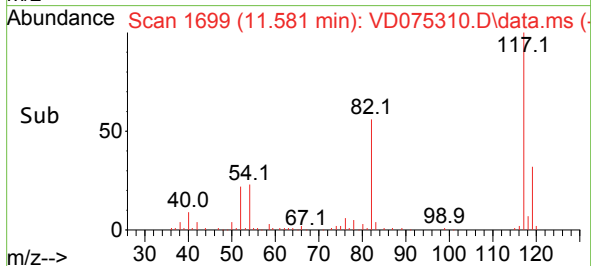
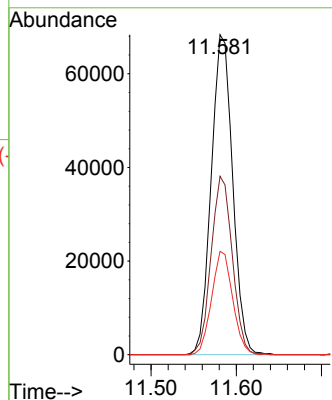
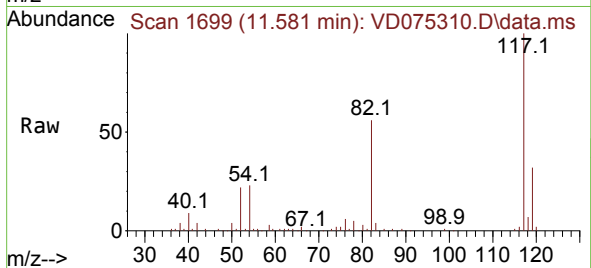
Tgt Ion:117 Resp: 119340

Ion Ratio Lower Upper

117 100

82 55.7 39.6 59.4

119 32.3 24.6 37.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. -0.000 min

Lab File: VD075310.D

Acq: 10 Feb 2023 15:06

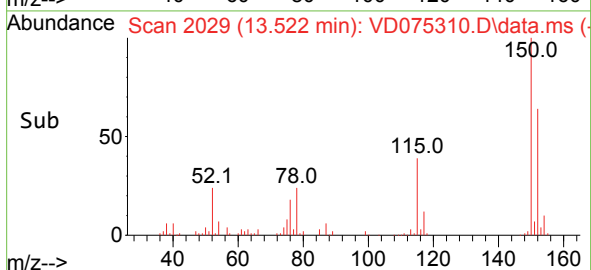
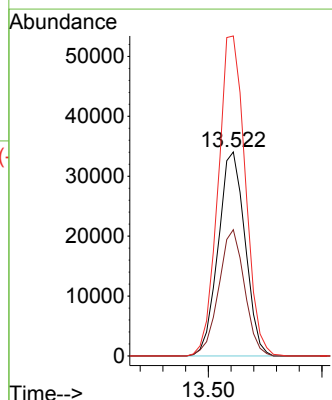
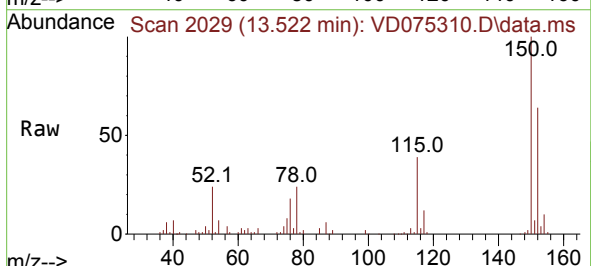
Tgt Ion:152 Resp: 55791

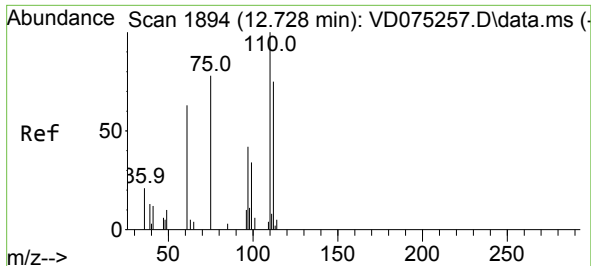
Ion Ratio Lower Upper

152 100

115 59.6 28.8 86.4

150 158.9 0.0 348.6

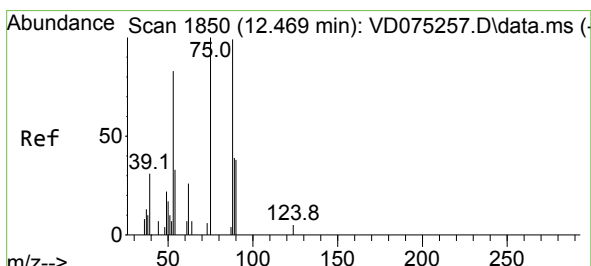
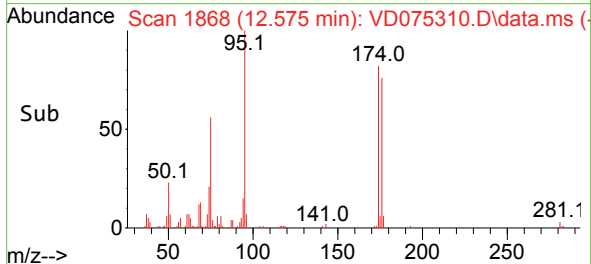
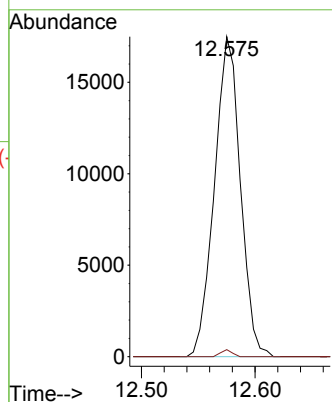
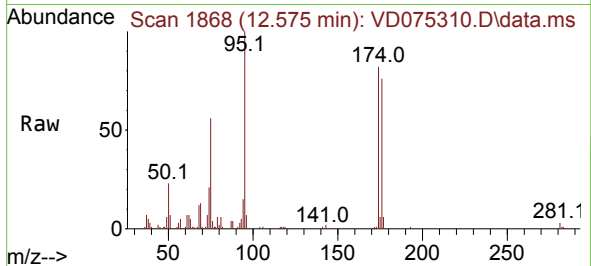




#76
1,2,3-Trichloropropane
Concen: 43.800 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD075310.D
Acq: 10 Feb 2023 15:06

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 27756
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 138.312 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD075310.D
Acq: 10 Feb 2023 15:06

Tgt Ion: 75 Resp: 27756
Ion Ratio Lower Upper
75 100
53 0.0 70.5 105.7#
89 0.0 34.6 52.0#

