

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072623\
 Data File : VD076809.D
 Acq On : 26 Jul 2023 16:46
 Operator : KP/SY
 Sample : 03769-04
 Misc : 5.06G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

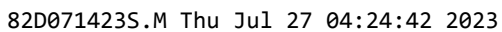
Quant Time: Jul 27 04:24:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

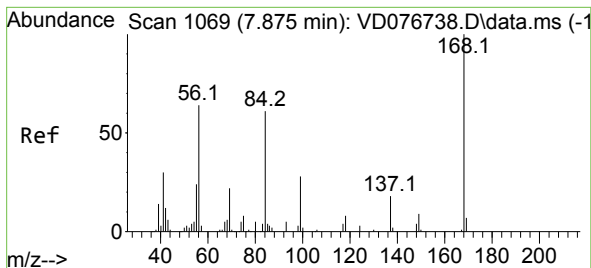
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.869	168	177222	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	362260	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	328759	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	137456	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	100326	56.836	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.680%	
35) Dibromofluoromethane	7.804	113	116648	51.241	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.480%	
50) Toluene-d8	10.269	98	434348	53.335	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.660%	
62) 4-Bromofluorobenzene	12.575	95	121305	46.044	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 92.080%	
Target Compounds						
					Qvalue	
16) Acetone	4.022	43	29227	69.330	ug/l #	78
17) Carbon Disulfide	4.269	76	6839	1.672	ug/l #	93
20) Methylene Chloride	4.787	84	13623	Below Cal	#	88
25) 2-Butanone	7.075	43	8909	15.790	ug/l #	57
31) Cyclohexane	7.869	56	3695	1.422	ug/l #	1
36) 1,1-Dichloropropene	7.881	75	14459	4.861	ug/l #	44
37) Ethyl Acetate	7.075	43	8909	6.697	ug/l #	84
38) Carbon Tetrachloride	7.881	117	18148	6.371	ug/l #	15
76) 1,2,3-Trichloropropane	12.569	75	62385	47.725	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	62385	101.570	ug/l #	17
89) n-Butylbenzene	13.781	91	15932	1.817	ug/l #	69
90) Hexachloroethane	14.063	117	19239	11.616	ug/l #	11
92) 1,2-Dibromo-3-Chloropr...	14.428	75	3650	11.955	ug/l #	1
95) Naphthalene	15.333	128	399510	72.441	ug/l	98

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

Quant Time: Jul 27 04:24:33 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
Quant Title : SW846 8260
QLast Update : Mon Jul 17 08:07:52 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.869 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD076809.D

Acq: 26 Jul 2023 16:46

Instrument :

MSVOA_D

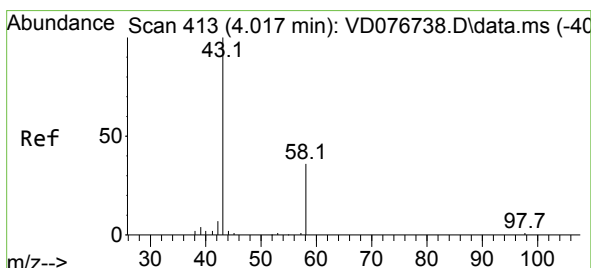
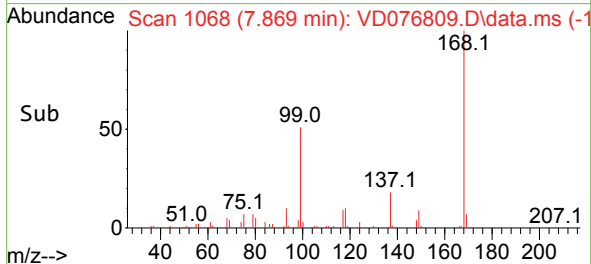
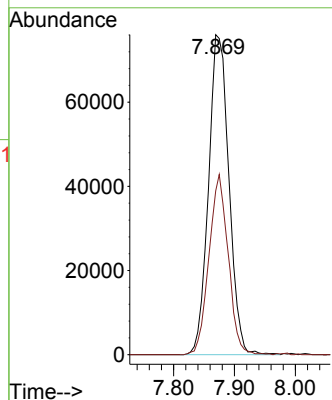
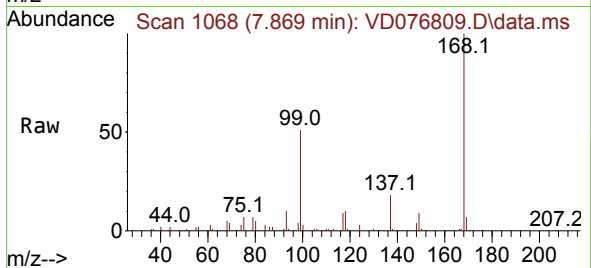
ClientSampleId :

Tgt Ion:168 Resp: 177222

Ion Ratio Lower Upper

168 100

99 51.2 36.7 55.1



#16

Acetone

Concen: 69.330 ug/l

RT: 4.022 min Scan# 414

Delta R.T. 0.005 min

Lab File: VD076809.D

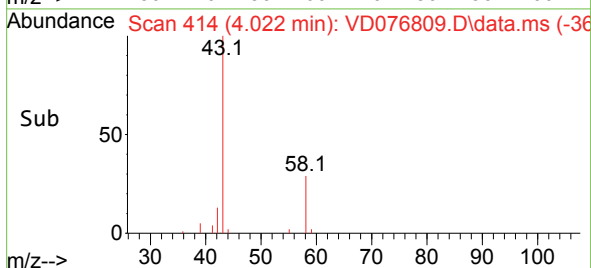
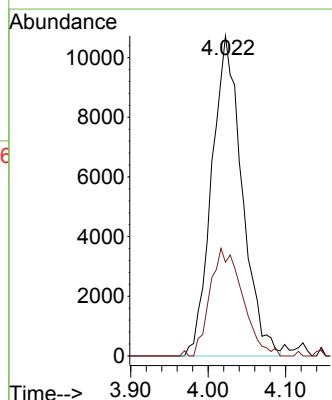
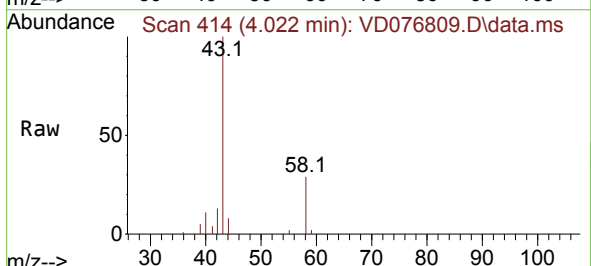
Acq: 26 Jul 2023 16:46

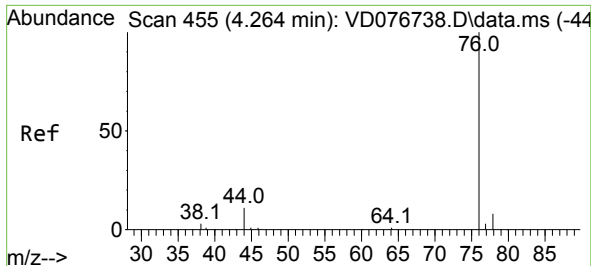
Tgt Ion: 43 Resp: 29227

Ion Ratio Lower Upper

43 100

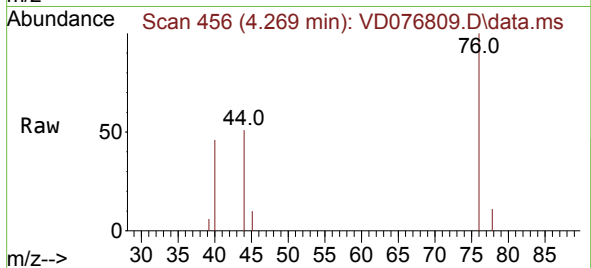
58 29.3 34.7 52.1#



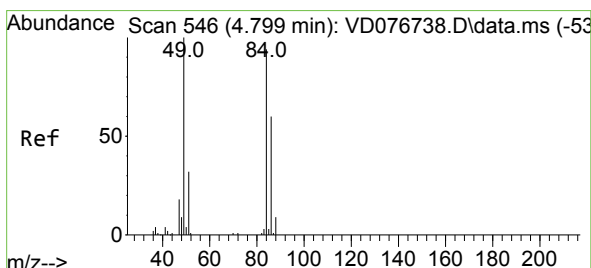
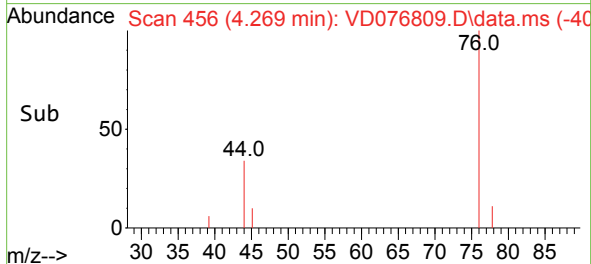
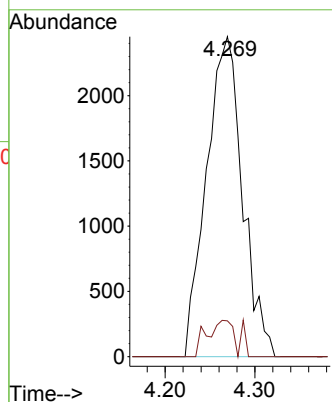


#17
Carbon Disulfide
Concen: 1.672 ug/l
RT: 4.269 min Scan# 411
Delta R.T. 0.005 min
Lab File: VD076809.D
Acq: 26 Jul 2023 16:46

Instrument :
MSVOA_D
ClientSampleId :

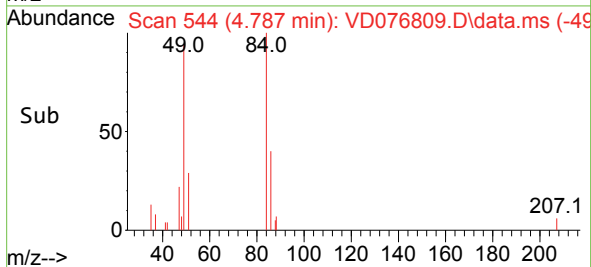
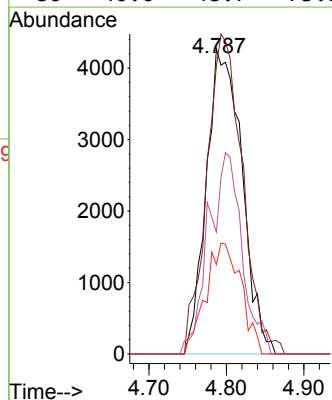
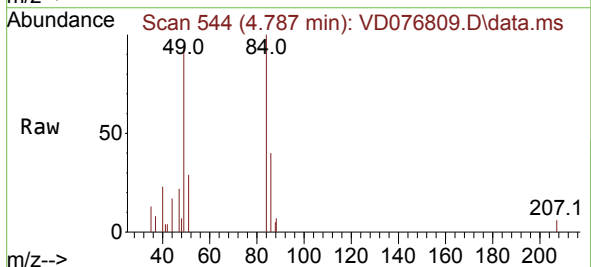


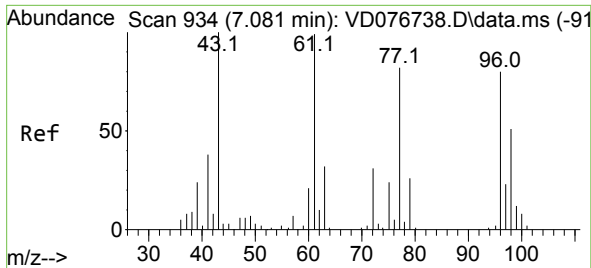
Tgt Ion: 76 Resp: 6839
Ion Ratio Lower Upper
76 100
78 11.2 6.8 10.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.787 min Scan# 544
Delta R.T. -0.012 min
Lab File: VD076809.D
Acq: 26 Jul 2023 16:46

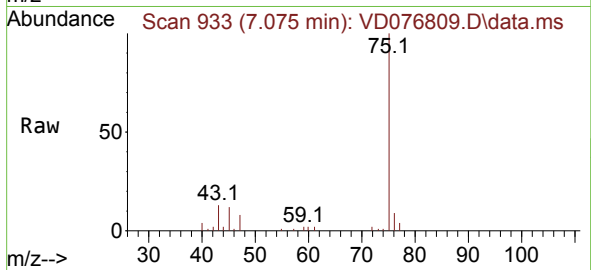
Tgt Ion: 84 Resp: 13623
Ion Ratio Lower Upper
84 100
49 94.3 71.4 107.2
51 29.3 24.5 36.7
86 40.0 48.7 73.1#



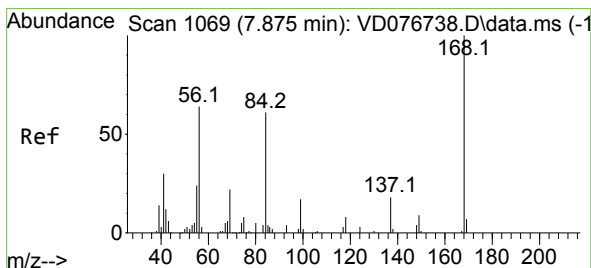
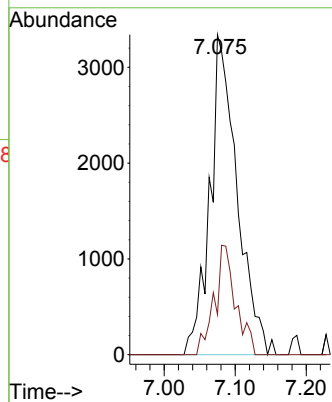
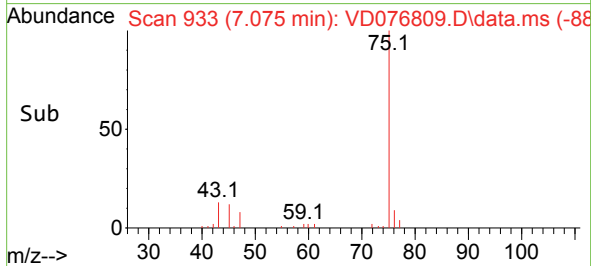


#25
2-Butanone
Concen: 15.790 ug/l
RT: 7.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD076809.D
Acq: 26 Jul 2023 16:46

Instrument :
MSVOA_D
ClientSampleId :

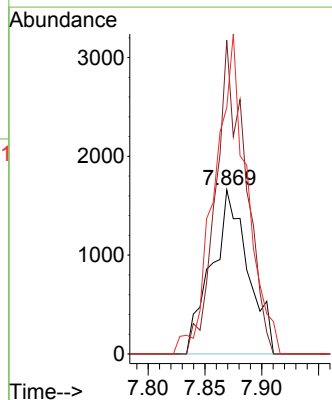
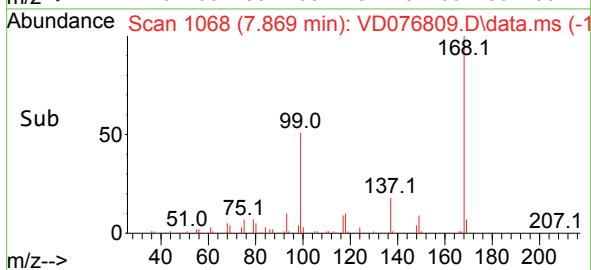
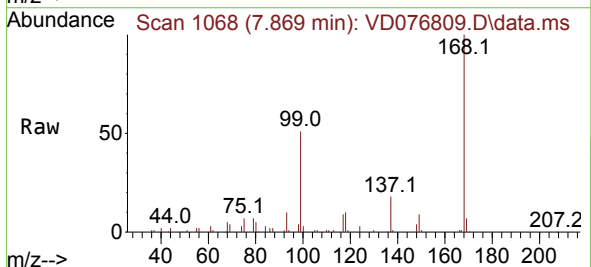


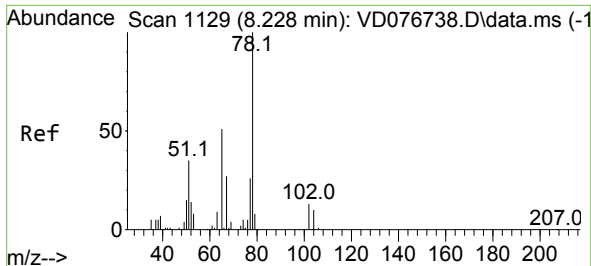
Tgt Ion: 43 Resp: 8909
Ion Ratio Lower Upper
43 100
72 12.5 30.7 46.1#



#31
Cyclohexane
Concen: 1.422 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD076809.D
Acq: 26 Jul 2023 16:46

Tgt Ion: 56 Resp: 3695
Ion Ratio Lower Upper
56 100
69 190.9 28.6 43.0#
84 150.0 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 56.836 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076809.D

Acq: 26 Jul 2023 16:46

Instrument :

MSVOA_D

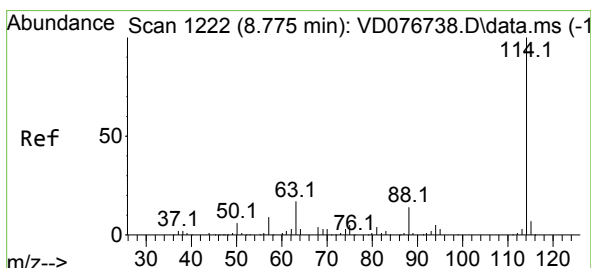
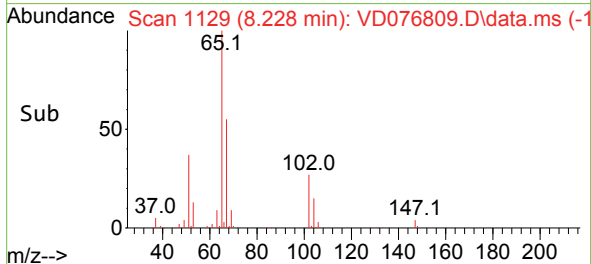
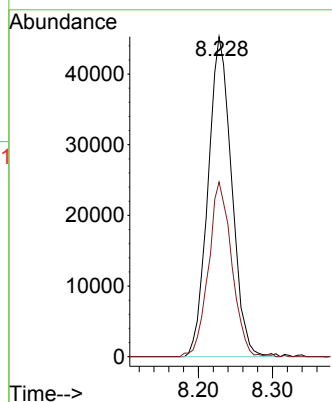
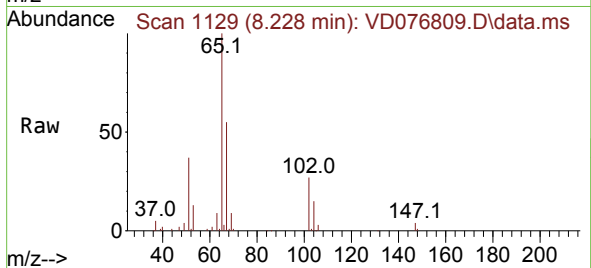
ClientSampleId :

Tgt Ion: 65 Resp: 100326

Ion Ratio Lower Upper

65 100

67 53.5 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD076809.D

Acq: 26 Jul 2023 16:46

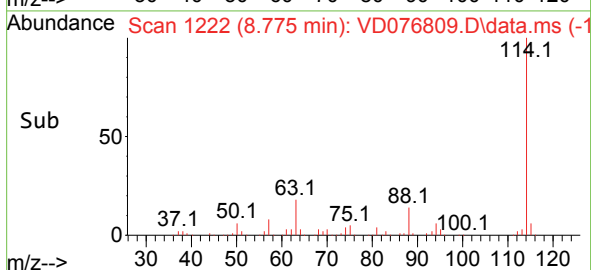
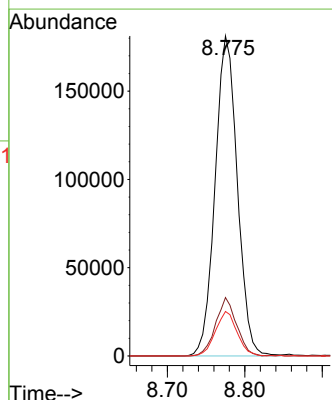
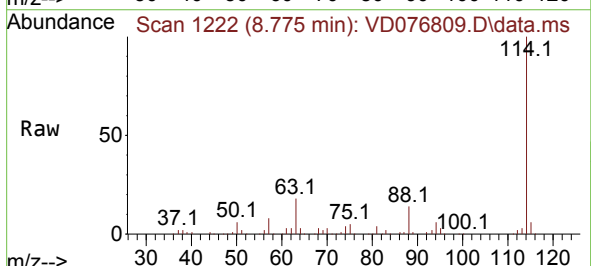
Tgt Ion: 114 Resp: 362260

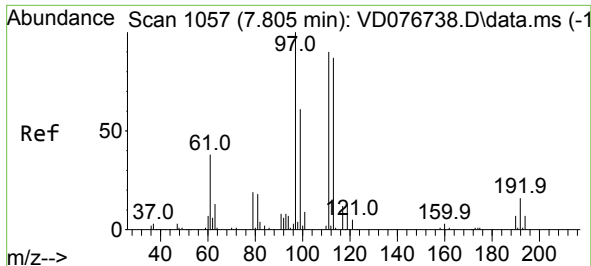
Ion Ratio Lower Upper

114 100

63 18.3 0.0 33.4

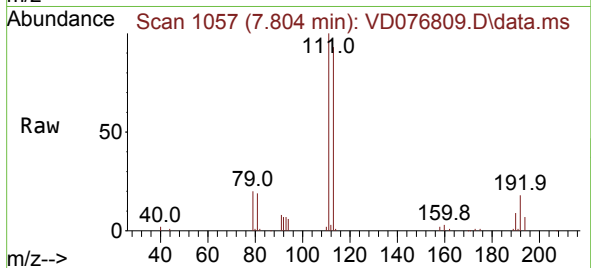
88 13.9 0.0 26.2



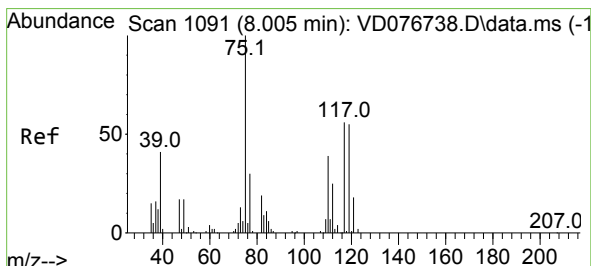
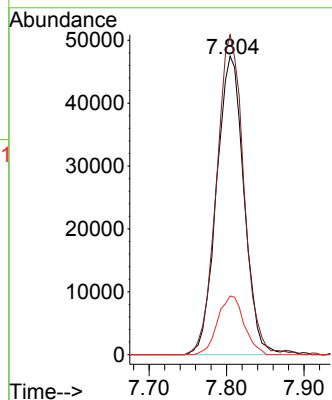
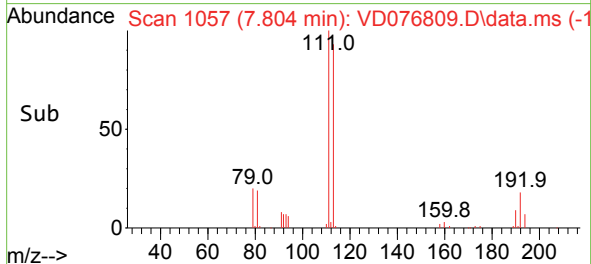


#35
Dibromofluoromethane
Concen: 51.241 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.001 min
Lab File: VD076809.D
Acq: 26 Jul 2023 16:46

Instrument :
MSVOA_D
ClientSampleId :

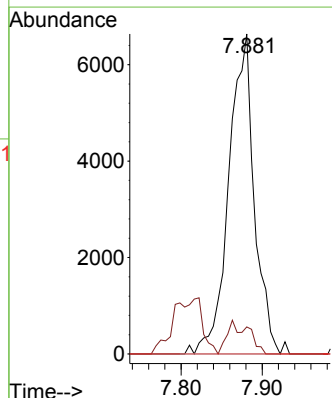
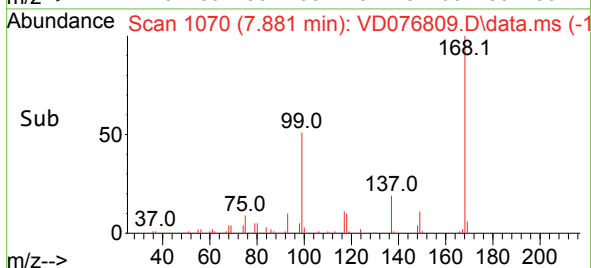
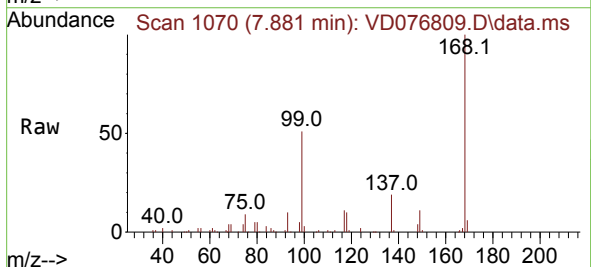


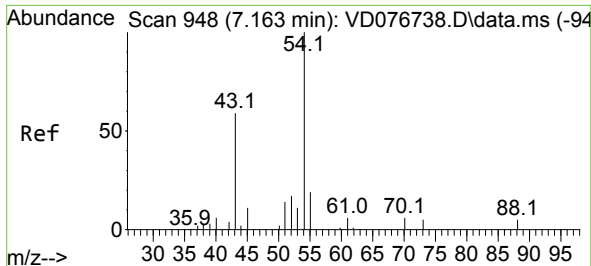
Tgt Ion:113 Resp: 116648
Ion Ratio Lower Upper
113 100
111 106.6 84.7 127.1
192 19.0 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.861 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.124 min
Lab File: VD076809.D
Acq: 26 Jul 2023 16:46

Tgt Ion: 75 Resp: 14459
Ion Ratio Lower Upper
75 100
110 5.4 19.9 59.6#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 6.697 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.088 min

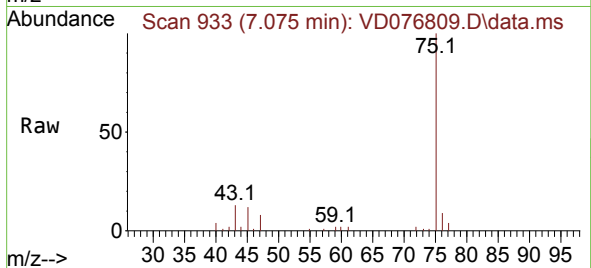
Lab File: VD076809.D

Acq: 26 Jul 2023 16:46

Instrument :

MSVOA_D

ClientSampleId :



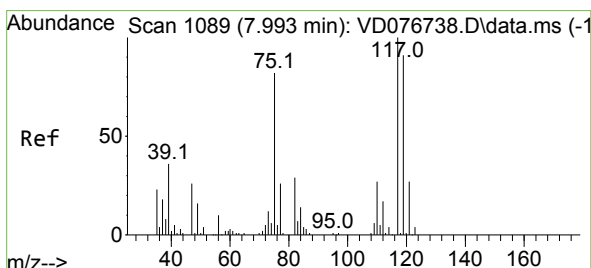
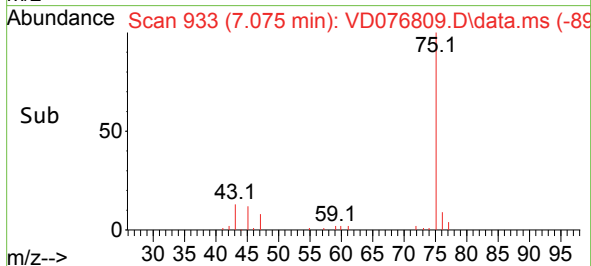
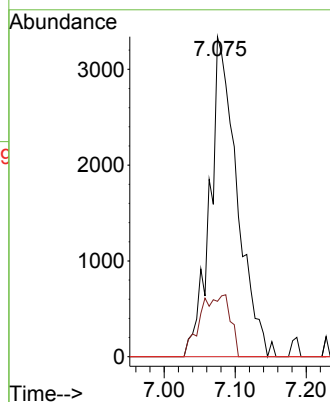
Tgt Ion: 43 Resp: 8909

Ion Ratio Lower Upper

43 100

61 21.3 14.9 22.3

70 0.0 10.0 15.0#



#38

Carbon Tetrachloride

Concen: 6.371 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

Lab File: VD076809.D

Acq: 26 Jul 2023 16:46

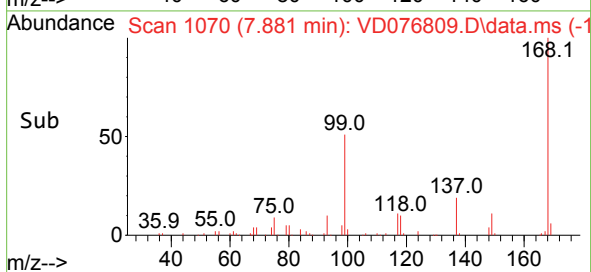
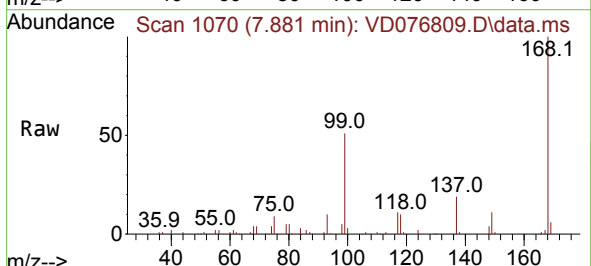
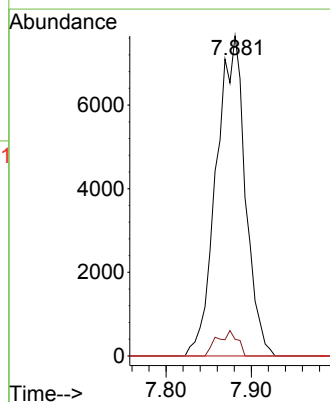
Tgt Ion: 117 Resp: 18148

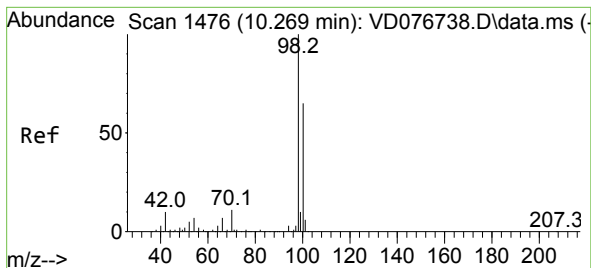
Ion Ratio Lower Upper

117 100

119 5.2 78.0 117.0#

121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 53.335 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076809.D

Acq: 26 Jul 2023 16:46

Instrument :

MSVOA_D

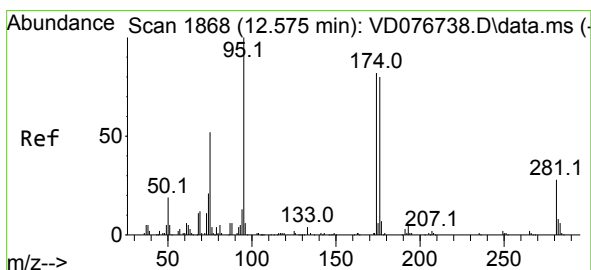
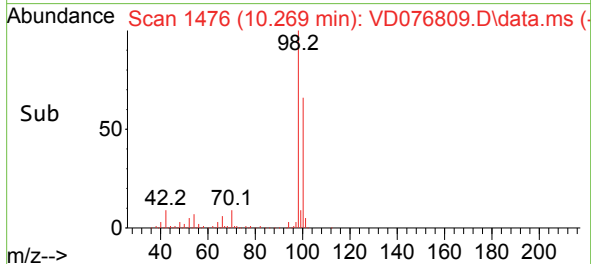
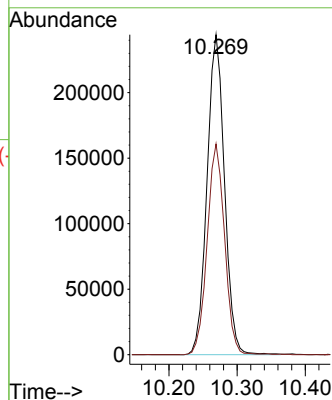
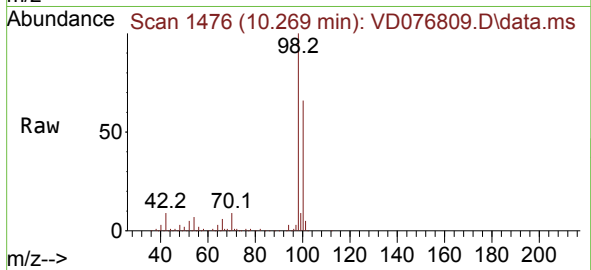
ClientSampleId :

Tgt Ion: 98 Resp: 434348

Ion Ratio Lower Upper

98 100

100 65.8 50.3 75.5



#62

4-Bromofluorobenzene

Concen: 46.044 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD076809.D

Acq: 26 Jul 2023 16:46

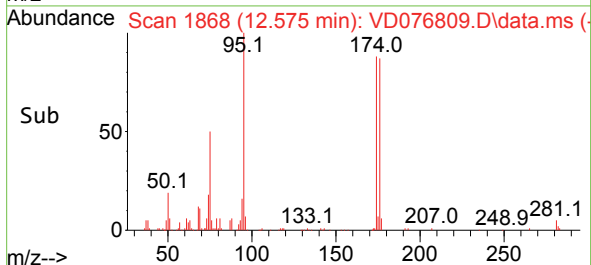
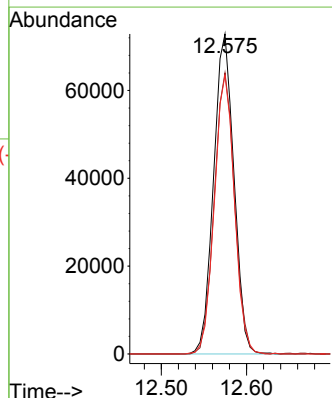
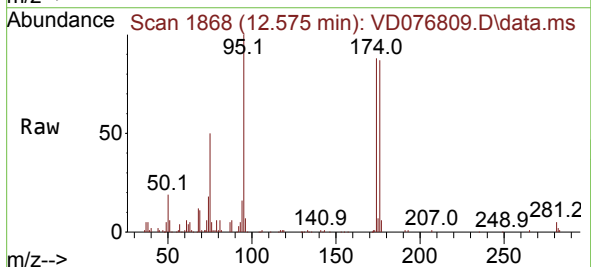
Tgt Ion: 95 Resp: 121305

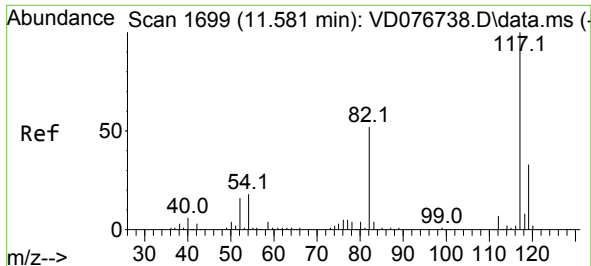
Ion Ratio Lower Upper

95 100

174 87.4 0.0 201.8

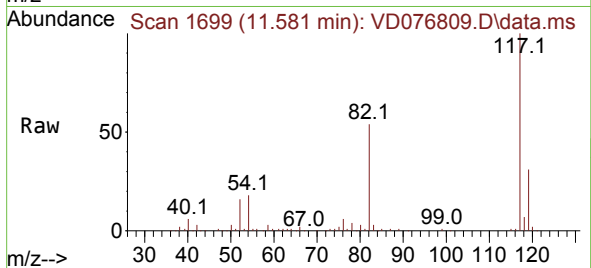
176 85.5 0.0 191.8



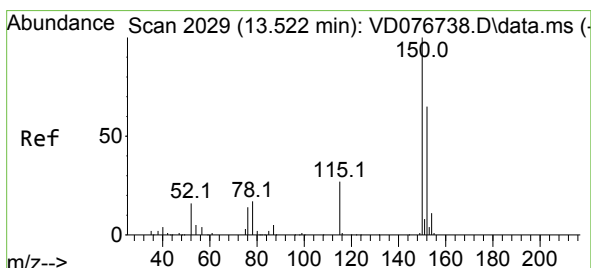
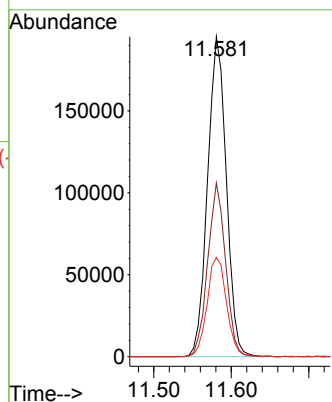
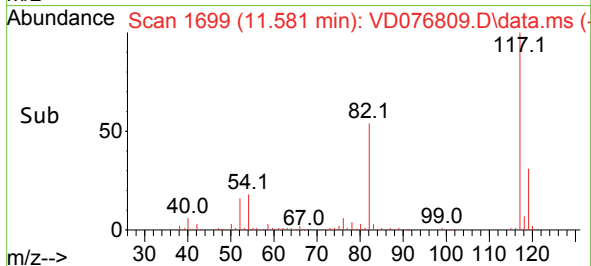


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076809.D
Acq: 26 Jul 2023 16:46

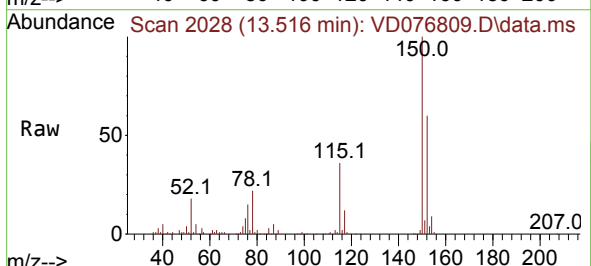
Instrument :
MSVOA_D
ClientSampleId :



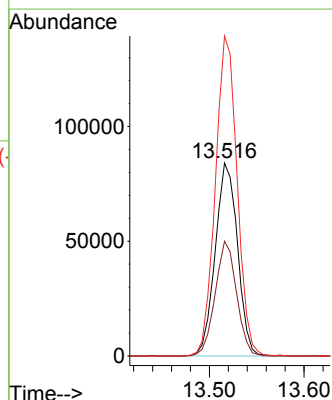
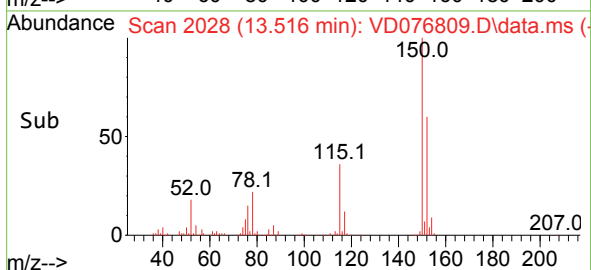
Tgt Ion:117 Resp: 328759
Ion Ratio Lower Upper
117 100
82 54.3 38.3 57.5
119 31.0 25.0 37.4

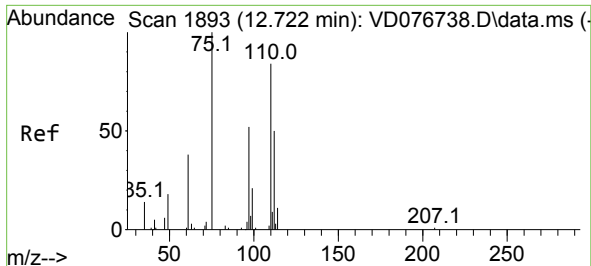


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076809.D
Acq: 26 Jul 2023 16:46



Tgt Ion:152 Resp: 137456
Ion Ratio Lower Upper
152 100
115 57.1 27.1 81.3
150 162.0 0.0 353.6

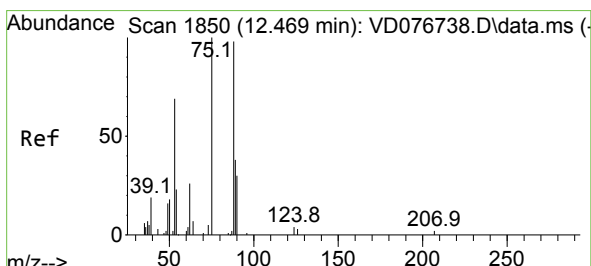
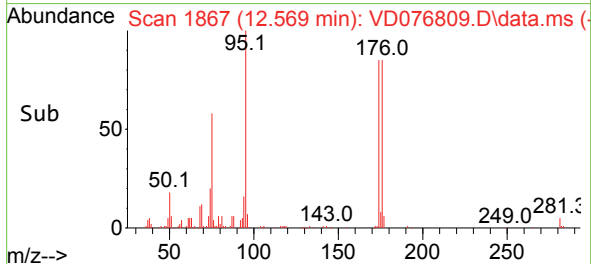
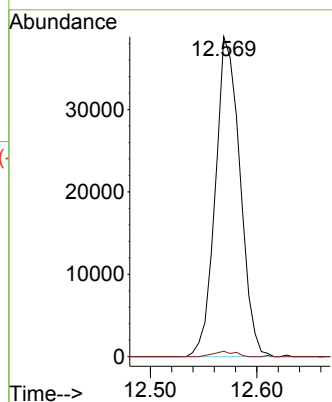
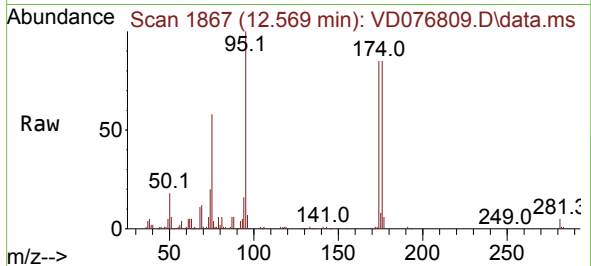




#76
1,2,3-Trichloropropane
Concen: 47.725 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD076809.D
Acq: 26 Jul 2023 16:46

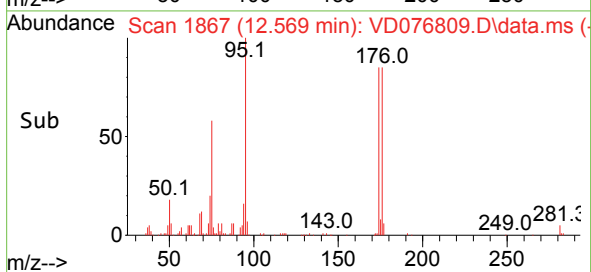
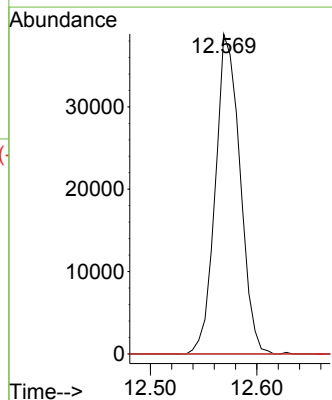
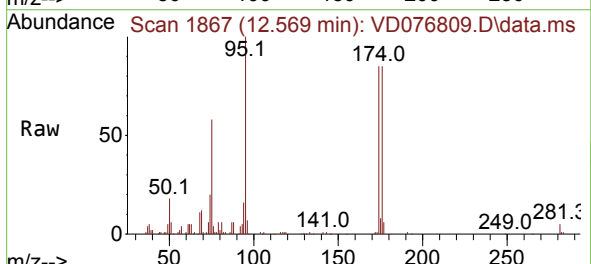
Instrument :
MSVOA_D
ClientSampleId :

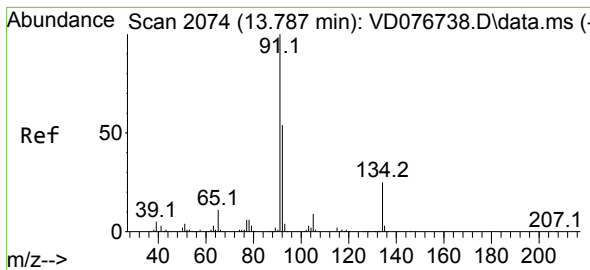
Tgt Ion: 75 Resp: 62385
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.570 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD076809.D
Acq: 26 Jul 2023 16:46

Tgt Ion: 75 Resp: 62385
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#





#89

n-Butylbenzene

Concen: 1.817 ug/l

RT: 13.781 min Scan# 2074

Delta R.T. -0.006 min

Lab File: VD076809.D

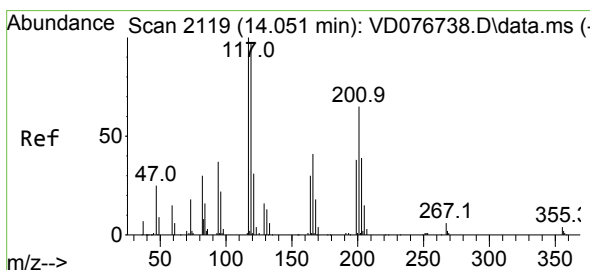
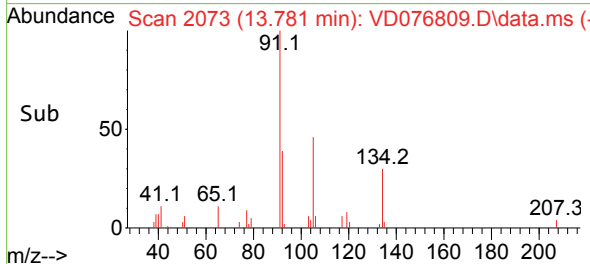
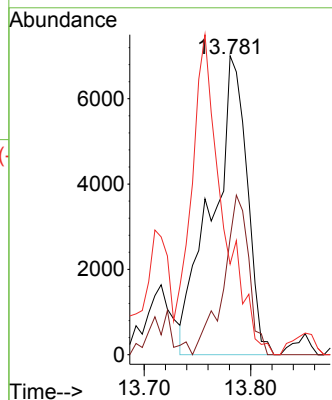
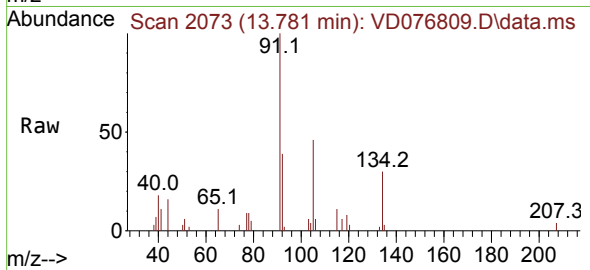
Acq: 26 Jul 2023 16:46

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 91	Resp:	15932
Ion Ratio	Lower	Upper
91	100	
92	38.9	26.5 79.5
134	0.0	13.8 41.3#



#90

Hexachloroethane

Concen: 11.616 ug/l

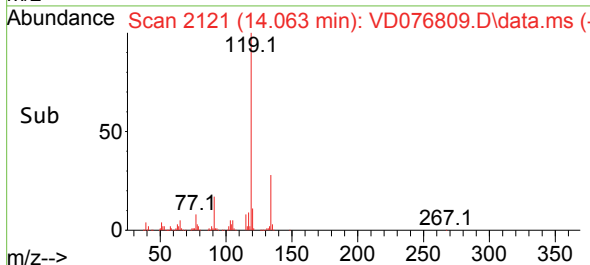
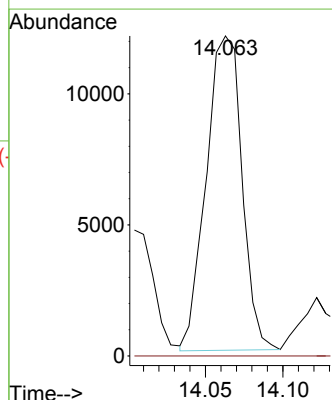
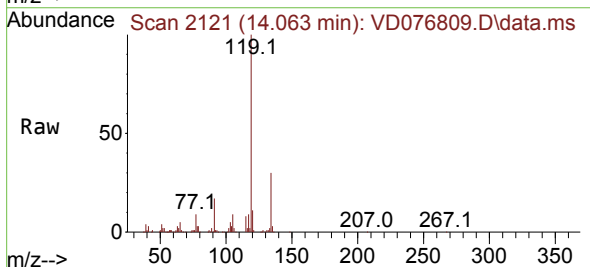
RT: 14.063 min Scan# 2121

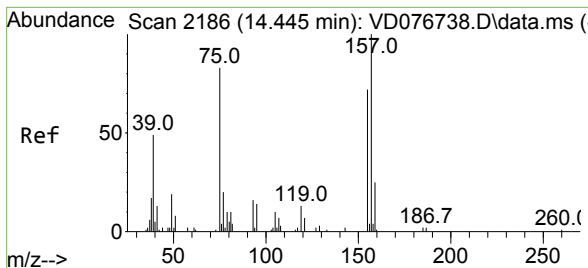
Delta R.T. 0.012 min

Lab File: VD076809.D

Acq: 26 Jul 2023 16:46

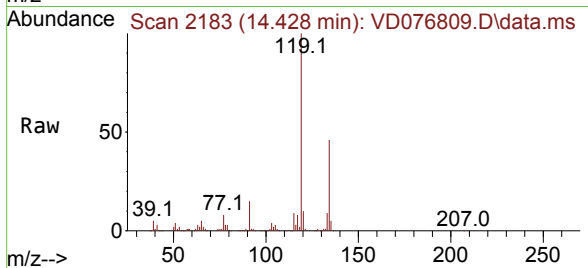
Tgt Ion: 117	Resp:	19239
Ion Ratio	Lower	Upper
117	100	
201	0.0	38.5 115.5#



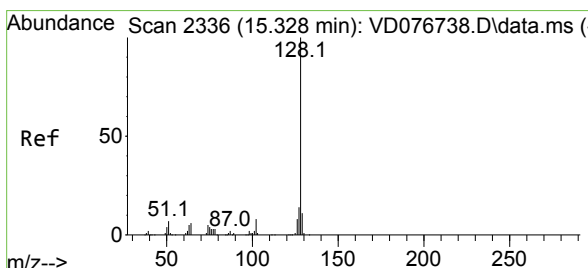
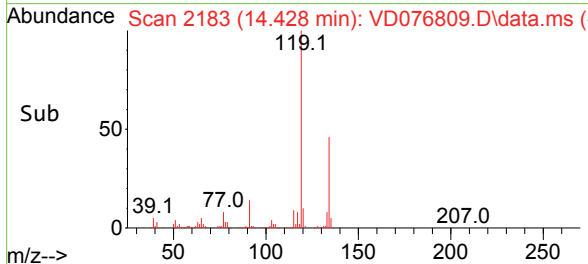
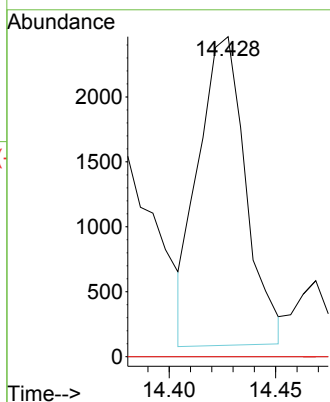


#92
1,2-Dibromo-3-Chloropropane
Concen: 11.955 ug/l
RT: 14.428 min Scan# 2186
Delta R.T. -0.017 min
Lab File: VD076809.D
Acq: 26 Jul 2023 16:46

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 3650
Ion Ratio Lower Upper
75 100
155 0.0 47.9 143.8#
157 0.0 59.9 179.7#



#95
Naphthalene
Concen: 72.441 ug/l
RT: 15.333 min Scan# 2337
Delta R.T. 0.005 min
Lab File: VD076809.D
Acq: 26 Jul 2023 16:46

Tgt Ion:128 Resp: 399510
Ion Ratio Lower Upper
128 100
127 13.4 10.5 15.7
129 11.9 8.7 13.1

