

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072823\
 Data File : VD076865.D
 Acq On : 28 Jul 2023 20:14
 Operator : KP/SY
 Sample : 03787-01
 Misc : 5.08G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 KINGSLAND-SUB-T2

Quant Time: Jul 28 23:08:11 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)

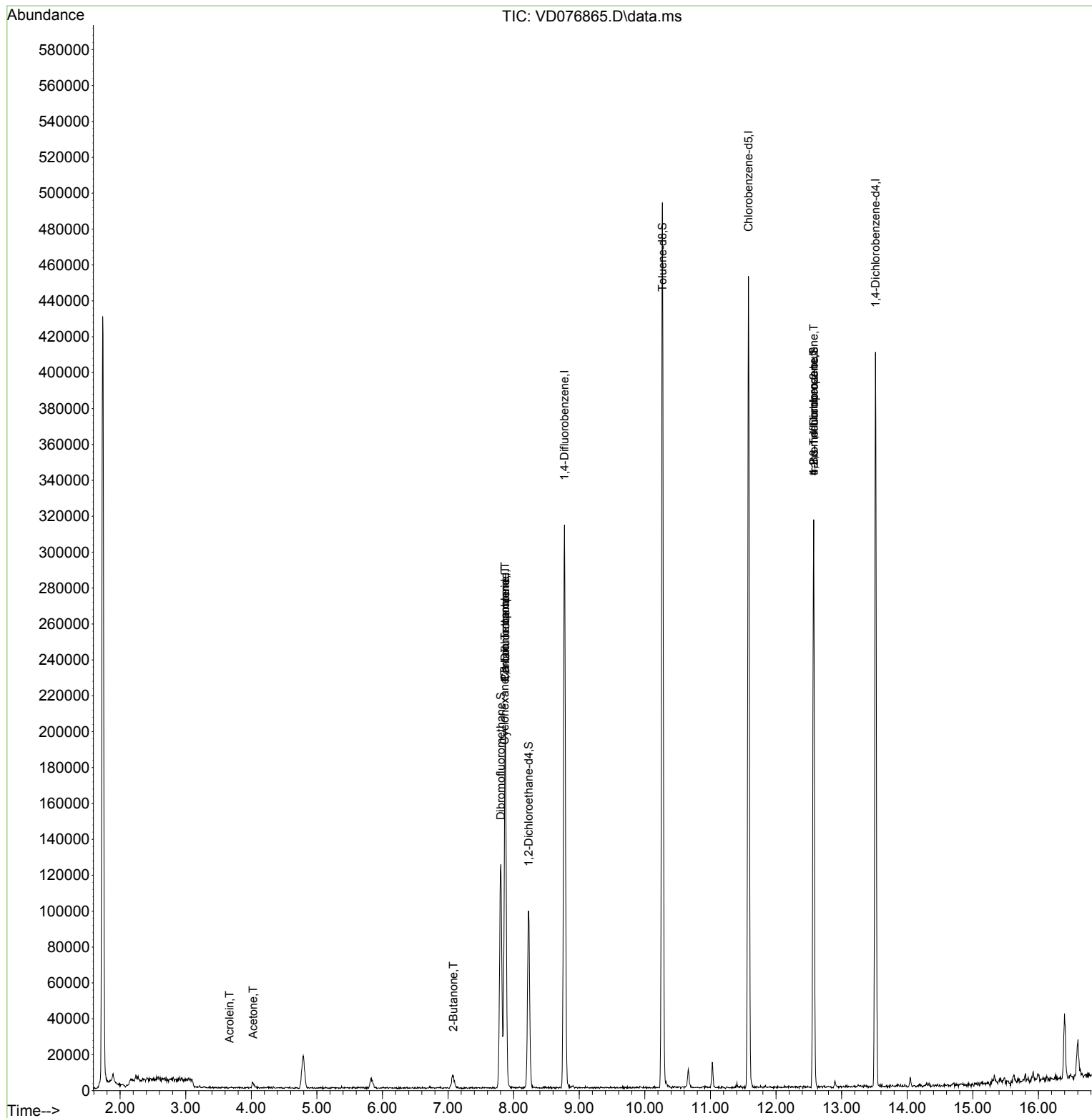
Internal Standards						
1) Pentafluorobenzene	7.875	168	151404	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	287132	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	259273	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	105594	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	76052	50.431	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.860%	
35) Dibromofluoromethane	7.804	113	94136	52.171	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.340%	
50) Toluene-d8	10.269	98	348639	54.012	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.020%	
62) 4-Bromofluorobenzene	12.575	95	96385	46.158	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 92.320%	
Target Compounds						
					Qvalue	
13) Acrolein	3.669	56	81	1.056	ug/l	# 15
16) Acetone	4.028	43	4243	11.781	ug/l	# 78
20) Methylene Chloride	4.787	84	14545	Below Cal	#	92
25) 2-Butanone	7.081	43	652	1.353	ug/l	# 37
31) Cyclohexane	7.863	56	3251	1.465	ug/l	# 52
36) 1,1-Dichloropropene	7.869	75	13328	5.653	ug/l	# 48
38) Carbon Tetrachloride	7.869	117	15603	6.911	ug/l	# 16
76) 1,2,3-Trichloropropane	12.575	75	51403	51.189	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	51403	108.943	ug/l	# 17

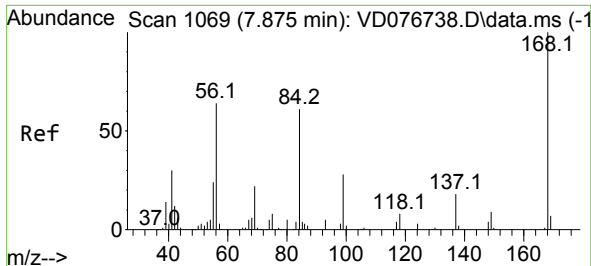
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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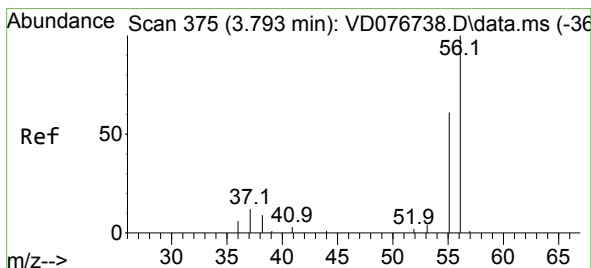
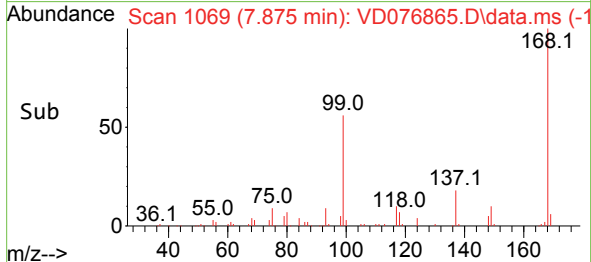
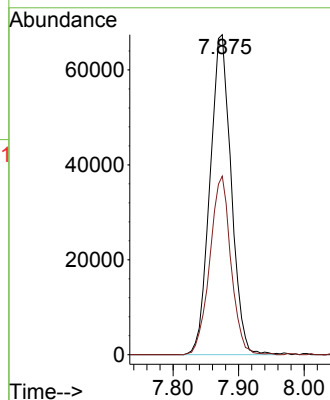
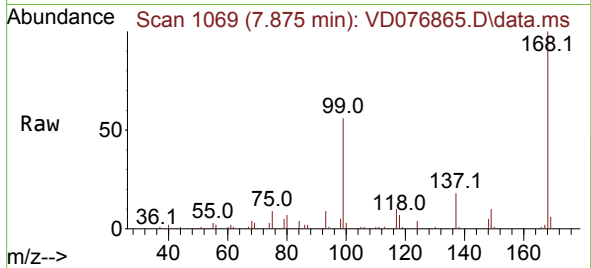




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076865.D
Acq: 28 Jul 2023 20:14

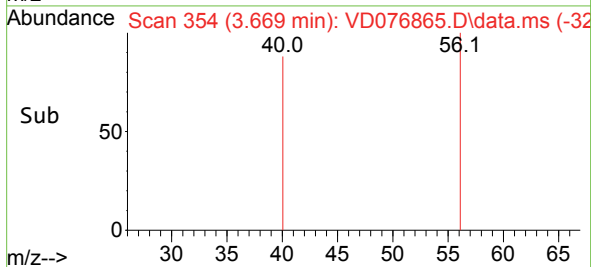
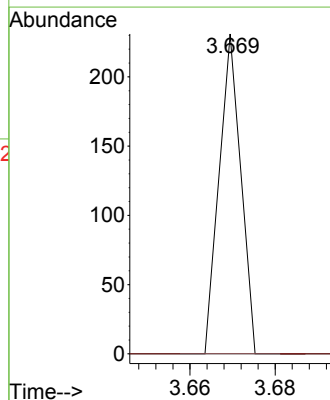
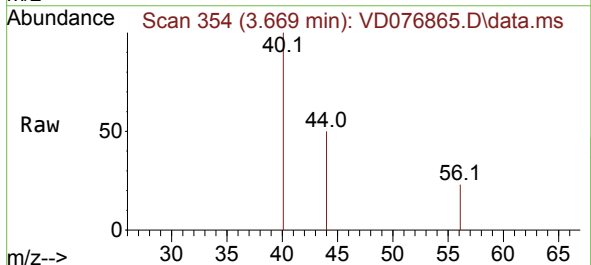
Instrument :
MSVOA_D
ClientSampleId :
KINGSLAND-SUB-T2

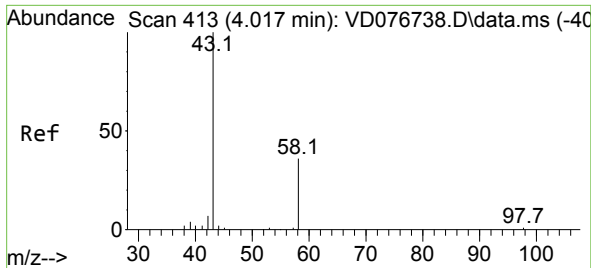
Tgt Ion:168 Resp: 151404
Ion Ratio Lower Upper
168 100
99 55.8 36.7 55.1#



#13
Acrolein
Concen: 1.056 ug/l
RT: 3.669 min Scan# 354
Delta R.T. -0.124 min
Lab File: VD076865.D
Acq: 28 Jul 2023 20:14

Tgt Ion: 56 Resp: 81
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#





#16

Acetone

Concen: 11.781 ug/l

RT: 4.028 min Scan# 413

Delta R.T. 0.011 min

Lab File: VD076865.D

Acq: 28 Jul 2023 20:14

Instrument :

MSVOA_D

ClientSampleId :

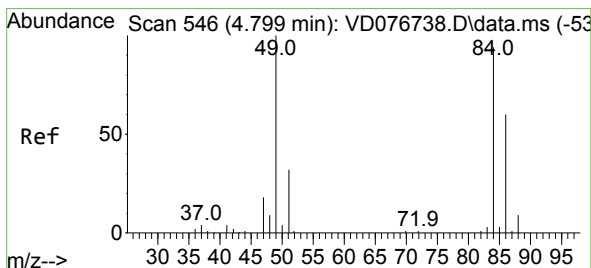
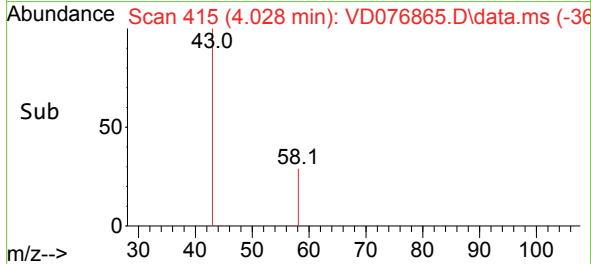
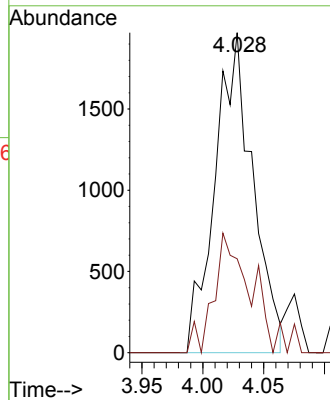
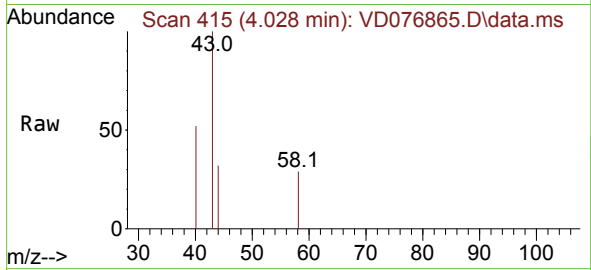
KINGSLAND-SUB-T2

Tgt Ion: 43 Resp: 4243

Ion Ratio Lower Upper

43 100

58 29.3 34.7 52.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.787 min Scan# 544

Delta R.T. -0.012 min

Lab File: VD076865.D

Acq: 28 Jul 2023 20:14

Tgt Ion: 84 Resp: 14545

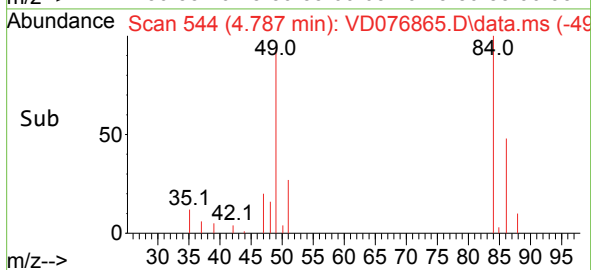
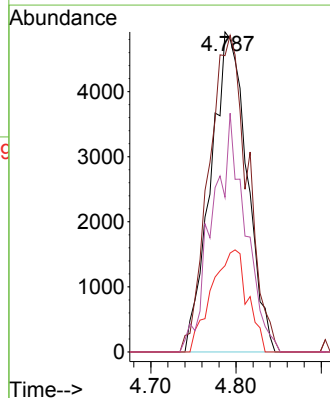
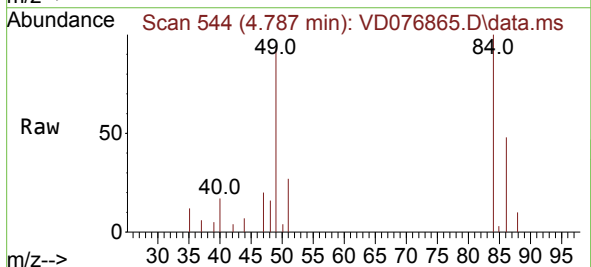
Ion Ratio Lower Upper

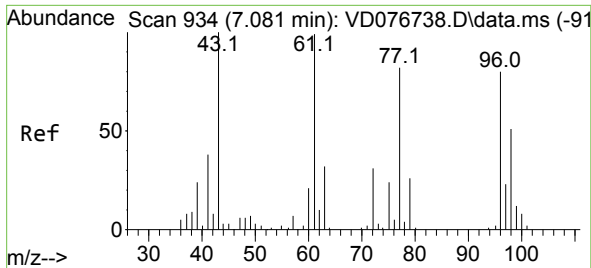
84 100

49 92.6 71.4 107.2

51 27.0 24.5 36.7

86 48.4 48.7 73.1#

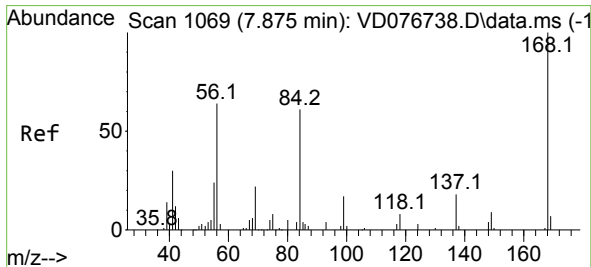
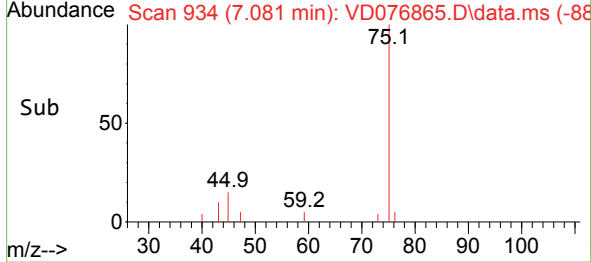
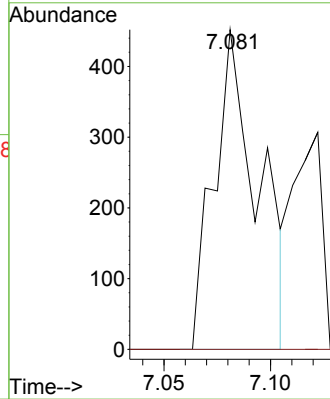
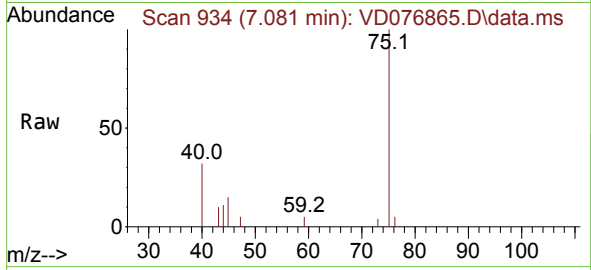




#25
2-Butanone
Concen: 1.353 ug/l
RT: 7.081 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD076865.D
Acq: 28 Jul 2023 20:14

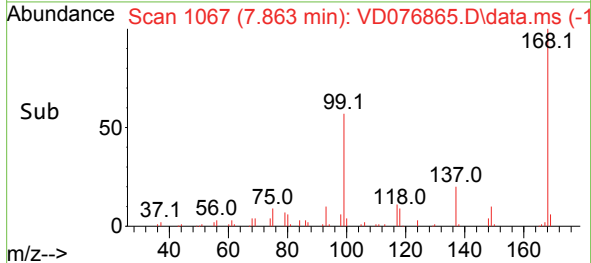
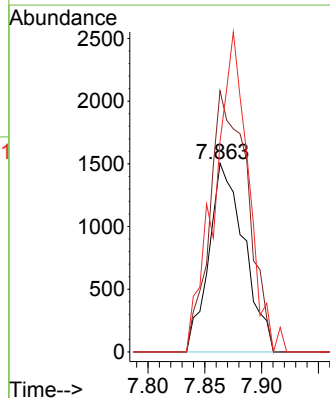
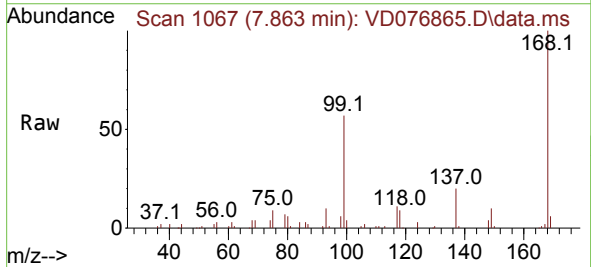
Instrument :
MSVOA_D
ClientSampleId :
KINGSLAND-SUB-T2

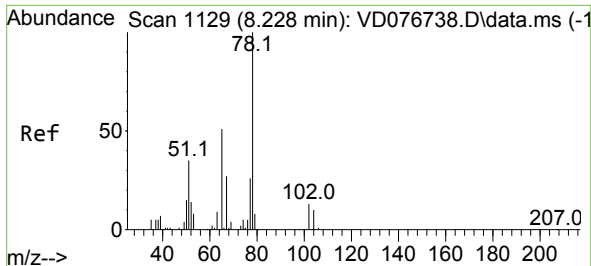
Tgt Ion: 43 Resp: 652
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.465 ug/l
RT: 7.863 min Scan# 1067
Delta R.T. -0.012 min
Lab File: VD076865.D
Acq: 28 Jul 2023 20:14

Tgt Ion: 56 Resp: 3251
Ion Ratio Lower Upper
56 100
69 138.4 28.6 43.0#
84 111.6 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 50.431 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076865.D

Acq: 28 Jul 2023 20:14

Instrument :

MSVOA_D

ClientSampleId :

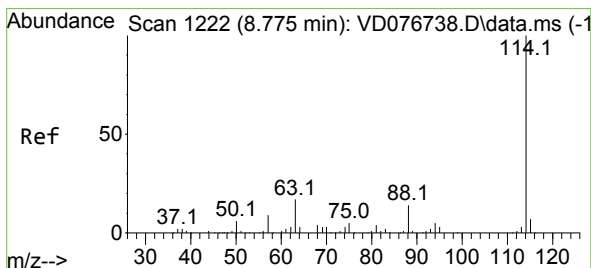
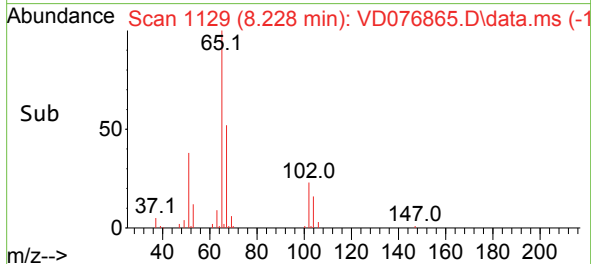
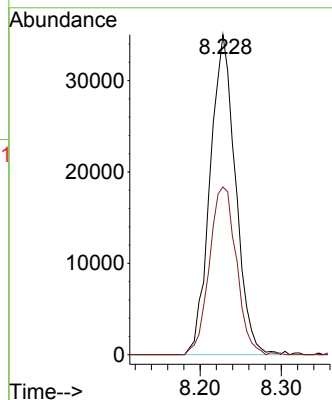
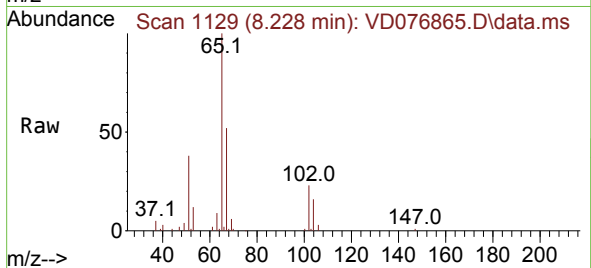
KINGSLAND-SUB-T2

Tgt Ion: 65 Resp: 76052

Ion Ratio Lower Upper

65 100

67 55.8 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: VD076865.D

Acq: 28 Jul 2023 20:14

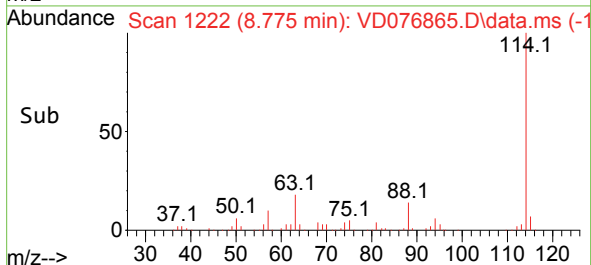
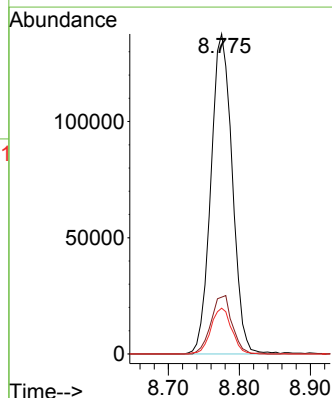
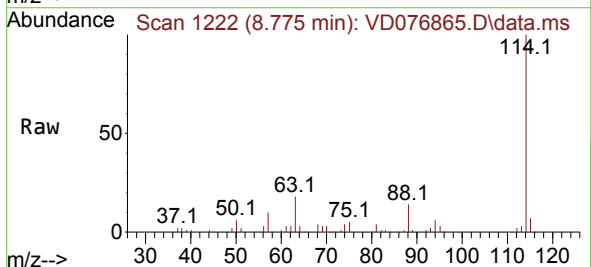
Tgt Ion: 114 Resp: 287132

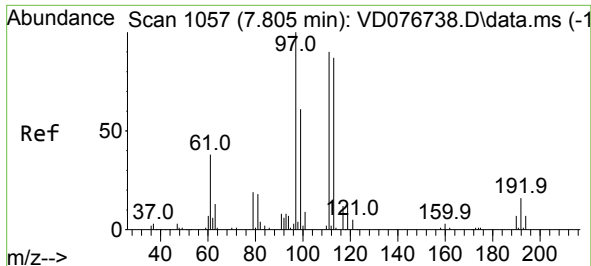
Ion Ratio Lower Upper

114 100

63 17.8 0.0 33.4

88 14.3 0.0 26.2





#35

Dibromofluoromethane

Concen: 52.171 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076865.D

Acq: 28 Jul 2023 20:14

Instrument :

MSVOA_D

ClientSampleId :

KINGSLAND-SUB-T2

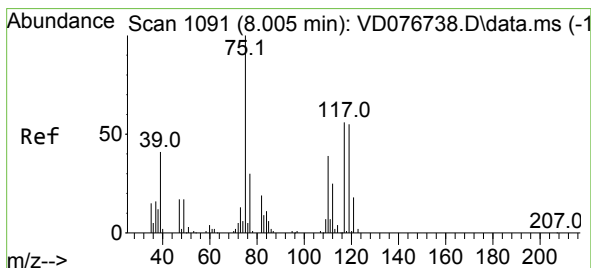
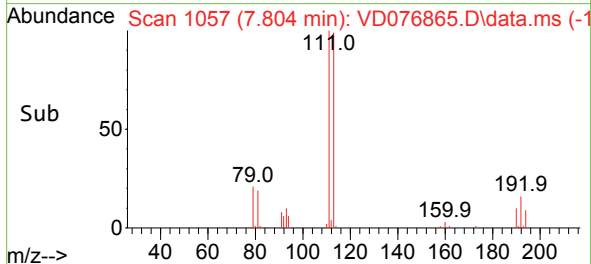
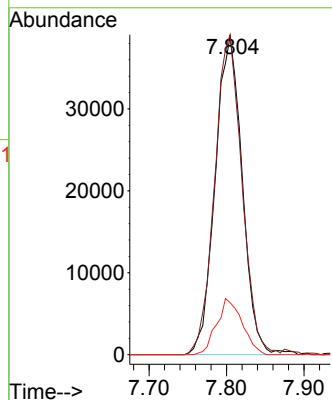
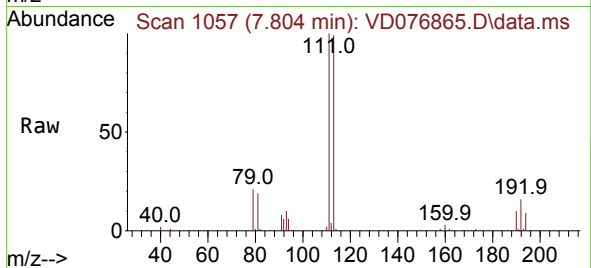
Tgt Ion:113 Resp: 94136

Ion Ratio Lower Upper

113 100

111 101.3 84.7 127.1

192 16.7 16.8 25.2#



#36

1,1-Dichloropropene

Concen: 5.653 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.136 min

Lab File: VD076865.D

Acq: 28 Jul 2023 20:14

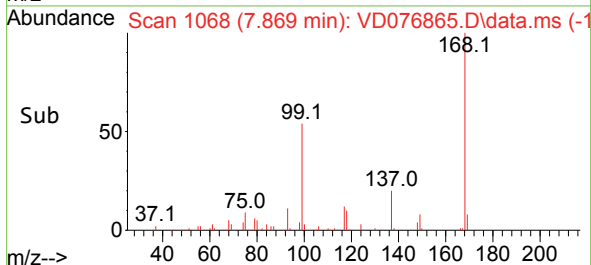
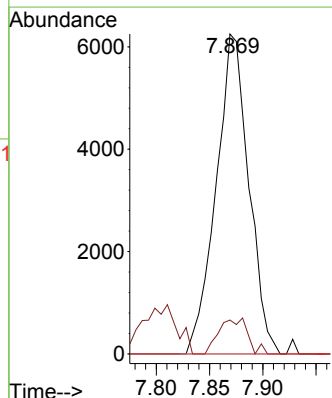
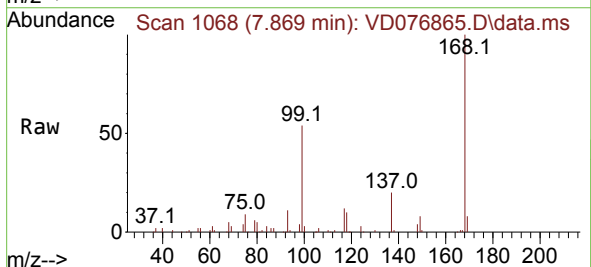
Tgt Ion: 75 Resp: 13328

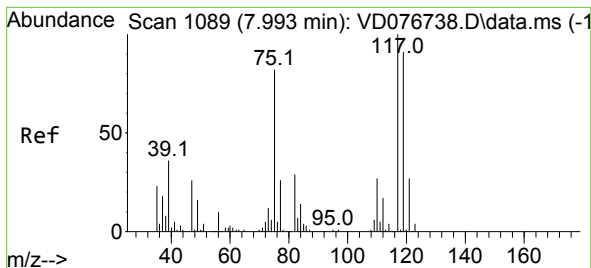
Ion Ratio Lower Upper

75 100

110 9.8 19.9 59.6#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.911 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.124 min

Lab File: VD076865.D

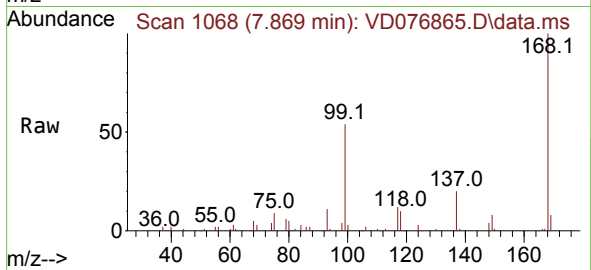
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Instrument :

MSVOA_D

ClientSampleId :

KINGSLAND-SUB-T2



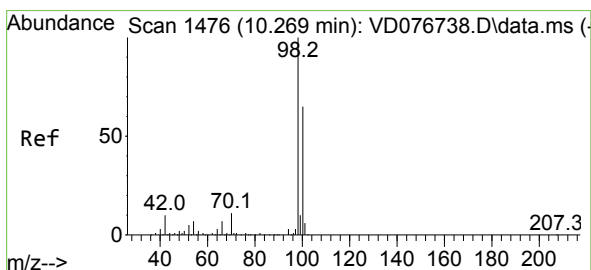
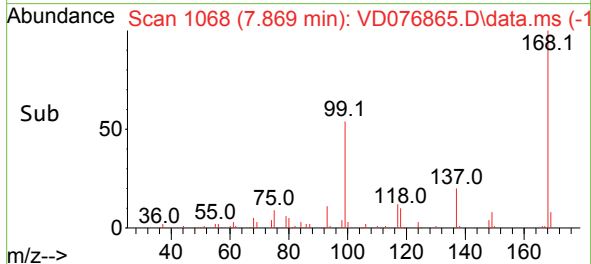
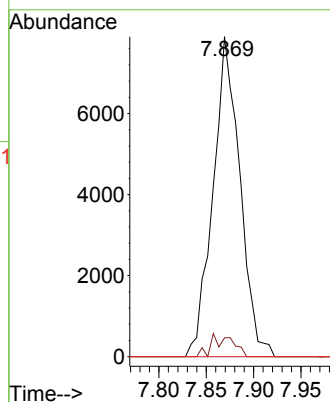
Tgt Ion:117 Resp: 15603

Ion Ratio Lower Upper

117 100

119 5.9 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 54.012 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076865.D

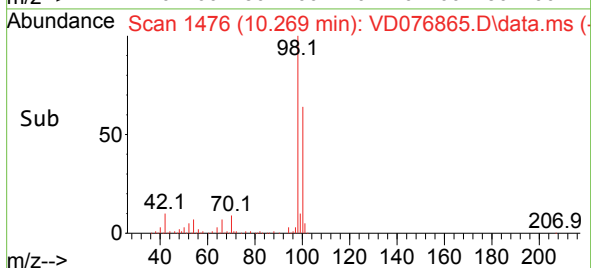
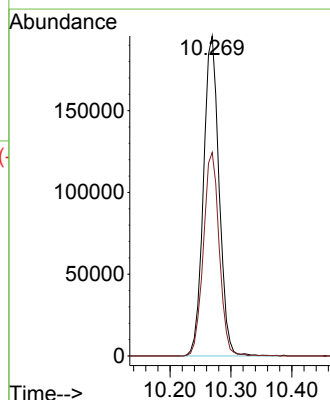
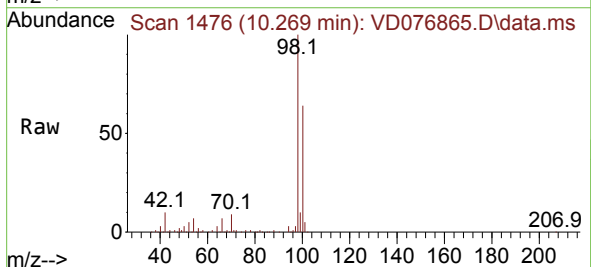
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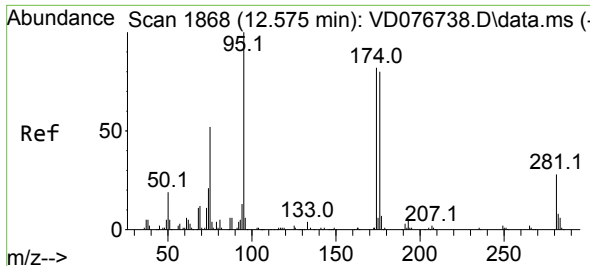
Tgt Ion: 98 Resp: 348639

Ion Ratio Lower Upper

98 100

100 64.5 50.3 75.5

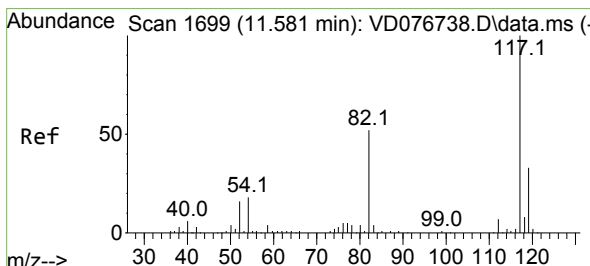
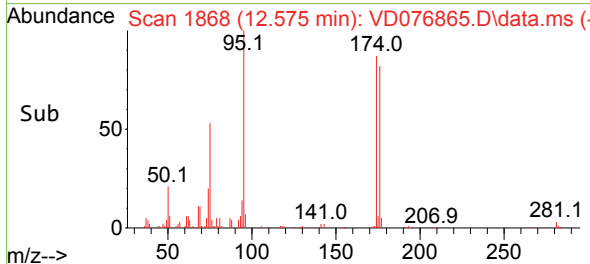
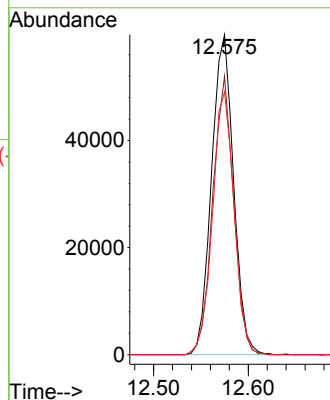
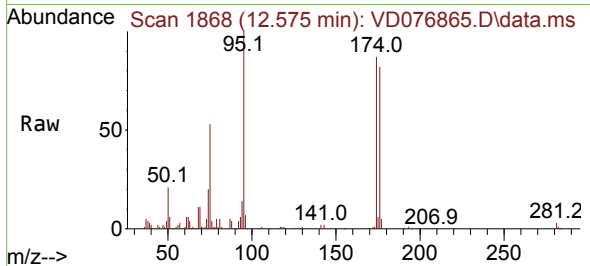




#62
4-Bromofluorobenzene
Concen: 46.158 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076865.D
Acq: 28 Jul 2023 20:14

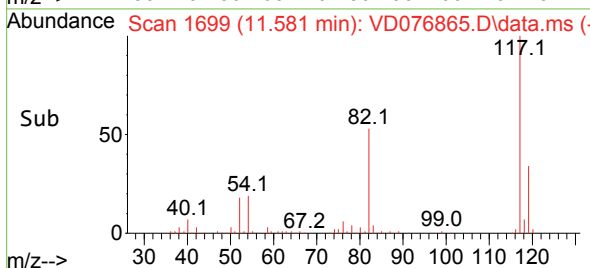
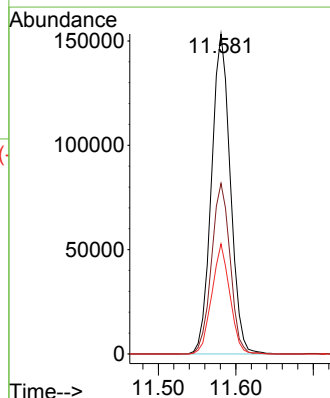
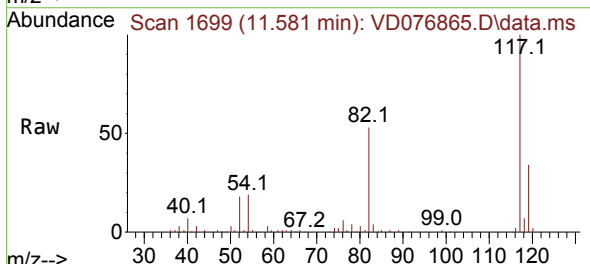
Instrument :
MSVOA_D
ClientSampleId :
KINGSLAND-SUB-T2

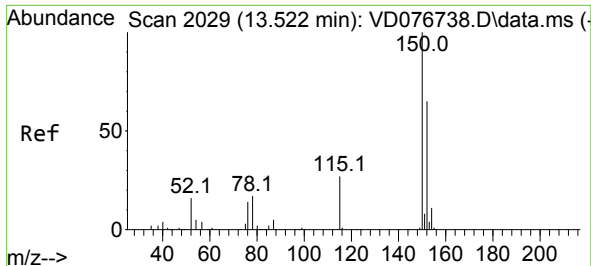
Tgt Ion: 95 Resp: 96385
Ion Ratio Lower Upper
95 100
174 82.5 0.0 201.8
176 80.7 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076865.D
Acq: 28 Jul 2023 20:14

Tgt Ion: 117 Resp: 259273
Ion Ratio Lower Upper
117 100
82 53.3 38.3 57.5
119 34.4 25.0 37.4

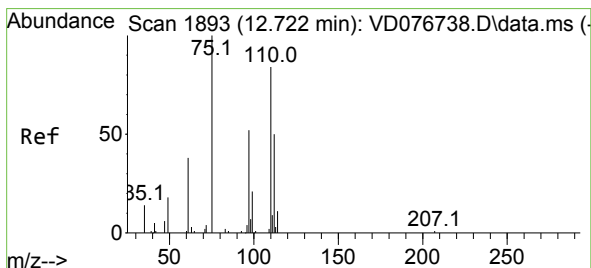
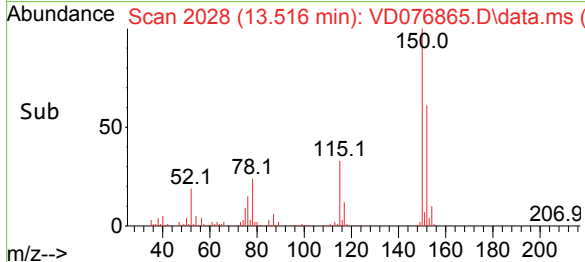
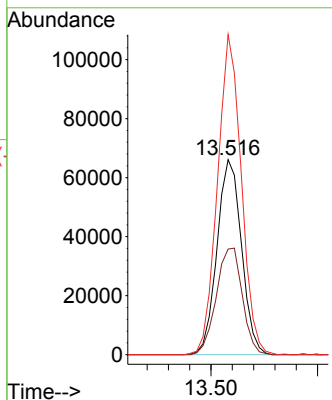
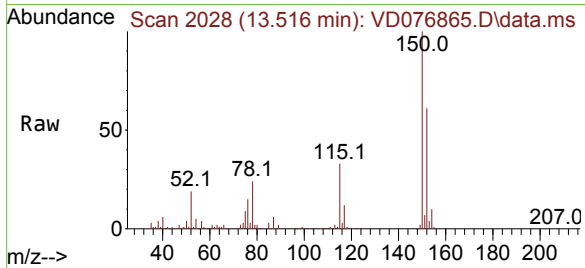




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2029
 Delta R.T. -0.006 min
 Lab File: VD076865.D
 Acq: 28 Jul 2023 20:14

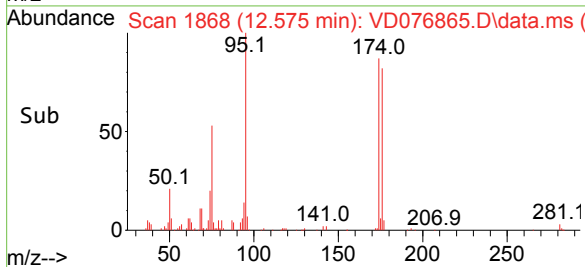
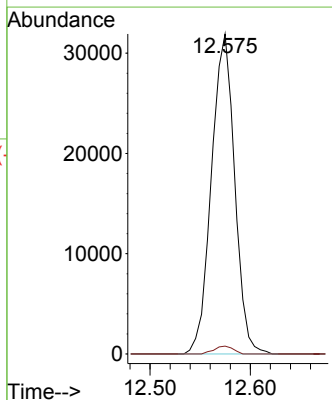
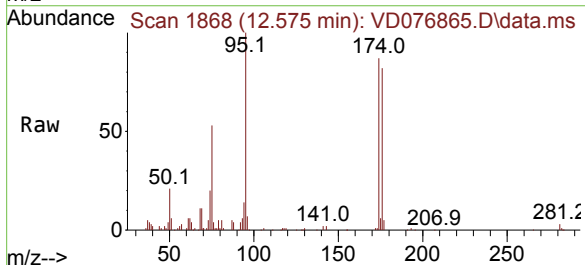
Instrument :
 MSVOA_D
 ClientSampleId :
 KINGSLAND-SUB-T2

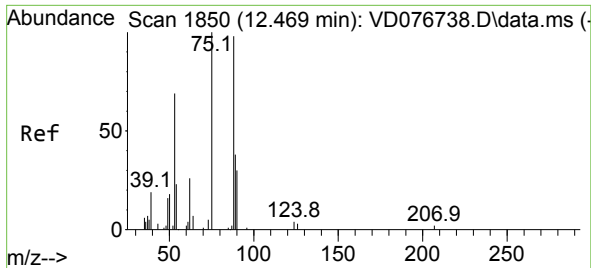
Tgt Ion:152 Resp: 105594
 Ion Ratio Lower Upper
 152 100
 115 57.9 27.1 81.3
 150 159.1 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 51.189 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD076865.D
 Acq: 28 Jul 2023 20:14

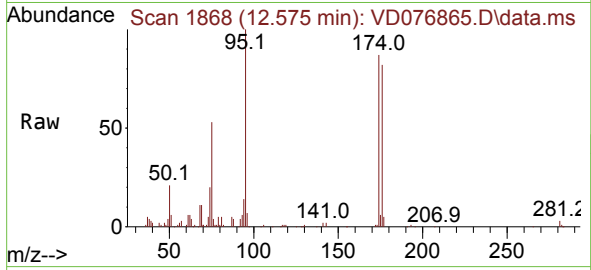
Tgt Ion: 75 Resp: 51403
 Ion Ratio Lower Upper
 75 100
 77 2.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 108.943 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD076865.D
 Acq: 28 Jul 2023 20:14

Instrument :
 MSVOA_D
 ClientSampleId :
 KINGSLAND-SUB-T2



Tgt Ion:	75	Resp:	51403
Ion	Ratio	Lower	Upper
75	100		
53	0.1	63.0	94.4#
89	0.2	37.9	56.9#

