

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091823\
 Data File : VD077136.D
 Acq On : 18 Sep 2023 18:12
 Operator : JC/SY
 Sample : 04436-03
 Misc : 3.38G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 19 04:58:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 19 04:46:37 2023
 Response via : Initial Calibration

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

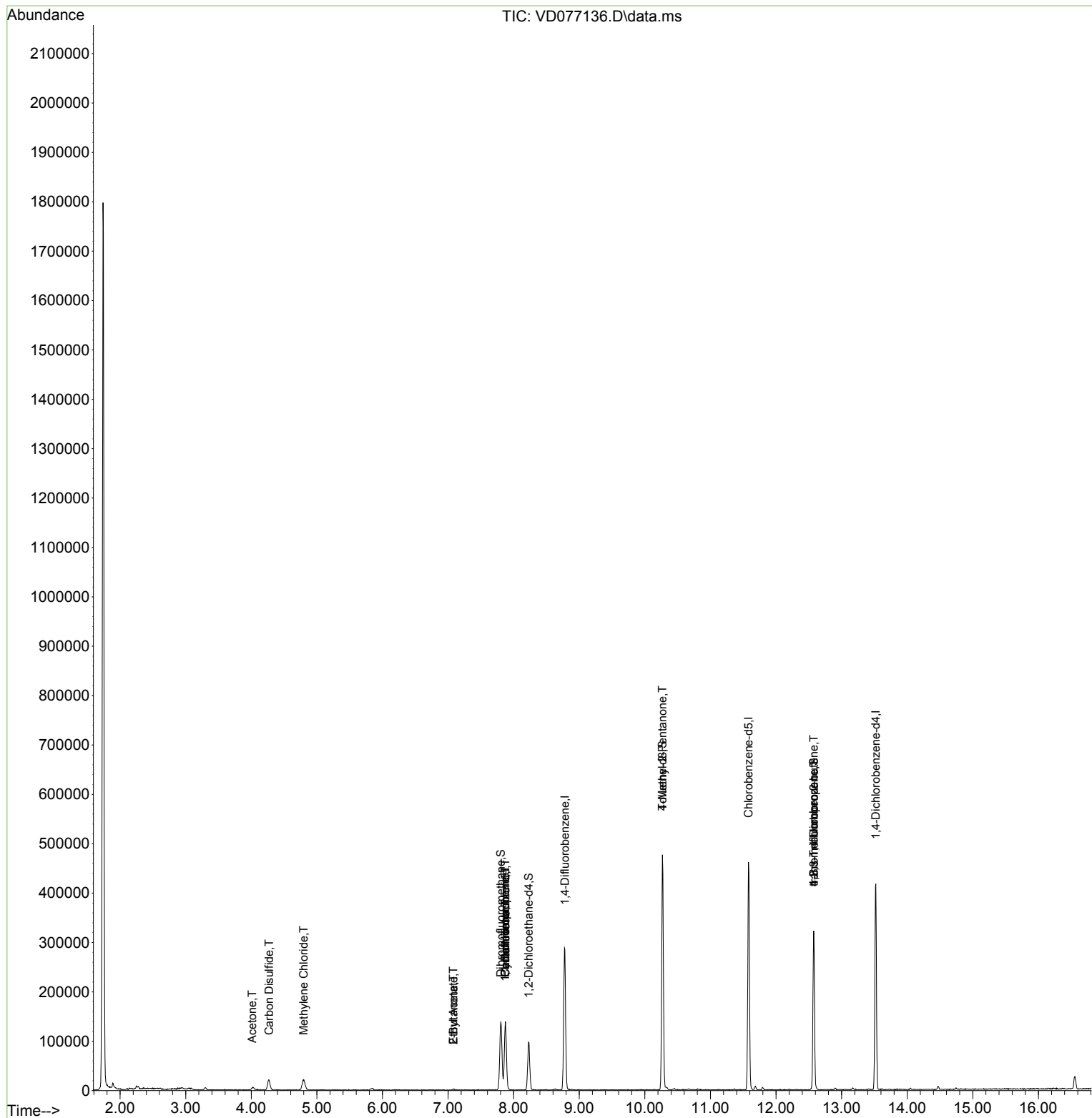
Internal Standards						
1) Pentafluorobenzene	7.875	168	110158	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	270985	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	287361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	106639	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	71538	64.348	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.700%	
35) Dibromofluoromethane	7.804	113	100165	53.216	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.440%	
50) Toluene-d8	10.269	98	331105	49.421	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.840%	
62) 4-Bromofluorobenzene	12.575	95	96764	46.599	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.200%	
Target Compounds						
					Qvalue	
16) Acetone	4.016	43	9405	37.015	ug/l #	80
17) Carbon Disulfide	4.269	76	42712	10.125	ug/l #	94
20) Methylene Chloride	4.799	84	16211	4.052	ug/l	88
25) 2-Butanone	7.081	43	2478	7.413	ug/l	94
31) Cyclohexane	7.875	56	2453	1.261	ug/l #	61
36) 1,1-Dichloropropene	7.869	75	8341	2.942	ug/l #	46
37) Ethyl Acetate	7.081	43	2478	2.278	ug/l #	62
38) Carbon Tetrachloride	7.875	117	10852	3.895	ug/l #	14
51) 4-Methyl-2-Pentanone	10.269	43	1505	1.437	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	47473	55.809	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	47473	105.635	ug/l #	17

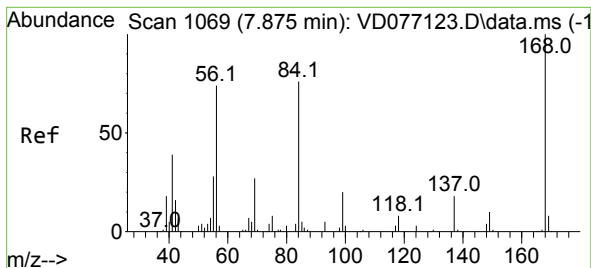
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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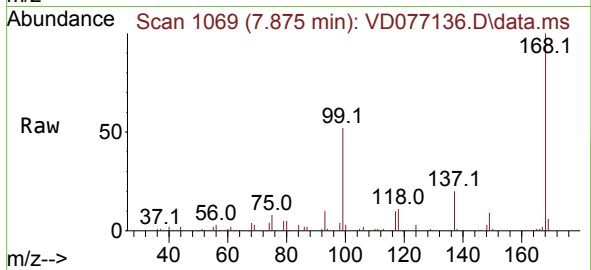
Quant Time: Sep 19 04:58:46 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 19 04:46:37 2023
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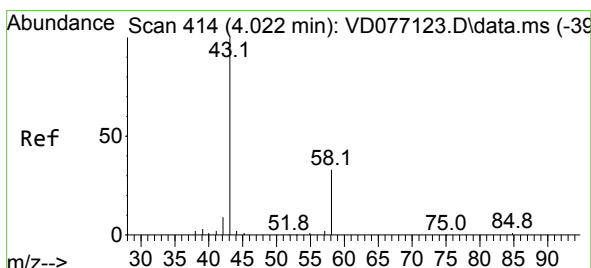
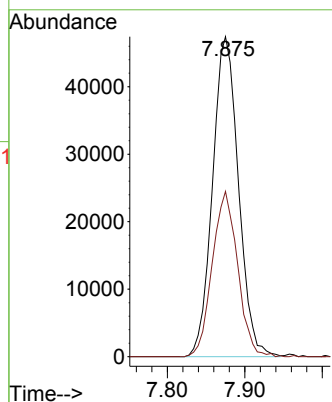
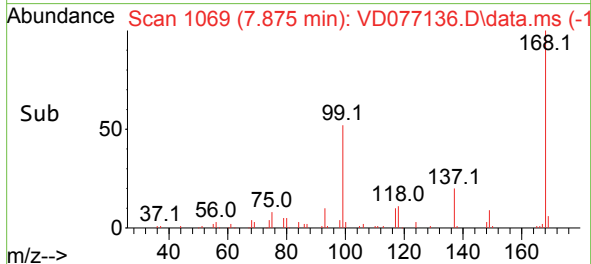


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077136.D
Acq: 18 Sep 2023 18:12

Instrument :
MSVOA_D
ClientSampleId :

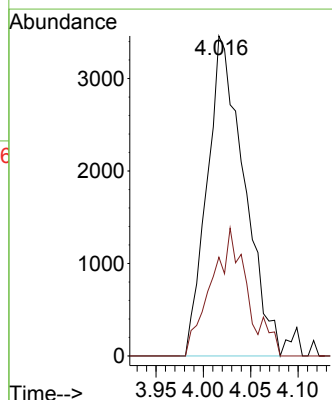
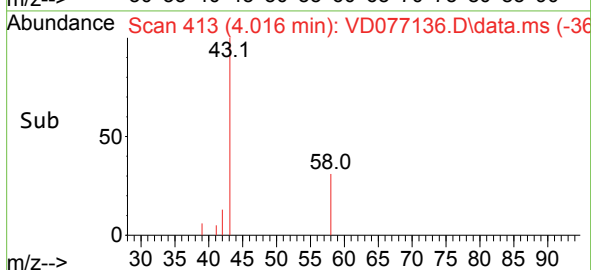
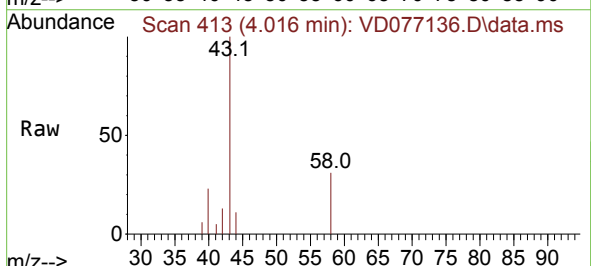


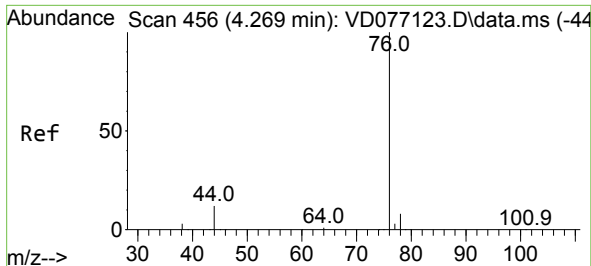
Tgt Ion:168 Resp: 110158
Ion Ratio Lower Upper
168 100
99 51.7 36.7 55.1



#16
Acetone
Concen: 37.015 ug/l
RT: 4.016 min Scan# 413
Delta R.T. -0.006 min
Lab File: VD077136.D
Acq: 18 Sep 2023 18:12

Tgt Ion: 43 Resp: 9405
Ion Ratio Lower Upper
43 100
58 30.9 34.7 52.1#

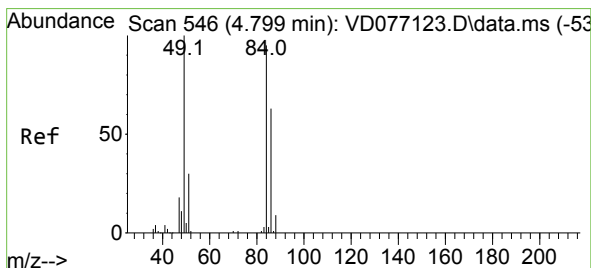
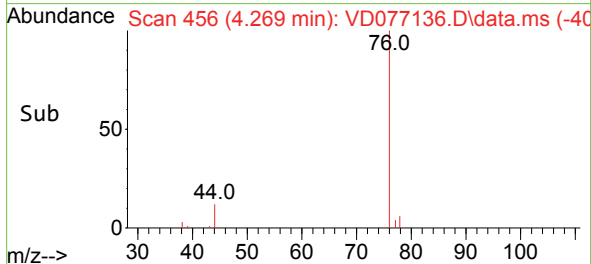
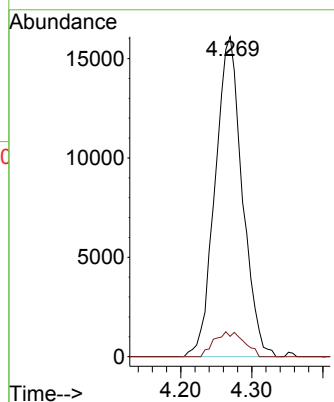
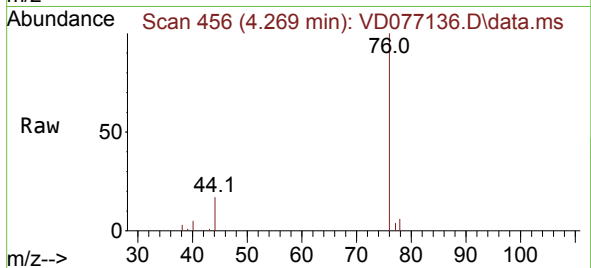




#17
Carbon Disulfide
Concen: 10.125 ug/l
RT: 4.269 min Scan# 456
Delta R.T. 0.000 min
Lab File: VD077136.D
Acq: 18 Sep 2023 18:12

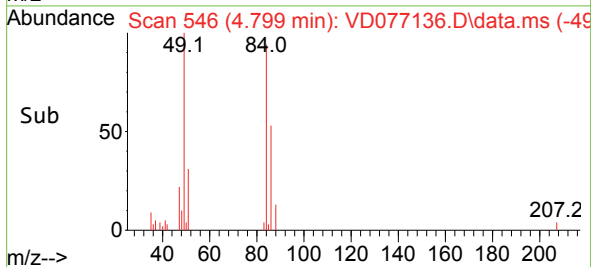
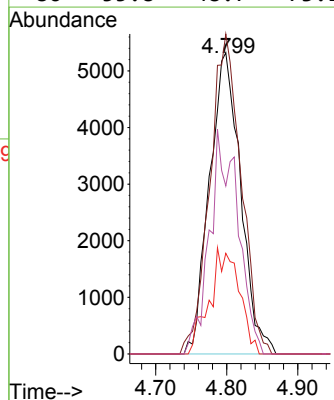
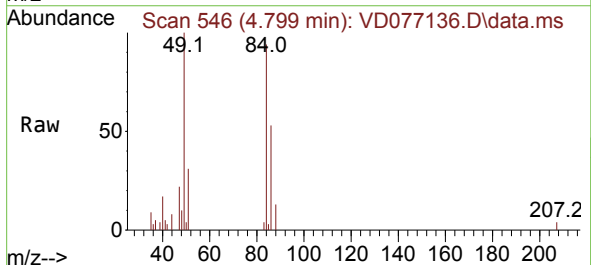
Instrument :
MSVOA_D
ClientSampleId :

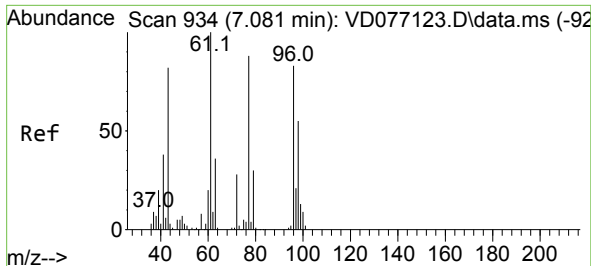
Tgt Ion: 76 Resp: 42712
Ion Ratio Lower Upper
76 100
78 6.4 6.8 10.2#



#20
Methylene Chloride
Concen: 4.052 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD077136.D
Acq: 18 Sep 2023 18:12

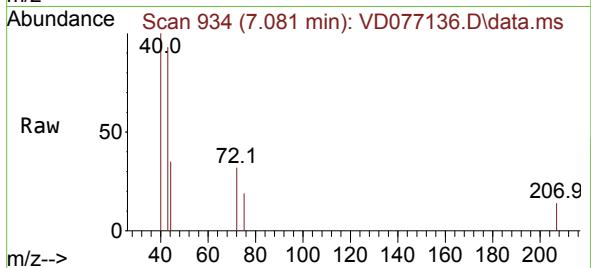
Tgt Ion: 84 Resp: 16211
Ion Ratio Lower Upper
84 100
49 106.2 71.4 107.2
51 33.4 24.5 36.7
86 55.8 48.7 73.1



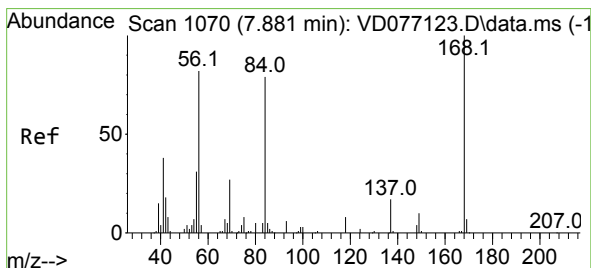
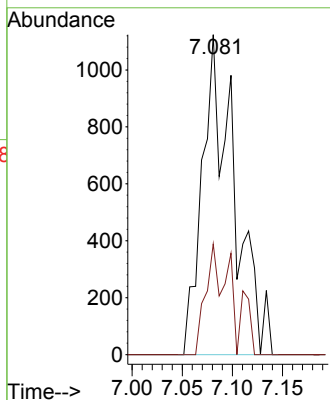
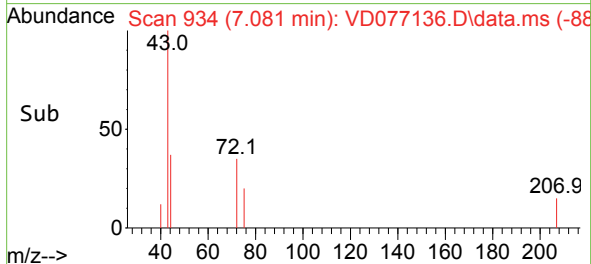


#25
2-Butanone
Concen: 7.413 ug/l
RT: 7.081 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD077136.D
Acq: 18 Sep 2023 18:12

Instrument :
MSVOA_D
ClientSampleId :

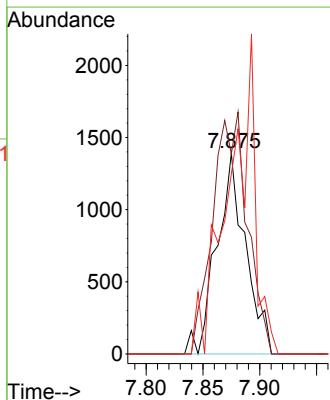
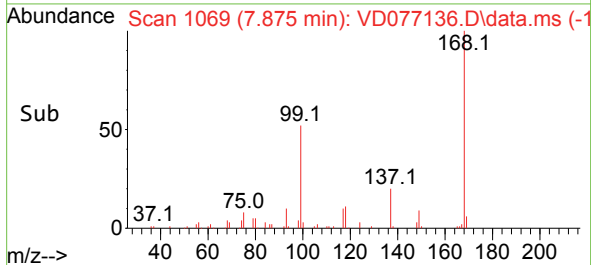
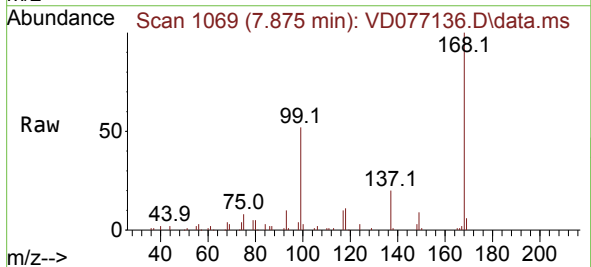


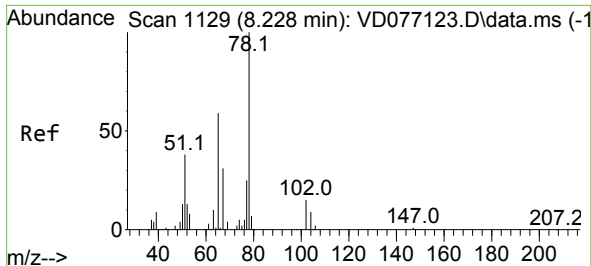
Tgt Ion: 43 Resp: 2478
Ion Ratio Lower Upper
43 100
72 34.6 30.7 46.1



#31
Cyclohexane
Concen: 1.261 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD077136.D
Acq: 18 Sep 2023 18:12

Tgt Ion: 56 Resp: 2453
Ion Ratio Lower Upper
56 100
69 99.6 28.6 43.0#
84 89.6 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 64.348 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077136.D

Acq: 18 Sep 2023 18:12

Instrument :

MSVOA_D

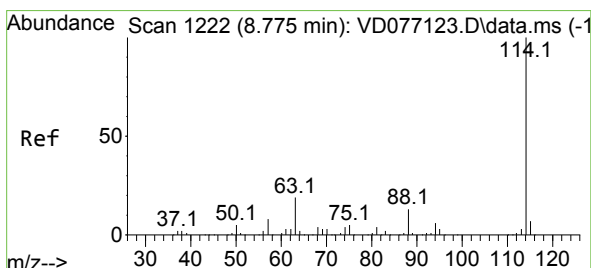
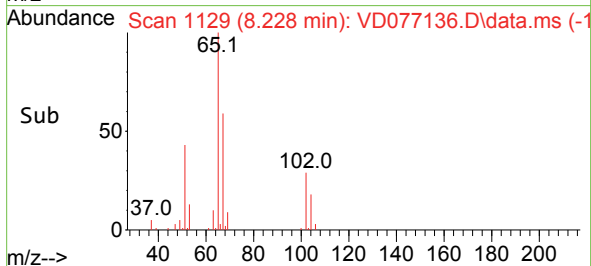
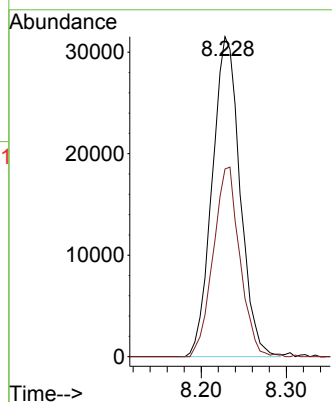
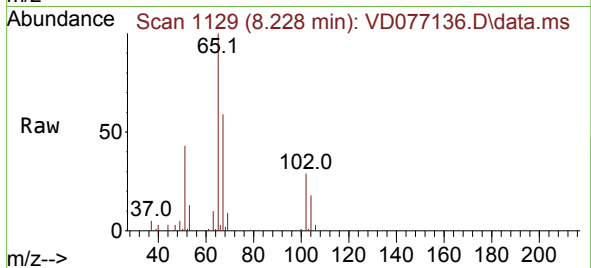
ClientSampleId :

Tgt Ion: 65 Resp: 71538

Ion Ratio Lower Upper

65 100

67 56.9 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD077136.D

Acq: 18 Sep 2023 18:12

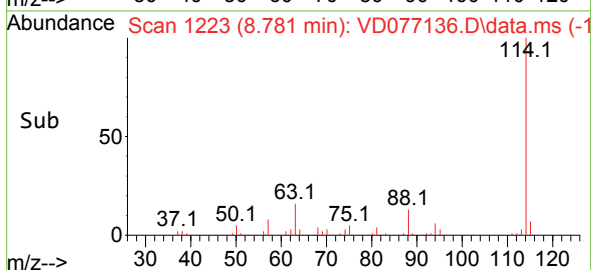
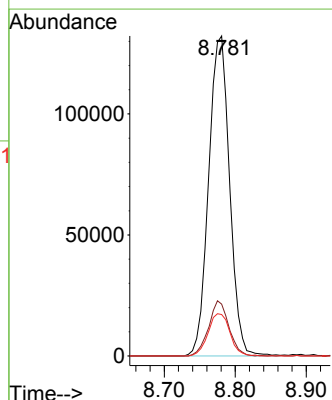
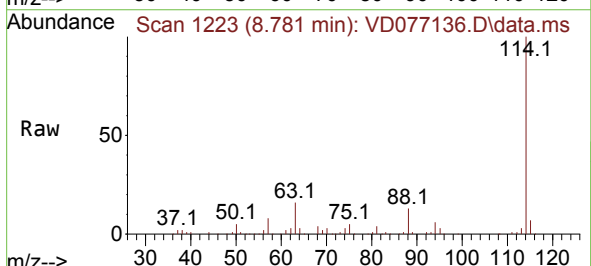
Tgt Ion: 114 Resp: 270985

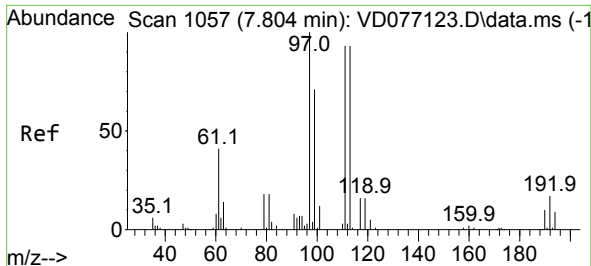
Ion Ratio Lower Upper

114 100

63 16.2 0.0 33.4

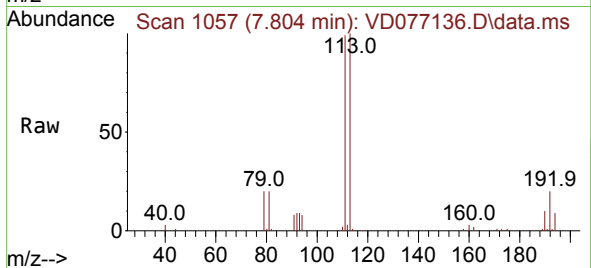
88 13.0 0.0 26.2



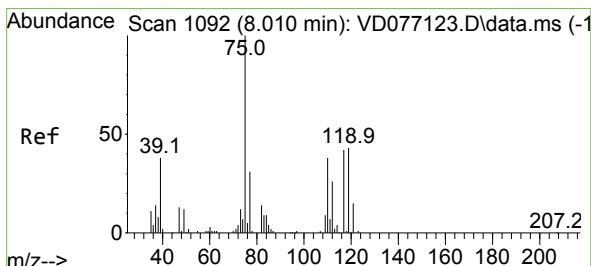
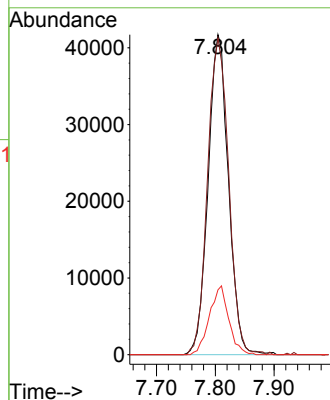
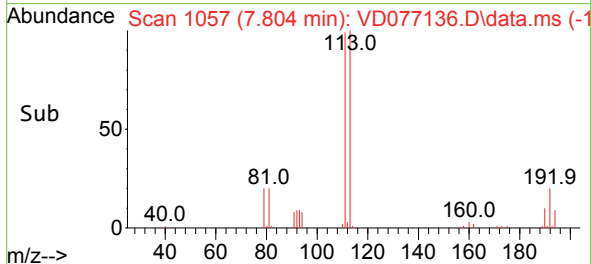


#35
Dibromofluoromethane
Concen: 53.216 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD077136.D
Acq: 18 Sep 2023 18:12

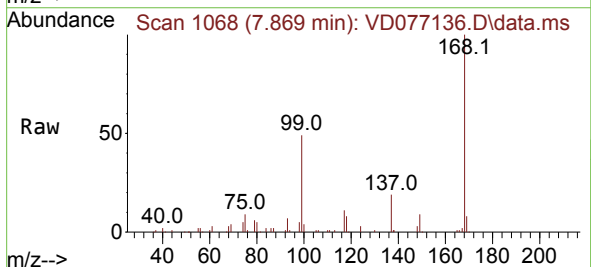
Instrument :
MSVOA_D
ClientSampleId :



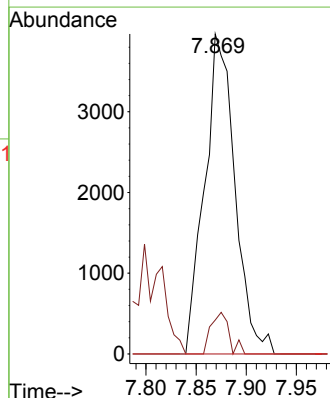
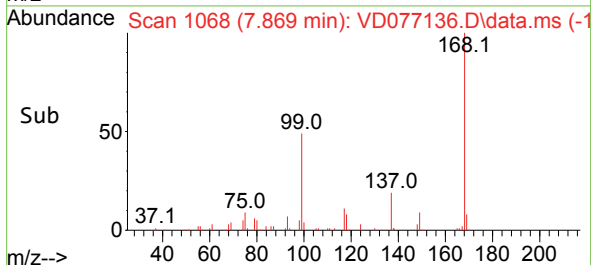
Tgt Ion:113 Resp: 100165
Ion Ratio Lower Upper
113 100
111 102.7 84.7 127.1
192 20.5 16.8 25.2

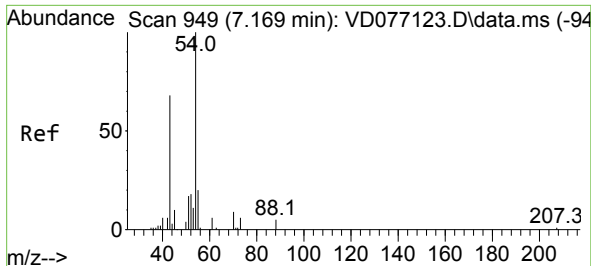


#36
1,1-Dichloropropene
Concen: 2.942 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VD077136.D
Acq: 18 Sep 2023 18:12



Tgt Ion: 75 Resp: 8341
Ion Ratio Lower Upper
75 100
110 7.8 19.9 59.6#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 2.278 ug/l

RT: 7.081 min Scan# 91

Delta R.T. -0.088 min

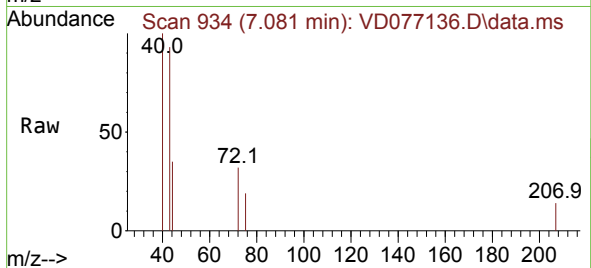
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Acq: 18 Sep 2023 18:12

Instrument :

MSVOA_D

ClientSampleId :



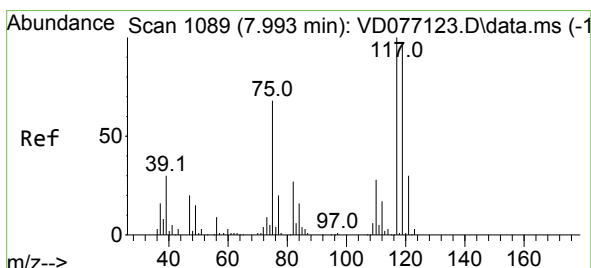
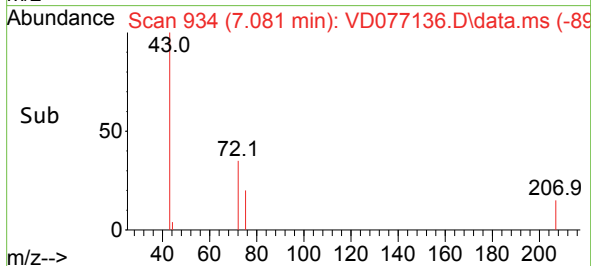
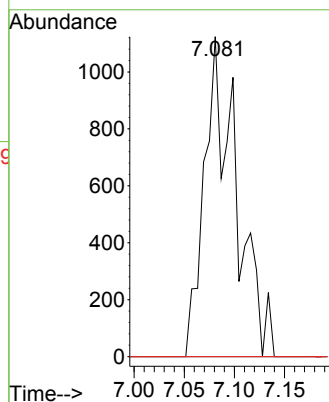
Tgt Ion: 43 Resp: 2478

Ion Ratio Lower Upper

43 100

61 0.0 14.9 22.3#

70 0.0 10.0 15.0#



#38

Carbon Tetrachloride

Concen: 3.895 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD077136.D

Acq: 18 Sep 2023 18:12

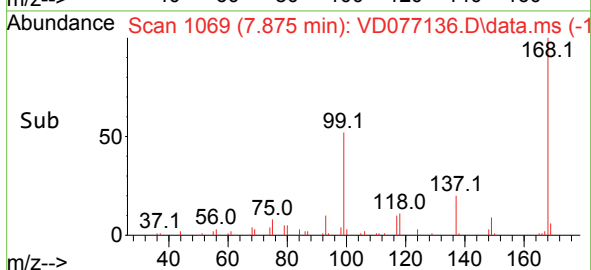
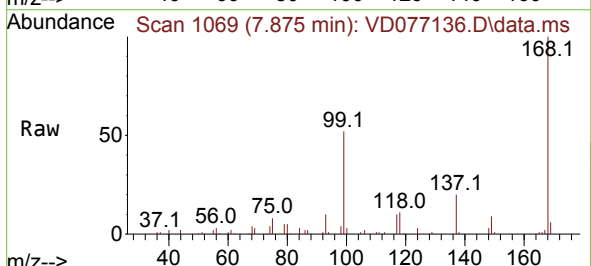
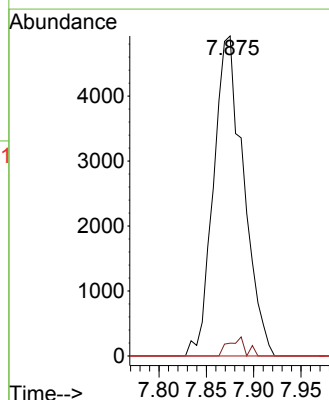
Tgt Ion: 117 Resp: 10852

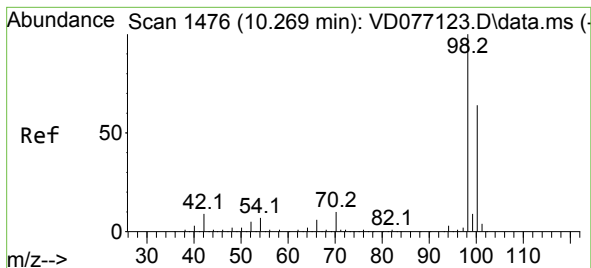
Ion Ratio Lower Upper

117 100

119 4.0 78.0 117.0#

121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 49.421 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077136.D

Acq: 18 Sep 2023 18:12

Instrument :

MSVOA_D

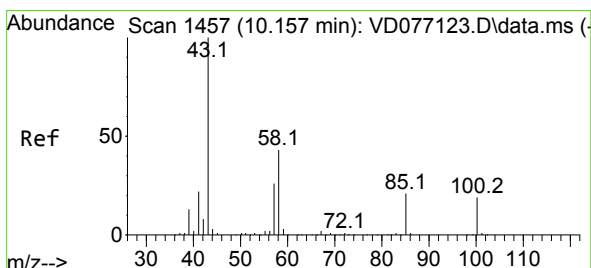
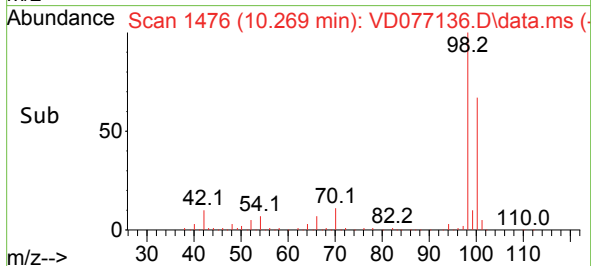
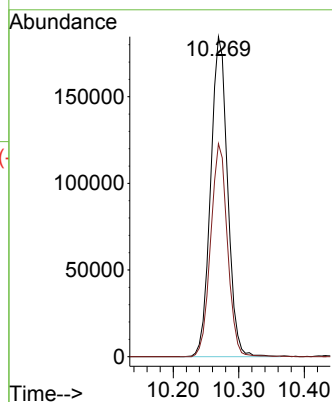
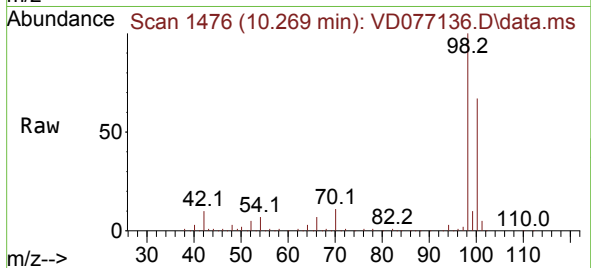
ClientSampleId :

Tgt Ion: 98 Resp: 331105

Ion Ratio Lower Upper

98 100

100 65.8 50.3 75.5



#51

4-Methyl-2-Pentanone

Concen: 1.437 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.112 min

Lab File: VD077136.D

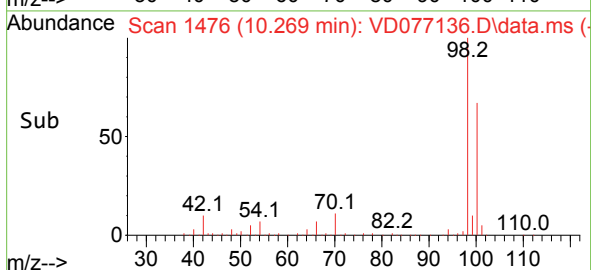
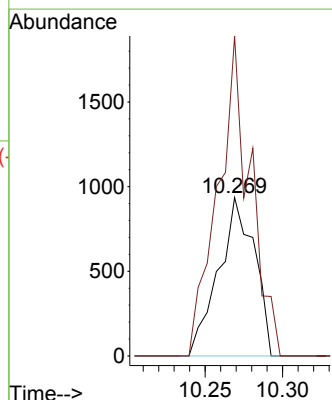
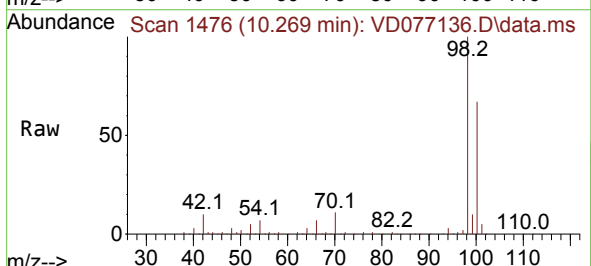
Acq: 18 Sep 2023 18:12

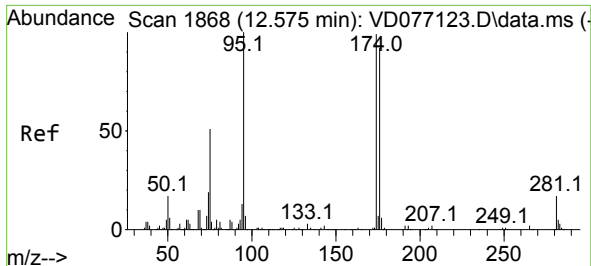
Tgt Ion: 43 Resp: 1505

Ion Ratio Lower Upper

43 100

58 182.7 38.9 58.3#

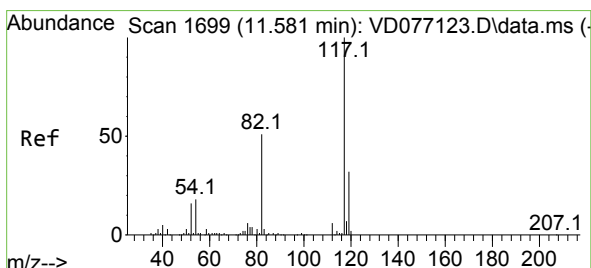
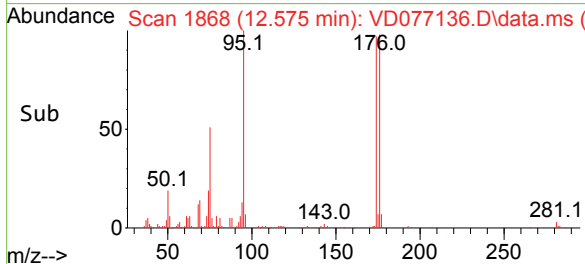
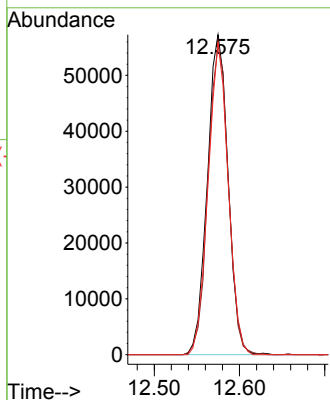
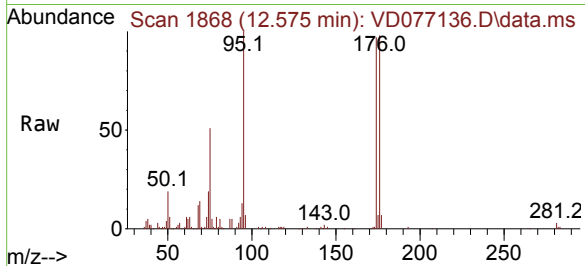




#62
4-Bromofluorobenzene
Concen: 46.599 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077136.D
Acq: 18 Sep 2023 18:12

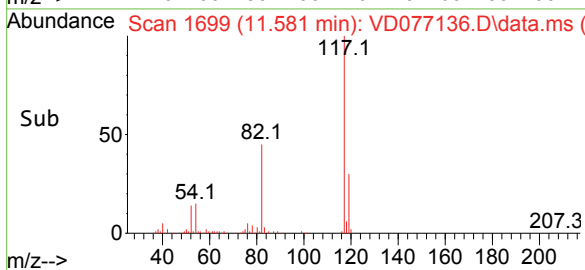
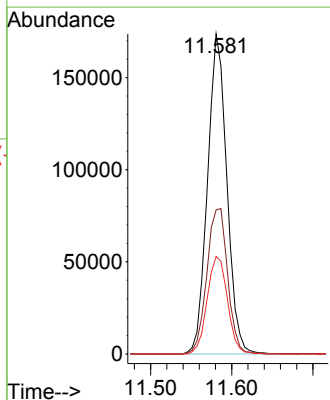
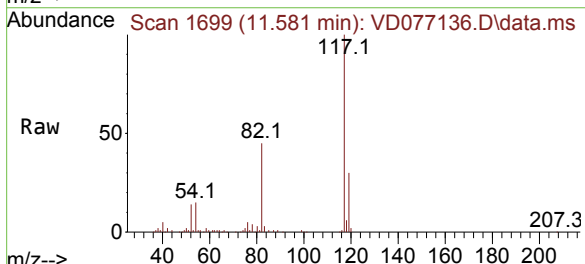
Instrument :
MSVOA_D
ClientSampleId :

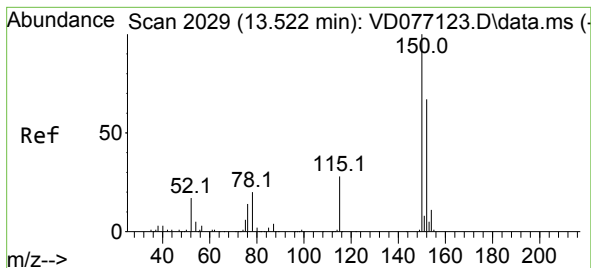
Tgt Ion: 95 Resp: 96764
Ion Ratio Lower Upper
95 100
174 95.5 0.0 201.8
176 94.1 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077136.D
Acq: 18 Sep 2023 18:12

Tgt Ion: 117 Resp: 287361
Ion Ratio Lower Upper
117 100
82 45.0 38.3 57.5
119 30.5 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. 0.000 min

Lab File: VD077136.D

Acq: 18 Sep 2023 18:12

Instrument :

MSVOA_D

ClientSampleId :

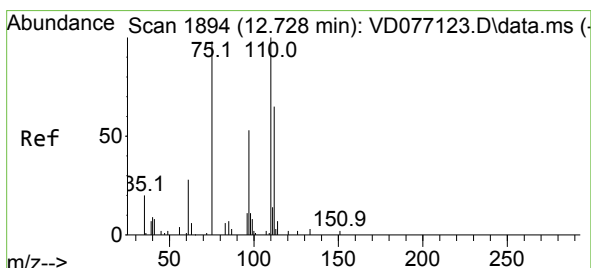
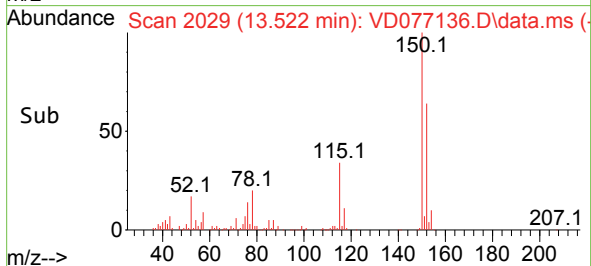
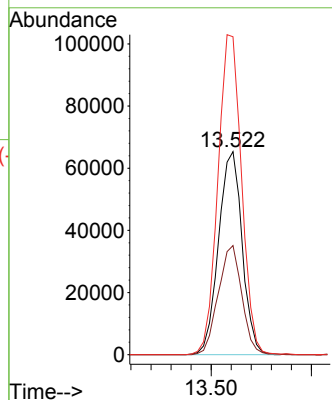
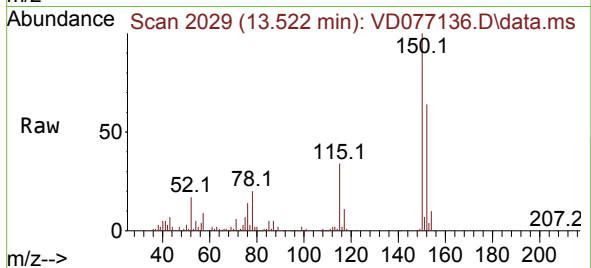
Tgt Ion:152 Resp: 106639

Ion Ratio Lower Upper

152 100

115 53.7 27.1 81.3

150 157.8 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 55.809 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD077136.D

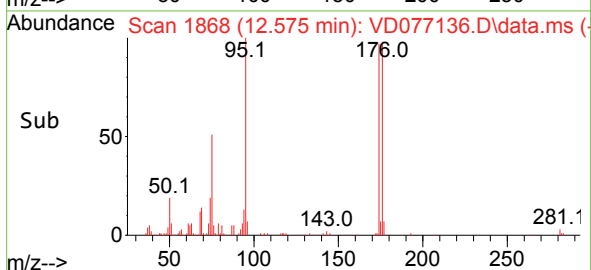
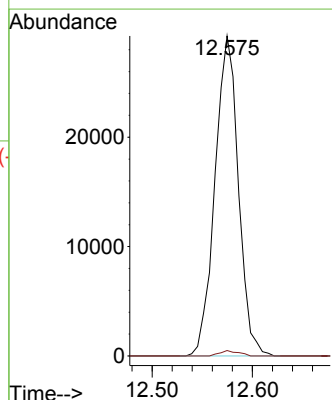
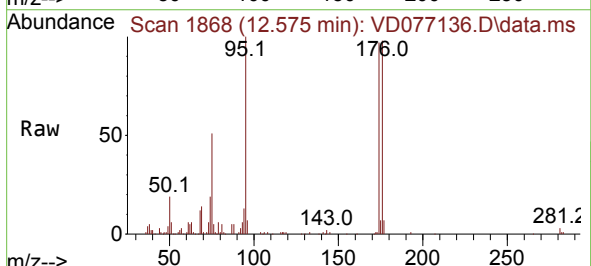
Acq: 18 Sep 2023 18:12

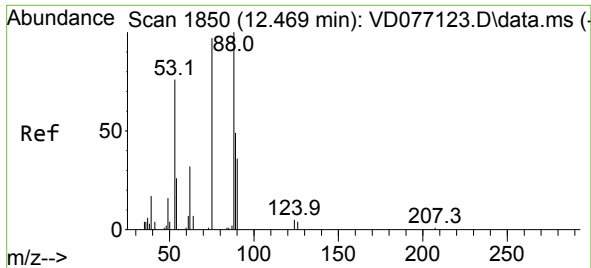
Tgt Ion: 75 Resp: 47473

Ion Ratio Lower Upper

75 100

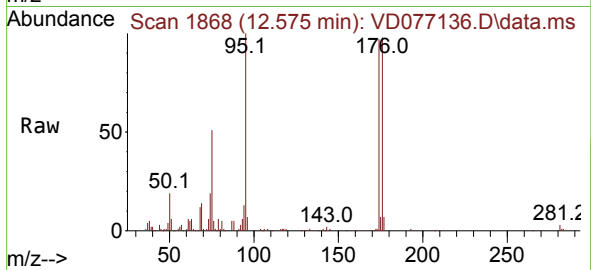
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 105.635 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD077136.D
 Acq: 18 Sep 2023 18:12

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	47473
Ion	Ratio	Lower	Upper
75	100		
53	0.2	63.0	94.4#
89	0.0	37.9	56.9#

