

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032124\
 Data File : VD078727.D
 Acq On : 21 Mar 2024 16:41
 Operator : RP/MD
 Sample : P1816-01
 Misc : 5.02G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 22 06:56:24 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)

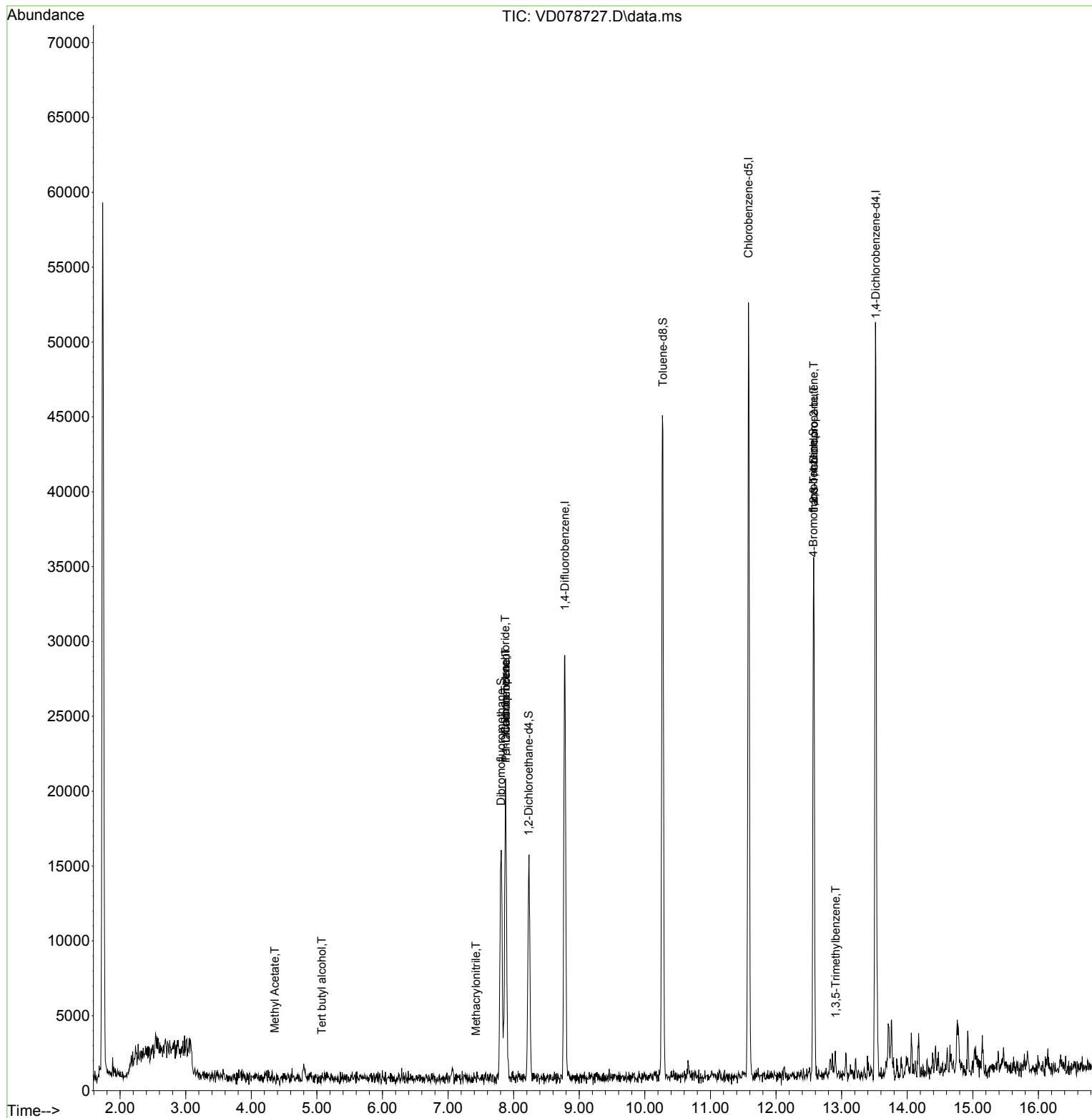
Internal Standards						
1) Pentafluorobenzene	7.881	168	15293	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	27082	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	30626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	13640	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	11220	78.286	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 156.580%	
35) Dibromofluoromethane	7.810	113	11858	68.006	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 136.020%	
50) Toluene-d8	10.275	98	33428	52.128	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.260%	
62) 4-Bromofluorobenzene	12.569	95	10732	57.205	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 114.400%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.075	59	54	8.419	ug/l #	75
18) Methyl Acetate	4.358	43	61	1.026	ug/l #	43
20) Methylene Chloride	4.799	84	516	Below Cal	#	68
36) 1,1-Dichloropropene	7.881	75	1437	5.680	ug/l #	40
38) Carbon Tetrachloride	7.875	117	1478	5.541	ug/l #	11
41) Methacrylonitrile	7.428	41	76	1.755	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	5509	52.423	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.910	105	1328	1.788	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.575	75	5509	109.887	ug/l #	19

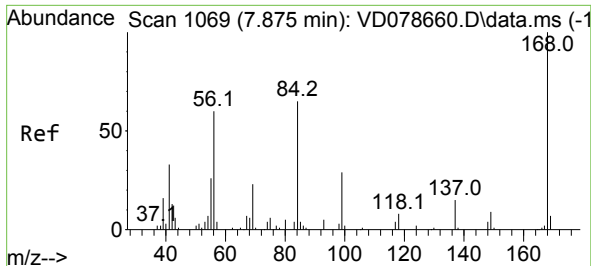
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

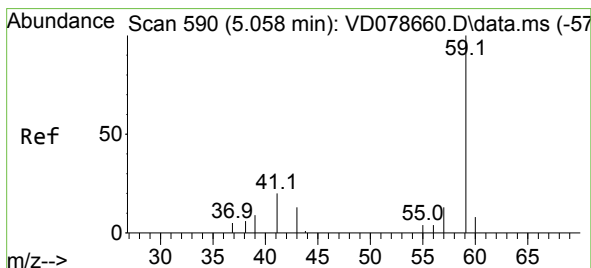
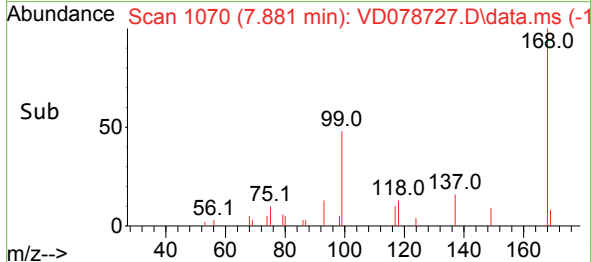
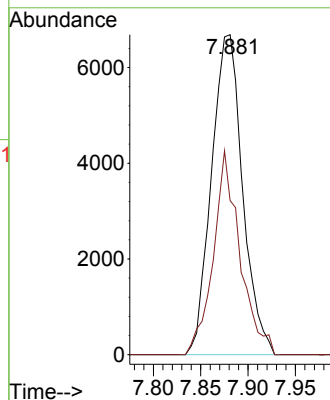
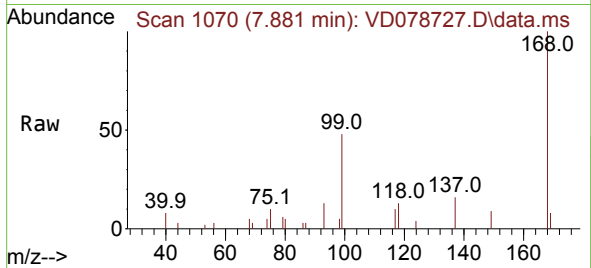




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD078727.D
Acq: 21 Mar 2024 16:41

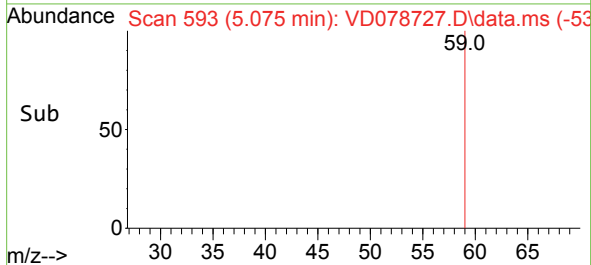
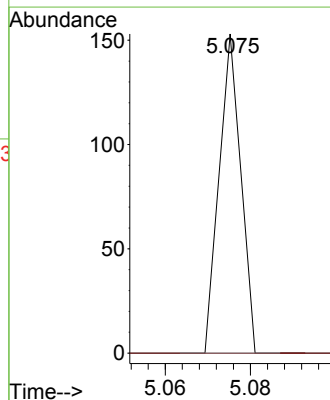
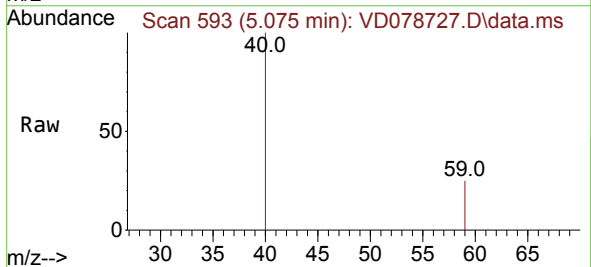
Instrument :
MSVOA_D
ClientSampleId :

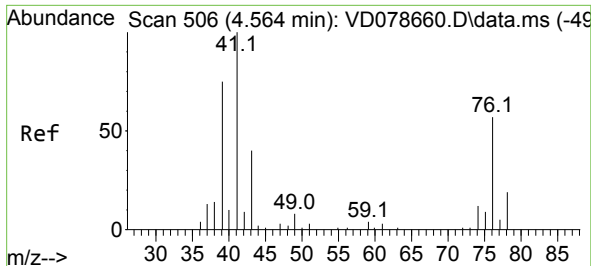
Tgt Ion:168 Resp: 15293
Ion Ratio Lower Upper
168 100
99 48.2 38.8 58.2



#11
Tert butyl alcohol
Concen: 8.419 ug/l
RT: 5.075 min Scan# 593
Delta R.T. 0.018 min
Lab File: VD078727.D
Acq: 21 Mar 2024 16:41

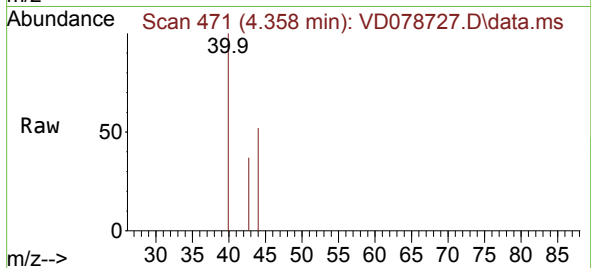
Tgt Ion: 59 Resp: 54
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



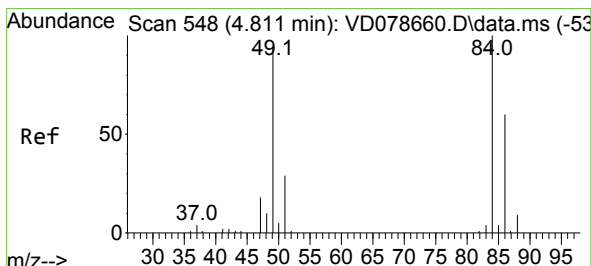
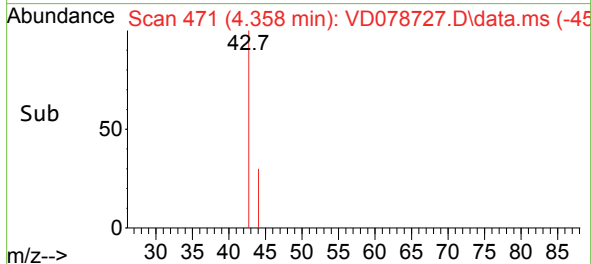
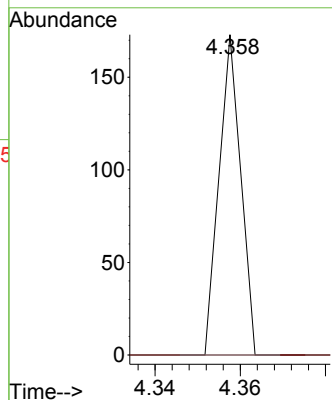


#18
Methyl Acetate
Concen: 1.026 ug/l
RT: 4.358 min Scan# 41
Delta R.T. -0.206 min
Lab File: VD078727.D
Acq: 21 Mar 2024 16:41

Instrument :
MSVOA_D
ClientSampleId :

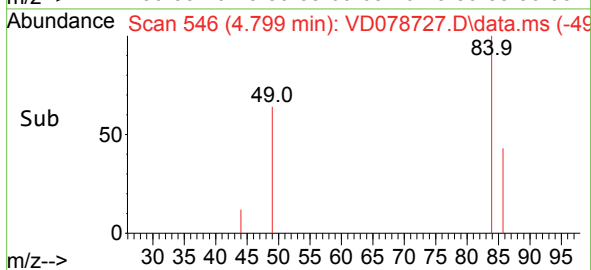
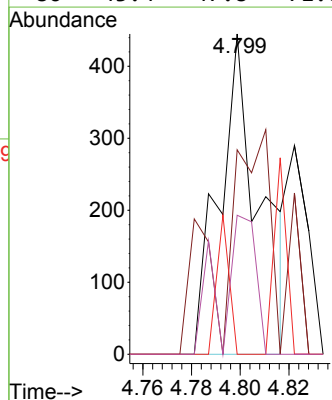
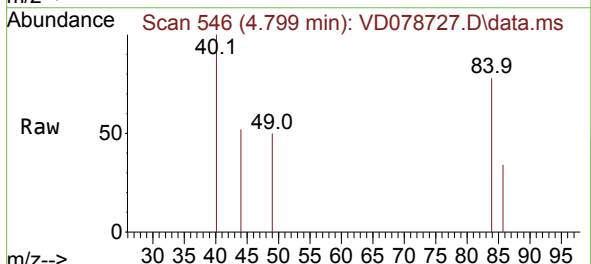


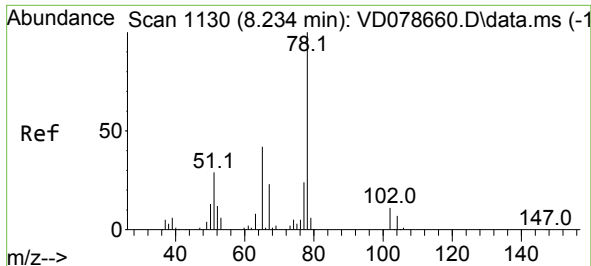
Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
74 0.0 25.3 37.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 546
Delta R.T. -0.012 min
Lab File: VD078727.D
Acq: 21 Mar 2024 16:41

Tgt Ion: 84 Resp: 516
Ion Ratio Lower Upper
84 100
49 63.8 75.6 113.4#
51 0.0 23.4 35.0#
86 43.4 47.8 71.6#





#33

1,2-Dichloroethane-d4

Concen: 78.286 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD078727.D

Acq: 21 Mar 2024 16:41

Instrument :

MSVOA_D

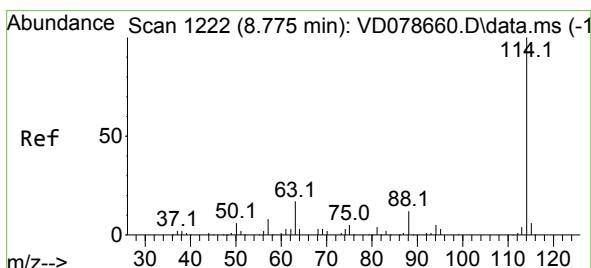
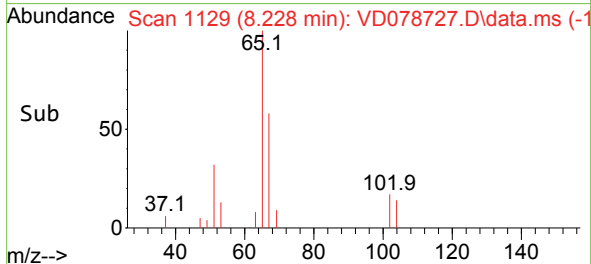
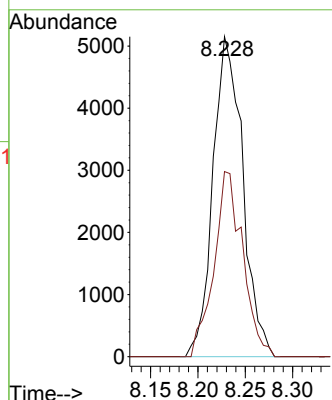
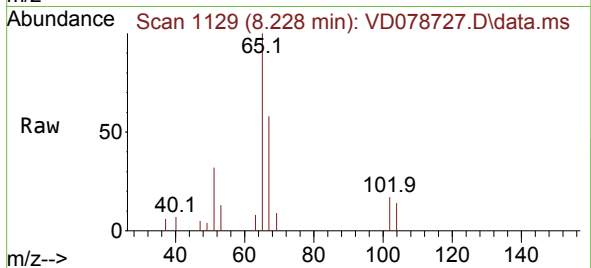
ClientSampleId :

Tgt Ion: 65 Resp: 11220

Ion Ratio Lower Upper

65 100

67 56.1 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: VD078727.D

Acq: 21 Mar 2024 16:41

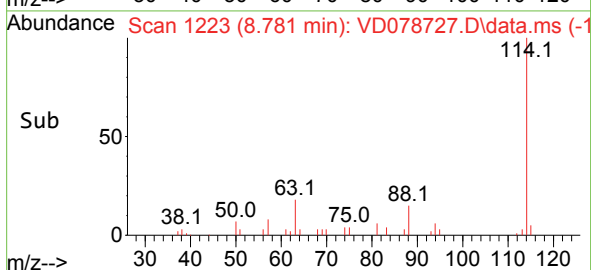
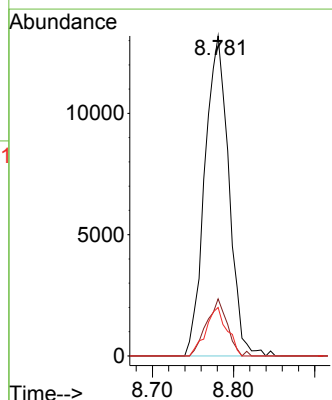
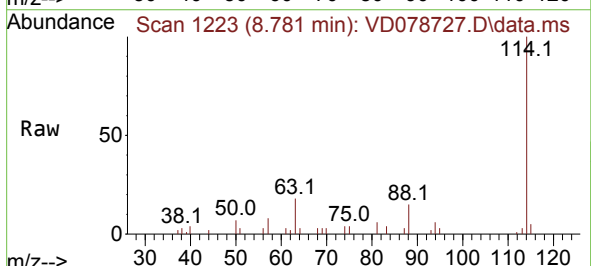
Tgt Ion: 114 Resp: 27082

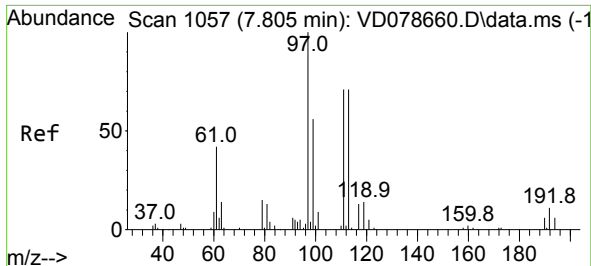
Ion Ratio Lower Upper

114 100

63 17.9 0.0 33.4

88 15.2 0.0 24.6





#35

Dibromofluoromethane

Concen: 68.006 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

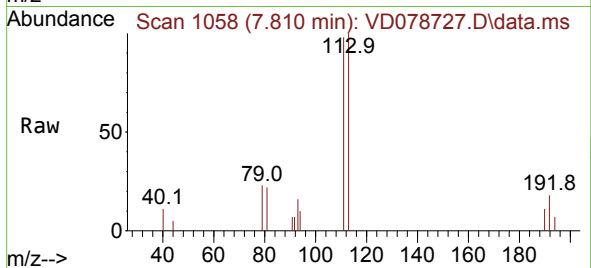
Lab File: VD078727.D

Acq: 21 Mar 2024 16:41

Instrument :

MSVOA_D

ClientSampleId :



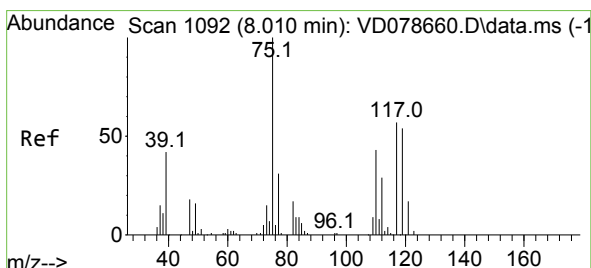
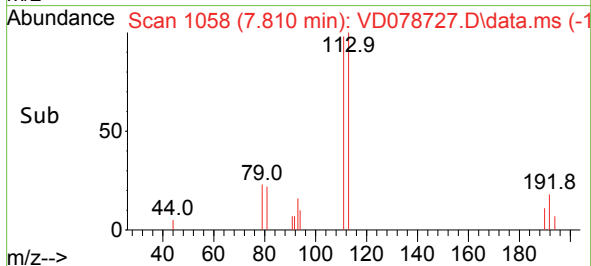
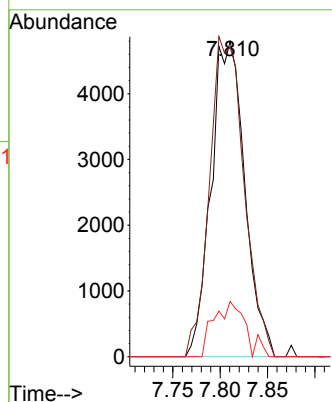
Tgt Ion:113 Resp: 11858

Ion Ratio Lower Upper

113 100

111 103.3 81.9 122.9

192 16.5 15.4 23.0



#36

1,1-Dichloropropene

Concen: 5.680 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.129 min

Lab File: VD078727.D

Acq: 21 Mar 2024 16:41

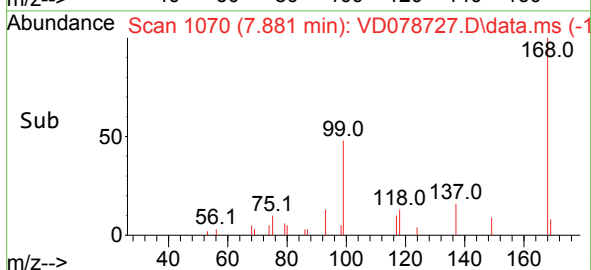
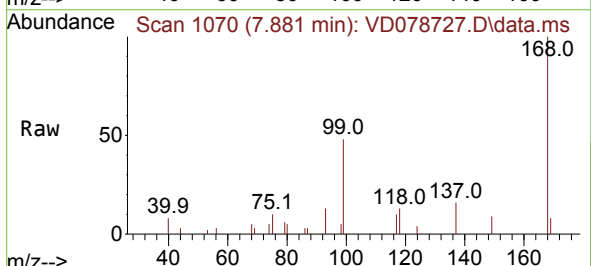
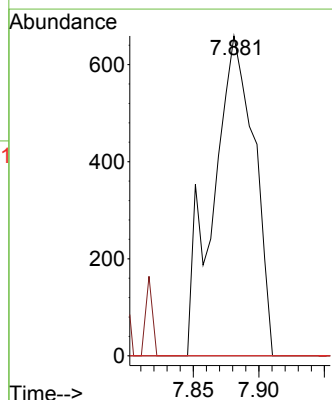
Tgt Ion: 75 Resp: 1437

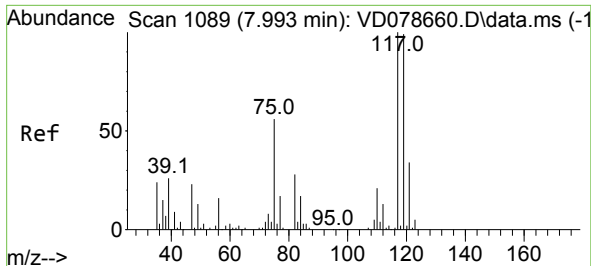
Ion Ratio Lower Upper

75 100

110 0.0 19.1 57.1#

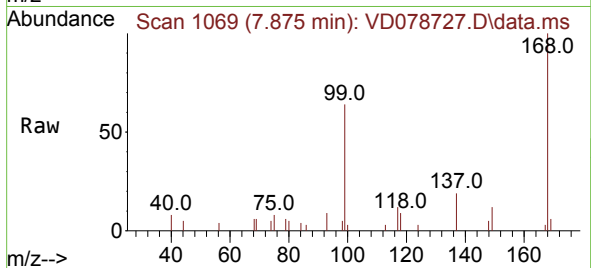
77 0.0 25.4 38.2#



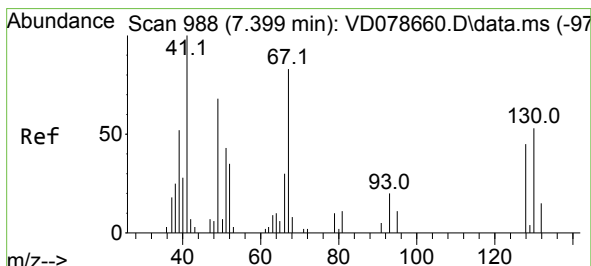
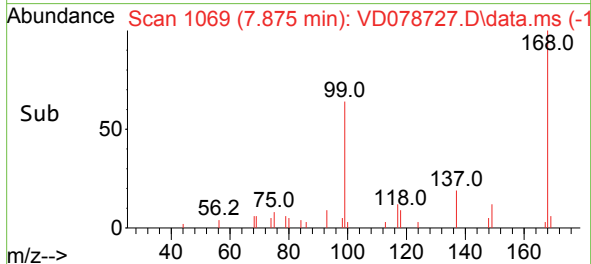
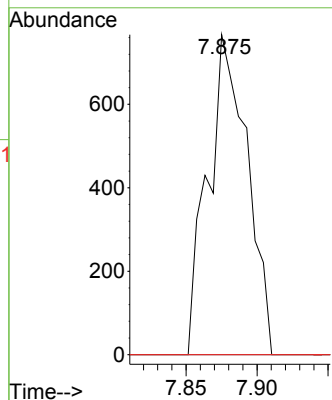


#38
Carbon Tetrachloride
Concen: 5.541 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD078727.D
Acq: 21 Mar 2024 16:41

Instrument :
MSVOA_D
ClientSampleId :

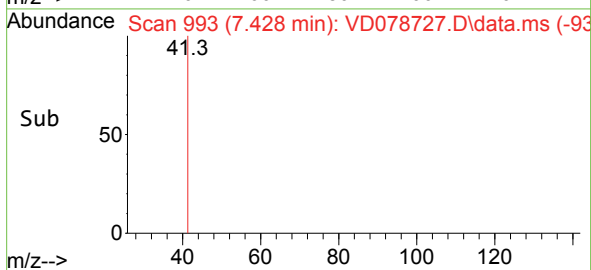
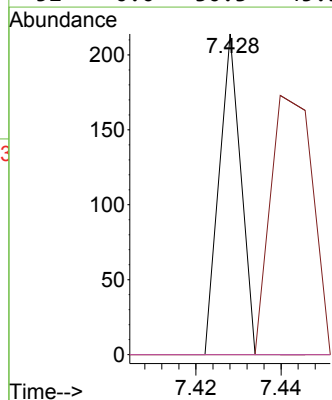
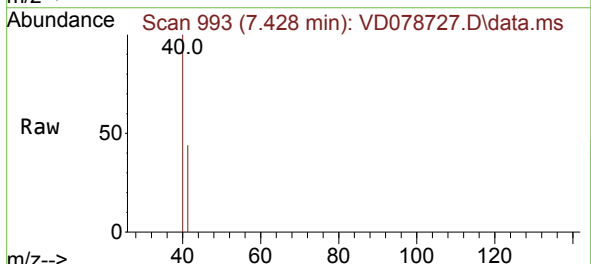


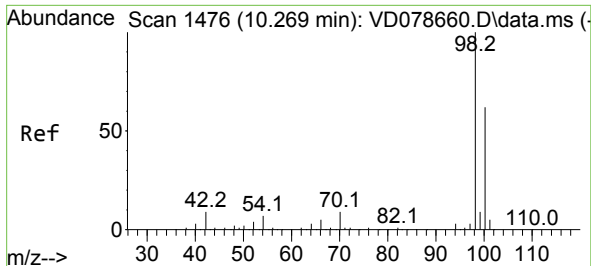
Tgt Ion:117 Resp: 1478
Ion Ratio Lower Upper
117 100
119 0.0 79.2 118.8#
121 0.0 26.8 40.2#



#41
Methacrylonitrile
Concen: 1.755 ug/l
RT: 7.428 min Scan# 993
Delta R.T. 0.029 min
Lab File: VD078727.D
Acq: 21 Mar 2024 16:41

Tgt Ion: 41 Resp: 76
Ion Ratio Lower Upper
41 100
39 156.6 39.8 59.6#
67 0.0 83.5 125.3#
52 0.0 30.3 45.5#

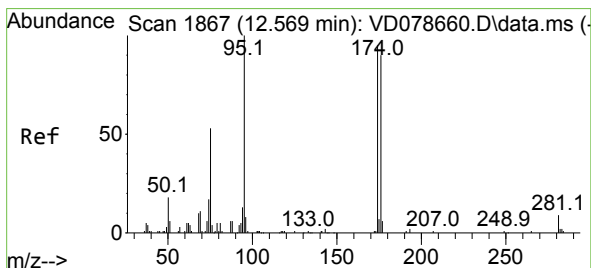
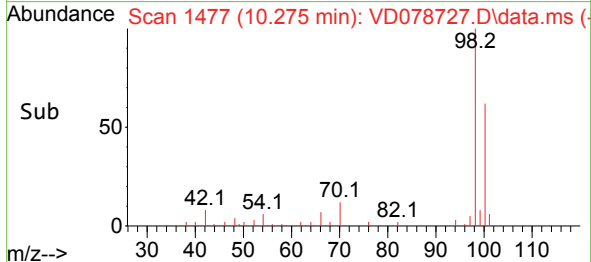
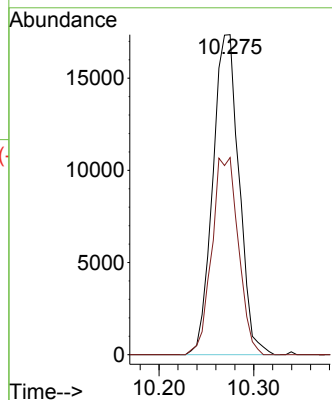
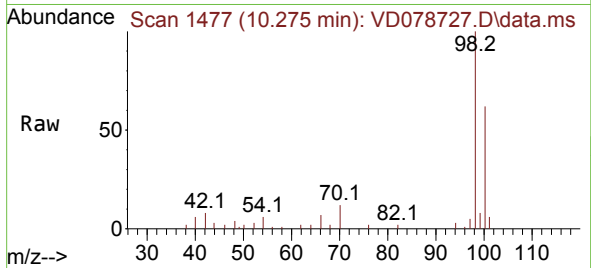




#50
Toluene-d8
Concen: 52.128 ug/l
RT: 10.275 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD078727.D
Acq: 21 Mar 2024 16:41

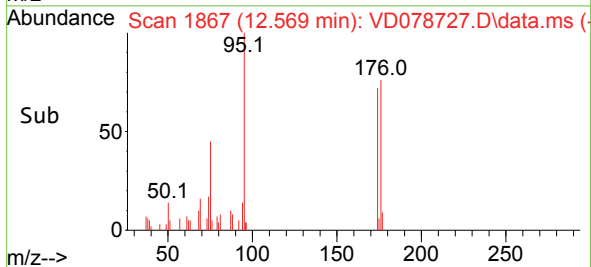
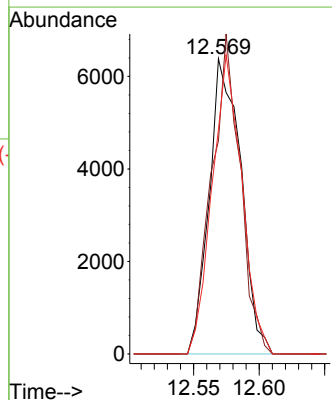
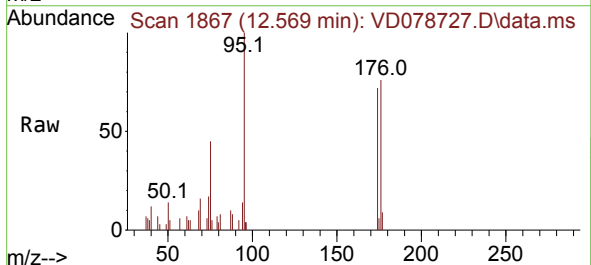
Instrument :
MSVOA_D
ClientSampleId :

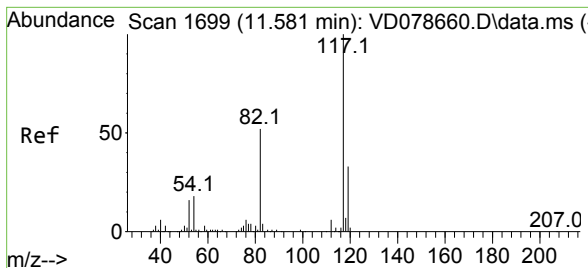
Tgt Ion: 98 Resp: 33428
Ion Ratio Lower Upper
98 100
100 62.3 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 57.205 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD078727.D
Acq: 21 Mar 2024 16:41

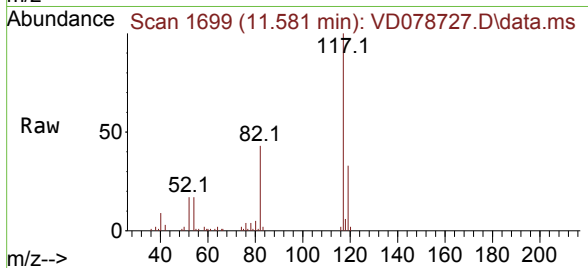
Tgt Ion: 95 Resp: 10732
Ion Ratio Lower Upper
95 100
174 96.9 0.0 195.2
176 95.0 0.0 188.2



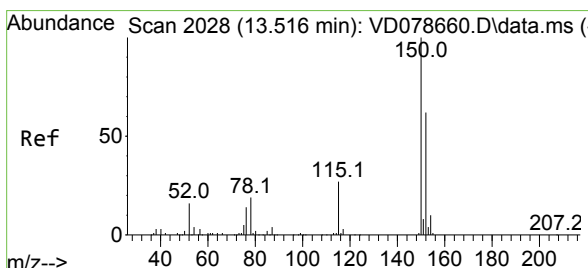
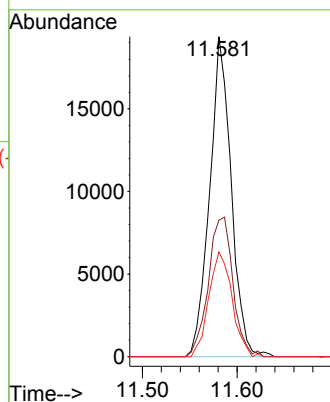
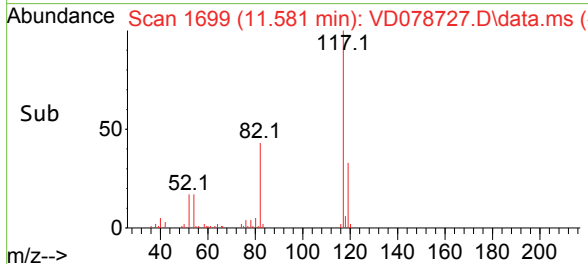


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD078727.D
Acq: 21 Mar 2024 16:41

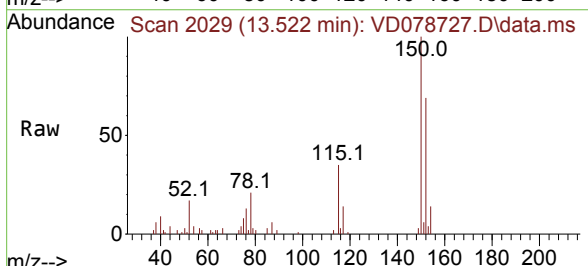
Instrument :
MSVOA_D
ClientSampleId :



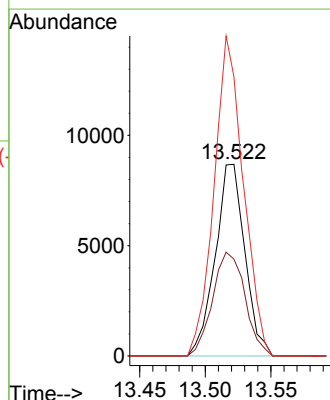
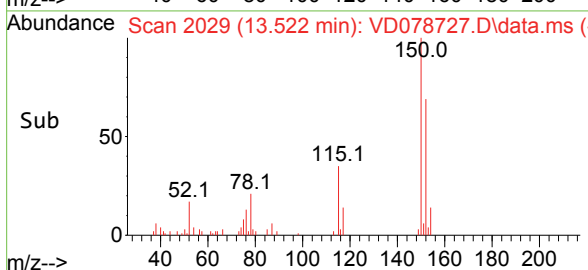
Tgt Ion:117 Resp: 30626
Ion Ratio Lower Upper
117 100
82 42.7 41.4 62.2
119 32.8 26.5 39.7

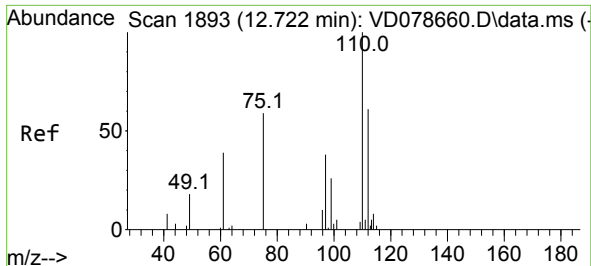


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD078727.D
Acq: 21 Mar 2024 16:41



Tgt Ion:152 Resp: 13640
Ion Ratio Lower Upper
152 100
115 59.1 27.1 81.2
150 165.0 0.0 350.2

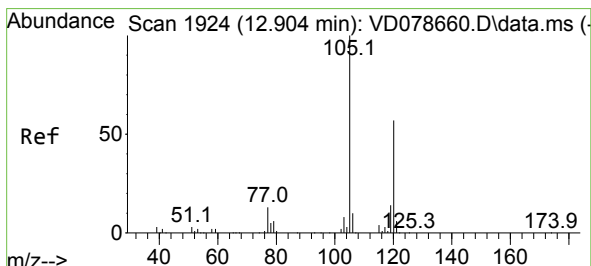
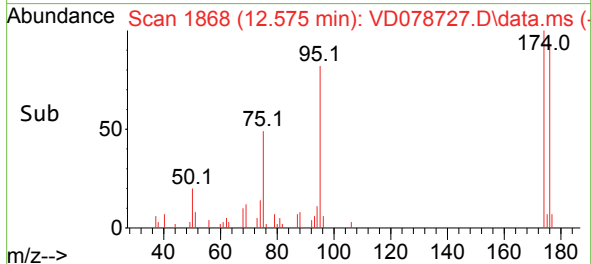
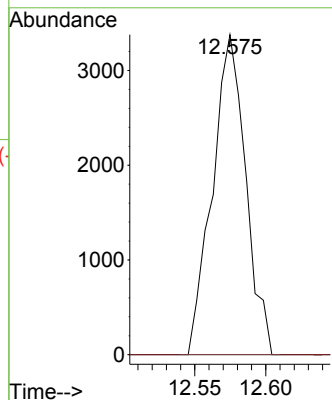
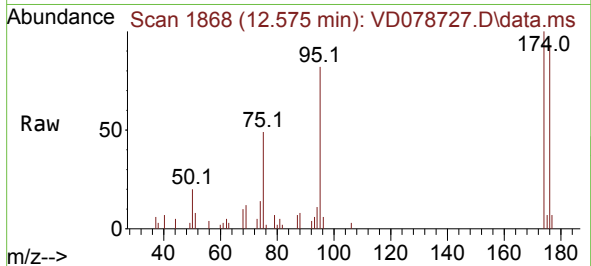




#76
1,2,3-Trichloropropane
Concen: 52.423 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD078727.D
Acq: 21 Mar 2024 16:41

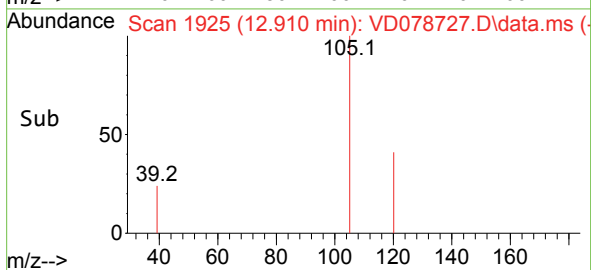
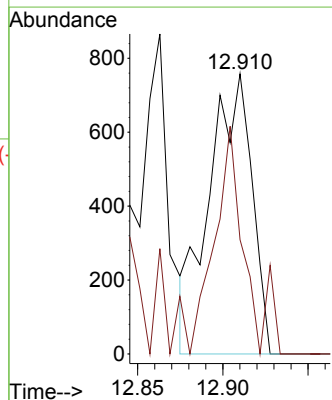
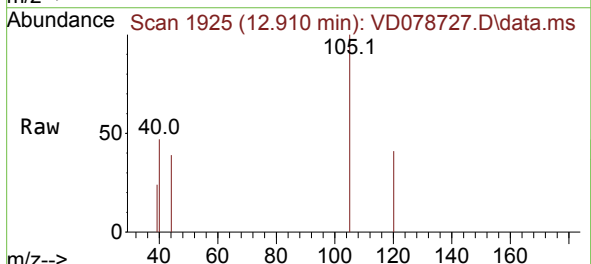
Instrument :
MSVOA_D
ClientSampleId :

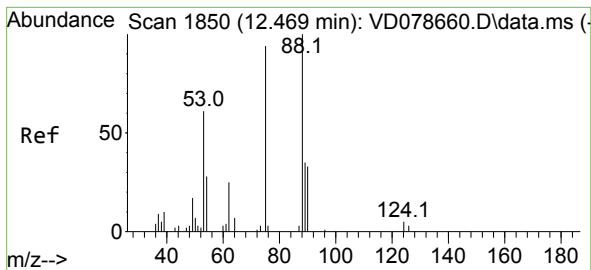
Tgt Ion: 75 Resp: 5509
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#80
1,3,5-Trimethylbenzene
Concen: 1.788 ug/l
RT: 12.910 min Scan# 1925
Delta R.T. 0.006 min
Lab File: VD078727.D
Acq: 21 Mar 2024 16:41

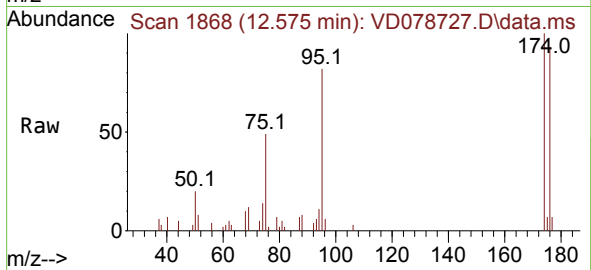
Tgt Ion:105 Resp: 1328
Ion Ratio Lower Upper
105 100
120 50.7 25.9 77.7





#81
trans-1,4-Dichloro-2-butene
Concen: 109.887 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078727.D
Acq: 21 Mar 2024 16:41

Instrument :
MSVOA_D
ClientSampleId :



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

