

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052423\
 Data File : VD076220.D
 Acq On : 24 May 2023 18:09
 Operator : KP/SY
 Sample : 02891-01
 Misc : 5.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 290-328

Quant Time: May 25 06:02:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

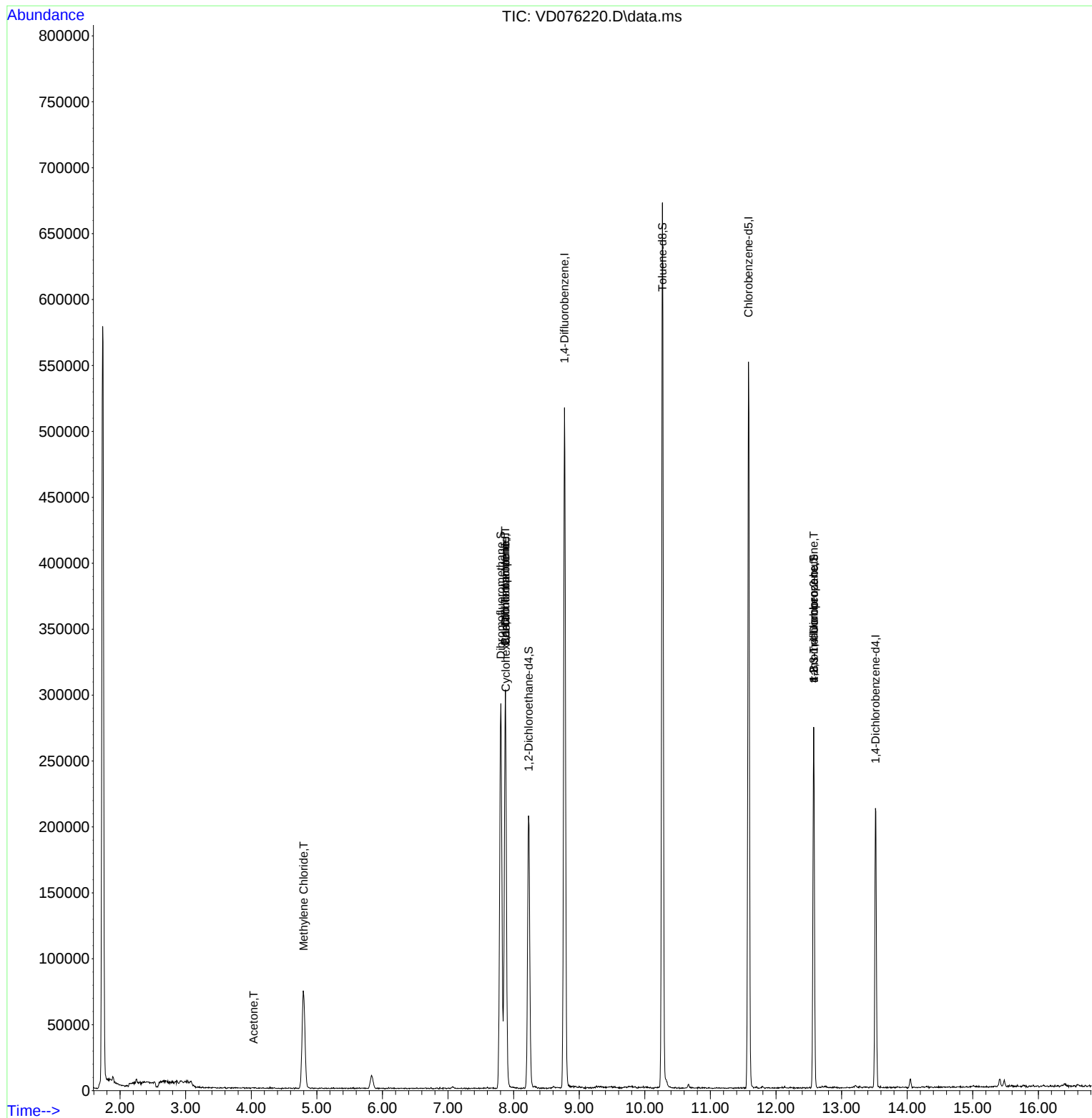
Internal Standards						
1) Pentafluorobenzene	7.875	168	237513	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	497472	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	340843	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	62423	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	158436	69.020	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	138.040%
35) Dibromofluoromethane	7.805	113	220281	64.061	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	128.120%
50) Toluene-d8	10.269	98	488508	36.443	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	72.880%
62) 4-Bromofluorobenzene	12.575	95	87777	23.573	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	47.140%
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	520	Below Cal	#	40
16) Acetone	4.034	43	863	1.890	ug/l #	44
17) Carbon Disulfide	4.275	76	57	Below Cal	#	73
20) Methylene Chloride	4.799	84	64608	10.629	ug/l #	76
31) Cyclohexane	7.881	56	4687	1.333	ug/l #	8
36) 1,1-Dichloropropene	7.875	75	18813	4.051	ug/l #	49
38) Carbon Tetrachloride	7.875	117	23682	5.646	ug/l #	18
76) 1,2,3-Trichloropropane	12.575	75	43278	79.227	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	43278	166.205	ug/l #	5

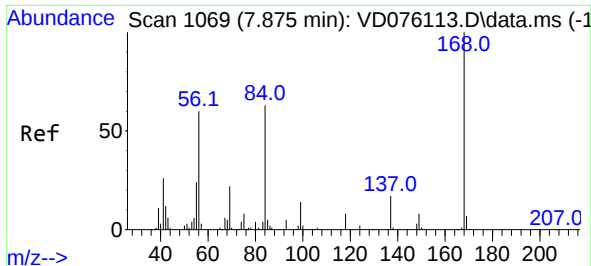
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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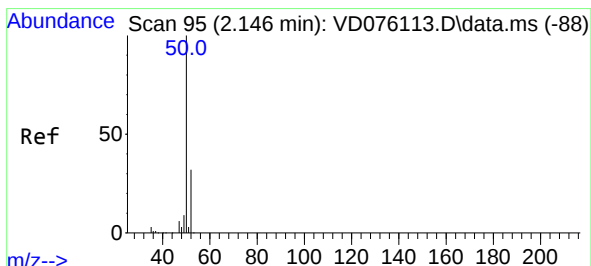
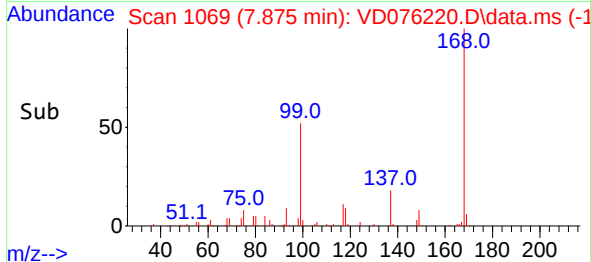
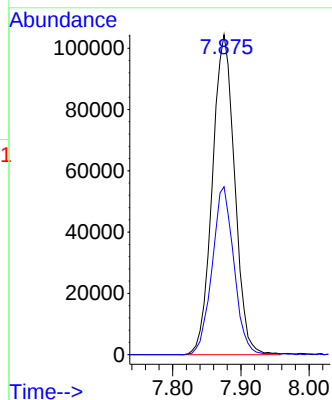
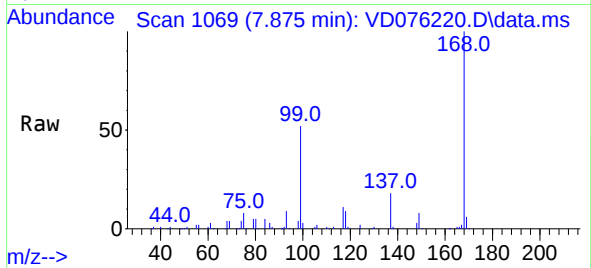




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD076220.D
Acq: 24 May 2023 18:09

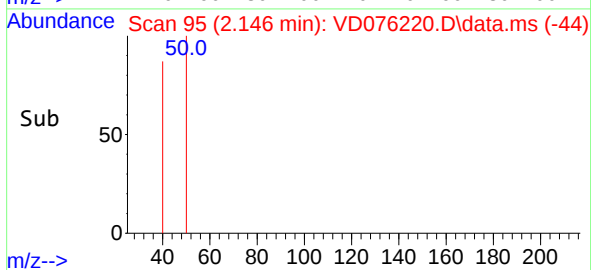
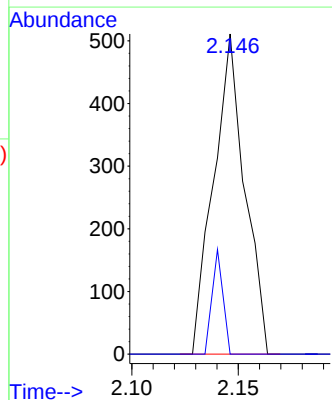
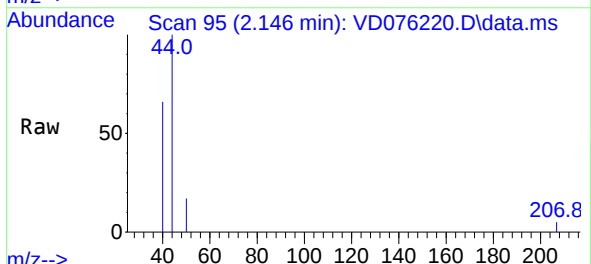
Instrument :
MSVOA_D
ClientSampleId :
290-328

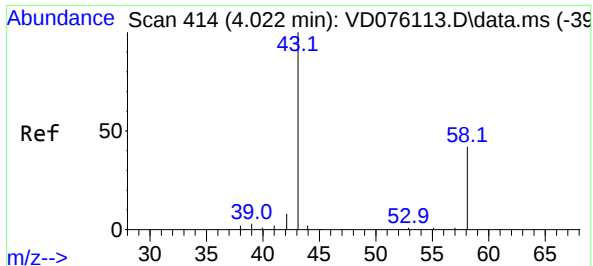
Tgt Ion:168 Resp: 237513
Ion Ratio Lower Upper
168 100
99 52.5 43.8 65.6



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD076220.D
Acq: 24 May 2023 18:09

Tgt Ion: 50 Resp: 520
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#

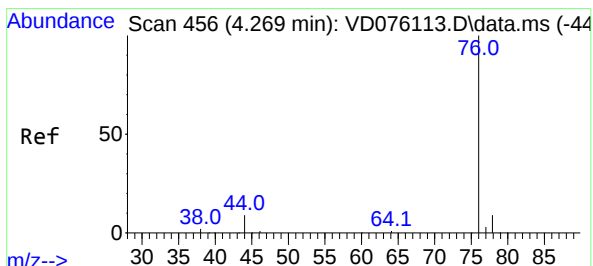
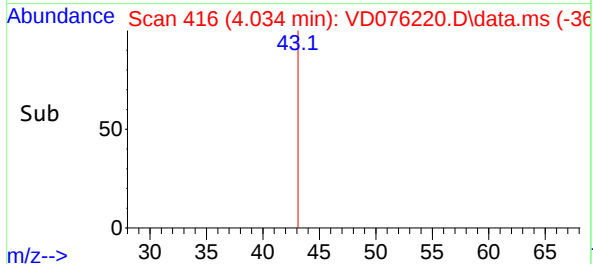
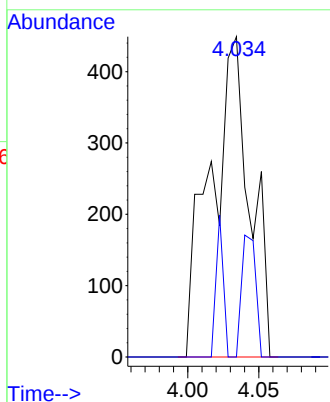
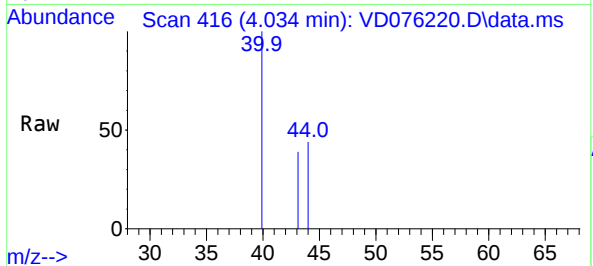




#16
Acetone
Concen: 1.890 ug/l
RT: 4.034 min Scan# 41
Delta R.T. 0.012 min
Lab File: VD076220.D
Acq: 24 May 2023 18:09

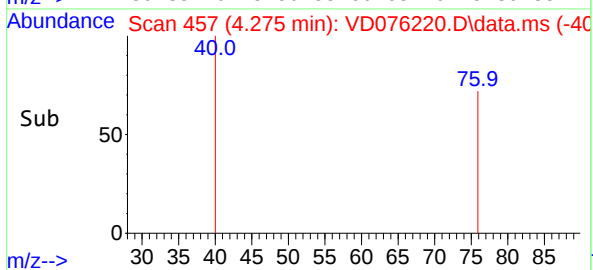
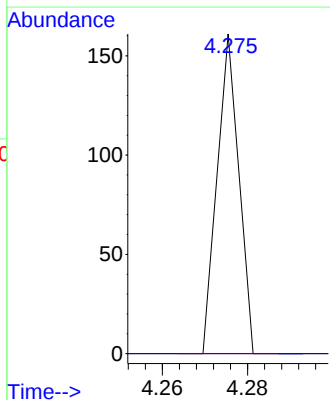
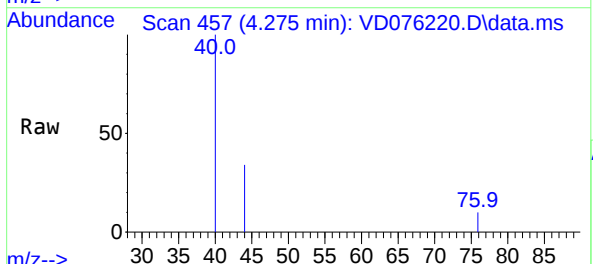
Instrument :
MSVOA_D
ClientSampleId :
290-328

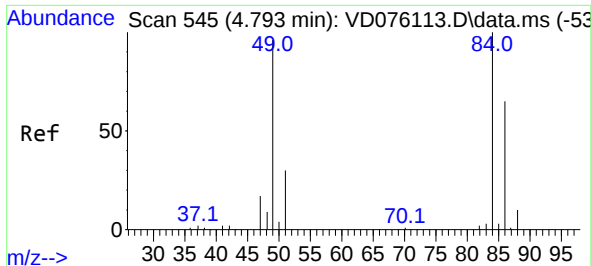
Tgt Ion: 43 Resp: 863
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.275 min Scan# 457
Delta R.T. 0.006 min
Lab File: VD076220.D
Acq: 24 May 2023 18:09

Tgt Ion: 76 Resp: 57
Ion Ratio Lower Upper
76 100
78 0.0 8.0 12.0#



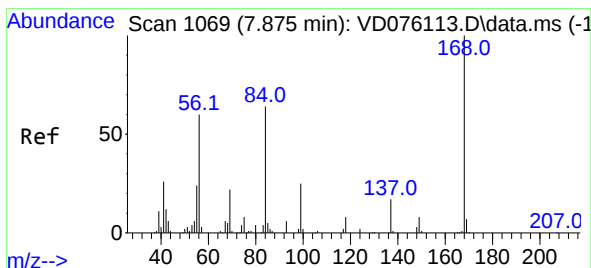
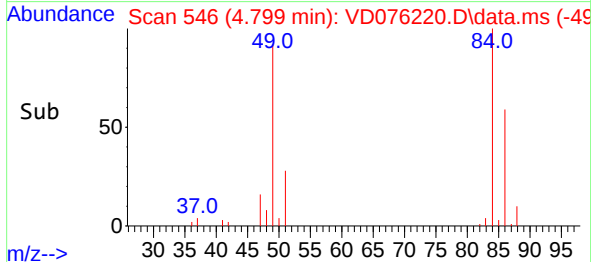
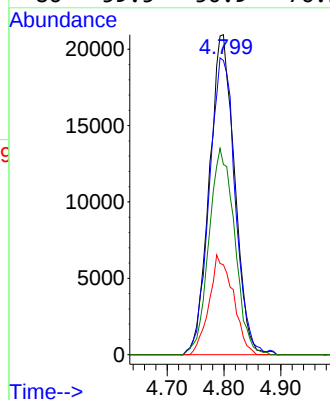
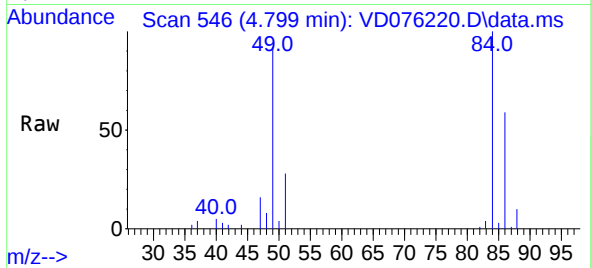


#20
Methylene Chloride
Concen: 10.629 ug/l
RT: 4.799 min Scan# 54
Delta R.T. -0.000 min
Lab File: VD076220.D
Acq: 24 May 2023 18:09

Instrument :
MSVOA_D
ClientSampleId :
290-328

Tgt Ion: 84 Resp: 64608

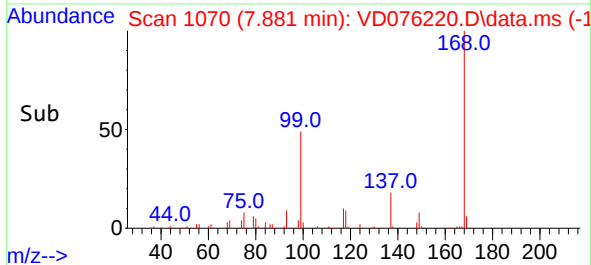
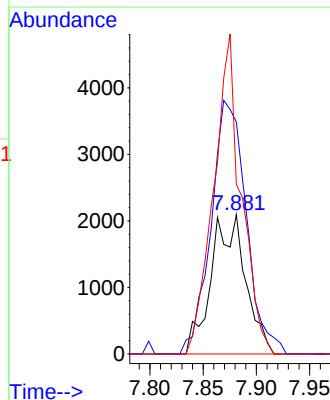
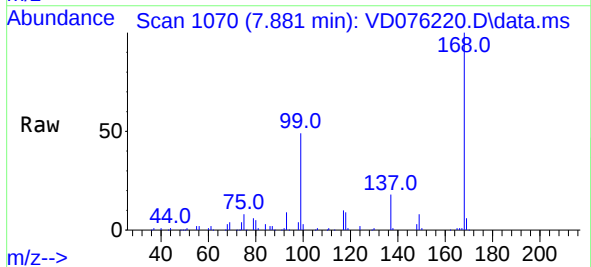
Ion	Ratio	Lower	Upper
84	100		
49	91.9	106.4	159.6#
51	28.1	32.4	48.6#
86	59.5	50.9	76.3

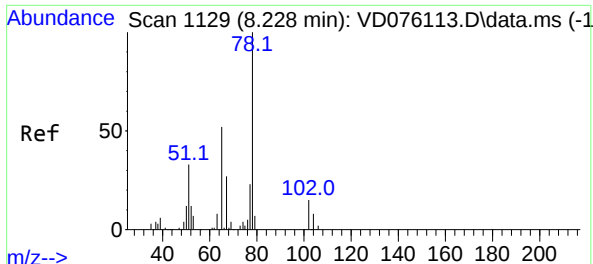


#31
Cyclohexane
Concen: 1.333 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD076220.D
Acq: 24 May 2023 18:09

Tgt Ion: 56 Resp: 4687

Ion	Ratio	Lower	Upper
56	100		
69	166.4	25.5	38.3#
84	121.6	69.6	104.4#

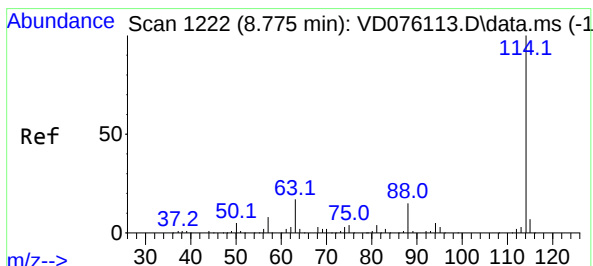
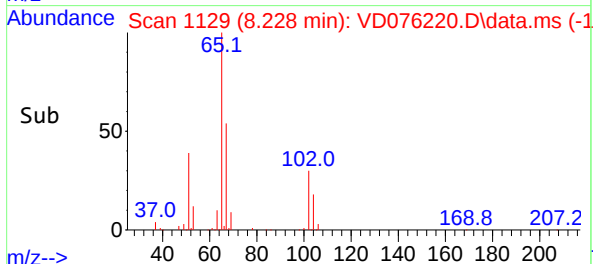
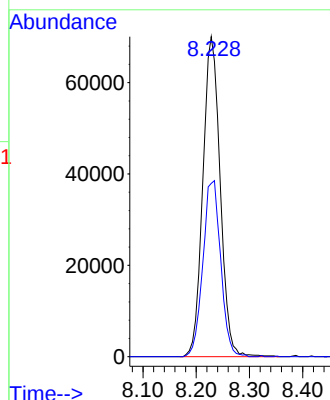
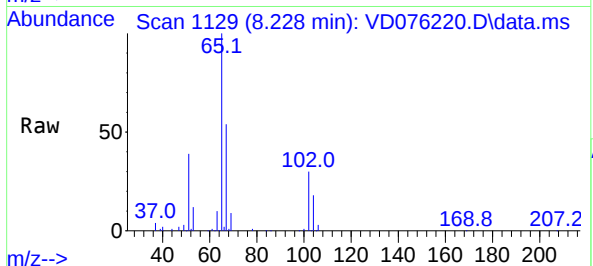




#33
1,2-Dichloroethane-d4
Concen: 69.020 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD076220.D
Acq: 24 May 2023 18:09

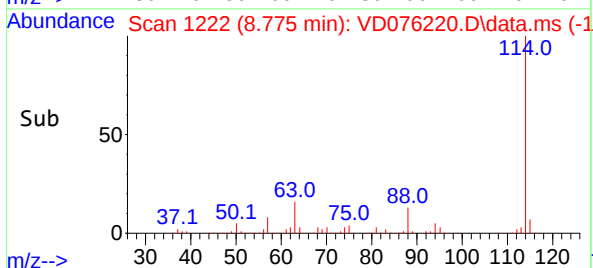
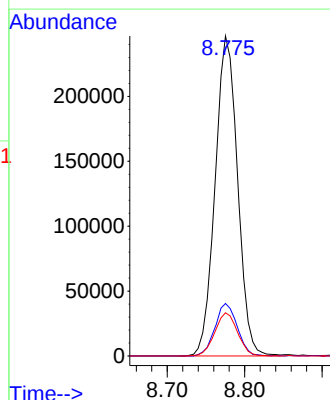
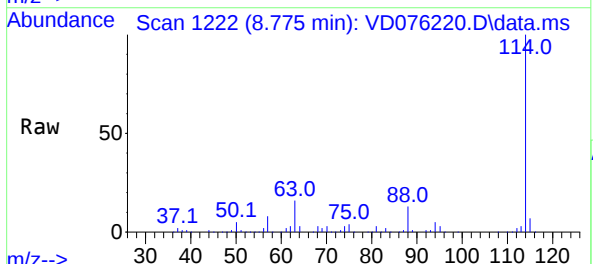
Instrument :
MSVOA_D
ClientSampleId :
290-328

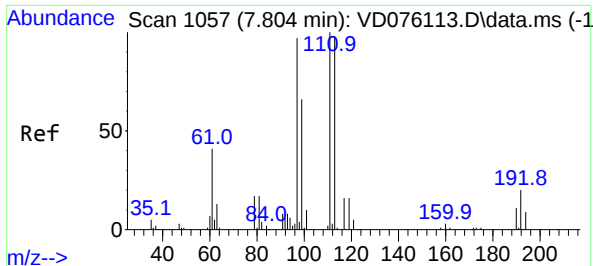
Tgt Ion: 65 Resp: 158436
Ion Ratio Lower Upper
65 100
67 56.5 0.0 102.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 1222
Delta R.T. 0.000 min
Lab File: VD076220.D
Acq: 24 May 2023 18:09

Tgt Ion:114 Resp: 497472
Ion Ratio Lower Upper
114 100
63 16.4 0.0 41.6
88 13.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 64.061 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076220.D

Acq: 24 May 2023 18:09

Instrument :

MSVOA_D

ClientSampleId :

290-328

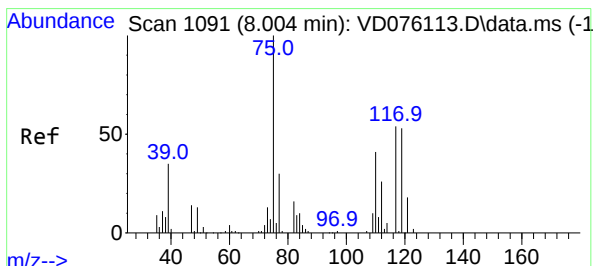
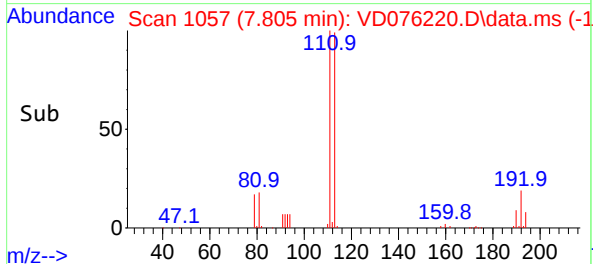
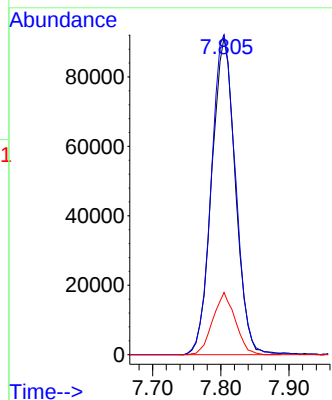
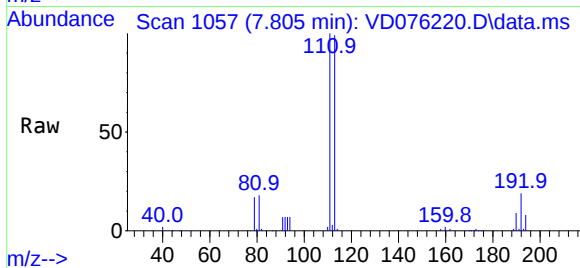
Tgt Ion:113 Resp: 220281

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

192 18.7 15.2 22.8



#36

1,1-Dichloropropene

Concen: 4.051 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD076220.D

Acq: 24 May 2023 18:09

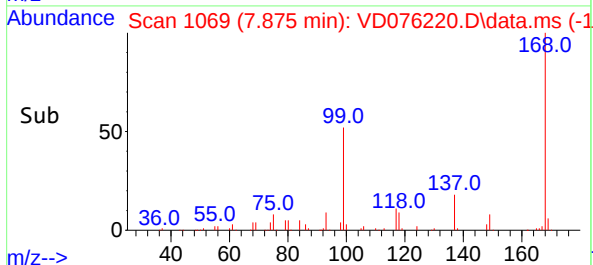
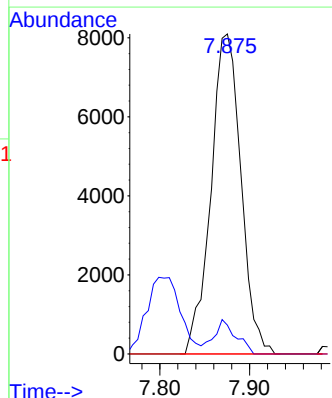
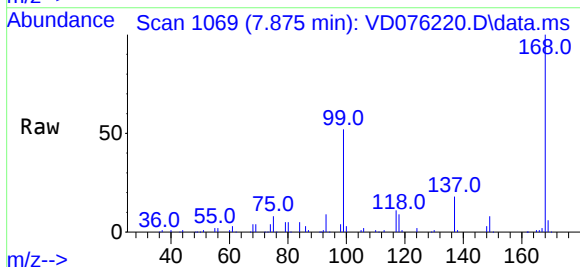
Tgt Ion: 75 Resp: 18813

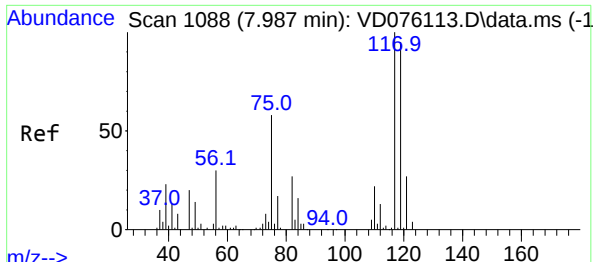
Ion Ratio Lower Upper

75 100

110 7.9 17.1 51.2#

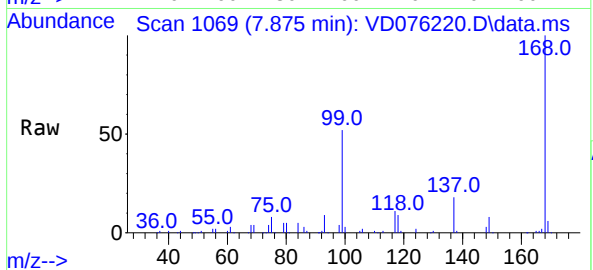
77 0.0 24.6 36.8#



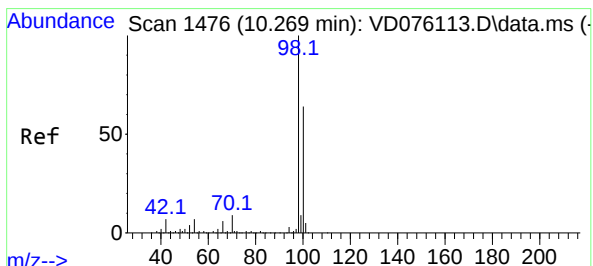
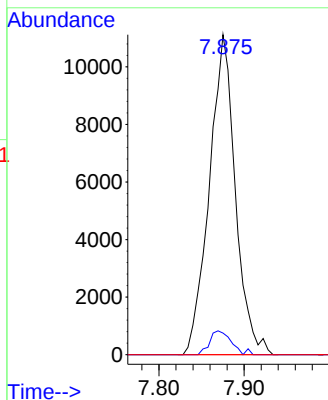
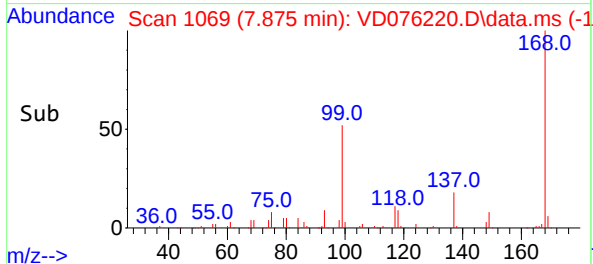


#38
Carbon Tetrachloride
Concen: 5.646 ug/l
RT: 7.875 min Scan# 1088
Delta R.T. -0.118 min
Lab File: VD076220.D
Acq: 24 May 2023 18:09

Instrument :
MSVOA_D
ClientSampleId :
290-328

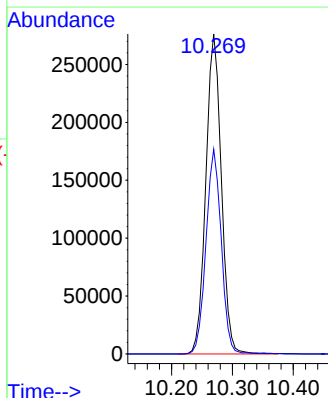
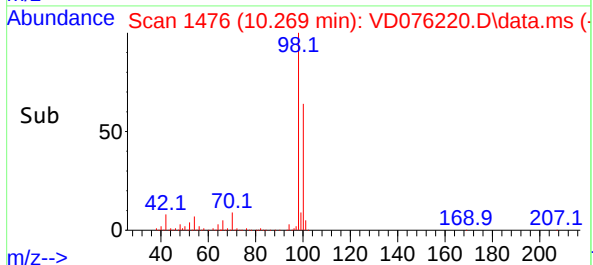
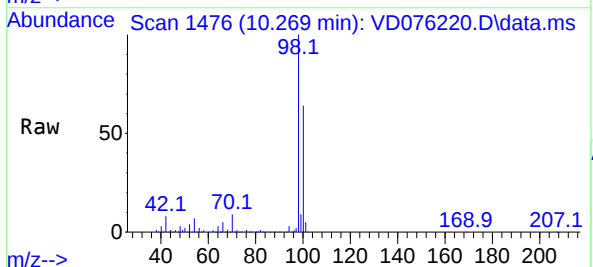


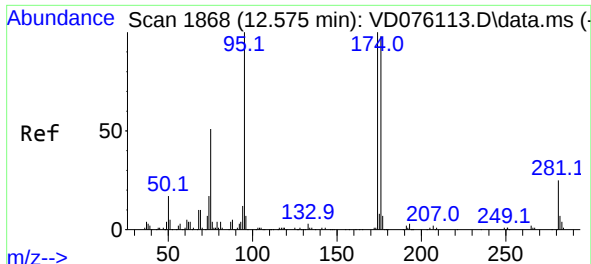
Tgt Ion:117 Resp: 23682
Ion Ratio Lower Upper
117 100
119 6.7 74.7 112.1#
121 0.0 25.9 38.9#



#50
Toluene-d8
Concen: 36.443 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076220.D
Acq: 24 May 2023 18:09

Tgt Ion: 98 Resp: 488508
Ion Ratio Lower Upper
98 100
100 63.0 52.1 78.1

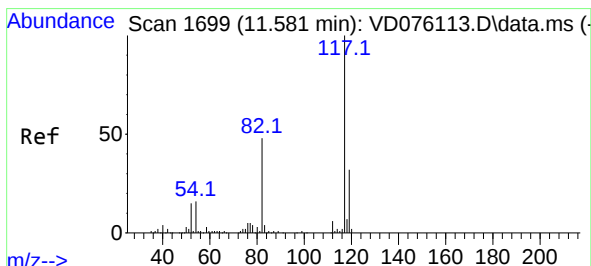
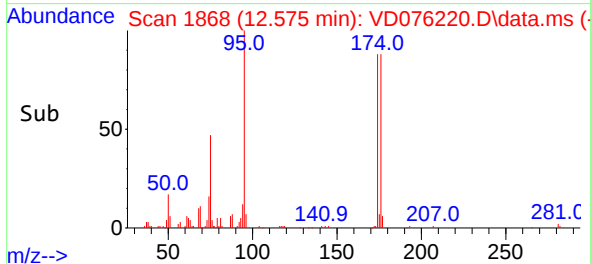
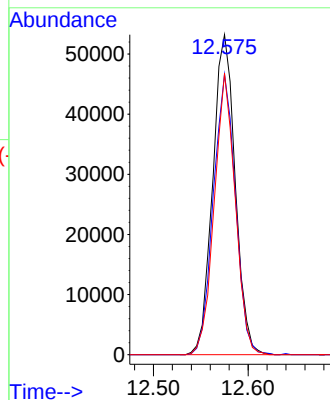
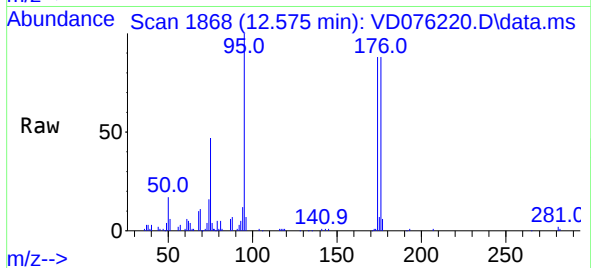




#62
4-Bromofluorobenzene
Concen: 23.573 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076220.D
Acq: 24 May 2023 18:09

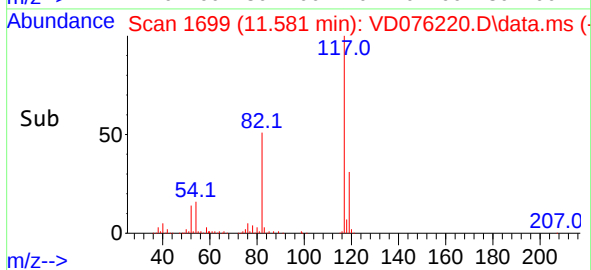
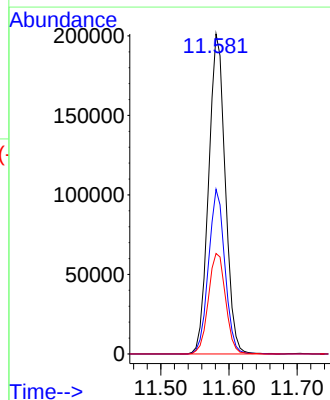
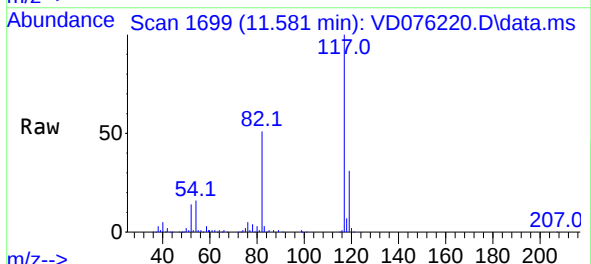
Instrument :
MSVOA_D
ClientSampleId :
290-328

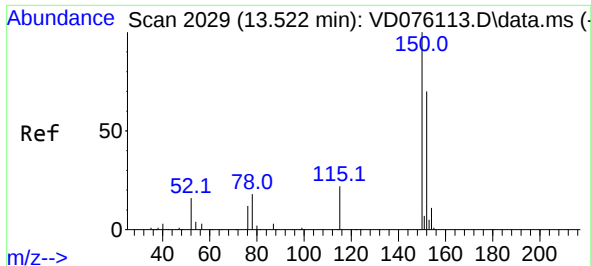
Tgt Ion:	95	Resp:	87777
Ion	Ratio	Lower	Upper
95	100		
174	86.1	0.0	164.0
176	81.9	0.0	156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076220.D
Acq: 24 May 2023 18:09

Tgt Ion:	117	Resp:	340843
Ion	Ratio	Lower	Upper
117	100		
82	51.4	44.0	66.0
119	31.4	25.1	37.7

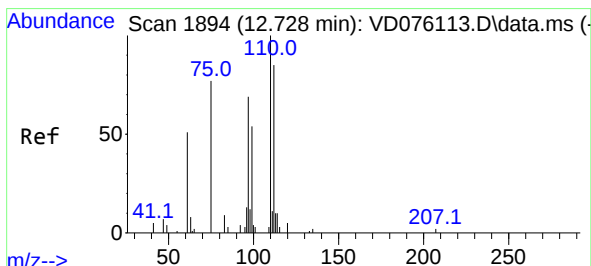
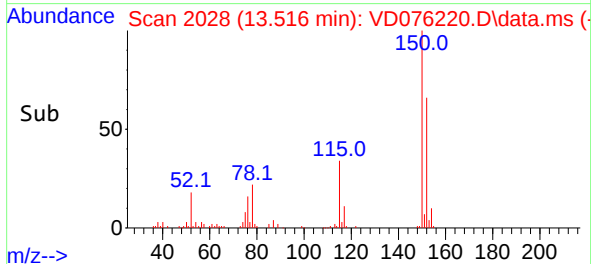
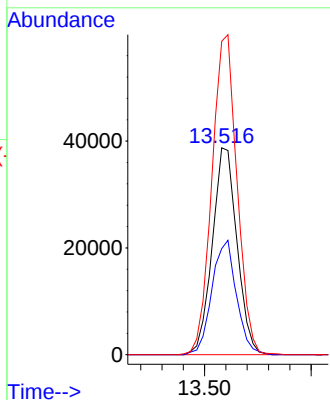
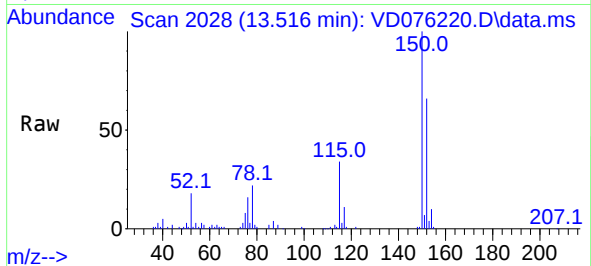




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2029
 Delta R.T. -0.006 min
 Lab File: VD076220.D
 Acq: 24 May 2023 18:09

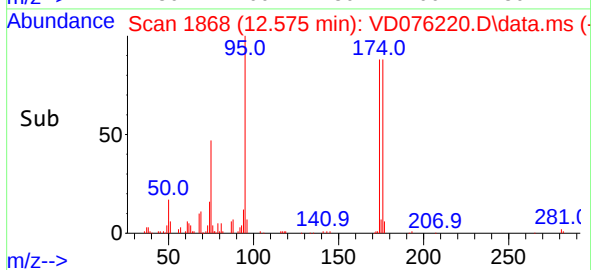
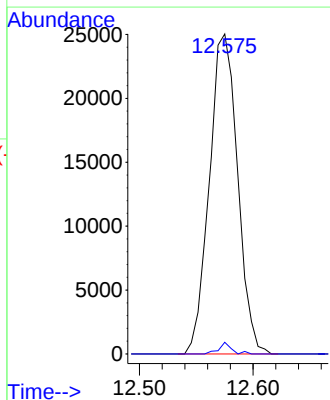
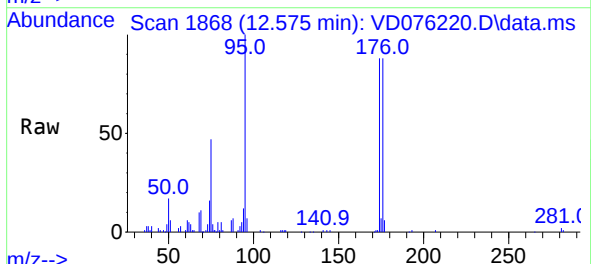
Instrument :
 MSVOA_D
 ClientSampleId :
 290-328

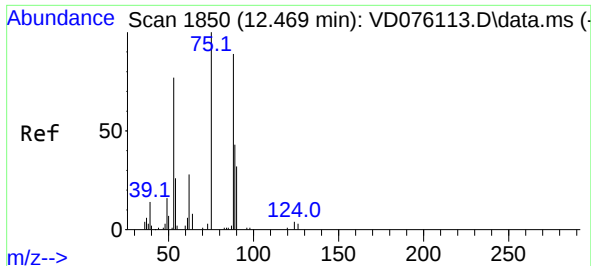
Tgt Ion:152 Resp: 62423
 Ion Ratio Lower Upper
 152 100
 115 54.9 30.1 90.3
 150 157.1 0.0 364.8



#76
 1,2,3-Trichloropropane
 Concen: 79.227 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD076220.D
 Acq: 24 May 2023 18:09

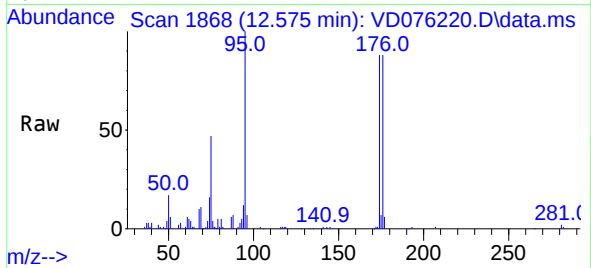
Tgt Ion: 75 Resp: 43278
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 166.205 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD076220.D
 Acq: 24 May 2023 18:09

Instrument :
 MSVOA_D
 ClientSampleId :
 290-328



Tgt Ion:	75	Resp:	43278
Ion	Ratio	Lower	Upper
75	100		
53	0.0	90.5	135.7#
89	0.0	40.2	60.4#

