

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052523\
 Data File : VD076238.D
 Acq On : 25 May 2023 17:38
 Operator : KP/SY
 Sample : 02868-01RE
 Misc : 4.65G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP13

Quant Time: May 26 02:00:46 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)

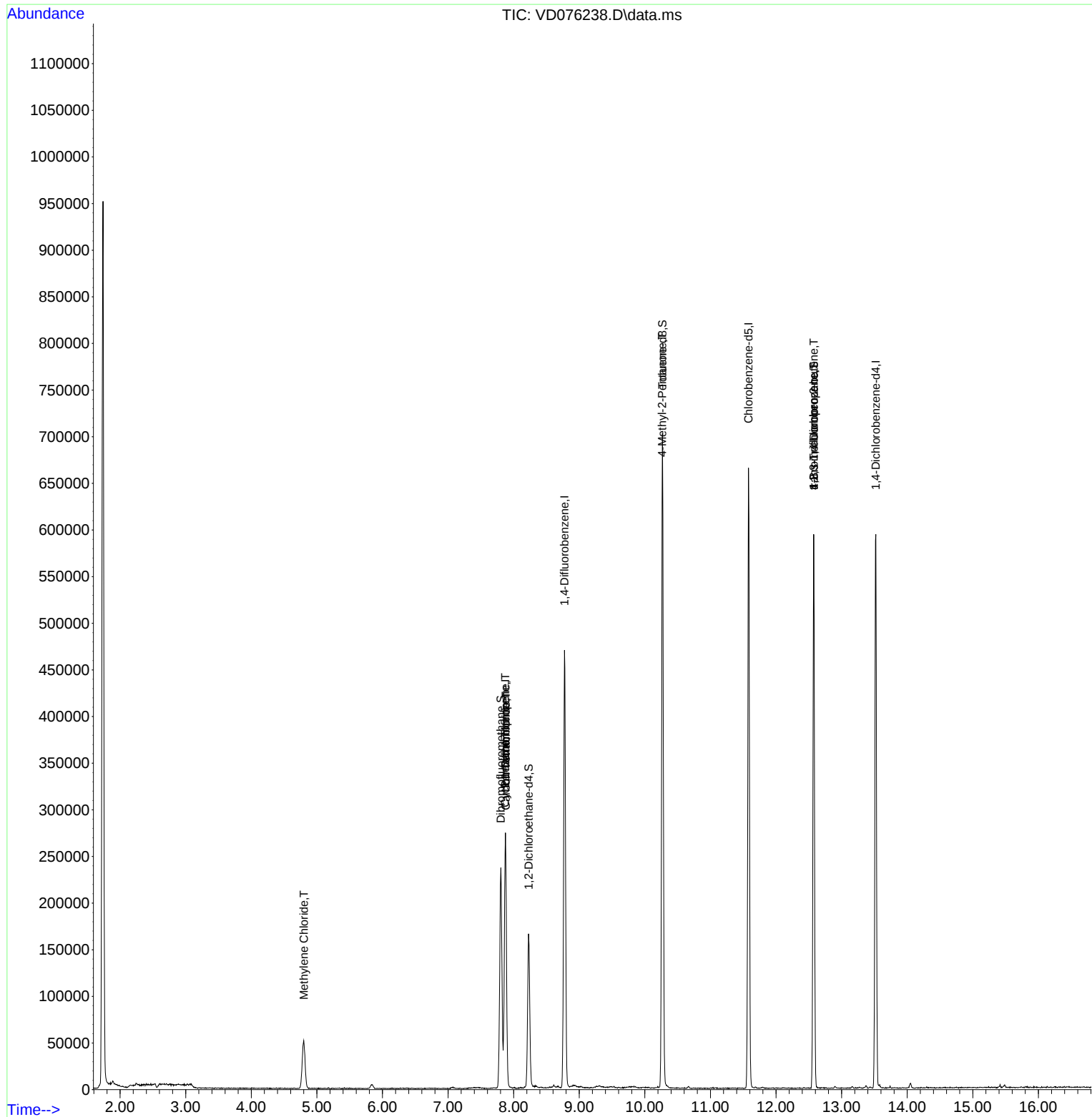
Internal Standards						
1) Pentafluorobenzene	7.875	168	224125	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	446440	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	412120	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	174848	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	124513	57.482	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.960%
35) Dibromofluoromethane	7.804	113	172404	55.869	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.740%
50) Toluene-d8	10.269	98	508305	42.255	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	84.500%
62) 4-Bromofluorobenzene	12.575	95	179579	53.740	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	107.480%
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	558	Below Cal		98
17) Carbon Disulfide	4.263	76	74	Below Cal	#	73
20) Methylene Chloride	4.805	84	45047	5.162	ug/l #	71
31) Cyclohexane	7.869	56	4134	1.246	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	16641	3.993	ug/l #	49
38) Carbon Tetrachloride	7.881	117	19342	5.138	ug/l #	24
51) 4-Methyl-2-Pentanone	10.263	43	1485	1.036	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	91131	59.560	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	91131	124.947	ug/l #	5

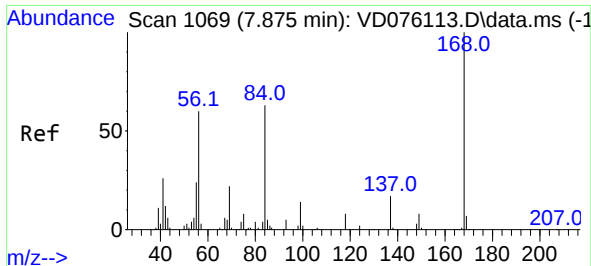
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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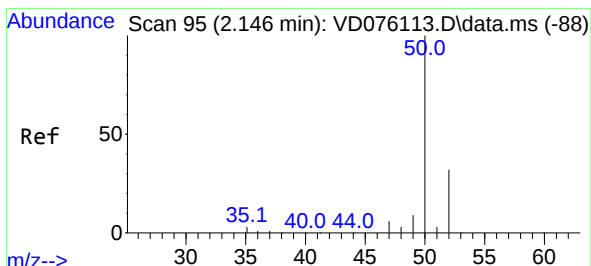
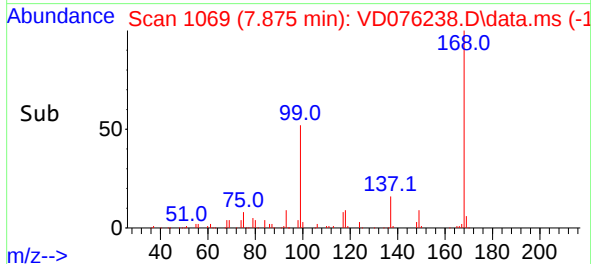
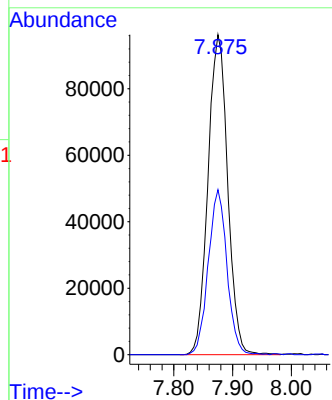
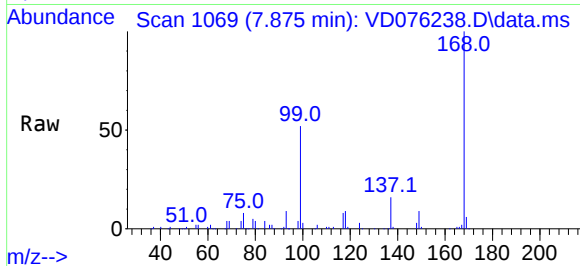




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD076238.D
Acq: 25 May 2023 17:38

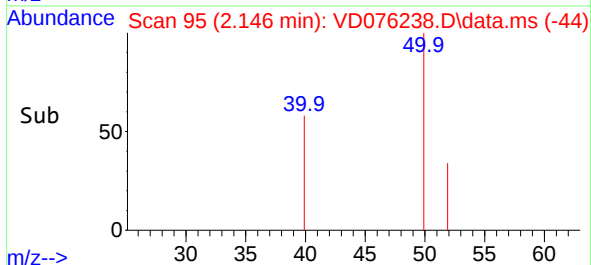
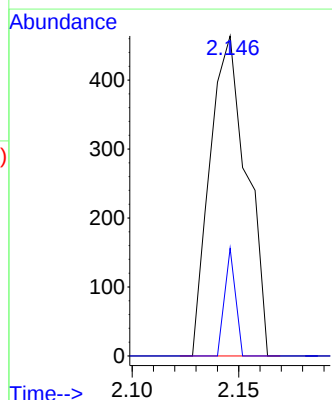
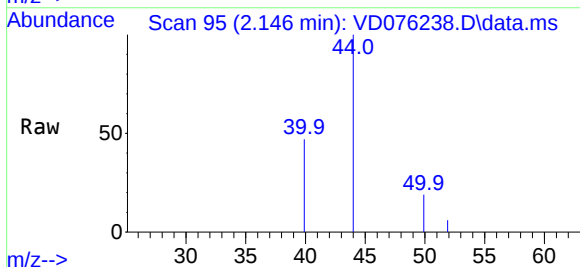
Instrument :
MSVOA_D
ClientSampleId :
TP13

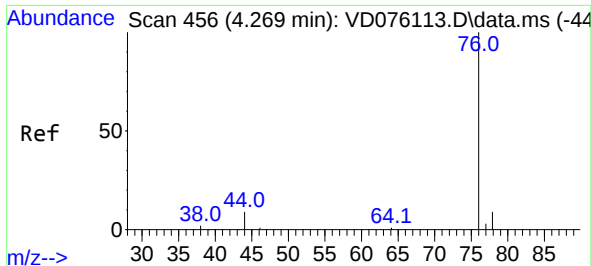
Tgt Ion:168 Resp: 224125
Ion Ratio Lower Upper
168 100
99 51.6 43.8 65.6



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD076238.D
Acq: 25 May 2023 17:38

Tgt Ion: 50 Resp: 558
Ion Ratio Lower Upper
50 100
52 33.6 27.8 41.8

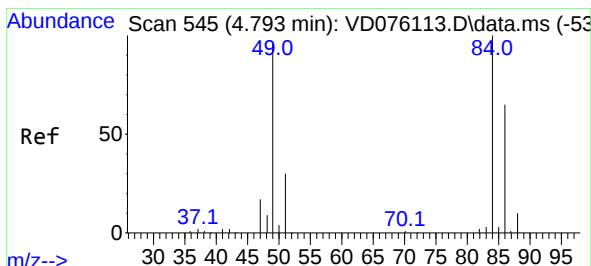
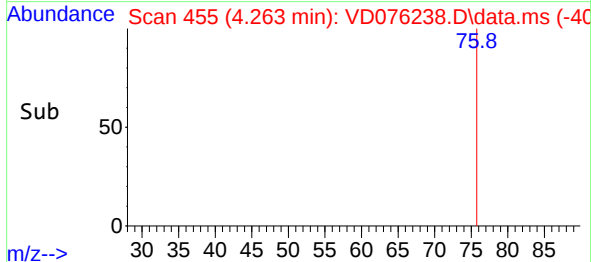
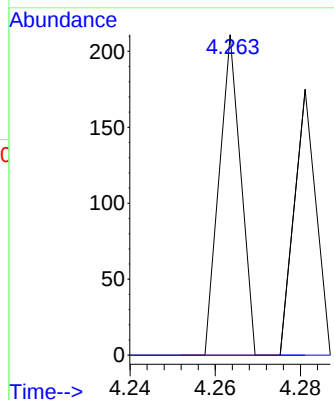
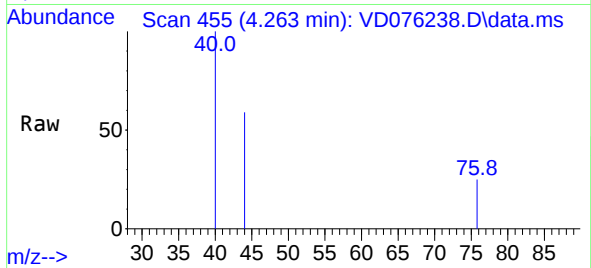




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.263 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD076238.D
Acq: 25 May 2023 17:38

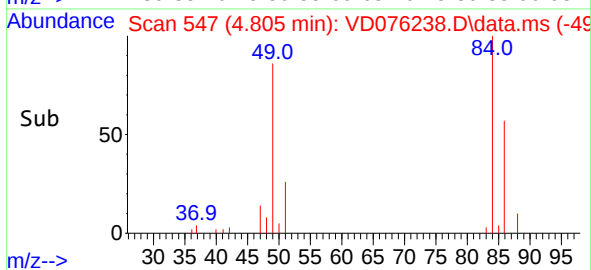
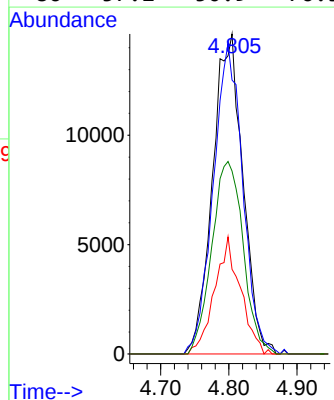
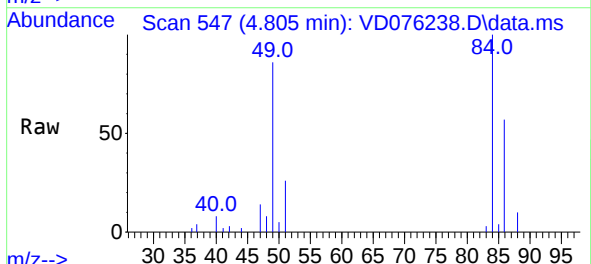
Instrument :
MSVOA_D
ClientSampleId :
TP13

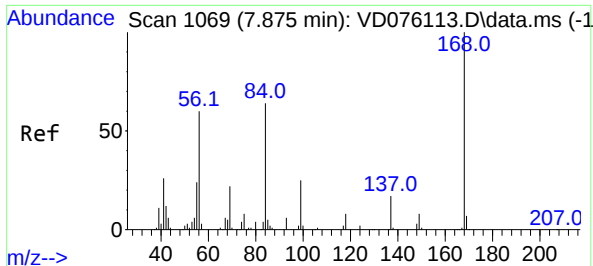
Tgt Ion: 76 Resp: 74
Ion Ratio Lower Upper
76 100
78 0.0 8.0 12.0#



#20
Methylene Chloride
Concen: 5.162 ug/l
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD076238.D
Acq: 25 May 2023 17:38

Tgt Ion: 84 Resp: 45047
Ion Ratio Lower Upper
84 100
49 85.6 106.4 159.6#
51 26.5 32.4 48.6#
86 57.2 50.9 76.3





#31

Cyclohexane

Concen: 1.246 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VD076238.D

Acq: 25 May 2023 17:38

Instrument :

MSVOA_D

ClientSampleId :

TP13

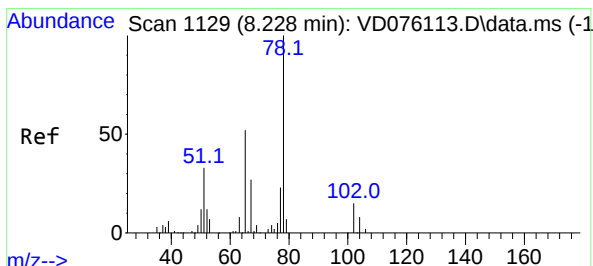
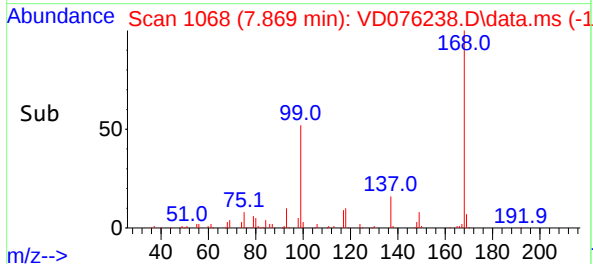
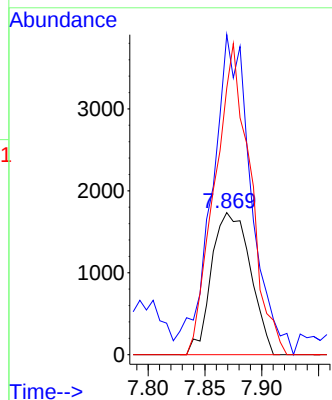
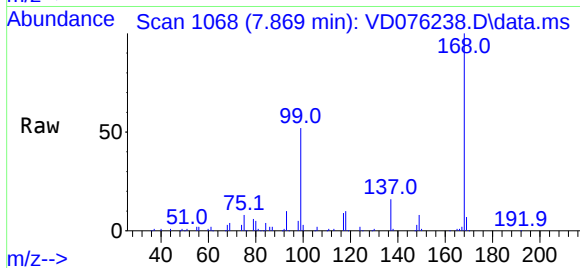
Tgt Ion: 56 Resp: 4134

Ion Ratio Lower Upper

56 100

69 212.1 25.5 38.3#

84 187.6 69.6 104.4#



#33

1,2-Dichloroethane-d4

Concen: 57.482 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD076238.D

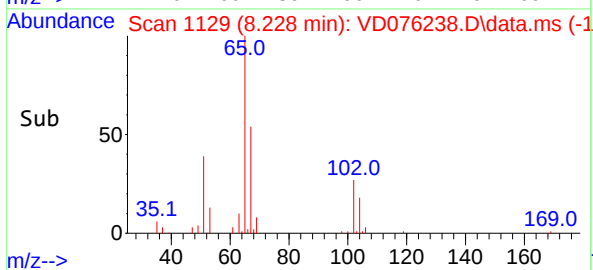
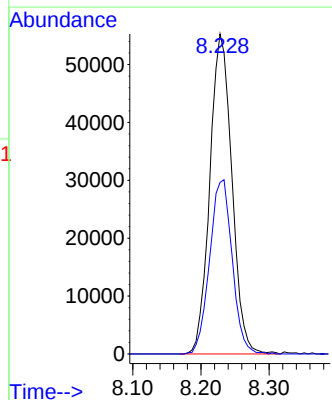
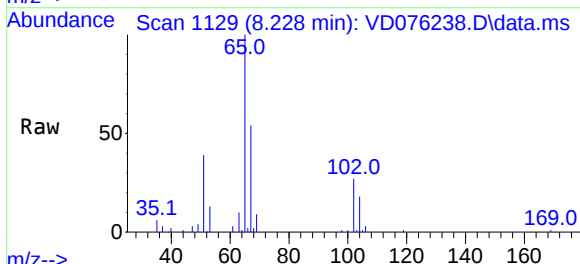
Acq: 25 May 2023 17:38

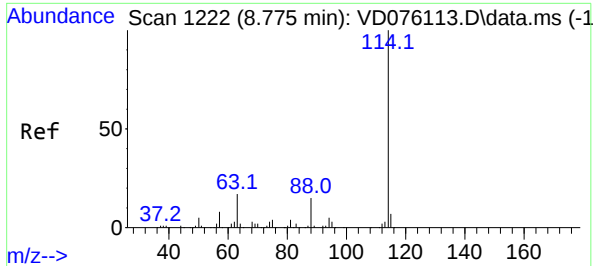
Tgt Ion: 65 Resp: 124513

Ion Ratio Lower Upper

65 100

67 55.7 0.0 102.2



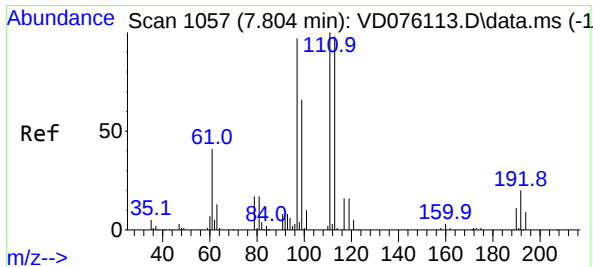
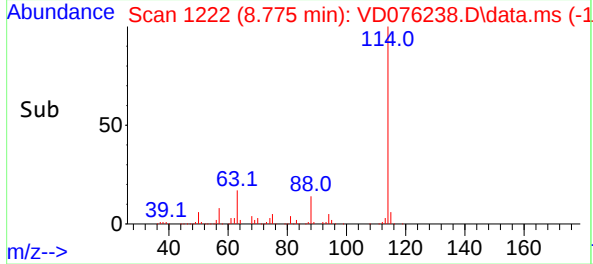
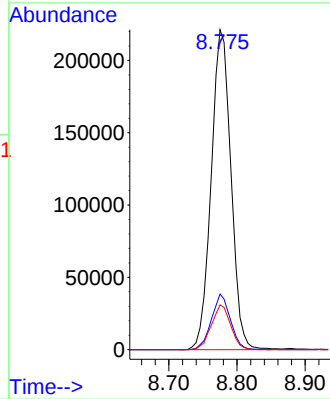
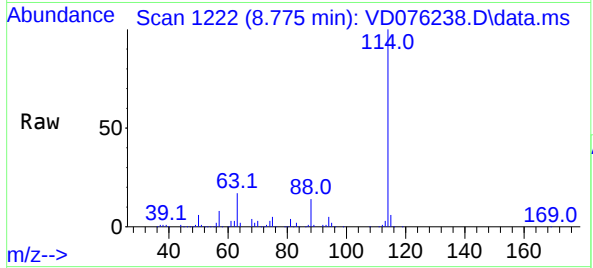


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076238.D
Acq: 25 May 2023 17:38

Instrument :
MSVOA_D
ClientSampleId :
TP13

Tgt Ion:114 Resp: 446440

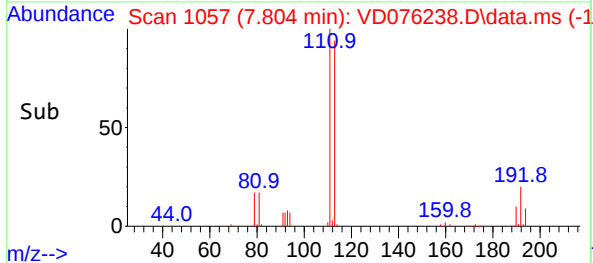
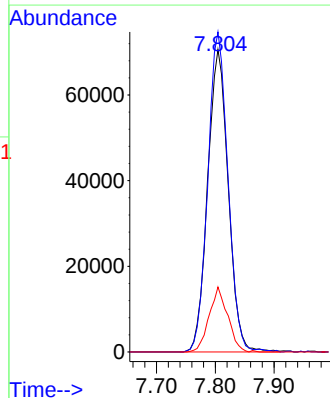
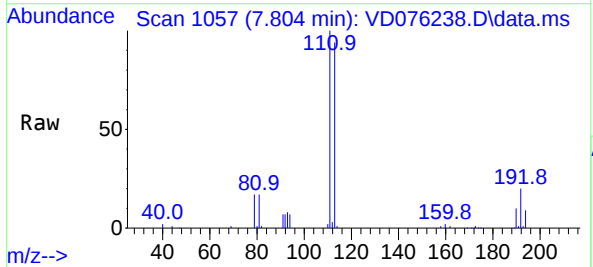
Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	41.6
88	14.0	0.0	30.6

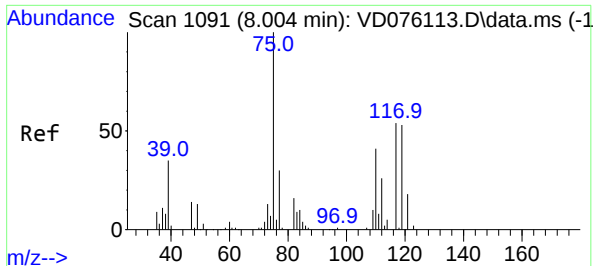


#35
Dibromofluoromethane
Concen: 55.869 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.001 min
Lab File: VD076238.D
Acq: 25 May 2023 17:38

Tgt Ion:113 Resp: 172404

Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.4	122.0
192	19.3	15.2	22.8

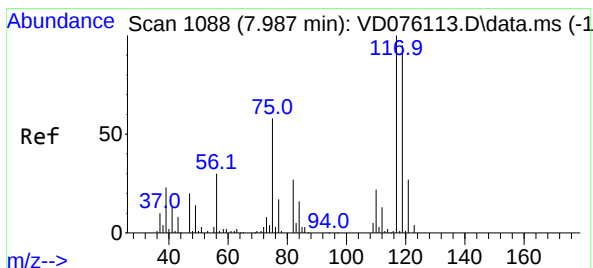
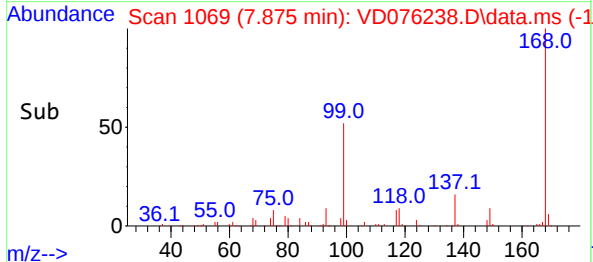
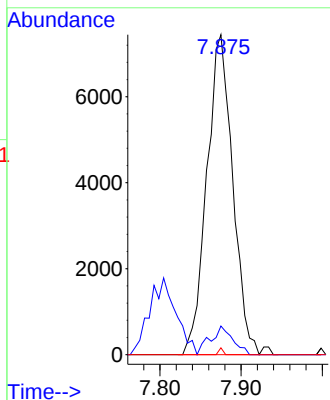
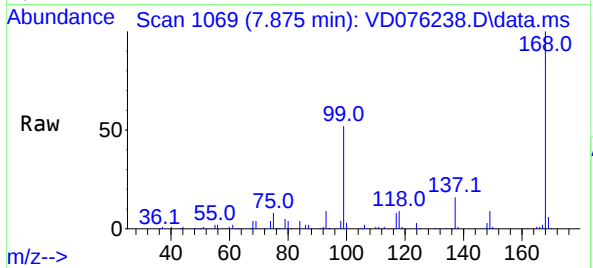




#36
1,1-Dichloropropene
Concen: 3.993 ug/l
RT: 7.875 min Scan# 1070
Delta R.T. -0.135 min
Lab File: VD076238.D
Acq: 25 May 2023 17:38

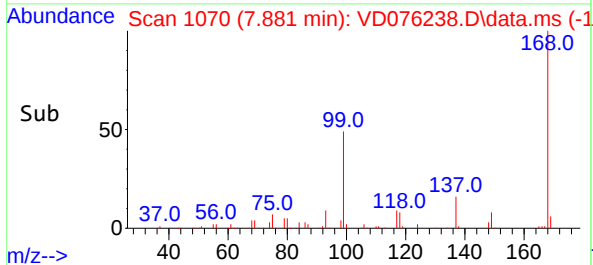
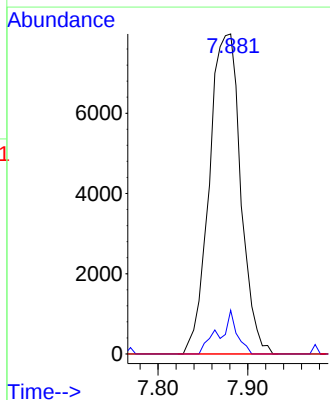
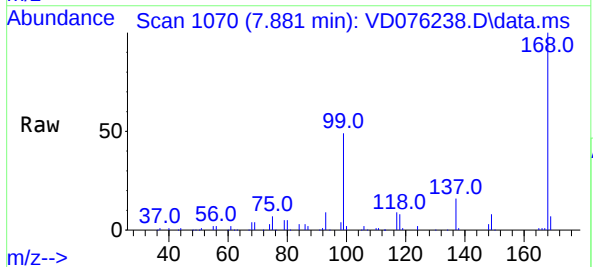
Instrument :
MSVOA_D
ClientSampleId :
TP13

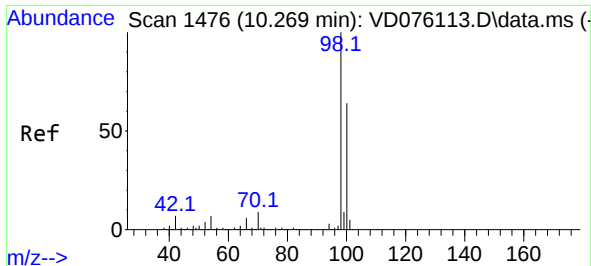
Tgt Ion: 75 Resp: 16641
Ion Ratio Lower Upper
75 100
110 7.7 17.1 51.2#
77 0.3 24.6 36.8#



#38
Carbon Tetrachloride
Concen: 5.138 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.112 min
Lab File: VD076238.D
Acq: 25 May 2023 17:38

Tgt Ion: 117 Resp: 19342
Ion Ratio Lower Upper
117 100
119 13.6 74.7 112.1#
121 0.0 25.9 38.9#

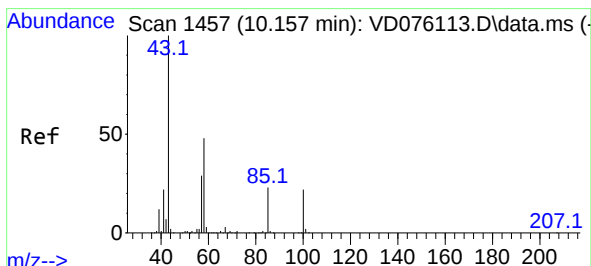
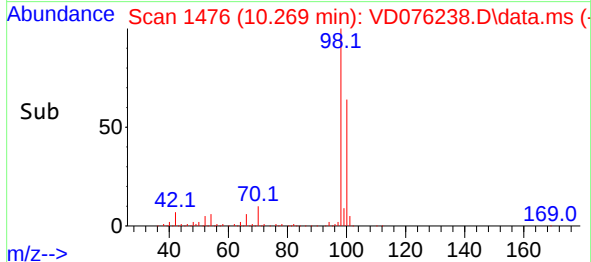
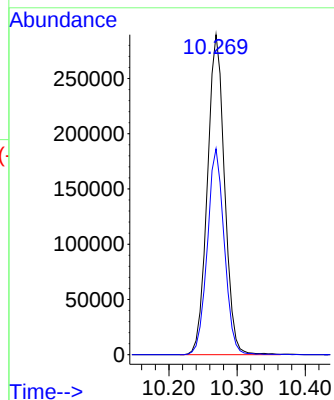
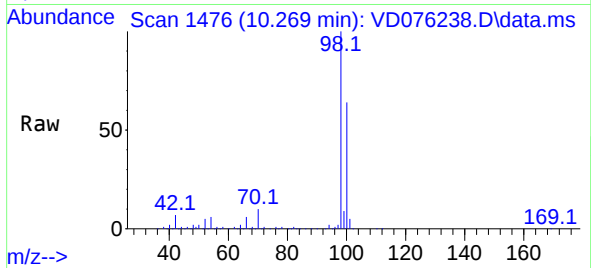




#50
Toluene-d8
Concen: 42.255 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076238.D
Acq: 25 May 2023 17:38

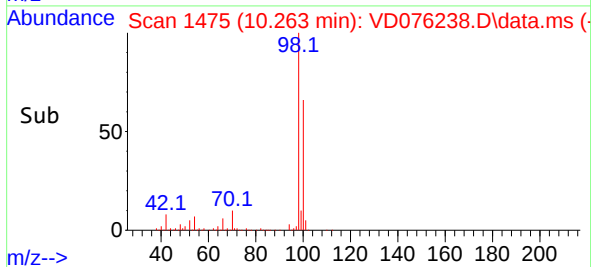
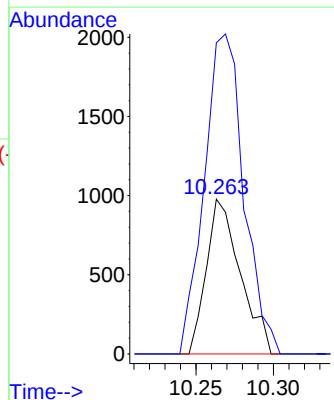
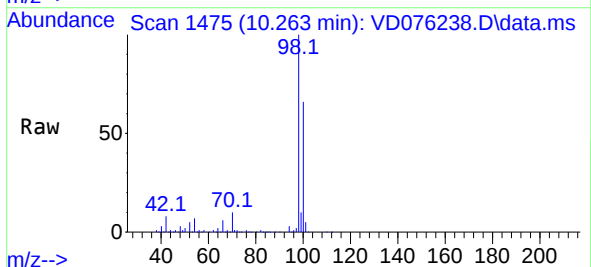
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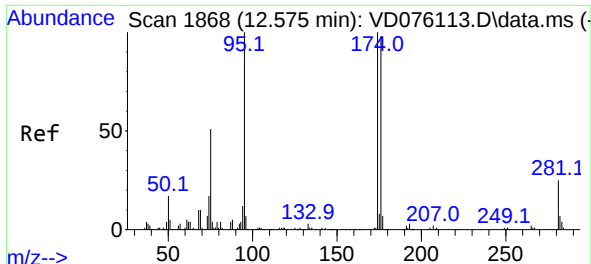
Tgt Ion: 98 Resp: 508305
Ion Ratio Lower Upper
98 100
100 63.6 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.036 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. 0.106 min
Lab File: VD076238.D
Acq: 25 May 2023 17:38

Tgt Ion: 43 Resp: 1485
Ion Ratio Lower Upper
43 100
58 241.0 29.5 44.3#

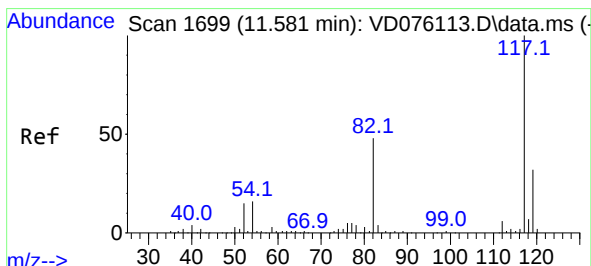
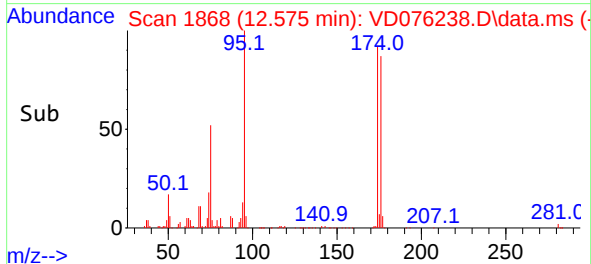
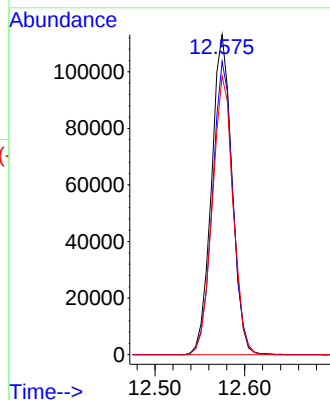
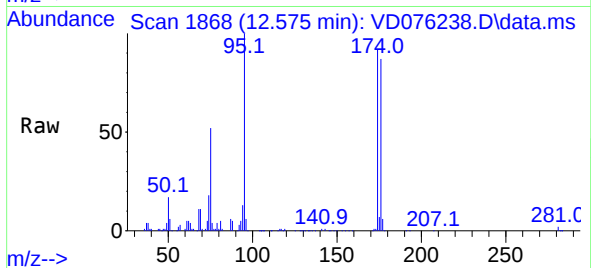




#62
4-Bromofluorobenzene
Concen: 53.740 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076238.D
Acq: 25 May 2023 17:38

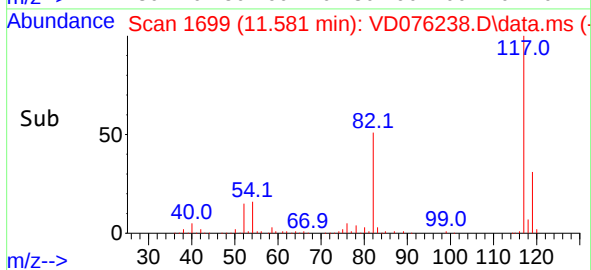
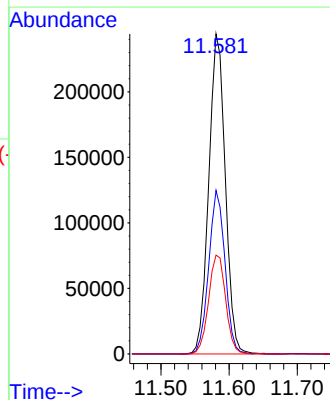
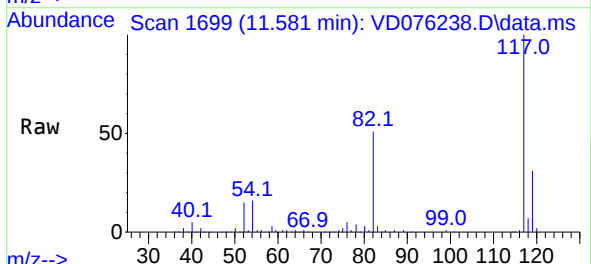
Instrument :
MSVOA_D
ClientSampleId :
TP13

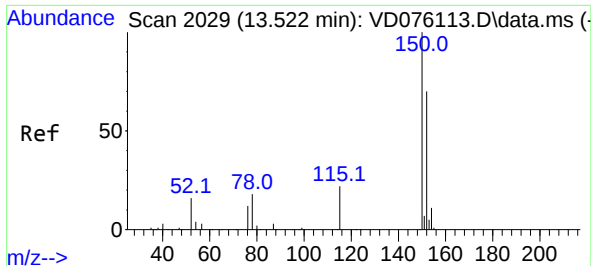
Tgt Ion: 95 Resp: 179579
Ion Ratio Lower Upper
95 100
174 91.3 0.0 164.0
176 88.0 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076238.D
Acq: 25 May 2023 17:38

Tgt Ion: 117 Resp: 412120
Ion Ratio Lower Upper
117 100
82 51.1 44.0 66.0
119 30.9 25.1 37.7

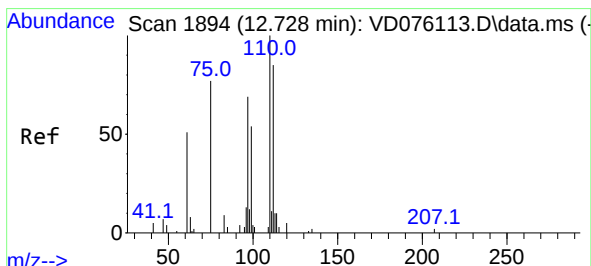
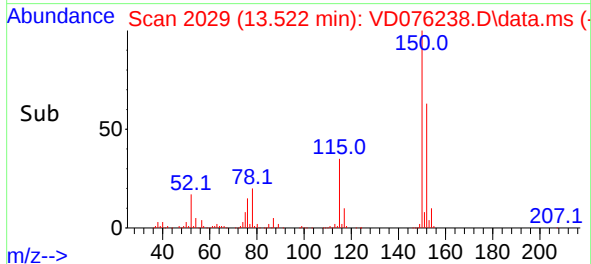
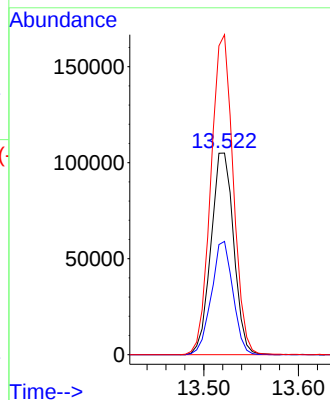
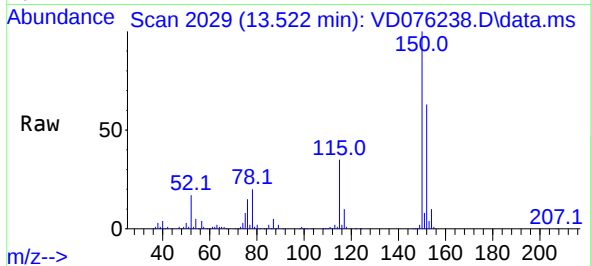




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 2029
 Delta R.T. -0.000 min
 Lab File: VD076238.D
 Acq: 25 May 2023 17:38

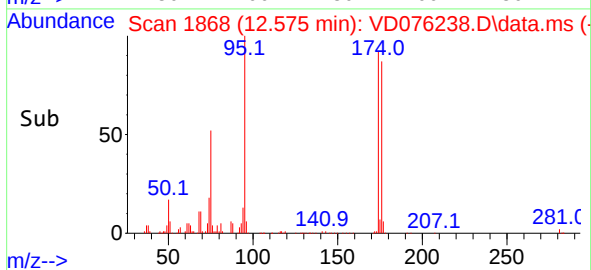
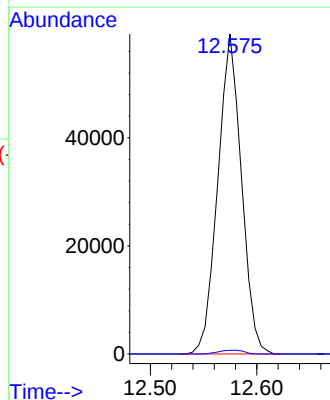
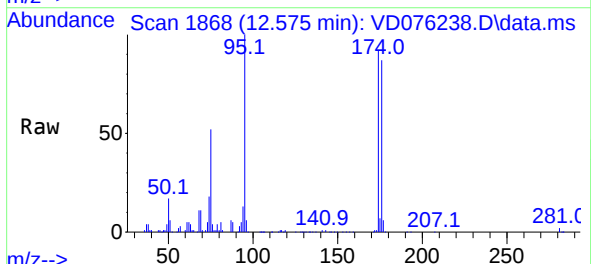
Instrument :
 MSVOA_D
 ClientSampleId :
 TP13

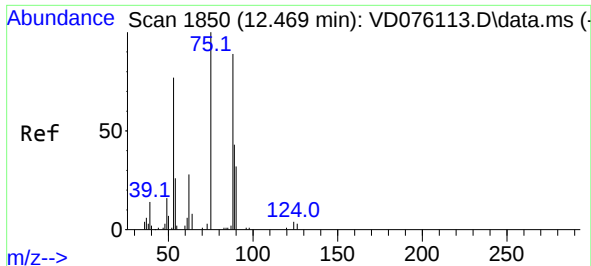
Tgt Ion:152 Resp: 174848
 Ion Ratio Lower Upper
 152 100
 115 53.3 30.1 90.3
 150 155.9 0.0 364.8



#76
 1,2,3-Trichloropropane
 Concen: 59.560 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD076238.D
 Acq: 25 May 2023 17:38

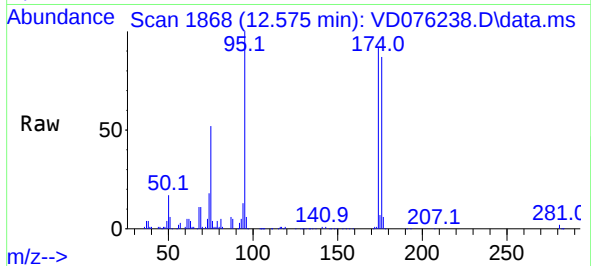
Tgt Ion: 75 Resp: 91131
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.947 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. 0.100 min
 Lab File: VD076238.D
 Acq: 25 May 2023 17:38

Instrument :
 MSVOA_D
 ClientSampleId :
 TP13



Tgt Ion:	75	Resp:	91131
Ion	Ratio	Lower	Upper
75	100		
53	0.0	90.5	135.7#
89	0.0	40.2	60.4#

