

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073123\
 Data File : VD076876.D
 Acq On : 31 Jul 2023 15:59
 Operator : KP/SY
 Sample : 03833-01
 Misc : 5.08G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 82ND-1

Quant Time: Aug 01 02:11:57 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)

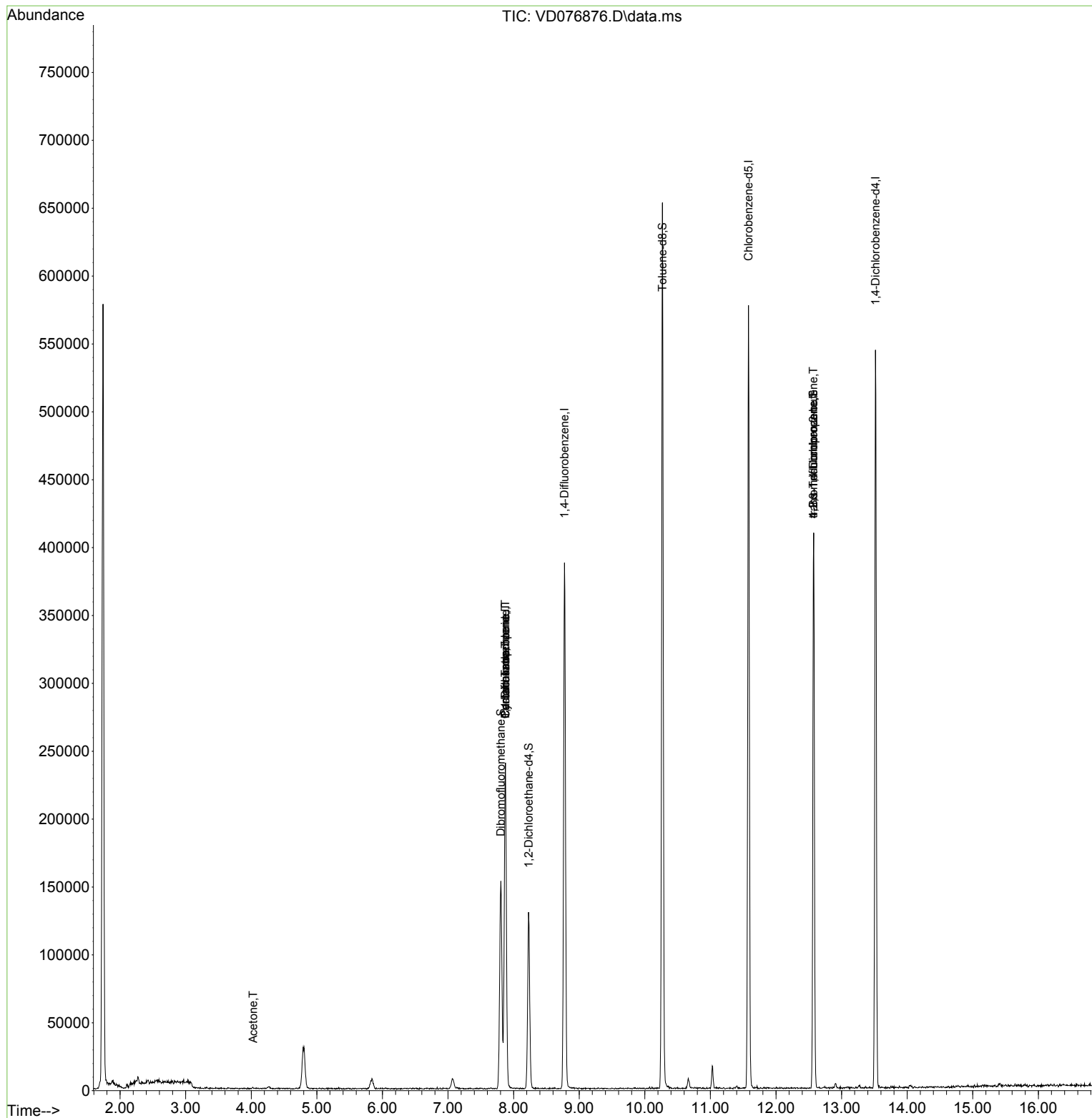
Internal Standards						
1) Pentafluorobenzene	7.875	168	187376	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	357634	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	337895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	141170	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	93672	50.191	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.380%	
35) Dibromofluoromethane	7.805	113	115049	51.192	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.380%	
50) Toluene-d8	10.269	98	437551	54.423	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.840%	
62) 4-Bromofluorobenzene	12.569	95	126083	48.477	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.960%	
Target Compounds						
					Qvalue	
16) Acetone	4.028	43	814	1.826	ug/l #	32
20) Methylene Chloride	4.793	84	24991	Below Cal		91
31) Cyclohexane	7.875	56	4133	1.505	ug/l #	45
36) 1,1-Dichloropropene	7.875	75	15372	5.234	ug/l #	51
38) Carbon Tetrachloride	7.875	117	18847	6.702	ug/l #	16
76) 1,2,3-Trichloropropane	12.569	75	65004	48.420	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	65004	103.050	ug/l #	17

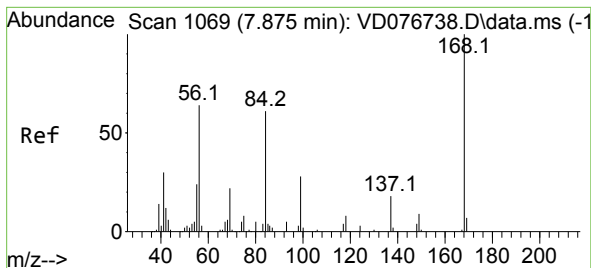
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jul 17 08:07:52 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD076876.D

Acq: 31 Jul 2023 15:59

Instrument :

MSVOA_D

ClientSampleId :

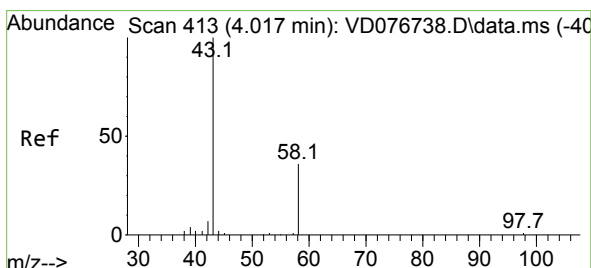
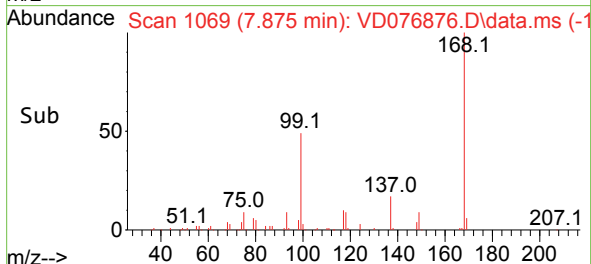
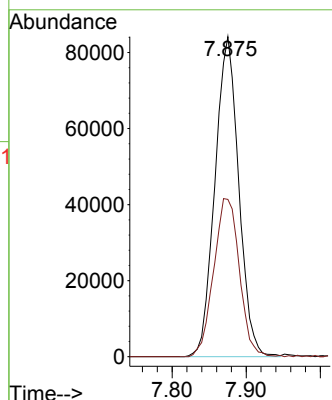
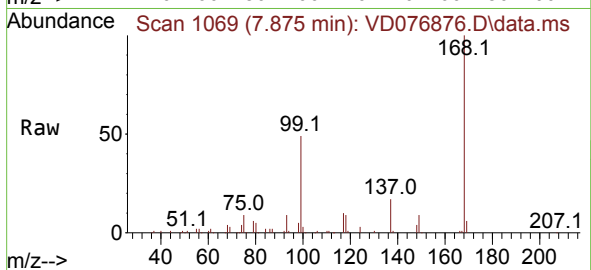
82ND-1

Tgt Ion:168 Resp: 187376

Ion Ratio Lower Upper

168 100

99 49.1 36.7 55.1



#16

Acetone

Concen: 1.826 ug/l

RT: 4.028 min Scan# 415

Delta R.T. 0.011 min

Lab File: VD076876.D

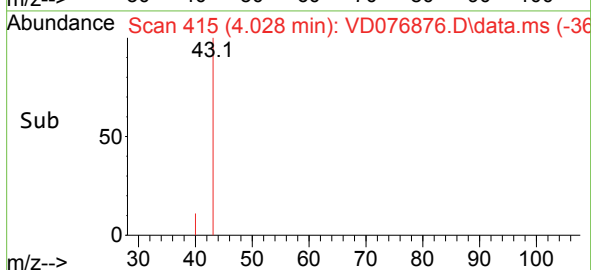
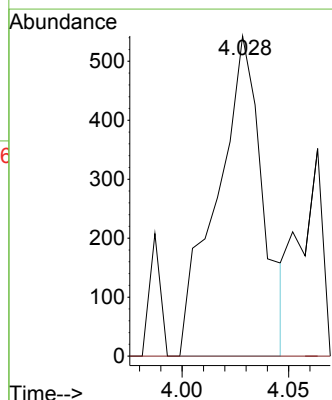
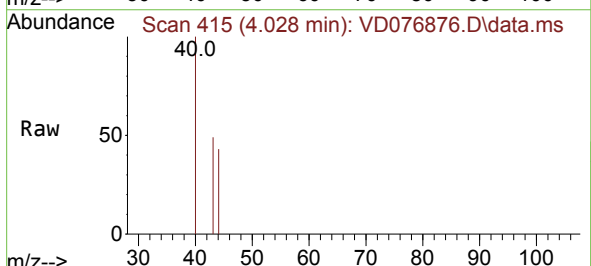
Acq: 31 Jul 2023 15:59

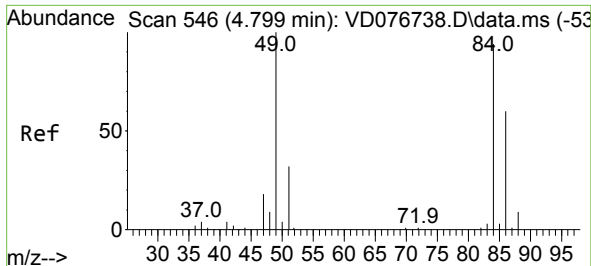
Tgt Ion: 43 Resp: 814

Ion Ratio Lower Upper

43 100

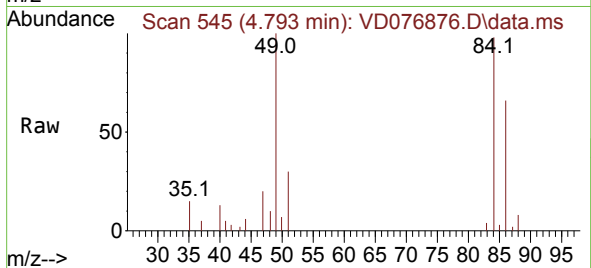
58 0.0 34.7 52.1#



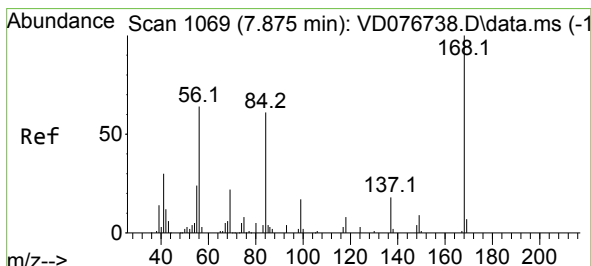
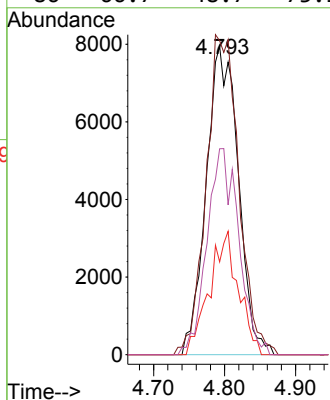
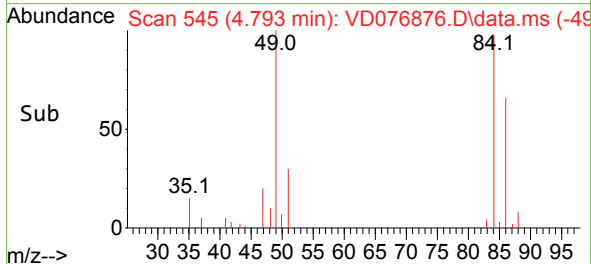


#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD076876.D
Acq: 31 Jul 2023 15:59

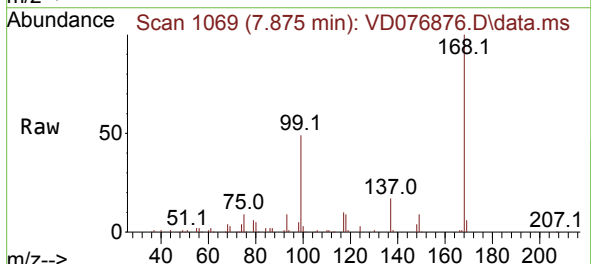
Instrument :
MSVOA_D
ClientSampleId :
82ND-1



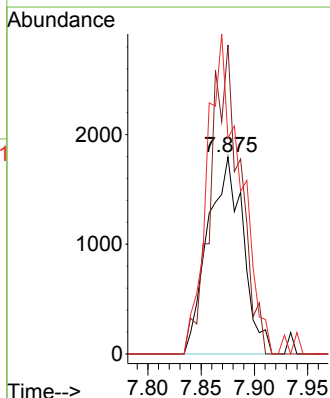
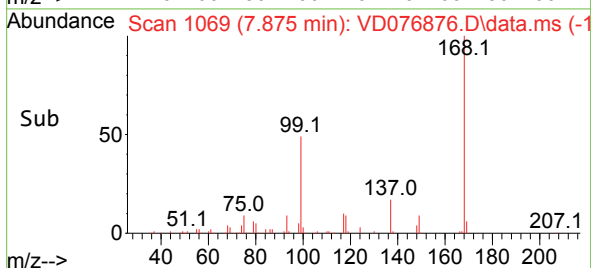
Tgt Ion: 84	Resp: 24991
Ion Ratio	Lower Upper
84 100	
49 101.8	71.4 107.2
51 30.1	24.5 36.7
86 66.7	48.7 73.1

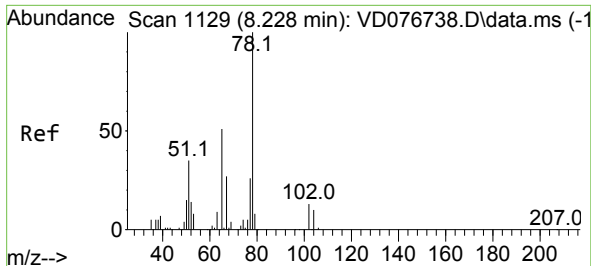


#31
Cyclohexane
Concen: 1.505 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076876.D
Acq: 31 Jul 2023 15:59



Tgt Ion: 56	Resp: 4133
Ion Ratio	Lower Upper
56 100	
69 156.8	28.6 43.0#
84 109.5	84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 50.191 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD076876.D

Acq: 31 Jul 2023 15:59

Instrument :

MSVOA_D

ClientSampleId :

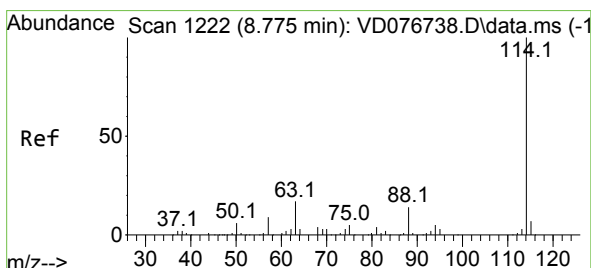
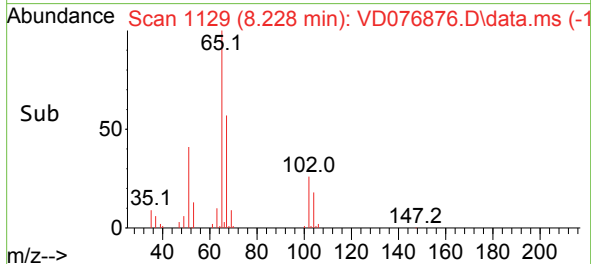
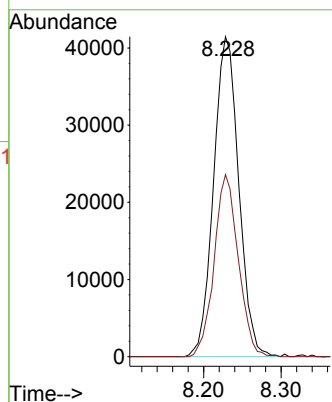
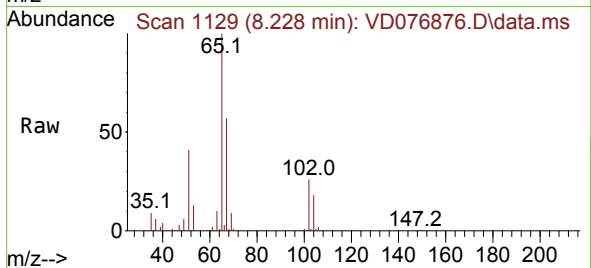
82ND-1

Tgt Ion: 65 Resp: 93672

Ion Ratio Lower Upper

65 100

67 54.6 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: VD076876.D

Acq: 31 Jul 2023 15:59

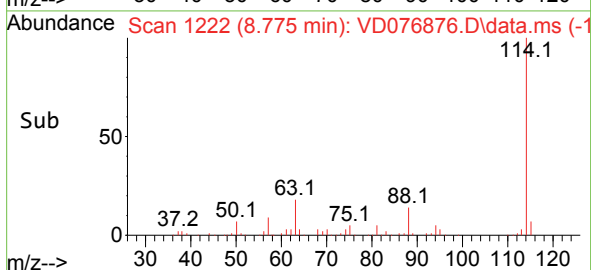
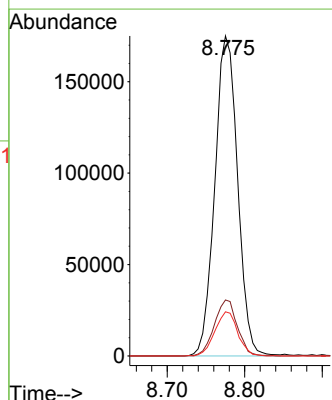
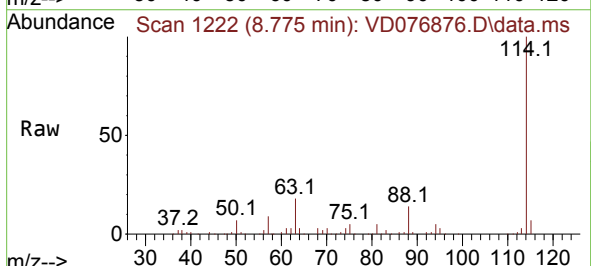
Tgt Ion: 114 Resp: 357634

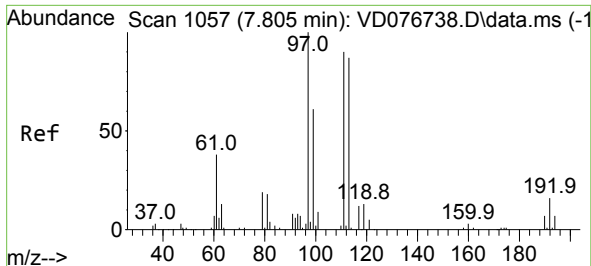
Ion Ratio Lower Upper

114 100

63 17.5 0.0 33.4

88 13.8 0.0 26.2





#35

Dibromofluoromethane

Concen: 51.192 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076876.D

Acq: 31 Jul 2023 15:59

Instrument :

MSVOA_D

ClientSampleId :

82ND-1

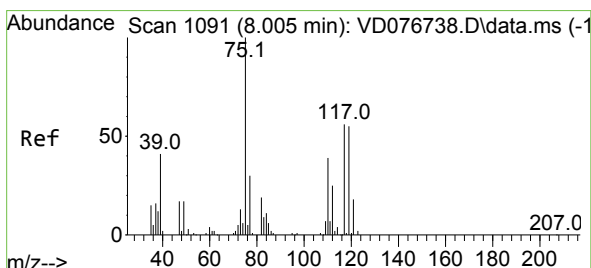
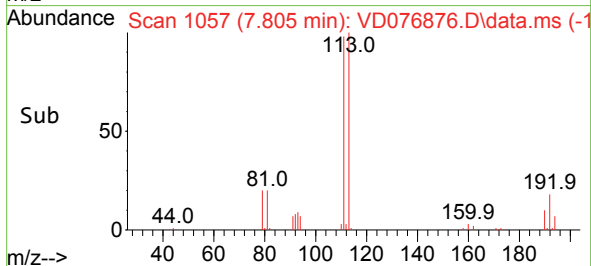
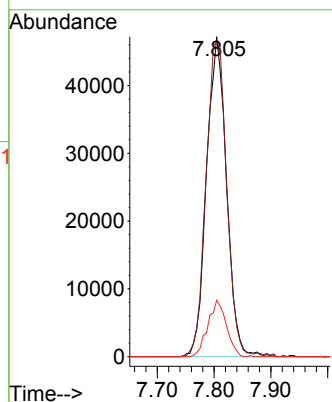
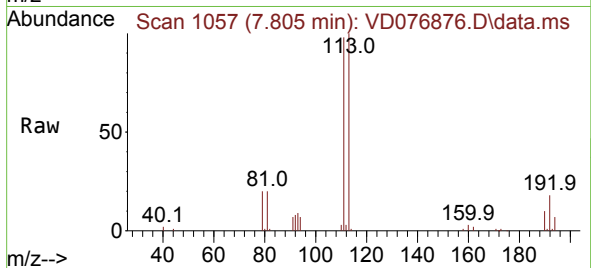
Tgt Ion:113 Resp: 115049

Ion Ratio Lower Upper

113 100

111 101.8 84.7 127.1

192 16.4 16.8 25.2#



#36

1,1-Dichloropropene

Concen: 5.234 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.130 min

Lab File: VD076876.D

Acq: 31 Jul 2023 15:59

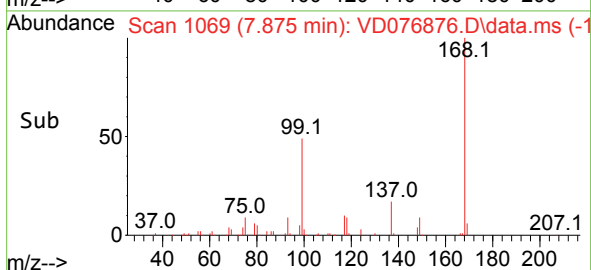
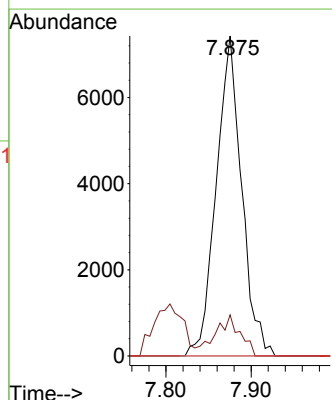
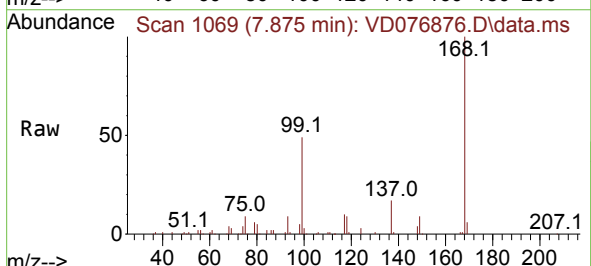
Tgt Ion: 75 Resp: 15372

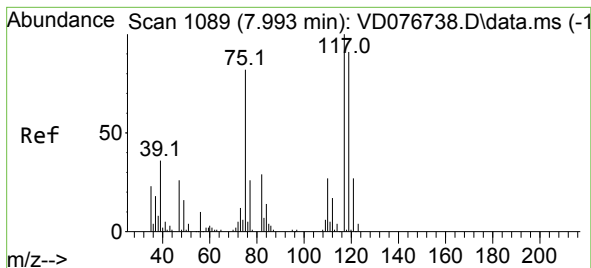
Ion Ratio Lower Upper

75 100

110 12.6 19.9 59.6#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.702 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD076876.D

Acq: 31 Jul 2023 15:59

Instrument :

MSVOA_D

ClientSampleId :

82ND-1

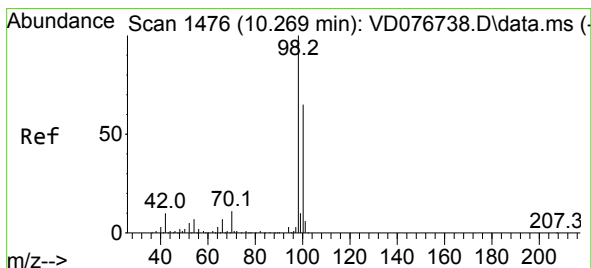
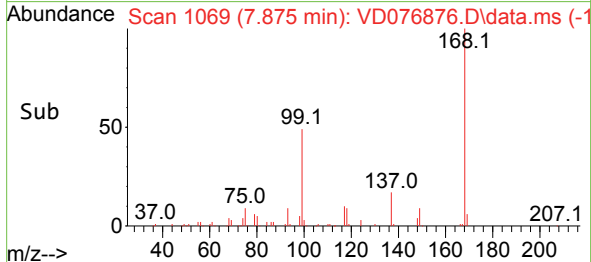
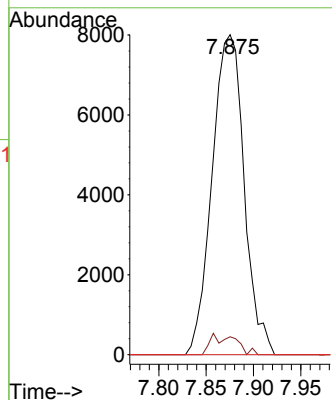
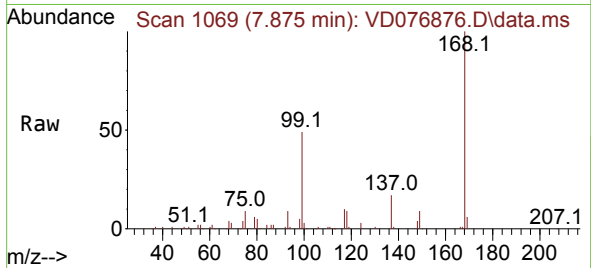
Tgt Ion:117 Resp: 18847

Ion Ratio Lower Upper

117 100

119 5.6 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 54.423 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076876.D

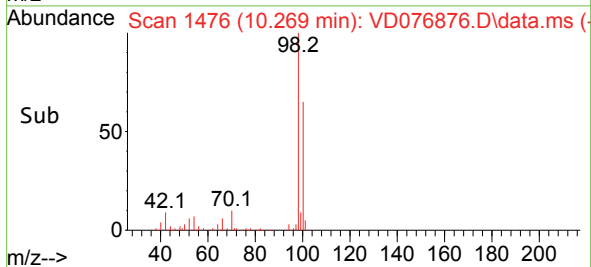
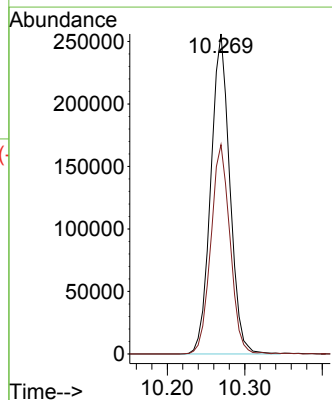
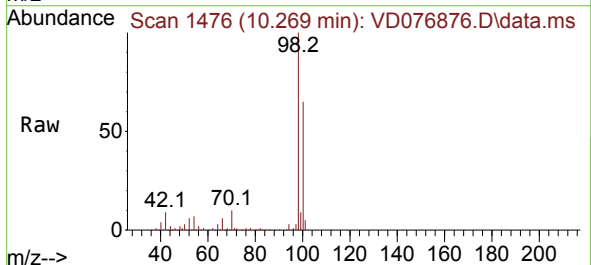
Acq: 31 Jul 2023 15:59

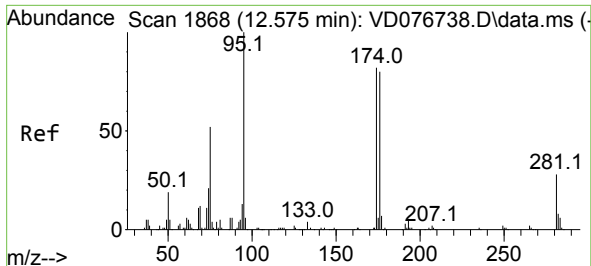
Tgt Ion: 98 Resp: 437551

Ion Ratio Lower Upper

98 100

100 65.8 50.3 75.5

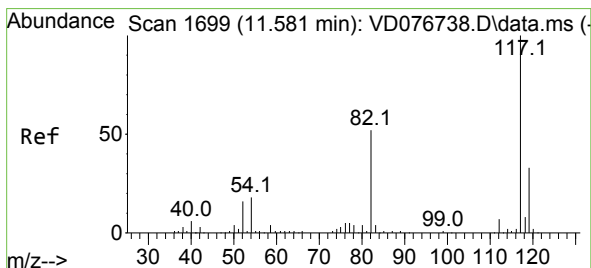
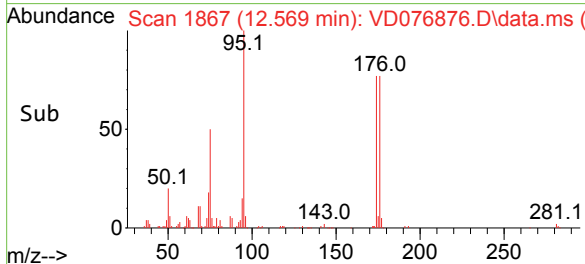
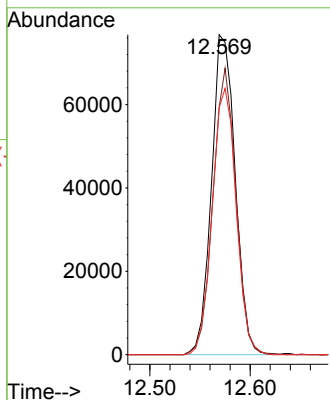
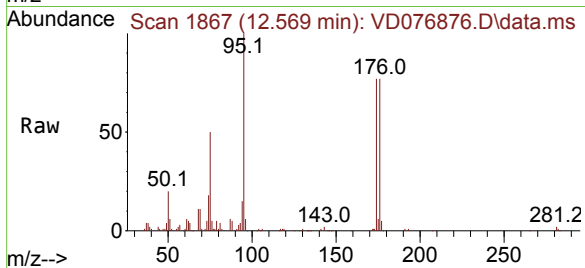




#62
4-Bromofluorobenzene
Concen: 48.477 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD076876.D
Acq: 31 Jul 2023 15:59

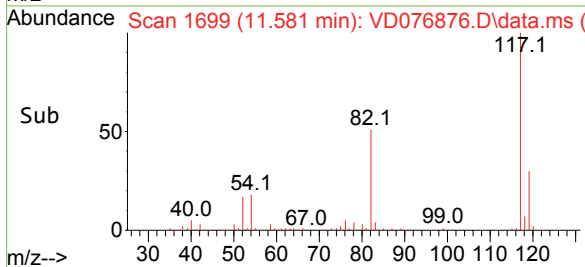
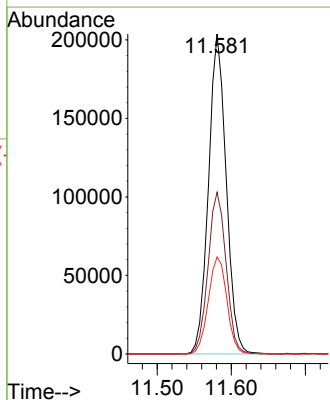
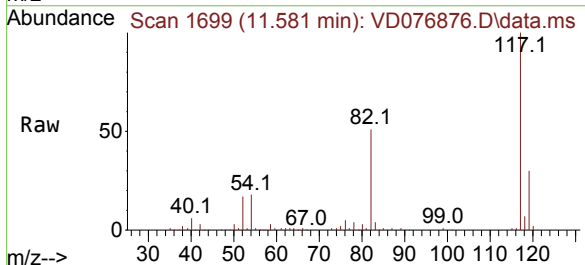
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82ND-1

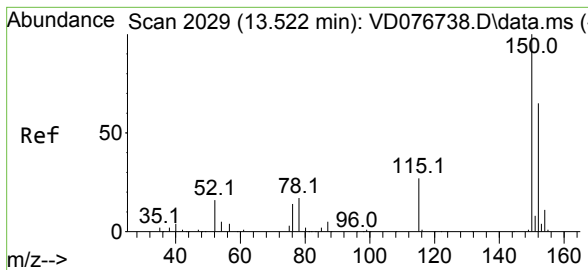
Tgt Ion: 95 Resp: 126083
Ion Ratio Lower Upper
95 100
174 86.8 0.0 201.8
176 83.7 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD076876.D
Acq: 31 Jul 2023 15:59

Tgt Ion: 117 Resp: 337895
Ion Ratio Lower Upper
117 100
82 50.5 38.3 57.5
119 30.3 25.0 37.4

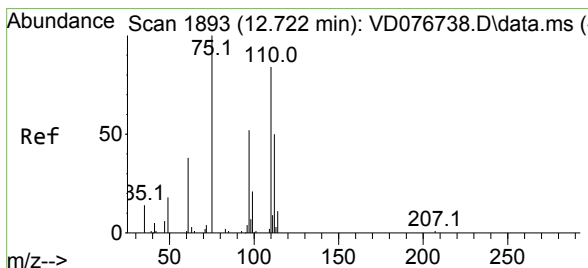
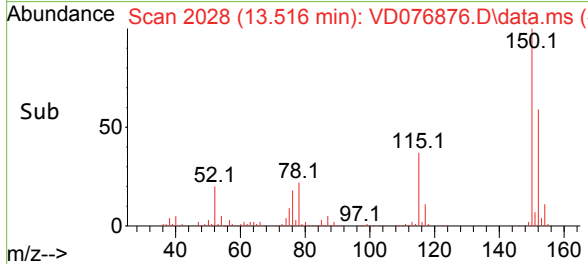
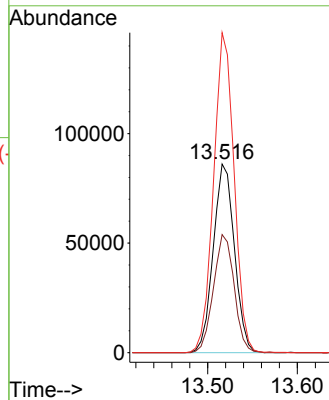
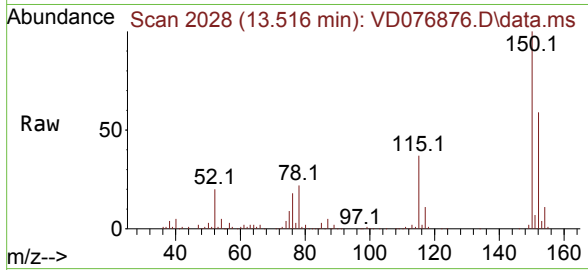




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2029
 Delta R.T. -0.006 min
 Lab File: VD076876.D
 Acq: 31 Jul 2023 15:59

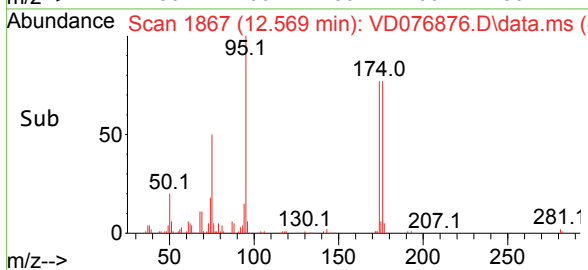
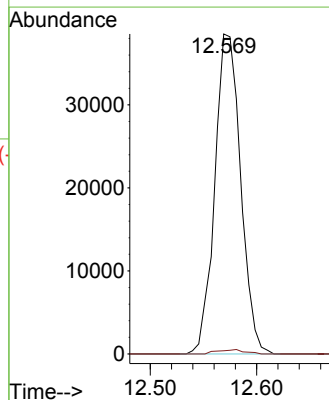
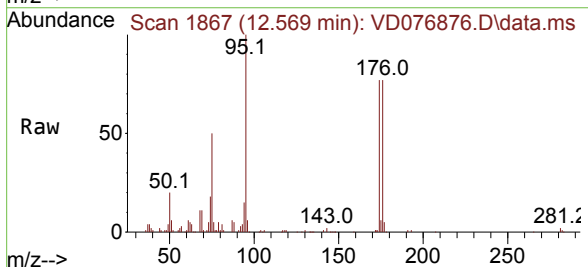
Instrument :
 MSVOA_D
 ClientSampleId :
 82ND-1

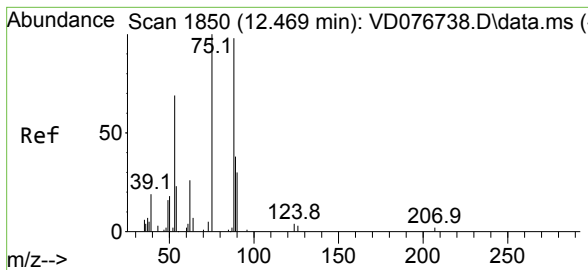
Tgt Ion:152 Resp: 141170
 Ion Ratio Lower Upper
 152 100
 115 61.2 27.1 81.3
 150 164.3 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 48.420 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. -0.153 min
 Lab File: VD076876.D
 Acq: 31 Jul 2023 15:59

Tgt Ion: 75 Resp: 65004
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.050 ug/l
 RT: 12.569 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD076876.D
 Acq: 31 Jul 2023 15:59

Instrument :
 MSVOA_D
 ClientSampleId :
 82ND-1

Tgt Ion:	75	Resp:	65004
Ion	Ratio	Lower	Upper
75	100		
53	0.1	63.0	94.4#
89	0.0	37.9	56.9#

