

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122823\
 Data File : VD078091.D
 Acq On : 28 Dec 2023 14:36
 Operator : RP/MD
 Sample : 06027-03RE
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PIERRE

Quant Time: Dec 28 22:25:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122623S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 27 03:40:16 2023
 Response via : Initial Calibration

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

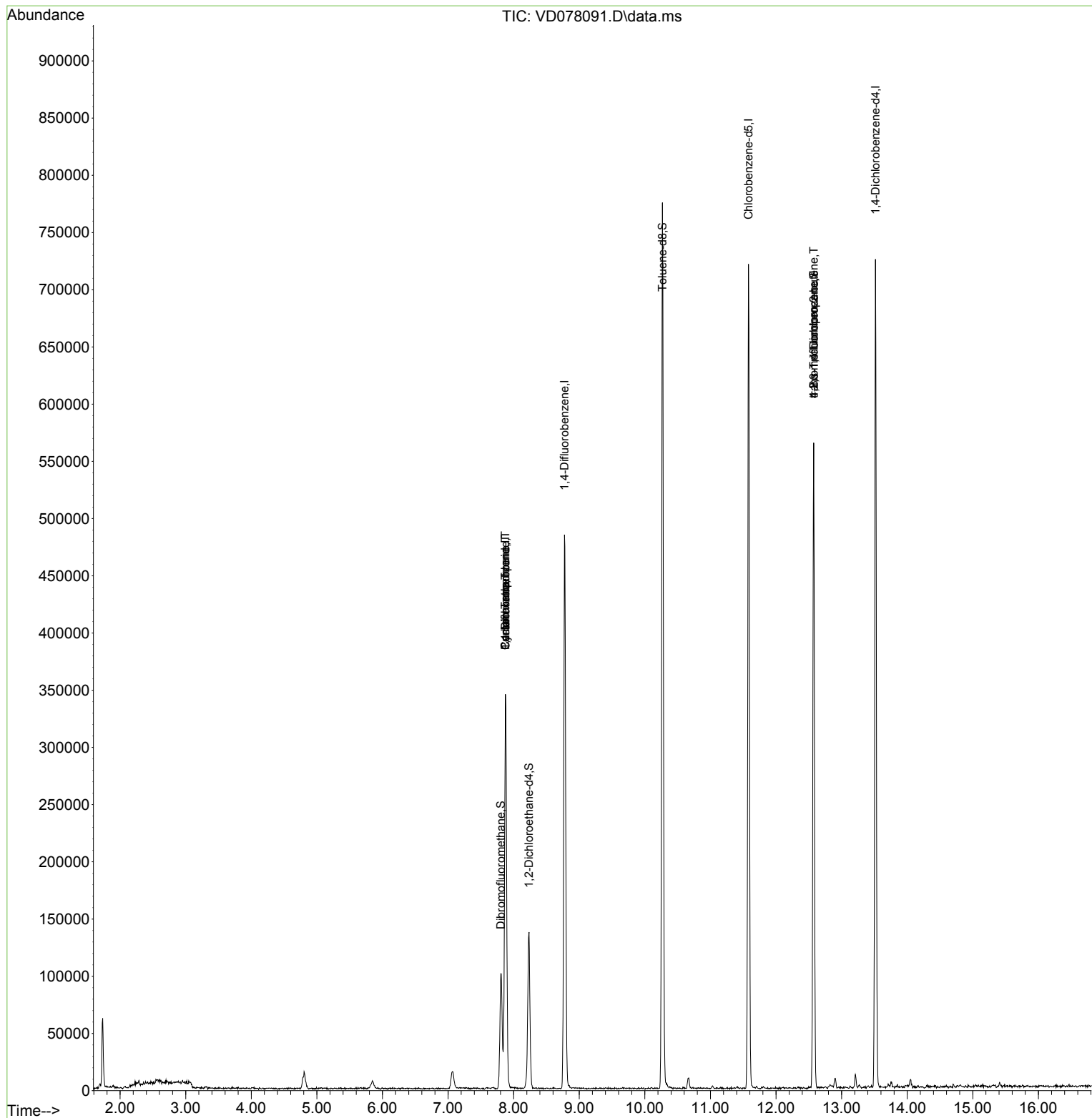
Internal Standards						
1) Pentafluorobenzene	7.875	168	278989	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	459439	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	436235	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	205597	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	106475	42.893	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.780%
35) Dibromofluoromethane	7.804	113	74846	25.319	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	50.640%#
50) Toluene-d8	10.269	98	555821	53.435	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	106.860%
62) 4-Bromofluorobenzene	12.575	95	170708	51.005	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.020%
Target Compounds						
11) Tert butyl alcohol	5.051	59	357	Below Cal	#	73
16) Acetone	4.004	43	1109	Below Cal	#	32
25) 2-Butanone	7.081	43	1014	Below Cal	#	37
31) Cyclohexane	7.875	56	5023	1.268	ug/l #	42
36) 1,1-Dichloropropene	7.875	75	20132	4.840	ug/l #	48
38) Carbon Tetrachloride	7.875	117	25581	5.676	ug/l #	13
76) 1,2,3-Trichloropropane	12.575	75	83668	48.236	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	83668	103.938	ug/l #	17

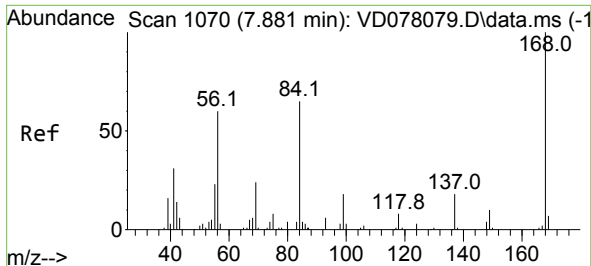
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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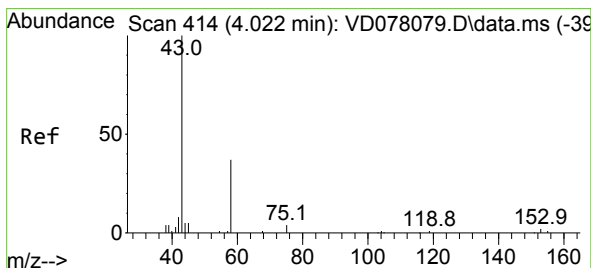
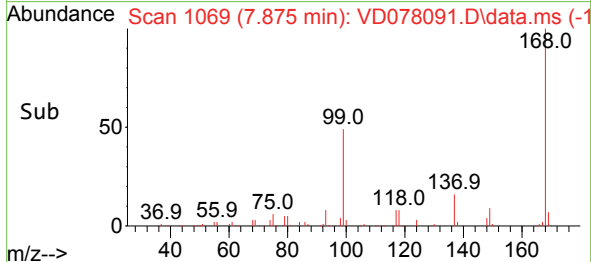
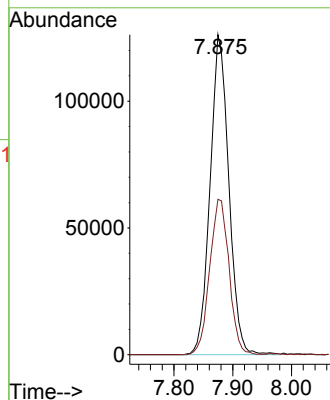
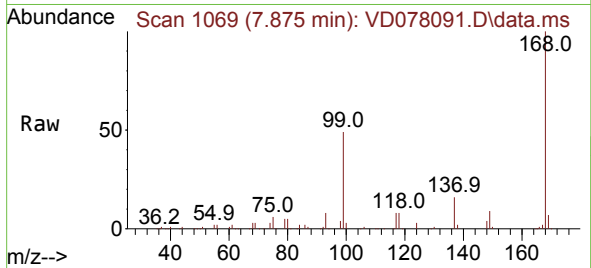




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD078091.D
Acq: 28 Dec 2023 14:36

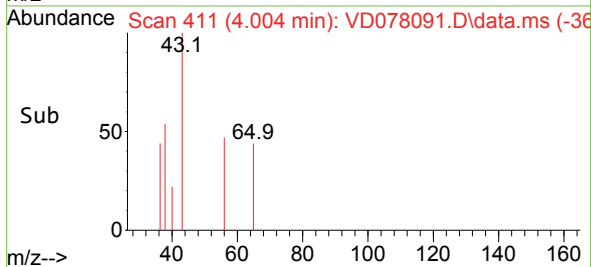
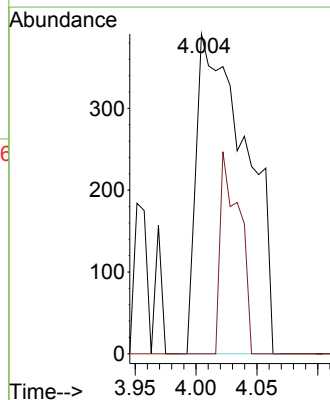
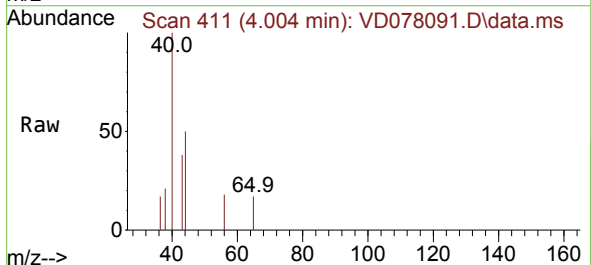
Instrument :
MSVOA_D
ClientSampleId :
PIERSRE

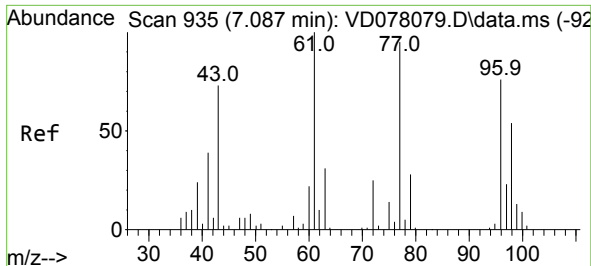
Tgt Ion:168 Resp: 278989
Ion Ratio Lower Upper
168 100
99 48.6 36.7 55.1



#16
Acetone
Concen: Below Cal
RT: 4.004 min Scan# 411
Delta R.T. -0.018 min
Lab File: VD078091.D
Acq: 28 Dec 2023 14:36

Tgt Ion: 43 Resp: 1109
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#

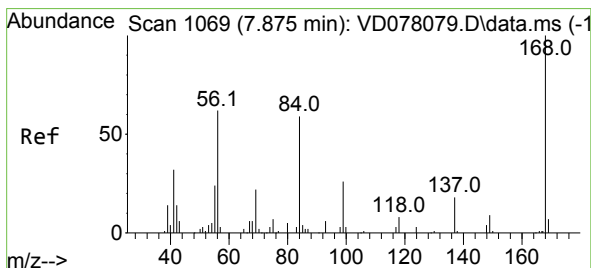
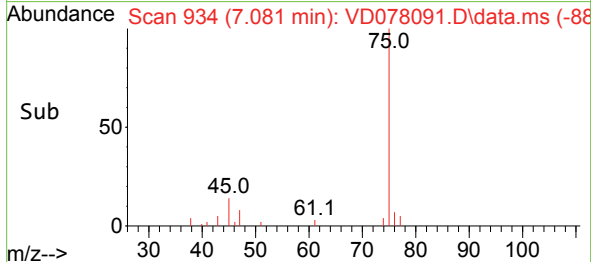
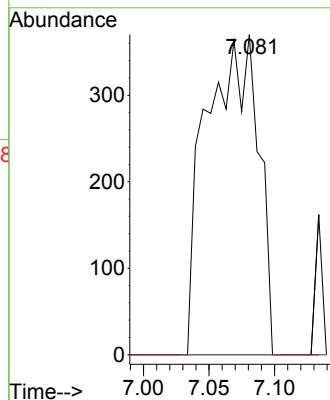
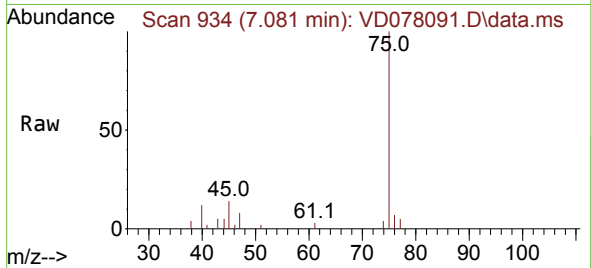




#25
2-Butanone
Concen: Below Cal
RT: 7.081 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD078091.D
Acq: 28 Dec 2023 14:36

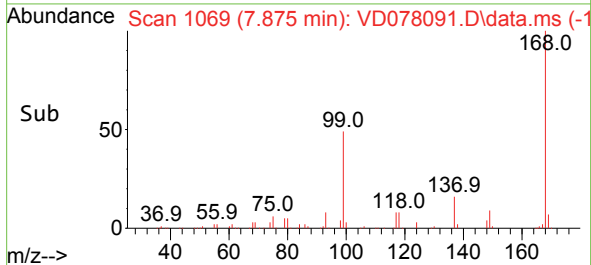
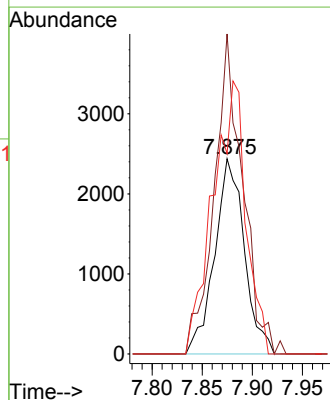
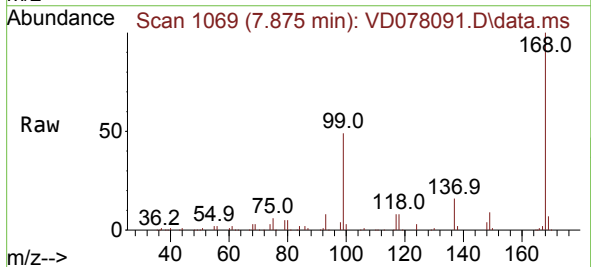
Instrument :
MSVOA_D
ClientSampleId :
PIERSRE

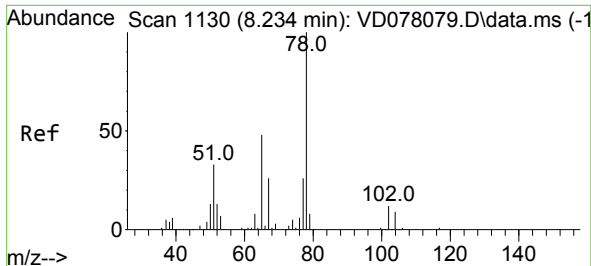
Tgt Ion: 43 Resp: 1014
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.268 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD078091.D
Acq: 28 Dec 2023 14:36

Tgt Ion: 56 Resp: 5023
Ion Ratio Lower Upper
56 100
69 163.9 28.6 43.0#
84 102.6 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 42.893 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD078091.D

Acq: 28 Dec 2023 14:36

Instrument :

MSVOA_D

ClientSampleId :

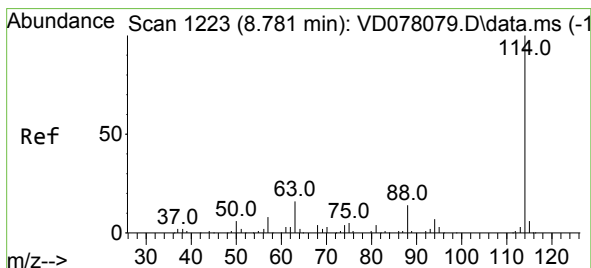
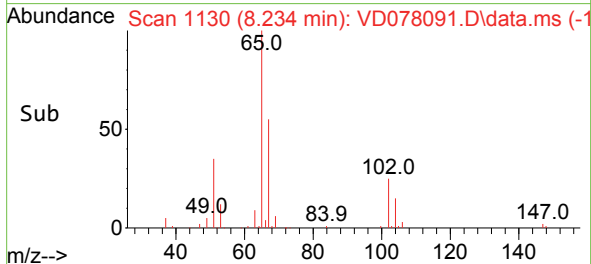
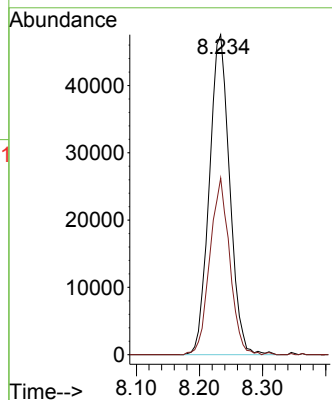
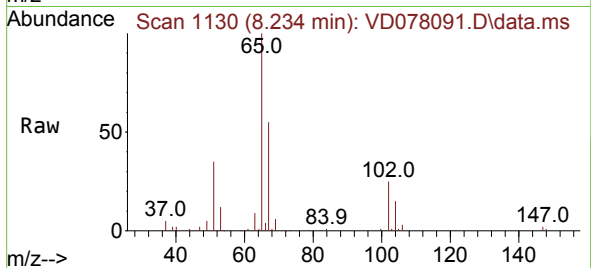
PIERSRE

Tgt Ion: 65 Resp: 106475

Ion Ratio Lower Upper

65 100

67 53.8 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VD078091.D

Acq: 28 Dec 2023 14:36

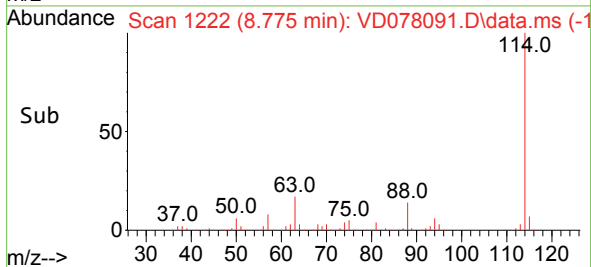
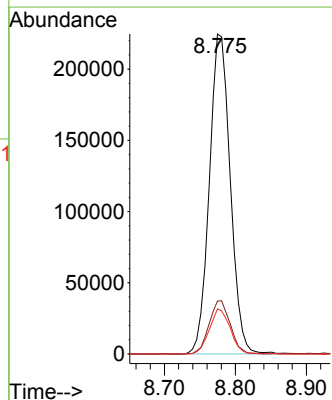
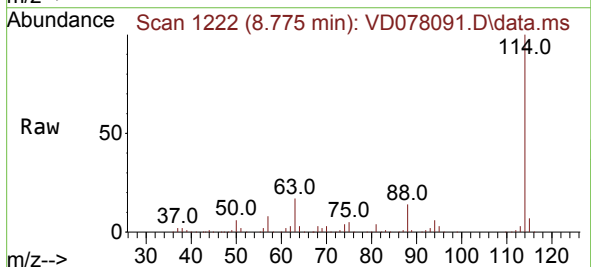
Tgt Ion:114 Resp: 459439

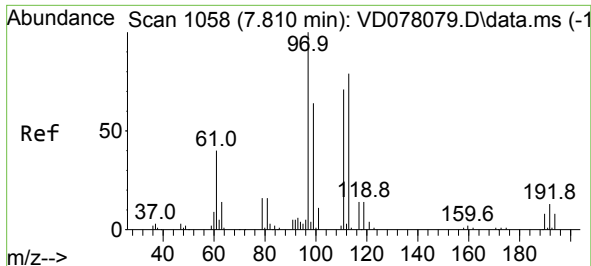
Ion Ratio Lower Upper

114 100

63 16.6 0.0 33.4

88 14.1 0.0 26.2

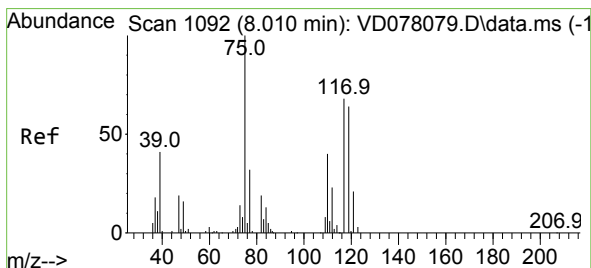
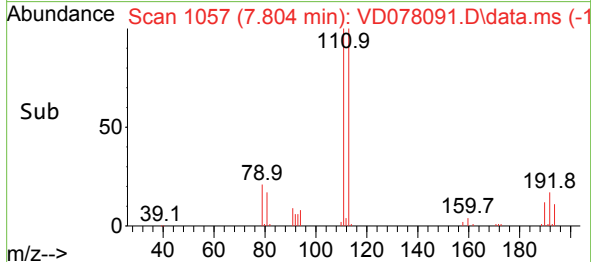
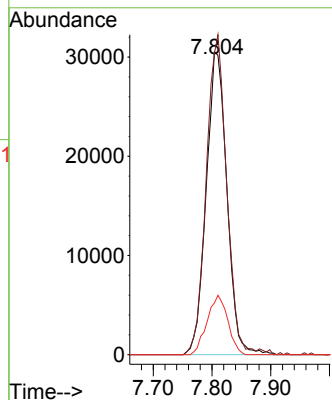
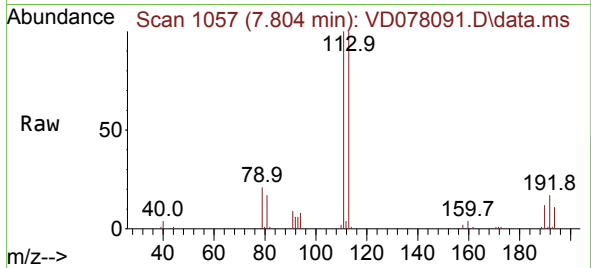




#35
Dibromofluoromethane
Concen: 25.319 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VD078091.D
Acq: 28 Dec 2023 14:36

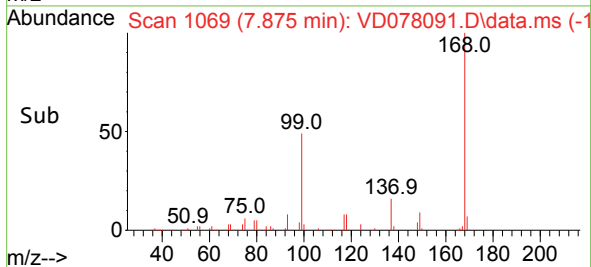
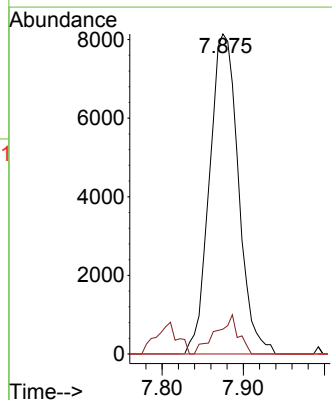
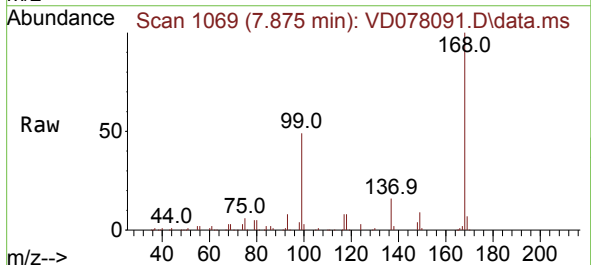
Instrument :
MSVOA_D
ClientSampleId :
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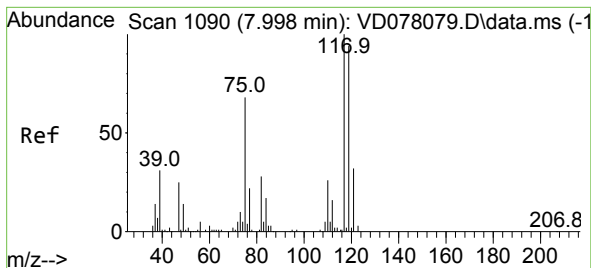
Tgt Ion:113 Resp: 74846
Ion Ratio Lower Upper
113 100
111 104.6 84.7 127.1
192 19.6 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.840 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD078091.D
Acq: 28 Dec 2023 14:36

Tgt Ion: 75 Resp: 20132
Ion Ratio Lower Upper
75 100
110 9.5 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.676 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.124 min

Lab File: VD078091.D

Acq: 28 Dec 2023 14:36

Instrument :

MSVOA_D

ClientSampleId :

PIERSRE

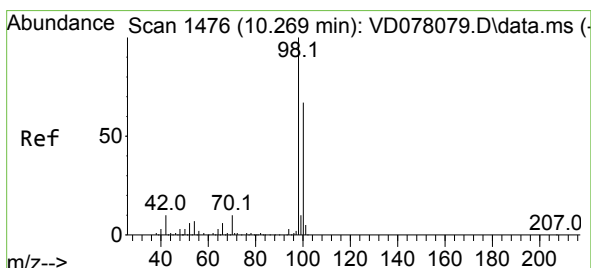
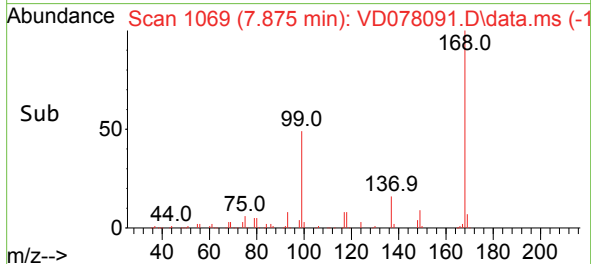
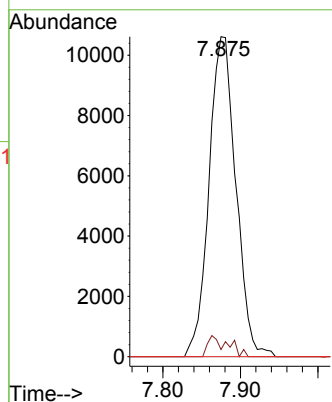
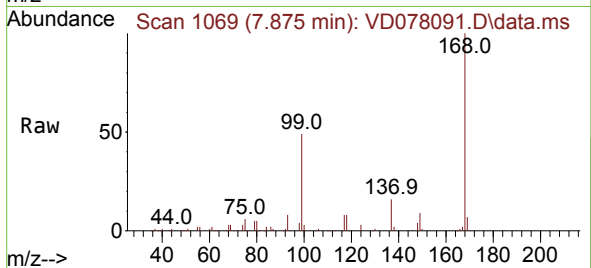
Tgt Ion:117 Resp: 25581

Ion Ratio Lower Upper

117 100

119 2.3 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 53.435 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD078091.D

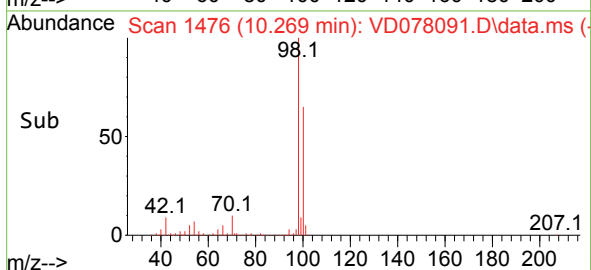
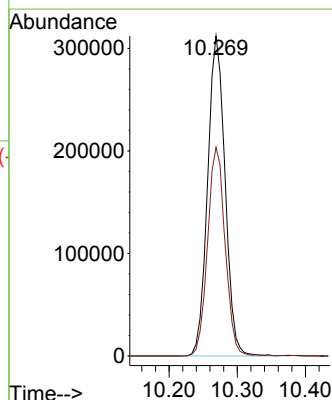
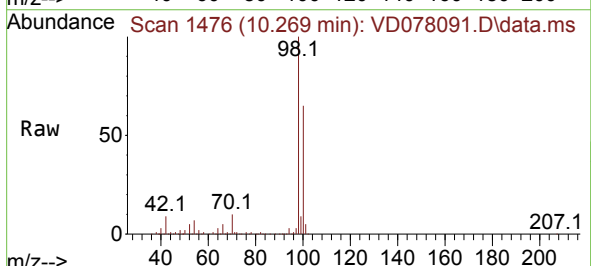
Acq: 28 Dec 2023 14:36

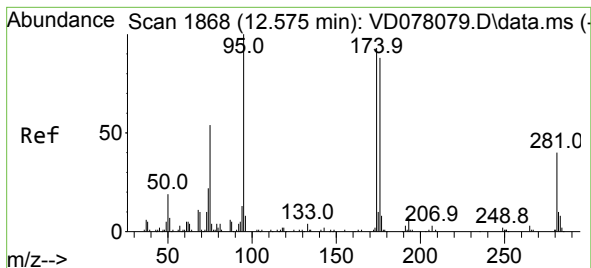
Tgt Ion: 98 Resp: 555821

Ion Ratio Lower Upper

98 100

100 65.5 50.3 75.5

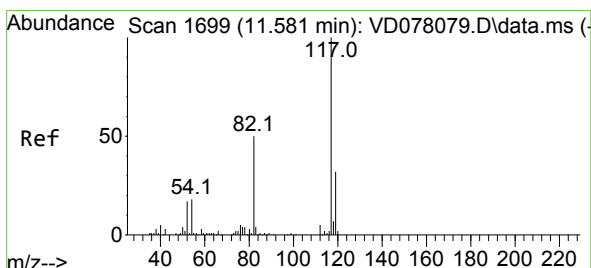
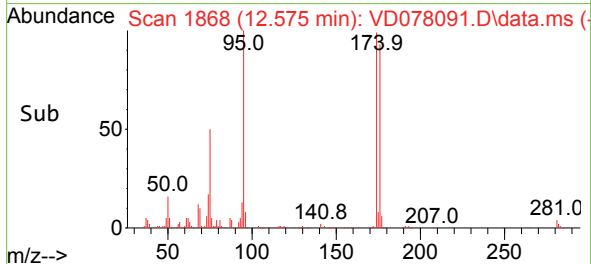
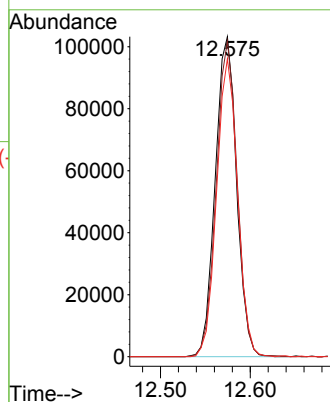
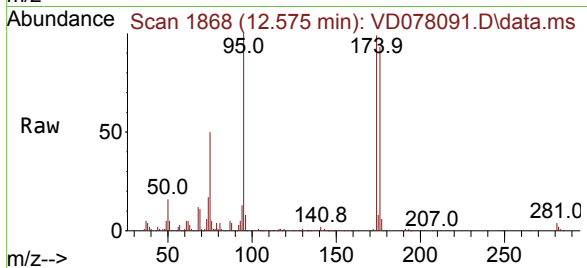




#62
4-Bromofluorobenzene
Concen: 51.005 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078091.D
Acq: 28 Dec 2023 14:36

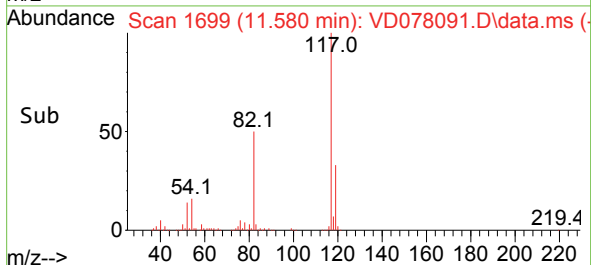
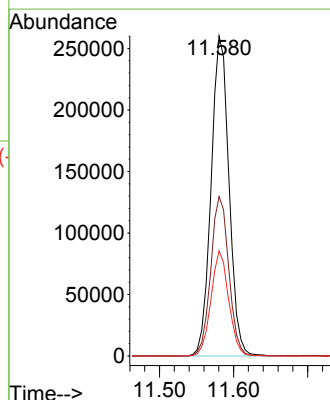
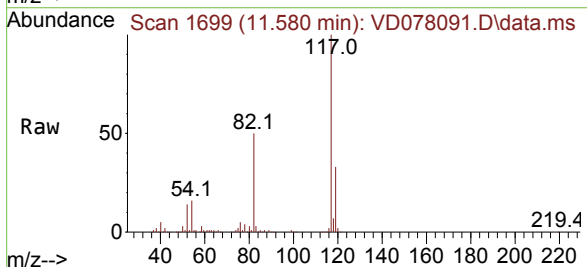
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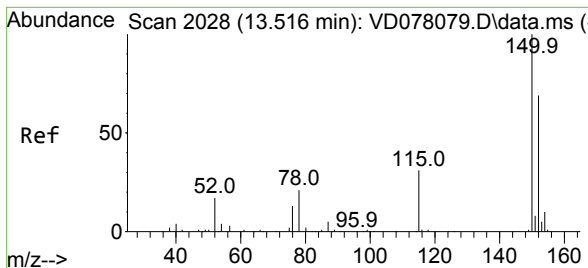
Tgt Ion: 95 Resp: 170708
Ion Ratio Lower Upper
95 100
174 96.7 0.0 201.8
176 91.2 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD078091.D
Acq: 28 Dec 2023 14:36

Tgt Ion: 117 Resp: 436235
Ion Ratio Lower Upper
117 100
82 49.8 38.3 57.5
119 32.9 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. -0.000 min

Lab File: VD078091.D

Acq: 28 Dec 2023 14:36

Instrument :

MSVOA_D

ClientSampleId :

PIERSRE

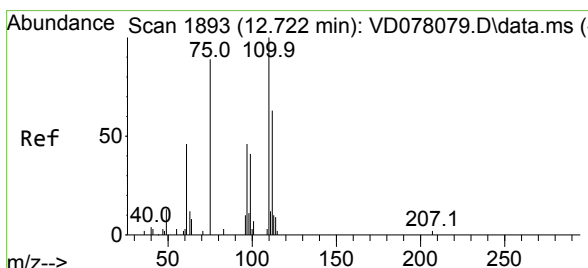
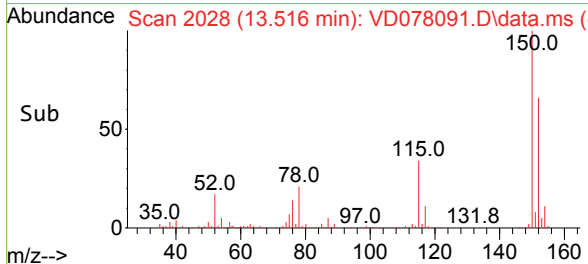
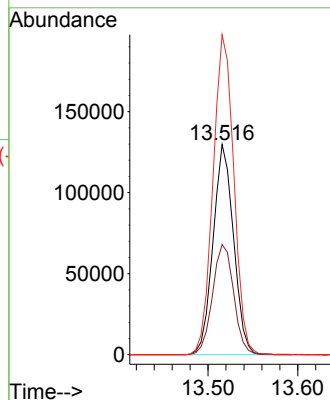
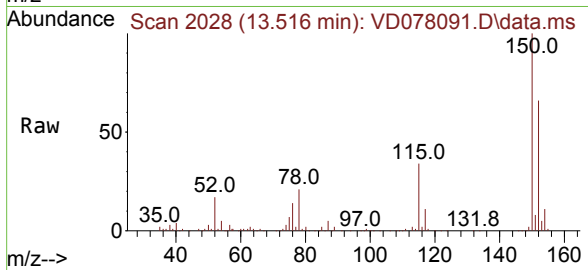
Tgt Ion:152 Resp: 205597

Ion Ratio Lower Upper

152 100

115 54.2 27.1 81.3

150 154.8 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 48.236 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD078091.D

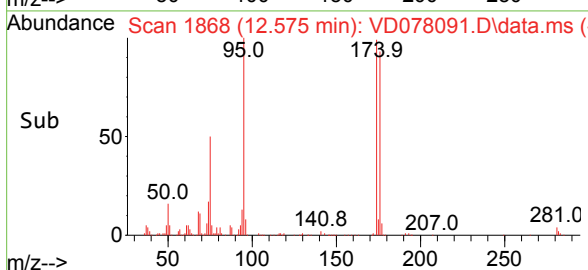
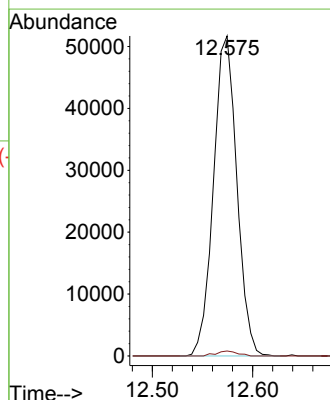
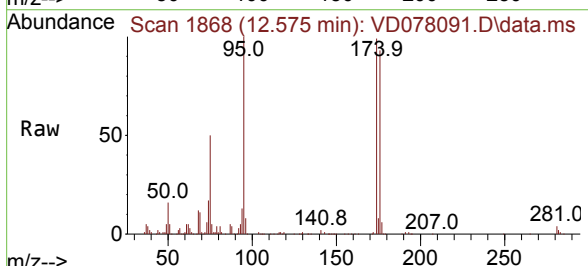
Acq: 28 Dec 2023 14:36

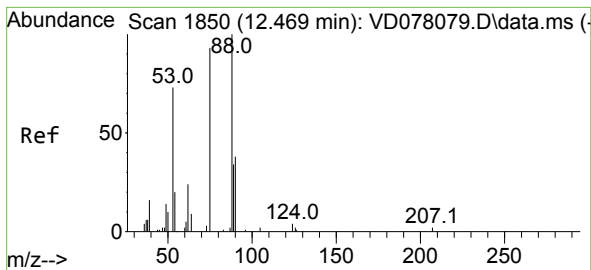
Tgt Ion: 75 Resp: 83668

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.938 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD078091.D
 Acq: 28 Dec 2023 14:36

Instrument :
 MSVOA_D
 ClientSampleId :
 PIERBRE

Tgt Ion: 75 Resp: 83668
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.0 94.4#
 89 0.3 37.9 56.9#

