

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070824\
 Data File : VD079351.D
 Acq On : 08 Jul 2024 19:56
 Operator : RP/MD
 Sample : P3159-01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-070324

Quant Time: Jul 09 04:58:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D070824S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 17:06:59 2024
 Response via : Initial Calibration

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

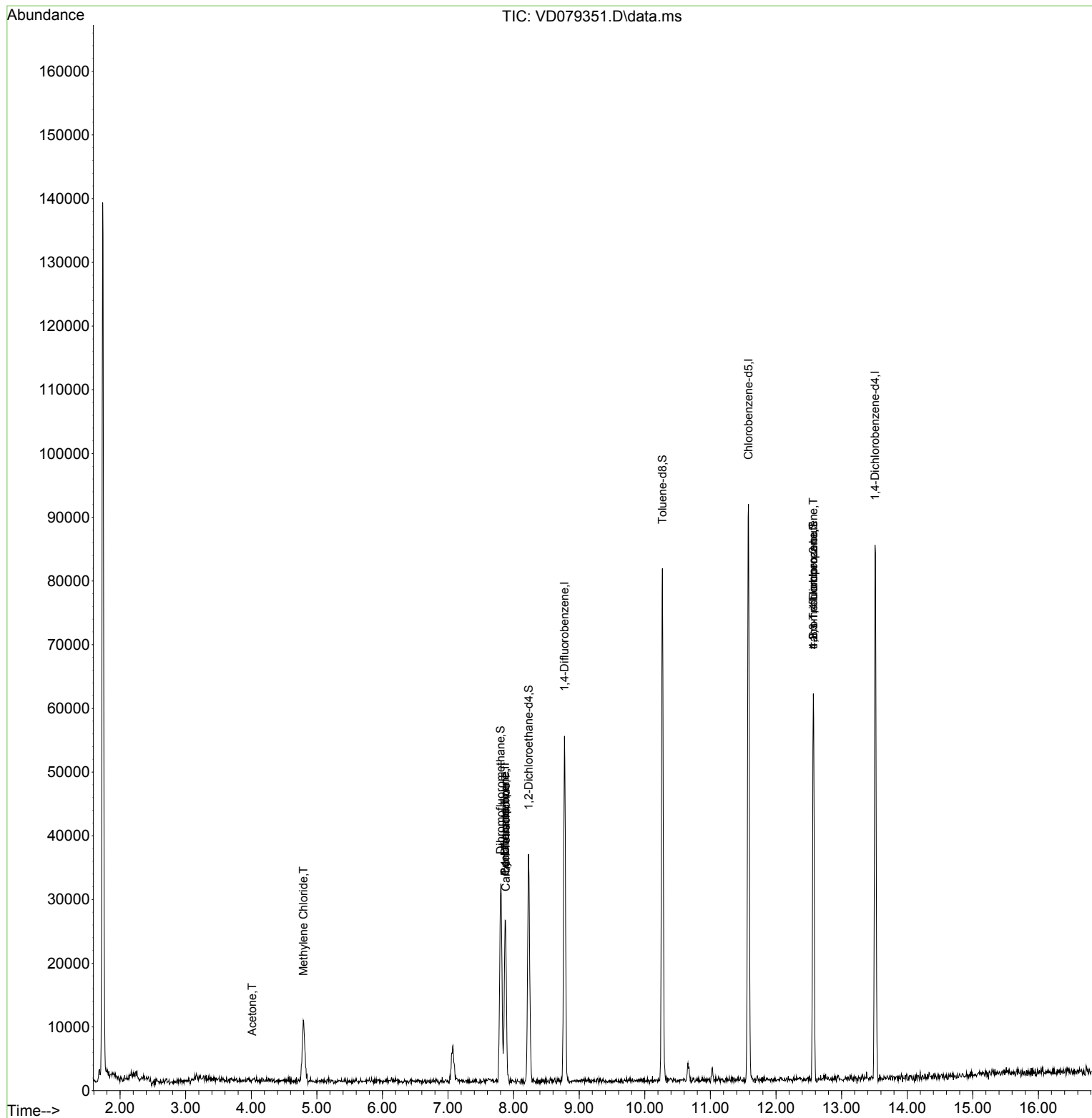
Internal Standards						
1) Pentafluorobenzene	7.869	168	18790	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	48855	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	57014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	22822	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	27545	124.397	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 248.800%#	
35) Dibromofluoromethane	7.799	113	24204	70.226	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 140.460%	
50) Toluene-d8	10.269	98	58440	43.986	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 87.980%	
62) 4-Bromofluorobenzene	12.569	95	21904	53.043	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 106.080%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.687	94	281	Below Cal	#	2
16) Acetone	4.017	43	446	10.590	ug/l #	37
20) Methylene Chloride	4.793	84	7478	16.817	ug/l #	84
31) Cyclohexane	7.869	56	607	1.813	ug/l #	23
36) 1,1-Dichloropropene	7.869	75	1458	3.330	ug/l #	39
38) Carbon Tetrachloride	7.881	117	2086	4.526	ug/l #	13
76) 1,2,3-Trichloropropane	12.569	75	10483	47.807	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	10483	90.138	ug/l #	19

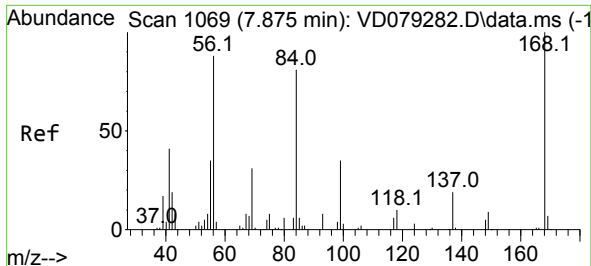
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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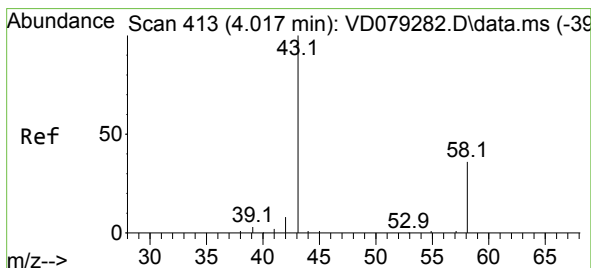
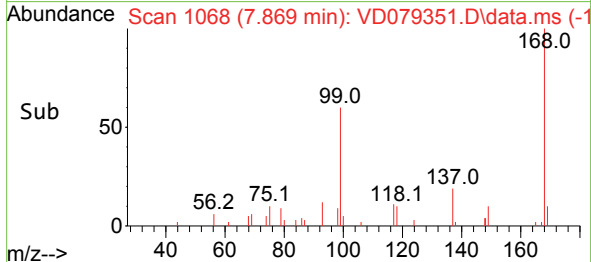
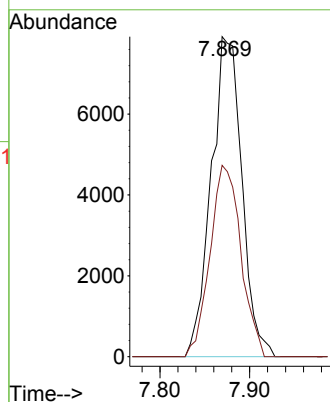
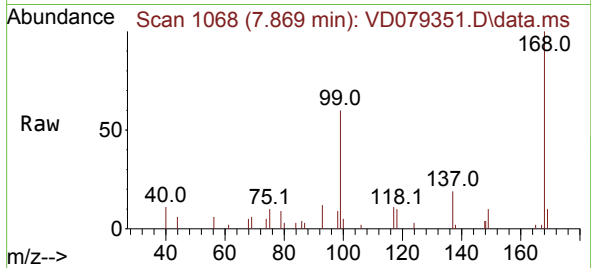




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD079351.D
Acq: 08 Jul 2024 19:56

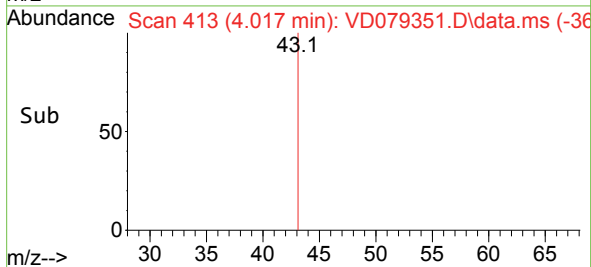
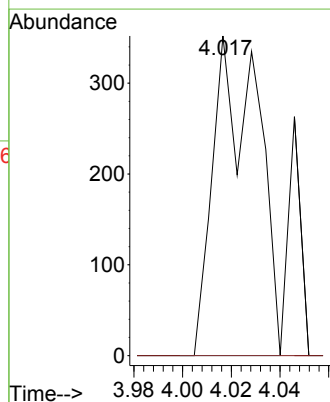
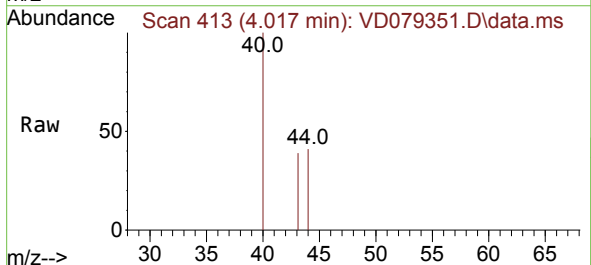
Instrument :
MSVOA_D
ClientSampleId :
SU-04-070324

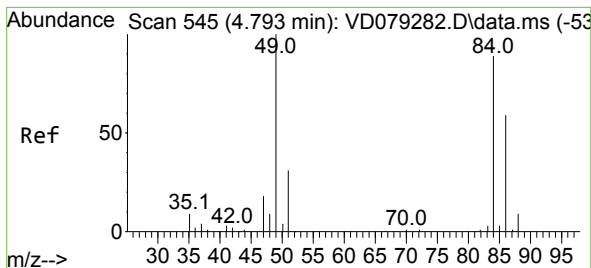
Tgt Ion:168 Resp: 18790
Ion Ratio Lower Upper
168 100
99 59.8 41.1 61.7



#16
Acetone
Concen: 10.590 ug/l
RT: 4.017 min Scan# 413
Delta R.T. -0.000 min
Lab File: VD079351.D
Acq: 08 Jul 2024 19:56

Tgt Ion: 43 Resp: 446
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#





#20

Methylene Chloride

Concen: 16.817 ug/l

RT: 4.793 min Scan# 54

Delta R.T. -0.000 min

Lab File: VD079351.D

Acq: 08 Jul 2024 19:56

Instrument :

MSVOA_D

ClientSampleId :

SU-04-070324

Tgt Ion: 84 Resp: 7478

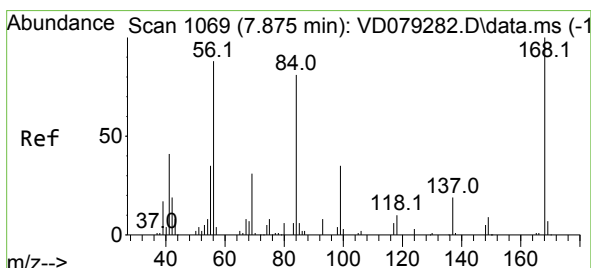
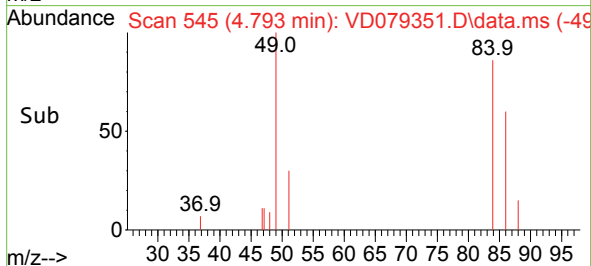
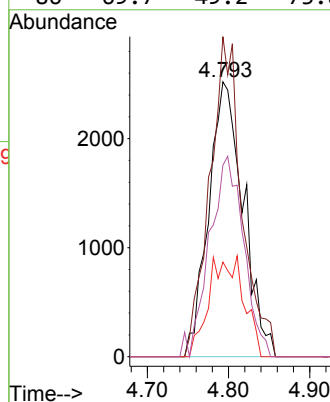
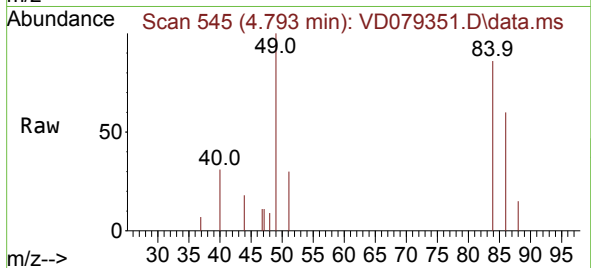
Ion Ratio Lower Upper

84 100

49 116.4 75.6 113.4#

51 34.4 24.2 36.2

86 69.7 49.2 73.8



#31

Cyclohexane

Concen: 1.813 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VD079351.D

Acq: 08 Jul 2024 19:56

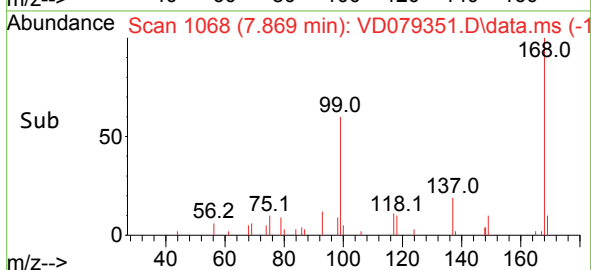
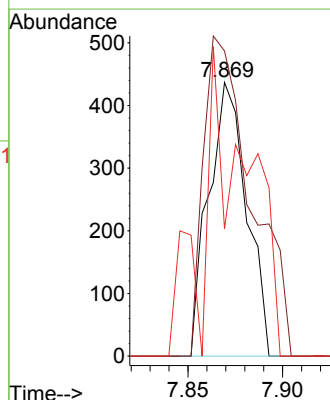
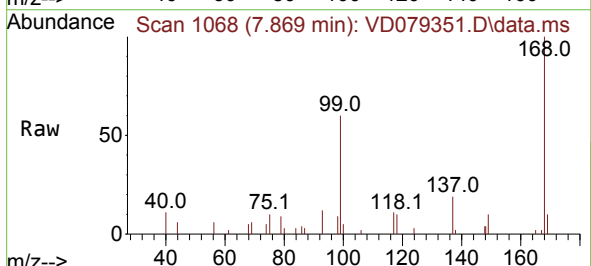
Tgt Ion: 56 Resp: 607

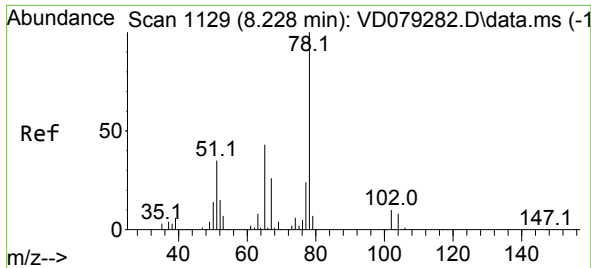
Ion Ratio Lower Upper

56 100

69 111.4 28.0 42.0#

84 46.5 87.4 131.0#

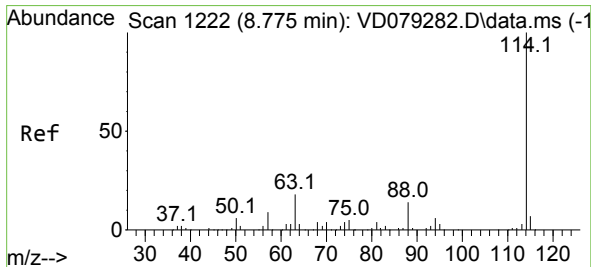
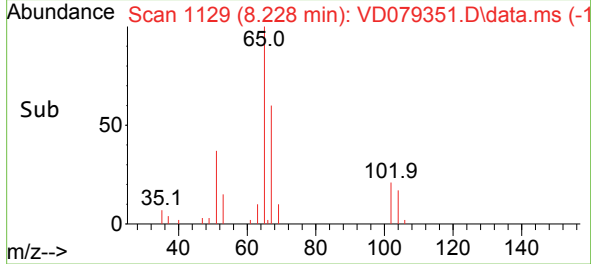
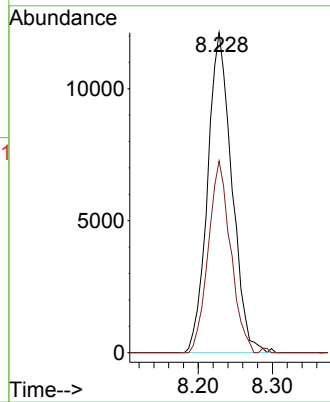
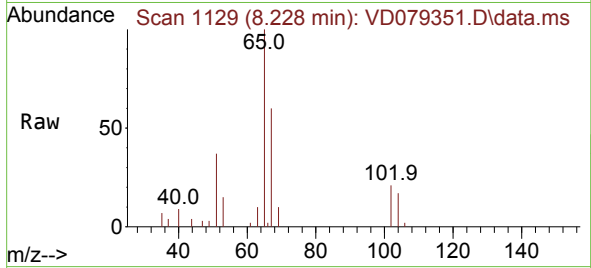




#33
1,2-Dichloroethane-d4
Concen: 124.397 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD079351.D
Acq: 08 Jul 2024 19:56

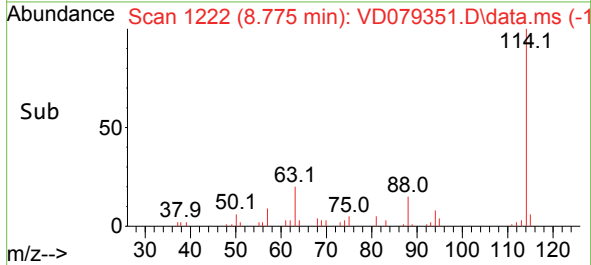
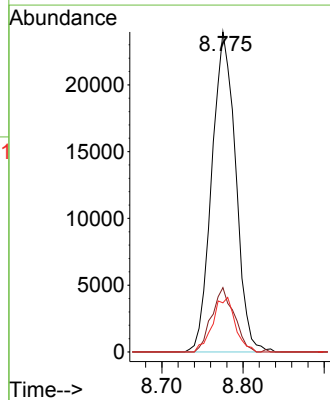
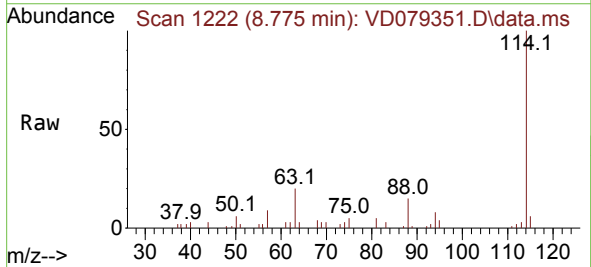
Instrument :
MSVOA_D
ClientSampleId :
SU-04-070324

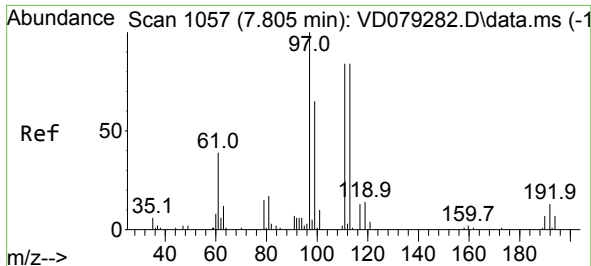
Tgt Ion: 65 Resp: 27545
Ion Ratio Lower Upper
65 100
67 55.2 0.0 111.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 1222
Delta R.T. -0.000 min
Lab File: VD079351.D
Acq: 08 Jul 2024 19:56

Tgt Ion: 114 Resp: 48855
Ion Ratio Lower Upper
114 100
63 20.1 0.0 34.0
88 15.3 0.0 27.2





#35

Dibromofluoromethane

Concen: 70.226 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VD079351.D

Acq: 08 Jul 2024 19:56

Instrument :

MSVOA_D

ClientSampleId :

SU-04-070324

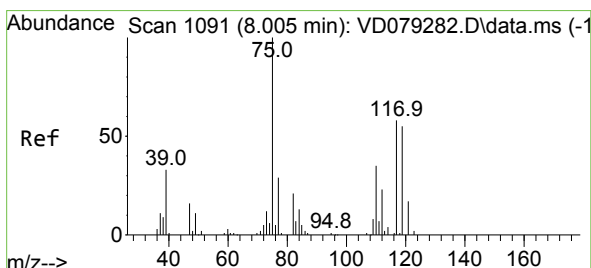
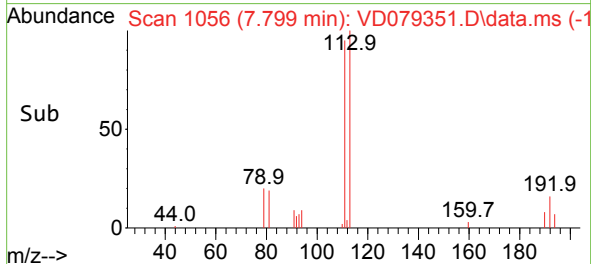
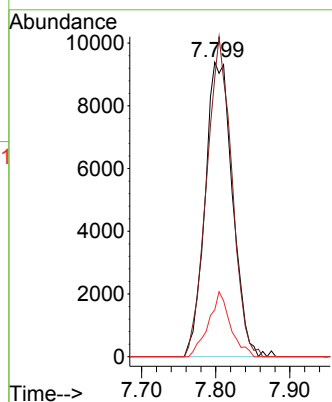
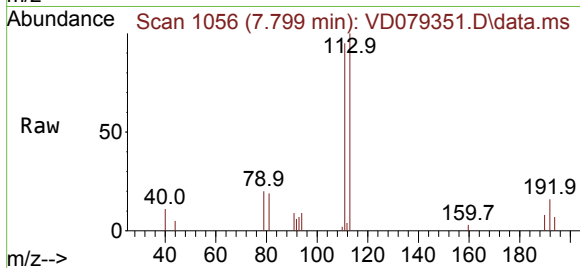
Tgt Ion:113 Resp: 24204

Ion Ratio Lower Upper

113 100

111 99.7 84.0 126.0

192 17.6 15.4 23.0



#36

1,1-Dichloropropene

Concen: 3.330 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VD079351.D

Acq: 08 Jul 2024 19:56

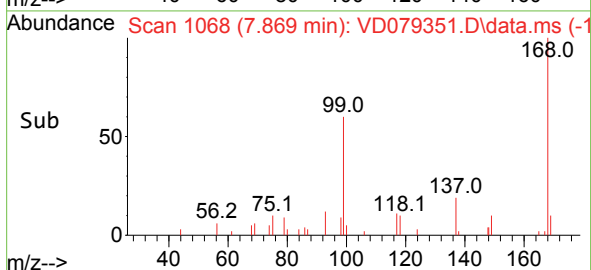
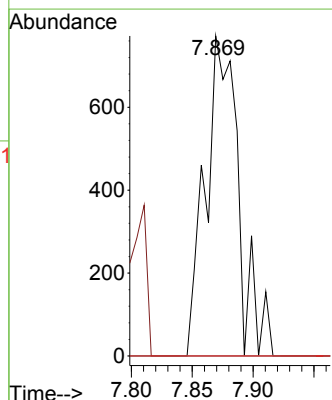
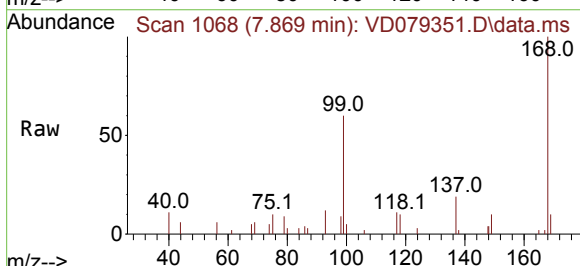
Tgt Ion: 75 Resp: 1458

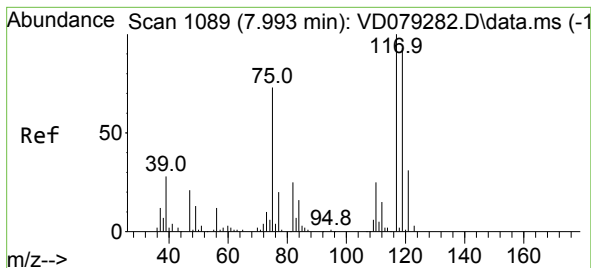
Ion Ratio Lower Upper

75 100

110 0.0 19.6 58.7#

77 0.0 26.1 39.1#





#38

Carbon Tetrachloride

Concen: 4.526 ug/l

RT: 7.881 min Scan# 1089

Delta R.T. -0.106 min

Lab File: VD079351.D

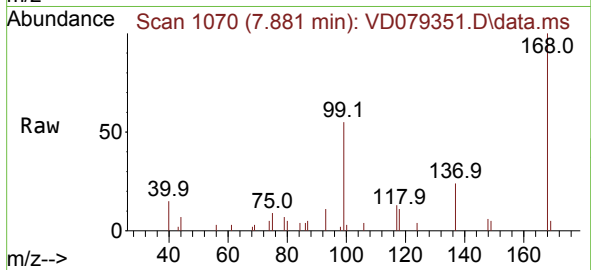
Acq: 08 Jul 2024 19:56

Instrument :

MSVOA_D

ClientSampleId :

SU-04-070324



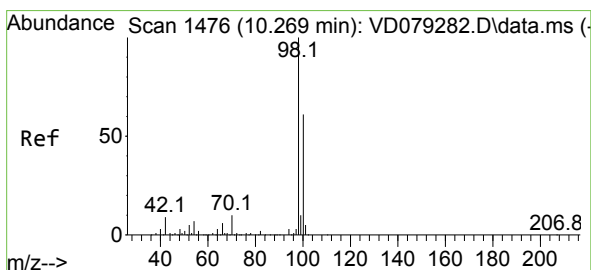
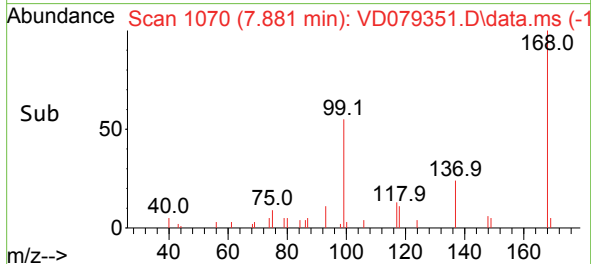
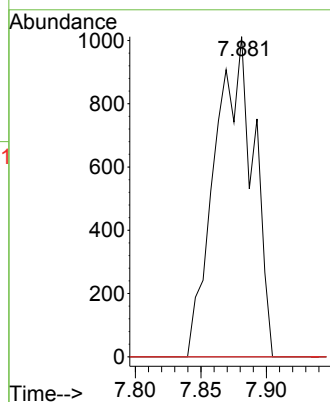
Tgt Ion:117 Resp: 2086

Ion Ratio Lower Upper

117 100

119 0.0 75.4 113.0#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 43.986 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD079351.D

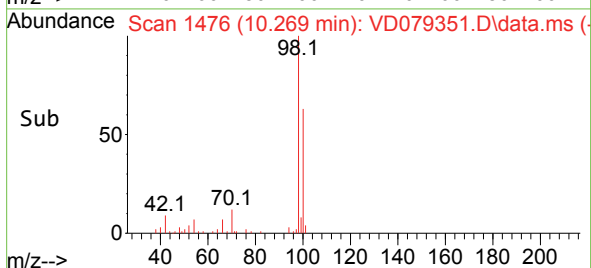
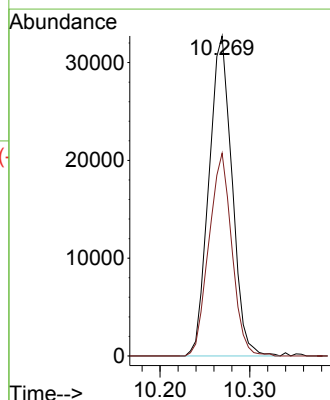
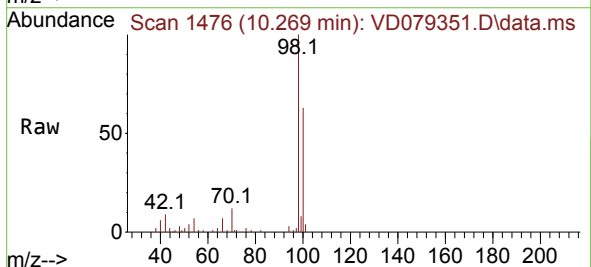
Acq: 08 Jul 2024 19:56

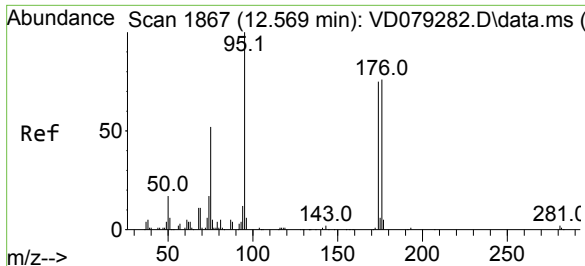
Tgt Ion: 98 Resp: 58440

Ion Ratio Lower Upper

98 100

100 63.0 51.6 77.4

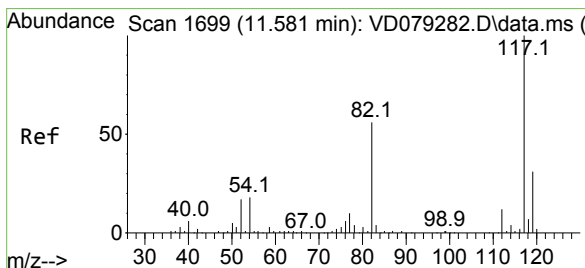
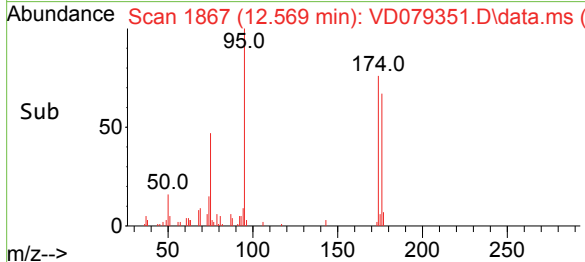
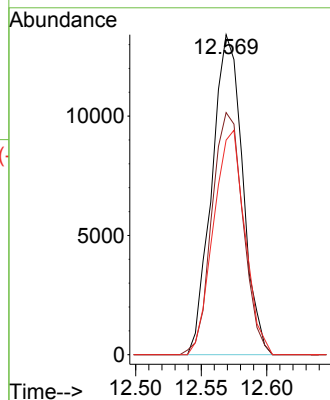
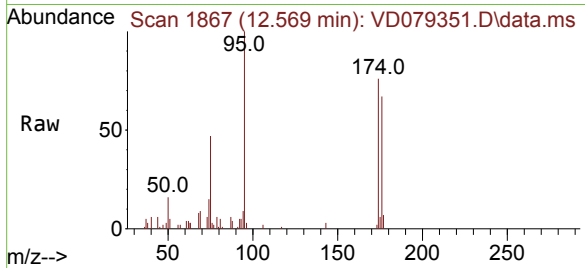




#62
4-Bromofluorobenzene
Concen: 53.043 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079351.D
Acq: 08 Jul 2024 19:56

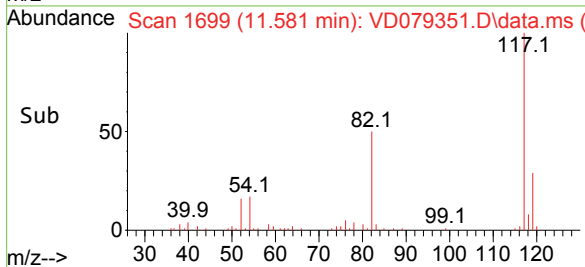
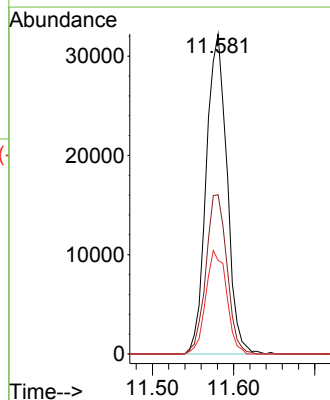
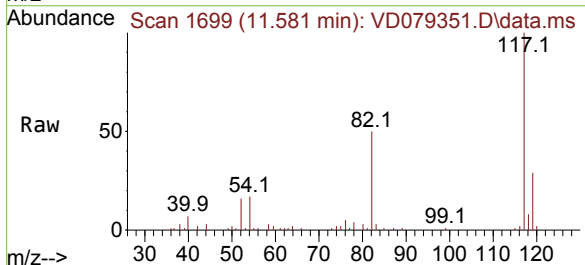
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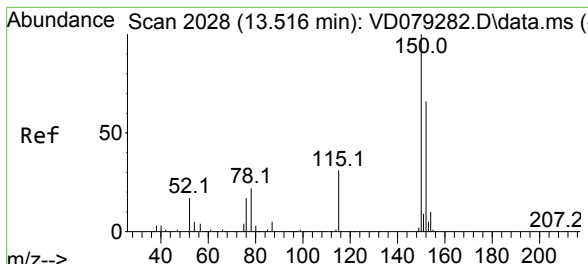
Tgt Ion:	95	Resp:	21904
Ion	Ratio	Lower	Upper
95	100		
174	76.6	0.0	195.4
176	71.6	0.0	192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079351.D
Acq: 08 Jul 2024 19:56

Tgt Ion:	117	Resp:	57014
Ion	Ratio	Lower	Upper
117	100		
82	49.8	39.8	59.6
119	29.2	25.7	38.5

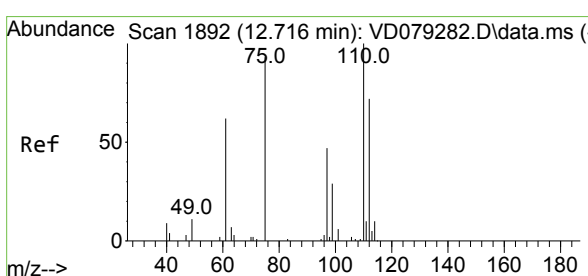
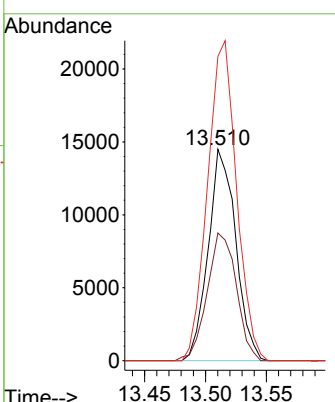
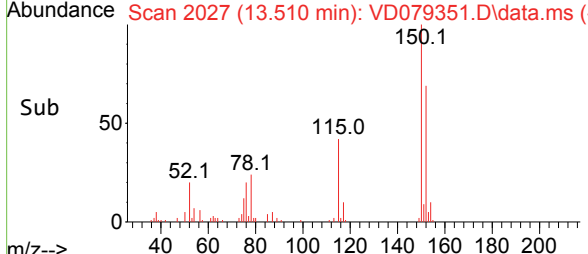
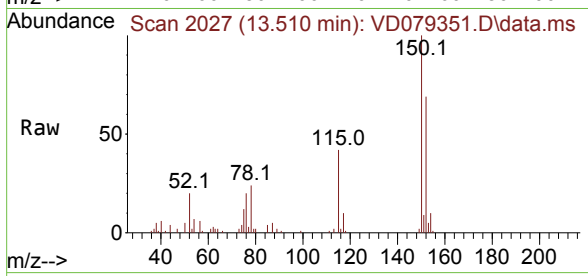




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.510 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VD079351.D
 Acq: 08 Jul 2024 19:56

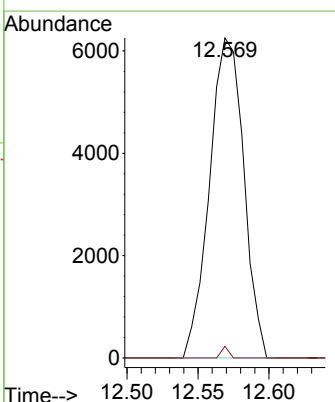
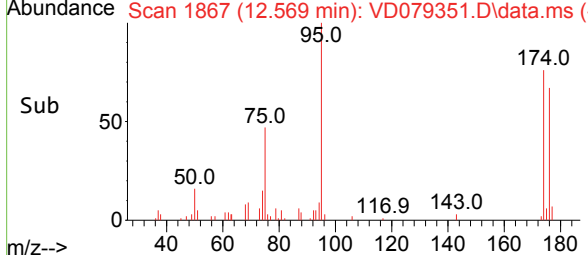
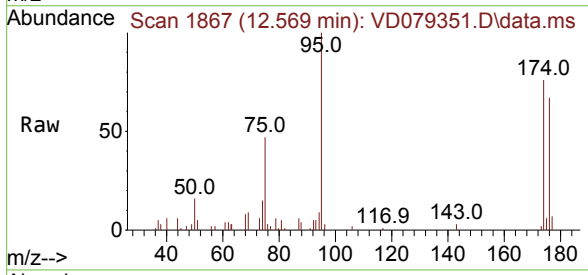
Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-070324

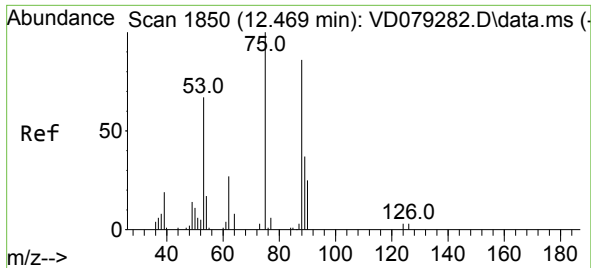
Tgt Ion:	152	Resp:	22822
Ion Ratio	Lower	Upper	
152	100		
115	64.0	26.5	79.5
150	159.1	0.0	341.6



#76
 1,2,3-Trichloropropane
 Concen: 47.807 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. -0.153 min
 Lab File: VD079351.D
 Acq: 08 Jul 2024 19:56

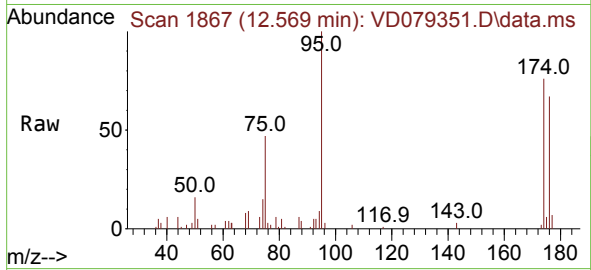
Tgt Ion:	75	Resp:	10483
Ion Ratio	Lower	Upper	
75	100		
77	0.8	0.0	0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 90.138 ug/l
RT: 12.569 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD079351.D
Acq: 08 Jul 2024 19:56

Instrument :
MSVOA_D
ClientSampleId :
SU-04-070324



Tgt Ion:	75	Resp:	10483
Ion	Ratio	Lower	Upper
75	100		
53	0.0	61.4	92.2#
89	0.0	35.4	53.0#

