

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011524\
 Data File : VD078164.D
 Acq On : 15 Jan 2024 16:14
 Operator : RP/MD
 Sample : P1140-03
 Misc : 5.05G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 16 00:37:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010824S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 09 01:29:14 2024
 Response via : Initial Calibration

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

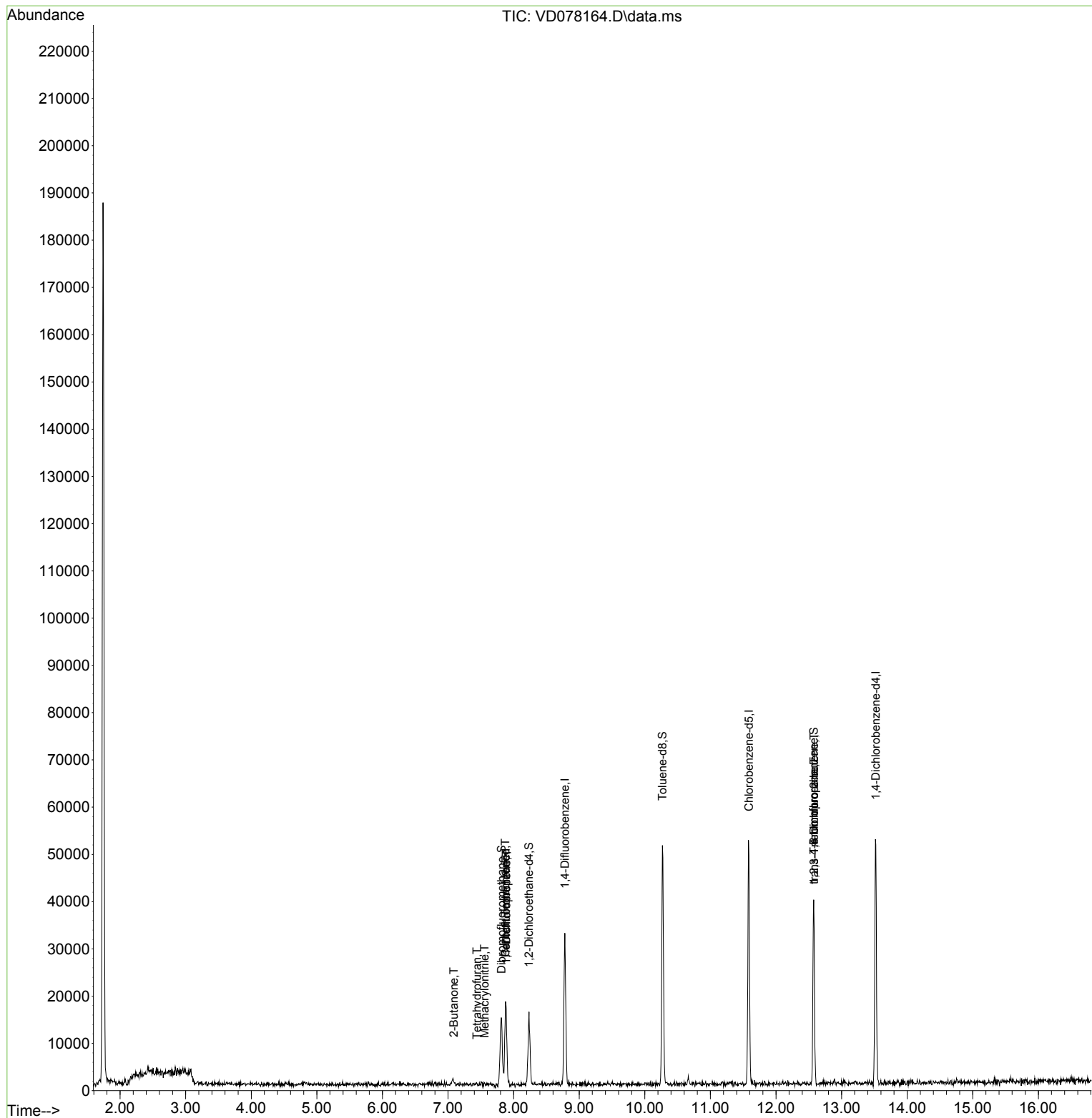
Internal Standards						
1) Pentafluorobenzene	7.881	168	13947	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	26851	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	31340	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	14003	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	11270	76.755	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 153.500%			
35) Dibromofluoromethane	7.816	113	10639	54.978	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.960%			
50) Toluene-d8	10.269	98	34908	53.788	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.580%			
62) 4-Bromofluorobenzene	12.575	95	12627	55.892	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 111.780%			
Target Compounds						
16) Acetone	4.011	43	230	Below Cal	#	32
20) Methylene Chloride	4.817	84	522	Below Cal	#	35
25) 2-Butanone	7.087	43	62	1.367	ug/l #	37
29) Tetrahydrofuran	7.440	42	57	2.395	ug/l #	23
36) 1,1-Dichloropropene	7.887	75	653	2.499	ug/l #	39
38) Carbon Tetrachloride	7.875	117	1523	5.061	ug/l #	11
41) Methacrylonitrile	7.558	41	144	2.385	ug/l #	17
76) 1,2,3-Trichloropropane	12.581	75	6314	45.798	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.581	75	6314	102.064	ug/l #	17

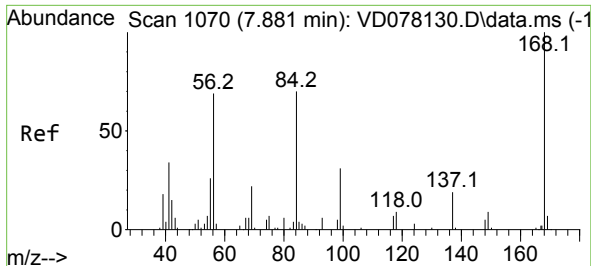
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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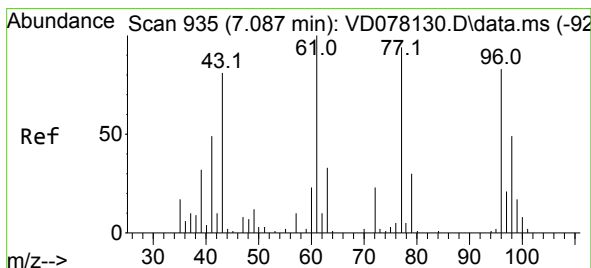
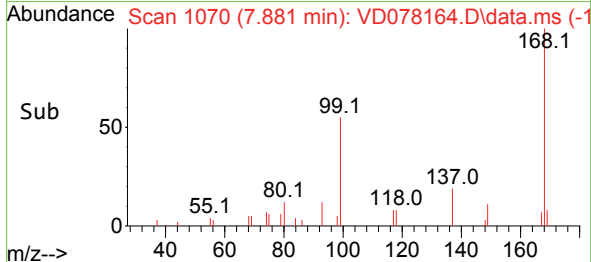
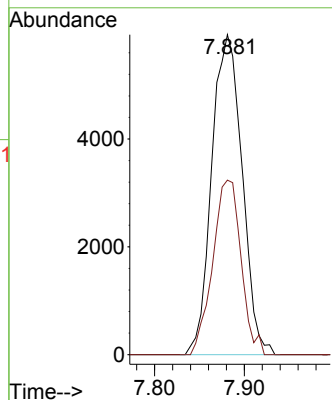
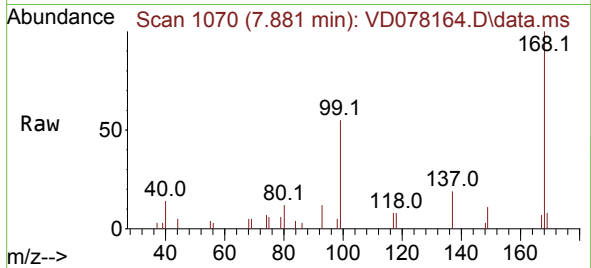




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VD078164.D
Acq: 15 Jan 2024 16:14

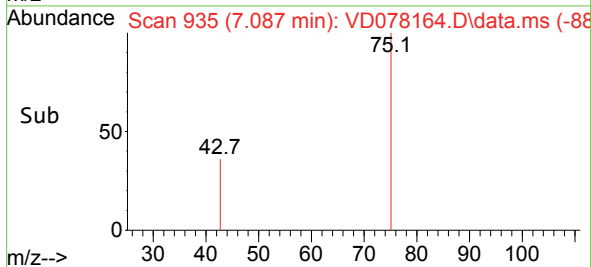
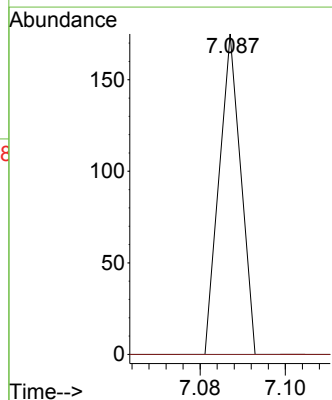
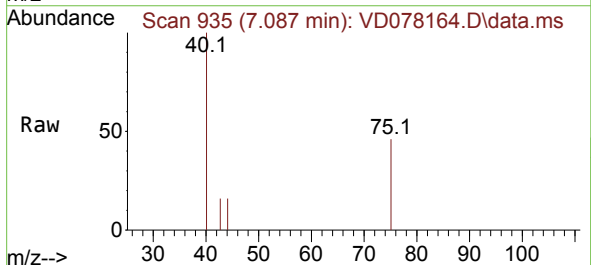
Instrument :
MSVOA_D
ClientSampleId :

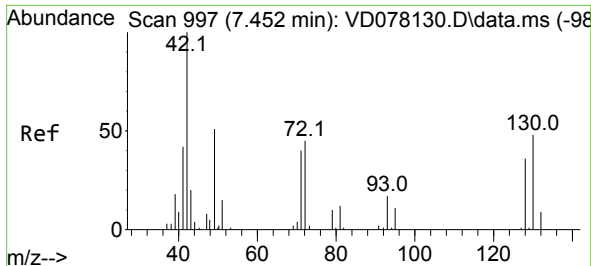
Tgt Ion:168 Resp: 13947
Ion Ratio Lower Upper
168 100
99 54.6 36.7 55.1



#25
2-Butanone
Concen: 1.367 ug/l
RT: 7.087 min Scan# 935
Delta R.T. 0.000 min
Lab File: VD078164.D
Acq: 15 Jan 2024 16:14

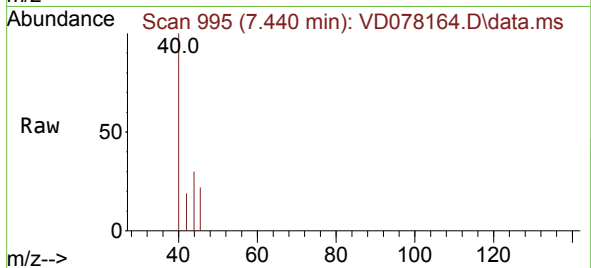
Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



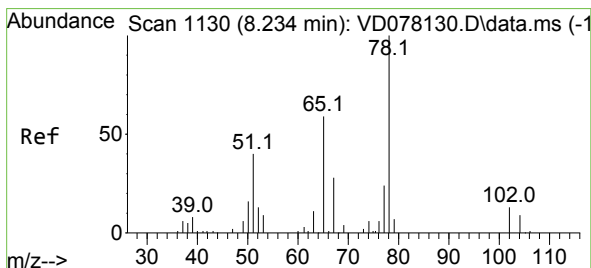
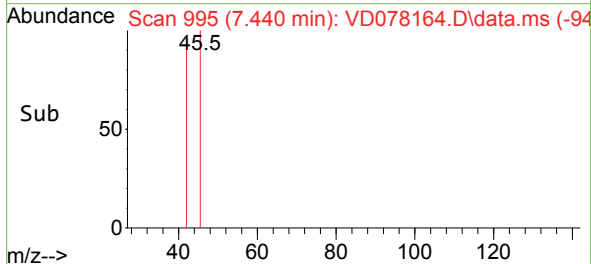
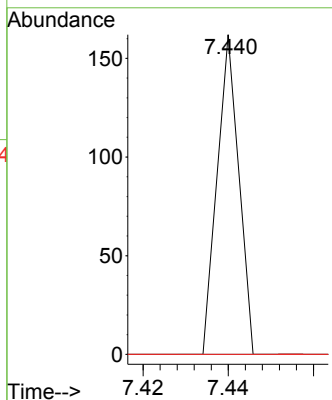


#29
Tetrahydrofuran
Concen: 2.395 ug/l
RT: 7.440 min Scan# 997
Delta R.T. -0.012 min
Lab File: VD078164.D
Acq: 15 Jan 2024 16:14

Instrument :
MSVOA_D
ClientSampleId :

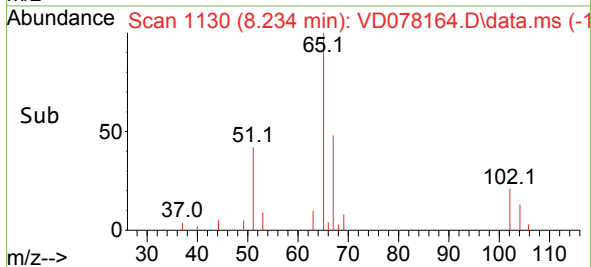
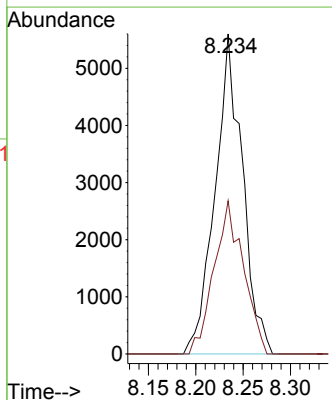
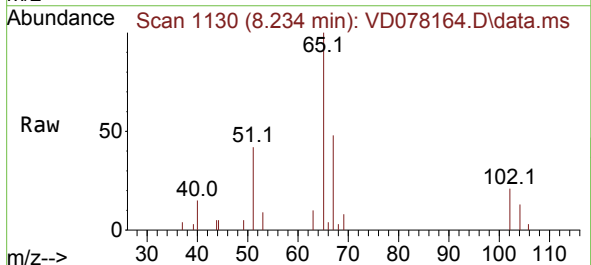


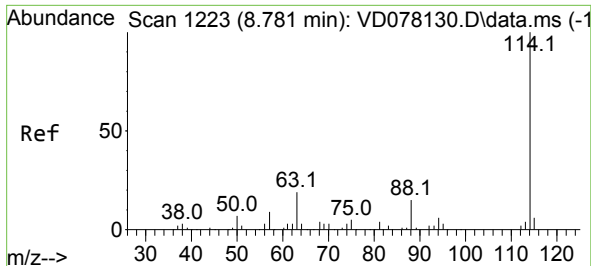
Tgt Ion: 42 Resp: 57
Ion Ratio Lower Upper
42 100
72 0.0 46.5 69.7#
71 0.0 44.5 66.7#



#33
1,2-Dichloroethane-d4
Concen: 76.755 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD078164.D
Acq: 15 Jan 2024 16:14

Tgt Ion: 65 Resp: 11270
Ion Ratio Lower Upper
65 100
67 51.4 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD078164.D

Acq: 15 Jan 2024 16:14

Instrument :

MSVOA_D

ClientSampleId :

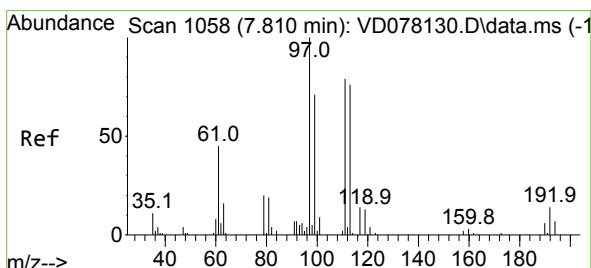
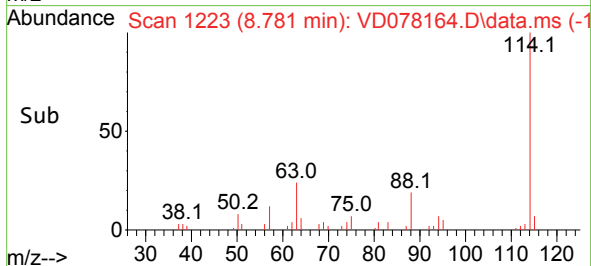
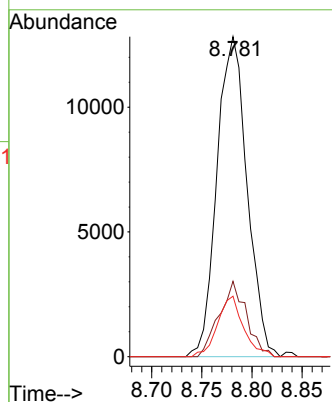
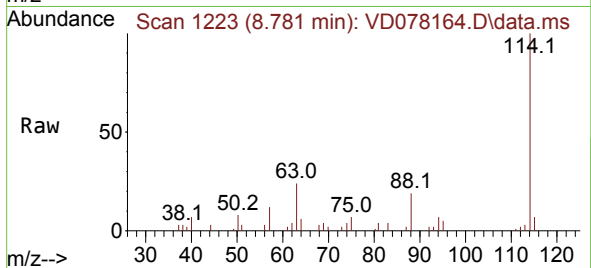
Tgt Ion:114 Resp: 26851

Ion Ratio Lower Upper

114 100

63 23.5 0.0 33.4

88 18.9 0.0 26.2



#35

Dibromofluoromethane

Concen: 54.978 ug/l

RT: 7.816 min Scan# 1059

Delta R.T. 0.006 min

Lab File: VD078164.D

Acq: 15 Jan 2024 16:14

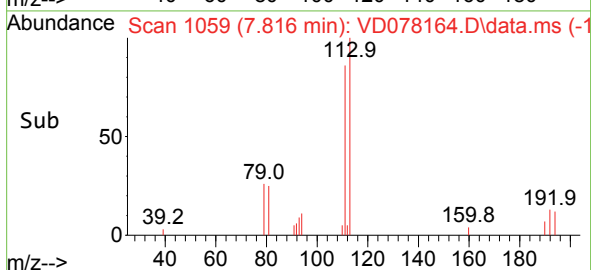
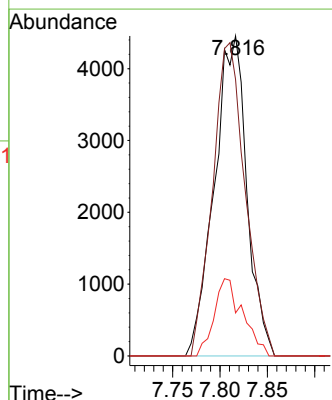
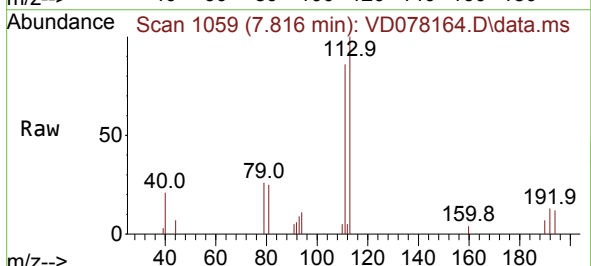
Tgt Ion:113 Resp: 10639

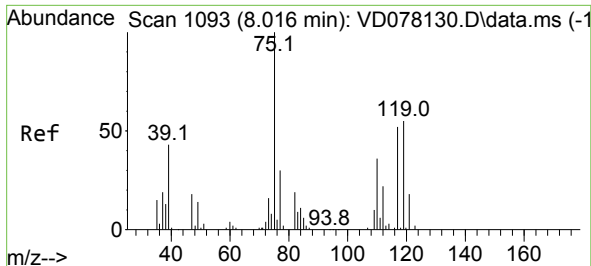
Ion Ratio Lower Upper

113 100

111 98.5 84.7 127.1

192 21.2 16.8 25.2





#36

1,1-Dichloropropene

Concen: 2.499 ug/l

RT: 7.887 min Scan# 1071

Delta R.T. -0.129 min

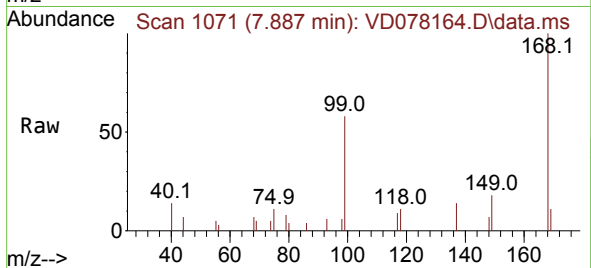
Lab File: VD078164.D

Acq: 15 Jan 2024 16:14

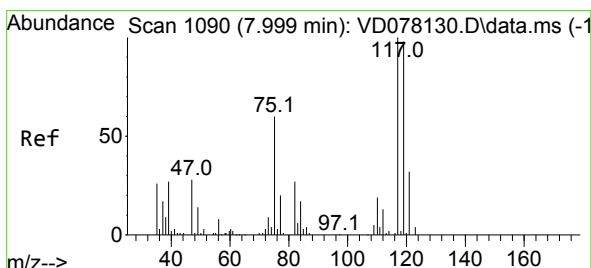
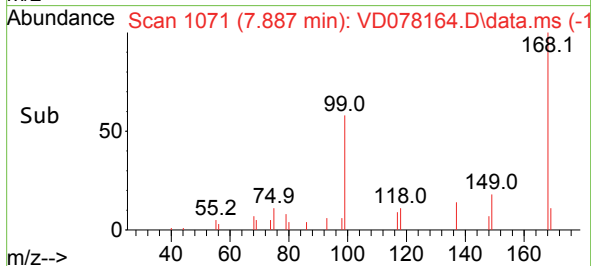
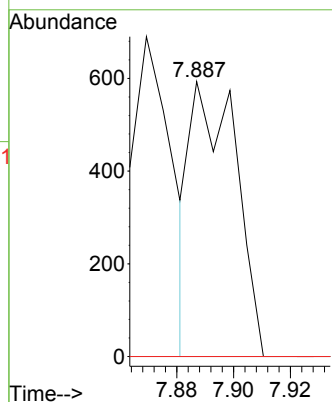
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 653
Ion Ratio	Lower Upper
75	100
110	0.0 19.9 59.6#
77	0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.061 ug/l

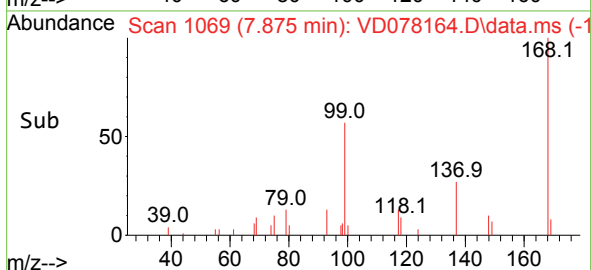
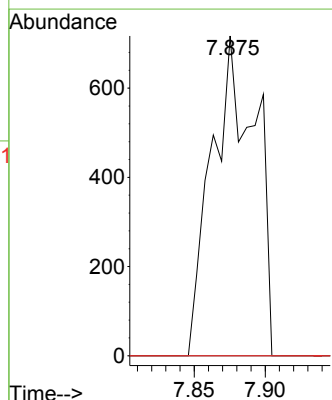
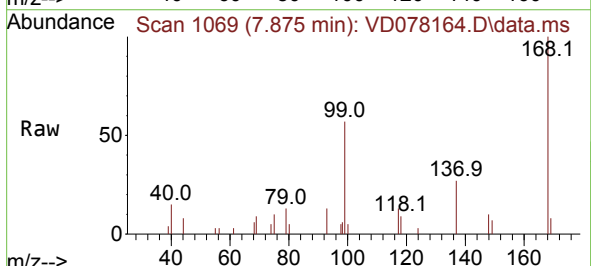
RT: 7.875 min Scan# 1069

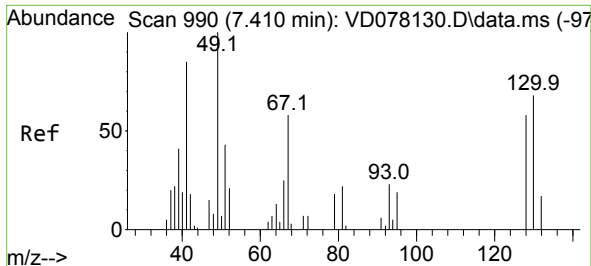
Delta R.T. -0.123 min

Lab File: VD078164.D

Acq: 15 Jan 2024 16:14

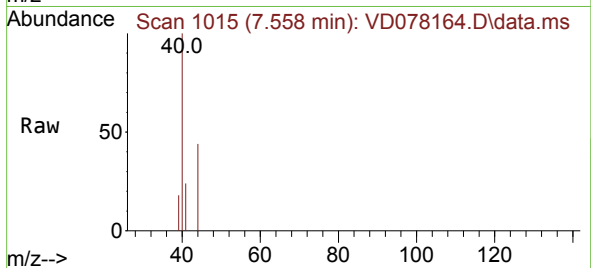
Tgt Ion: 117	Resp: 1523
Ion Ratio	Lower Upper
117	100
119	0.0 78.0 117.0#
121	0.0 24.2 36.2#



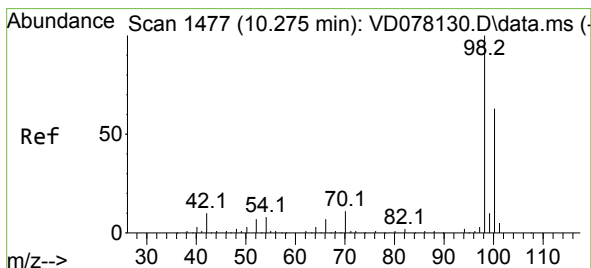
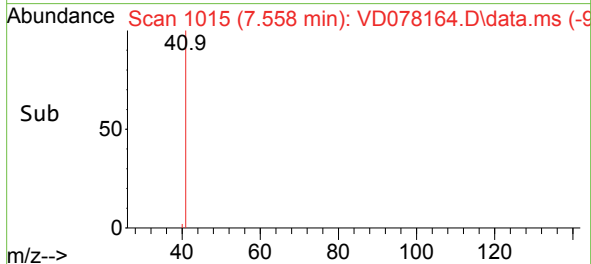
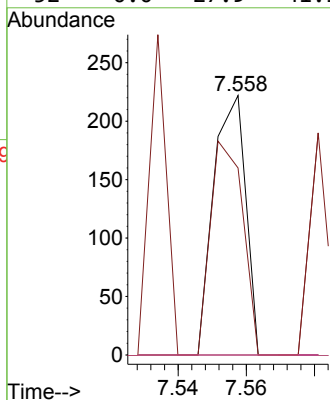


#41
Methacrylonitrile
Concen: 2.385 ug/l
RT: 7.558 min Scan# 1015
Delta R.T. 0.147 min
Lab File: VD078164.D
Acq: 15 Jan 2024 16:14

Instrument :
MSVOA_D
ClientSampleId :

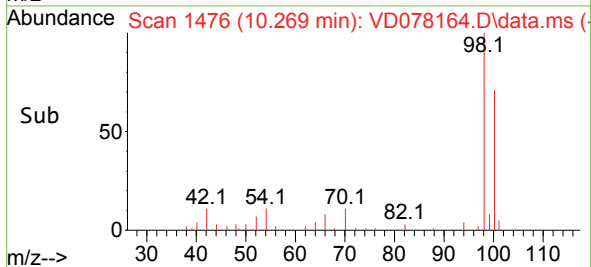
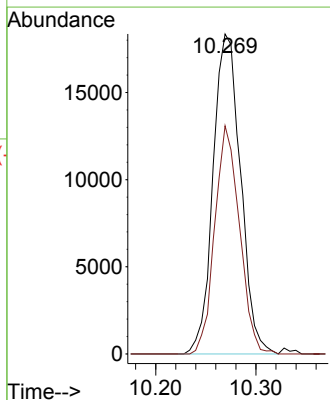
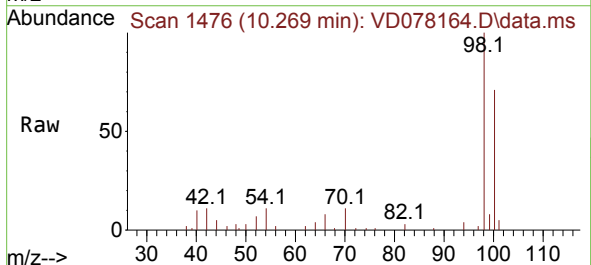


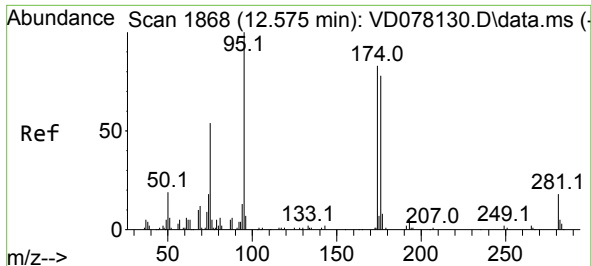
Tgt Ion: 41 Resp: 144
Ion Ratio Lower Upper
41 100
39 84.0 34.0 51.0#
67 0.0 77.0 115.4#
52 0.0 27.9 41.9#



#50
Toluene-d8
Concen: 53.788 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.006 min
Lab File: VD078164.D
Acq: 15 Jan 2024 16:14

Tgt Ion: 98 Resp: 34908
Ion Ratio Lower Upper
98 100
100 64.3 50.3 75.5

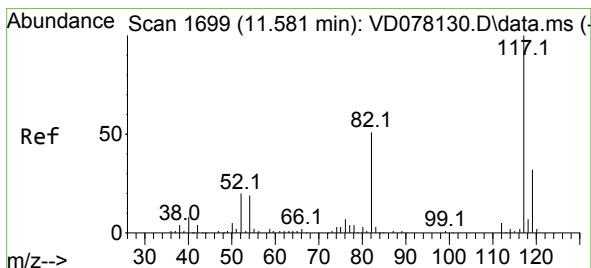
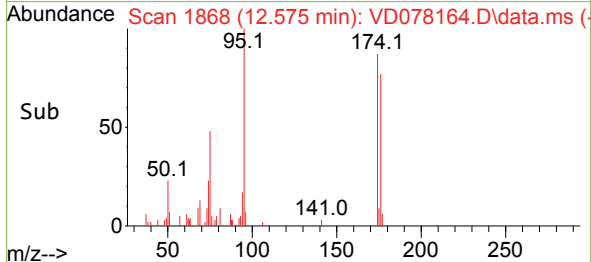
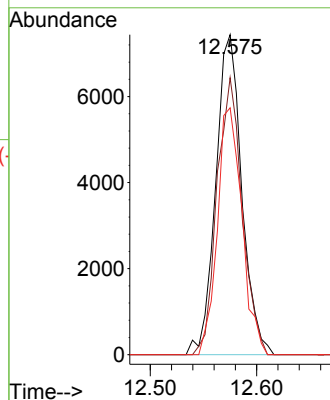
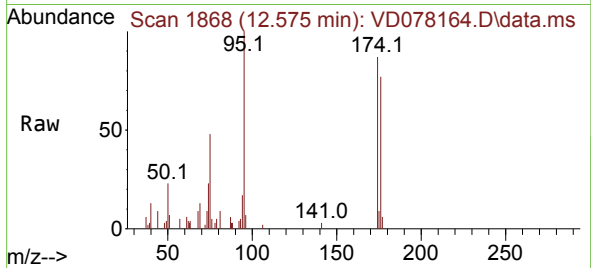




#62
4-Bromofluorobenzene
Concen: 55.892 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078164.D
Acq: 15 Jan 2024 16:14

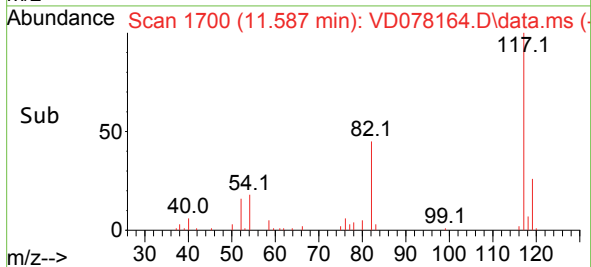
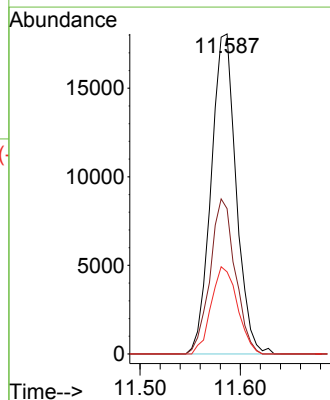
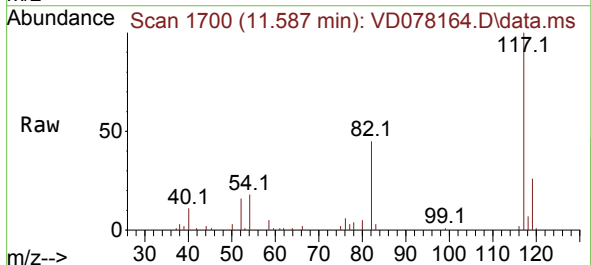
Instrument :
MSVOA_D
ClientSampleId :

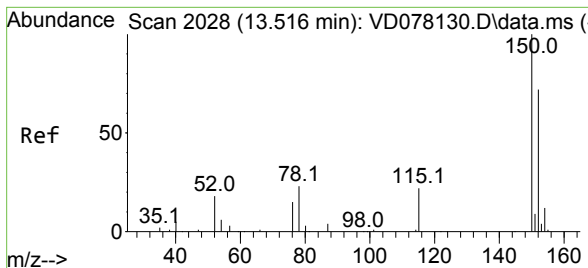
Tgt Ion: 95 Resp: 12627
Ion Ratio Lower Upper
95 100
174 83.4 0.0 201.8
176 72.9 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VD078164.D
Acq: 15 Jan 2024 16:14

Tgt Ion: 117 Resp: 31340
Ion Ratio Lower Upper
117 100
82 45.4 38.3 57.5
119 25.7 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2028

Delta R.T. 0.006 min

Lab File: VD078164.D

Acq: 15 Jan 2024 16:14

Instrument :

MSVOA_D

ClientSampleId :

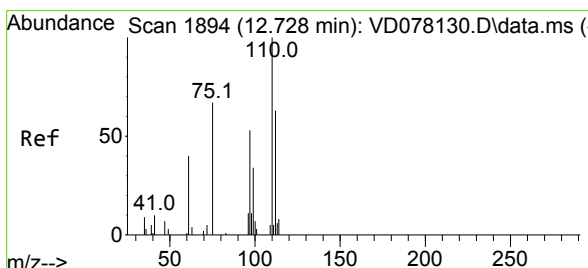
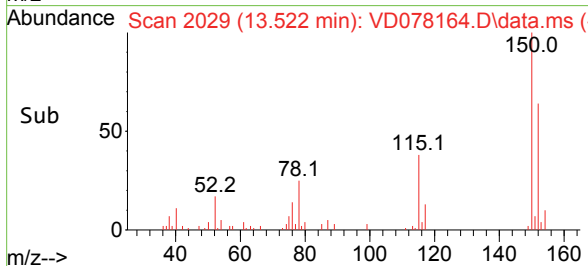
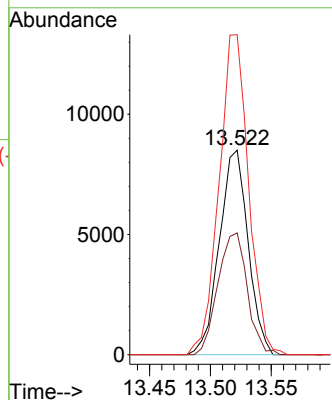
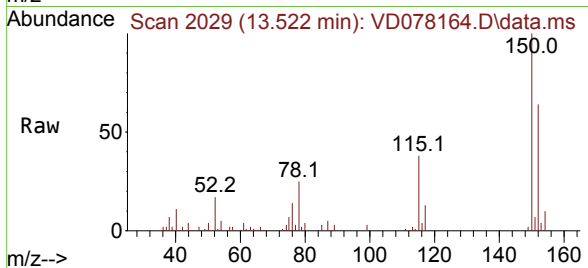
Tgt Ion:152 Resp: 14003

Ion Ratio Lower Upper

152 100

115 60.6 27.1 81.3

150 160.3 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 45.798 ug/l

RT: 12.581 min Scan# 1869

Delta R.T. -0.147 min

Lab File: VD078164.D

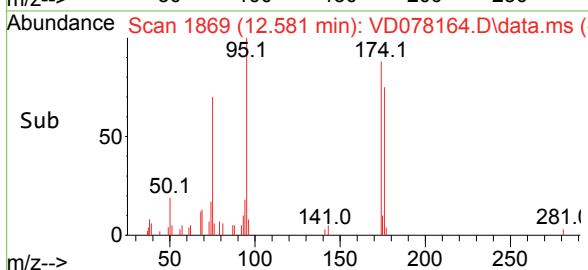
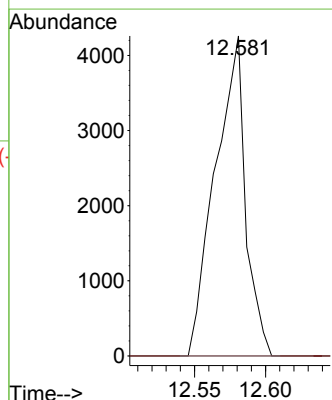
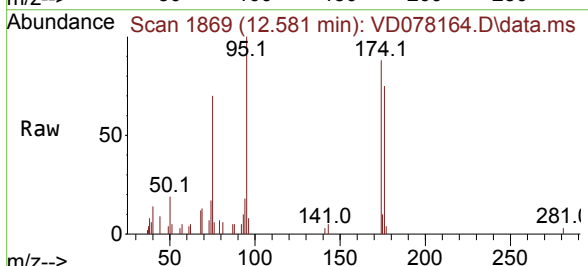
Acq: 15 Jan 2024 16:14

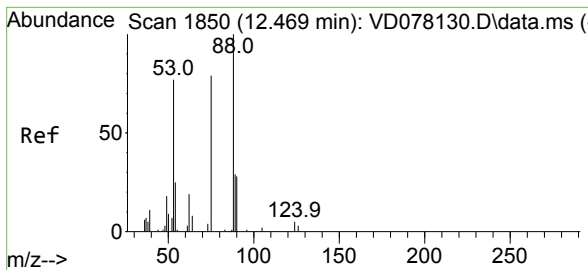
Tgt Ion: 75 Resp: 6314

Ion Ratio Lower Upper

75 100

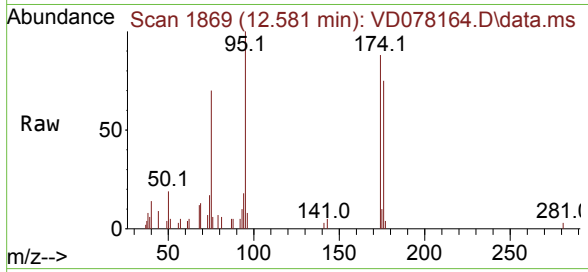
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 102.064 ug/l
 RT: 12.581 min Scan# 1869
 Delta R.T. 0.112 min
 Lab File: VD078164.D
 Acq: 15 Jan 2024 16:14

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	6314
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.0	37.9	56.9#

