

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070324\
 Data File : VD079334.D
 Acq On : 03 Jul 2024 14:53
 Operator : RP/MD
 Sample : P3141-05
 Misc : 7.12G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 04 06:23:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062824S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 29 06:28:31 2024
 Response via : Initial Calibration

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

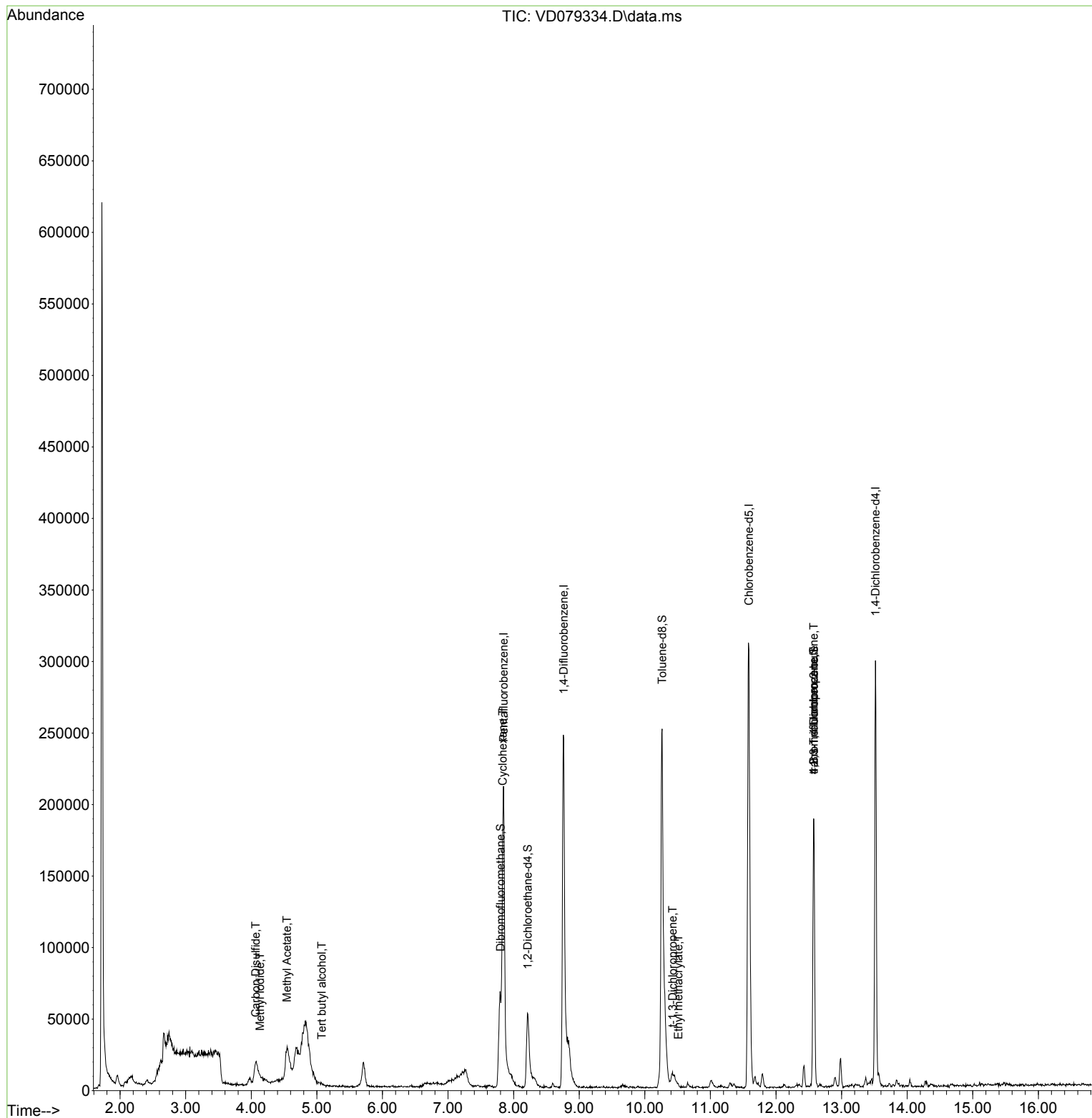
Internal Standards						
1) Pentafluorobenzene	7.846	168	154959	50.000	ug/l	-0.03
34) 1,4-Difluorobenzene	8.763	114	267383	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.587	117	247782	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	79923	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.216	65	58233	37.396	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	74.800%
35) Dibromofluoromethane	7.799	113	72294	41.191	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	82.380%
50) Toluene-d8	10.263	98	250516	39.677	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	79.360%
62) 4-Bromofluorobenzene	12.575	95	67622	33.399	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	66.800%
Target Compounds						
					Qvalue	
5) Bromomethane	2.622	94	2226	Below Cal		96
10) Methyl Iodide	4.134	142	306	6.269	ug/l #	1
11) Tert butyl alcohol	5.075	59	220	2.122	ug/l #	86
17) Carbon Disulfide	4.069	76	43054	6.016	ug/l	95
18) Methyl Acetate	4.546	43	72749	68.087	ug/l #	84
31) Cyclohexane	7.834	56	4086	1.240	ug/l #	61
53) t-1,3-Dichloropropene	10.422	75	11398	4.390	ug/l #	43
56) Ethyl methacrylate	10.510	69	133	3.781	ug/l #	26
76) 1,2,3-Trichloropropane	12.575	75	35150	43.947	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	35150	81.548	ug/l #	19

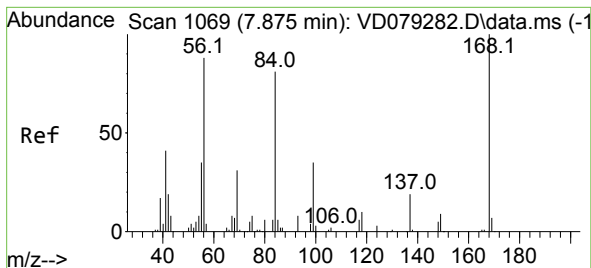
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062824S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 29 06:28:31 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.846 min Scan# 1064

Delta R.T. -0.029 min

Lab File: VD079334.D

Acq: 03 Jul 2024 14:53

Instrument :

MSVOA_D

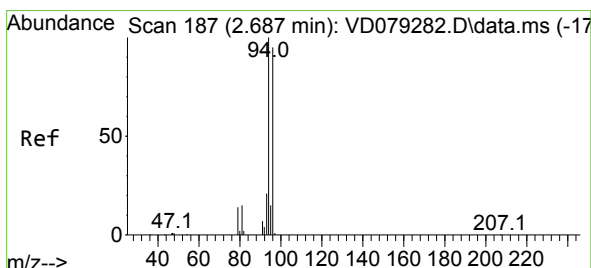
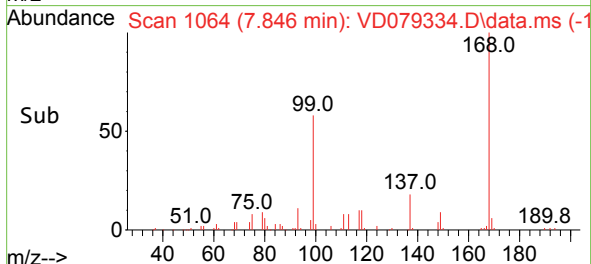
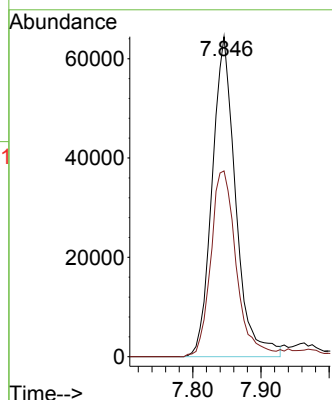
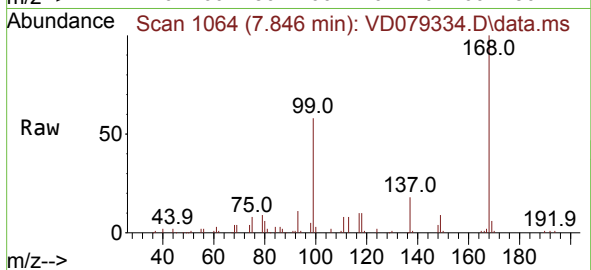
ClientSampleId :

Tgt Ion:168 Resp: 154959

Ion Ratio Lower Upper

168 100

99 58.1 41.1 61.7



#5

Bromomethane

Concen: Below Cal

RT: 2.622 min Scan# 176

Delta R.T. -0.036 min

Lab File: VD079334.D

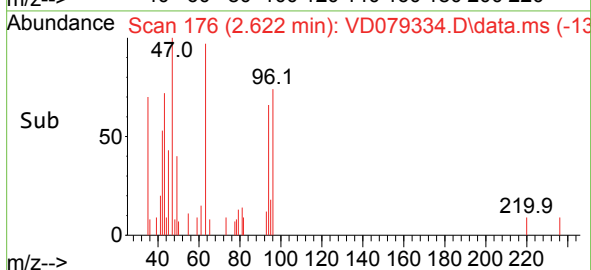
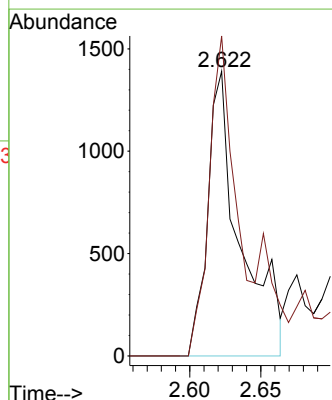
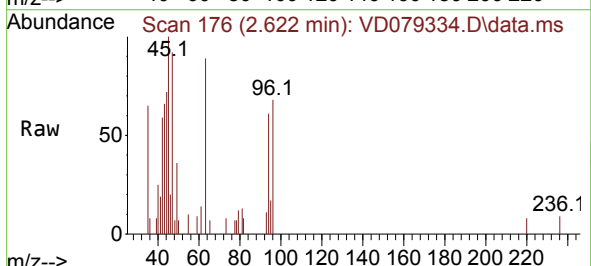
Acq: 03 Jul 2024 14:53

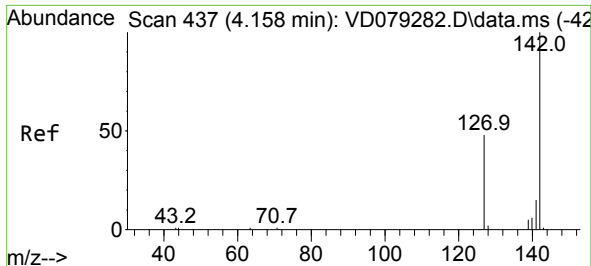
Tgt Ion: 94 Resp: 2226

Ion Ratio Lower Upper

94 100

96 92.3 76.9 115.3

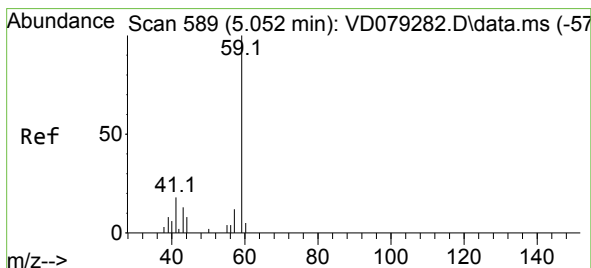
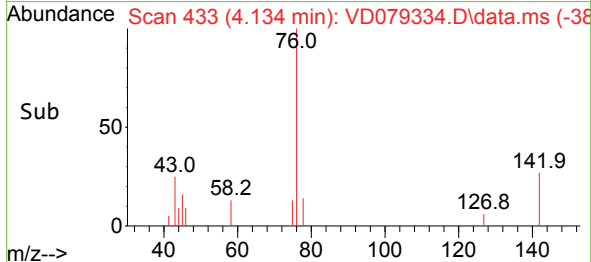
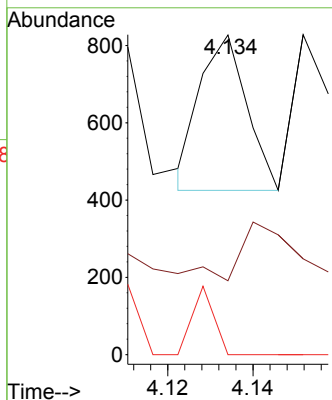
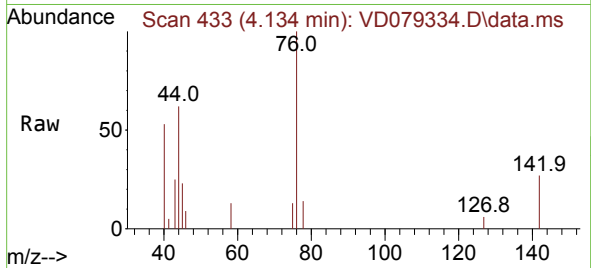




#10
Methyl Iodide
Concen: 6.269 ug/l
RT: 4.134 min Scan# 41
Delta R.T. -0.024 min
Lab File: VD079334.D
Acq: 03 Jul 2024 14:53

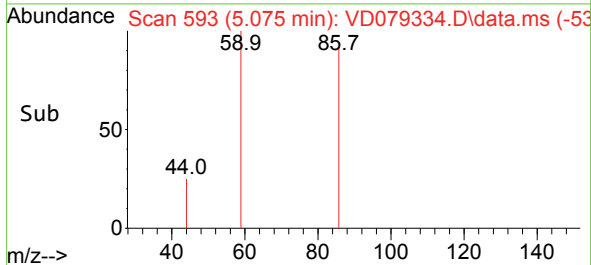
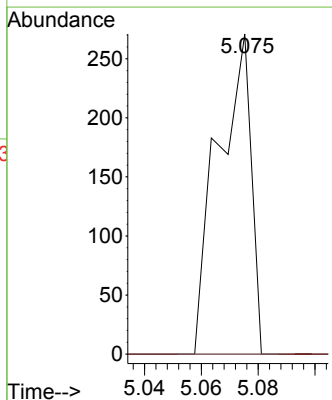
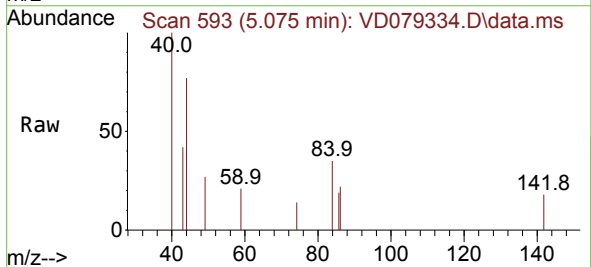
Instrument :
MSVOA_D
ClientSampleId :

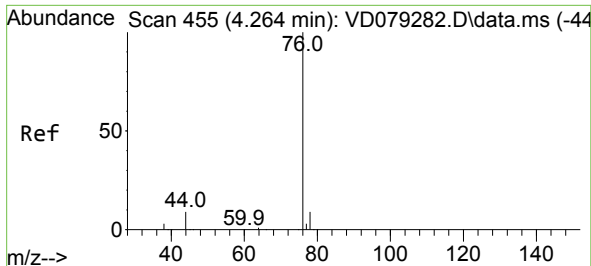
Tgt Ion:142 Resp: 306
Ion Ratio Lower Upper
142 100
127 128.8 34.2 51.4#
141 20.3 11.7 17.5#



#11
Tert butyl alcohol
Concen: 2.122 ug/l
RT: 5.075 min Scan# 593
Delta R.T. 0.018 min
Lab File: VD079334.D
Acq: 03 Jul 2024 14:53

Tgt Ion: 59 Resp: 220
Ion Ratio Lower Upper
59 100
57 0.0 3.6 5.4#





#17

Carbon Disulfide

Concen: 6.016 ug/l

RT: 4.069 min Scan# 41

Delta R.T. -0.194 min

Lab File: VD079334.D

Acq: 03 Jul 2024 14:53

Instrument :

MSVOA_D

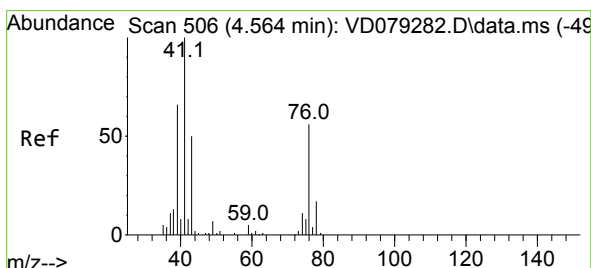
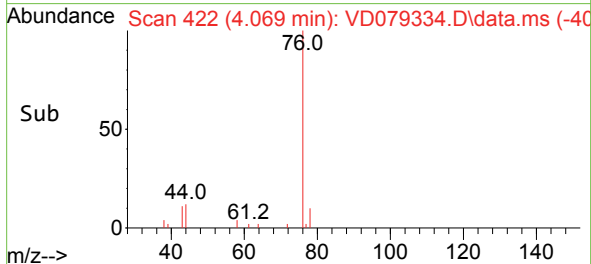
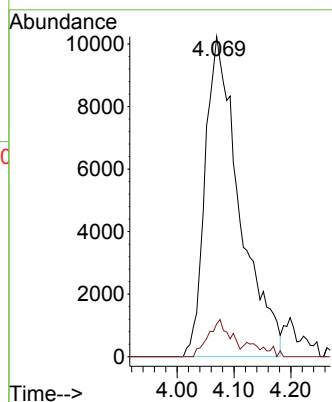
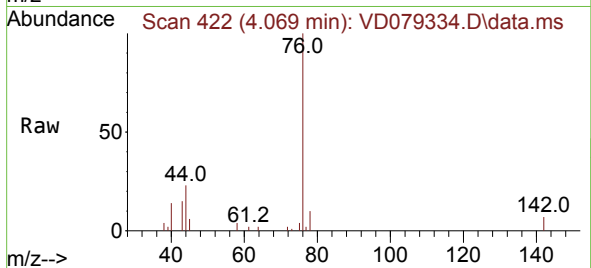
ClientSampleId :

Tgt Ion: 76 Resp: 43054

Ion Ratio Lower Upper

76 100

78 10.2 6.9 10.3



#18

Methyl Acetate

Concen: 68.087 ug/l

RT: 4.546 min Scan# 503

Delta R.T. -0.012 min

Lab File: VD079334.D

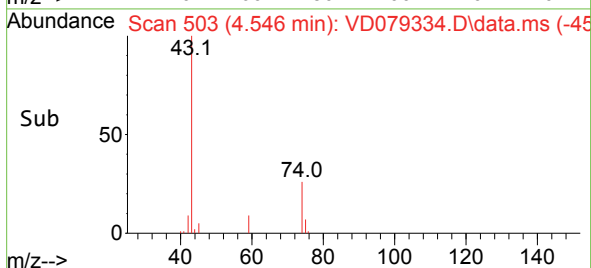
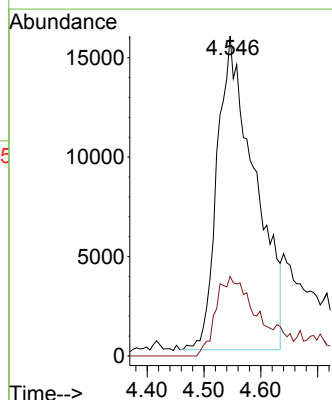
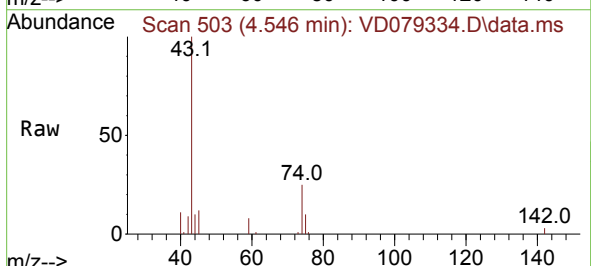
Acq: 03 Jul 2024 14:53

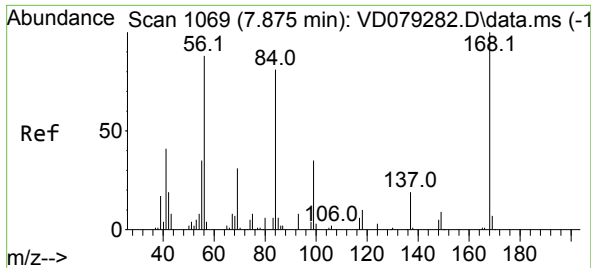
Tgt Ion: 43 Resp: 72749

Ion Ratio Lower Upper

43 100

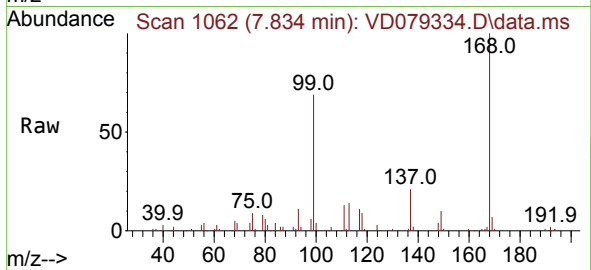
74 25.8 28.1 42.1#



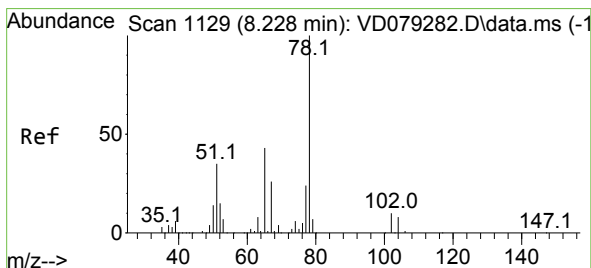
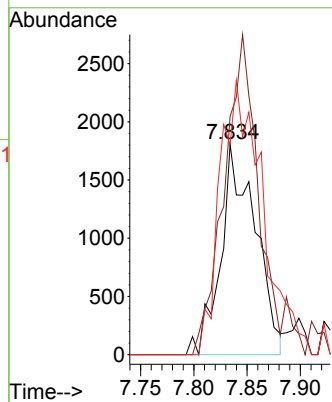
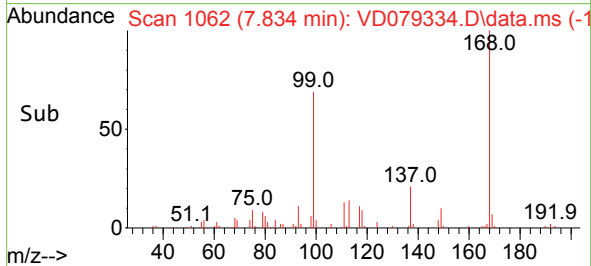


#31
Cyclohexane
Concen: 1.240 ug/l
RT: 7.834 min Scan# 1062
Delta R.T. -0.041 min
Lab File: VD079334.D
Acq: 03 Jul 2024 14:53

Instrument :
MSVOA_D
ClientSampleId :

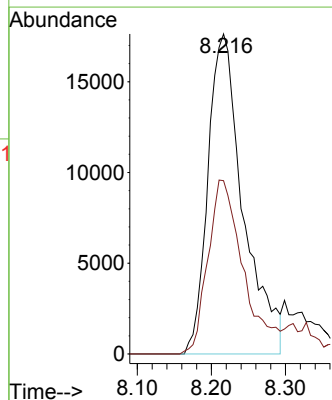
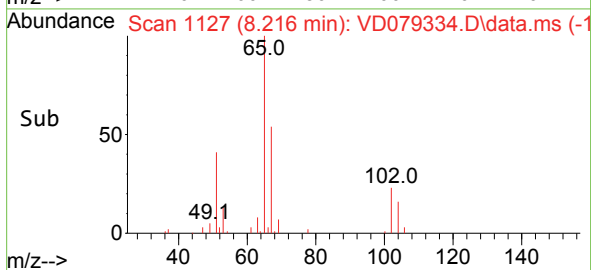
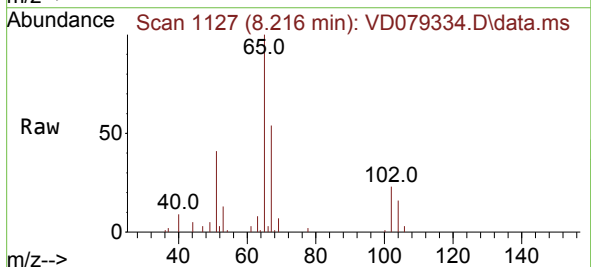


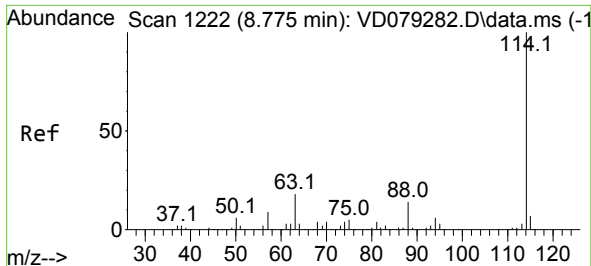
Tgt Ion: 56 Resp: 4086
Ion Ratio Lower Upper
56 100
69 113.2 28.0 42.0#
84 99.8 87.4 131.0



#33
1,2-Dichloroethane-d4
Concen: 37.396 ug/l
RT: 8.216 min Scan# 1127
Delta R.T. -0.012 min
Lab File: VD079334.D
Acq: 03 Jul 2024 14:53

Tgt Ion: 65 Resp: 58233
Ion Ratio Lower Upper
65 100
67 54.8 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.763 min Scan# 11

Delta R.T. -0.012 min

Lab File: VD079334.D

Acq: 03 Jul 2024 14:53

Instrument :

MSVOA_D

ClientSampleId :

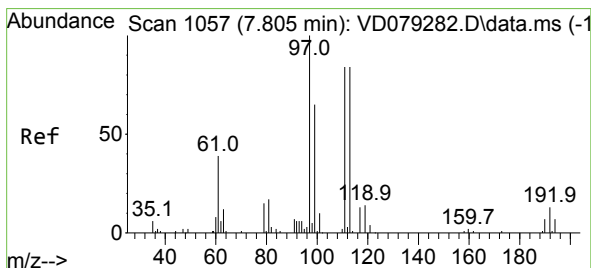
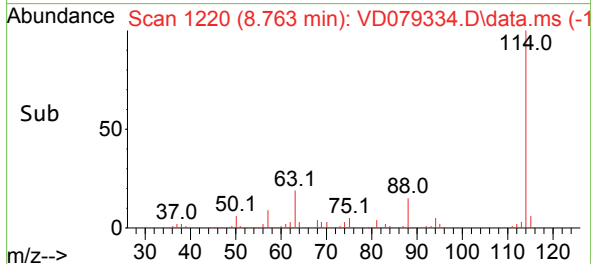
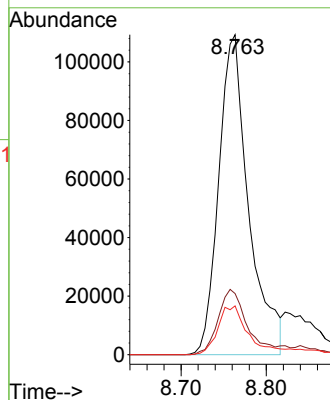
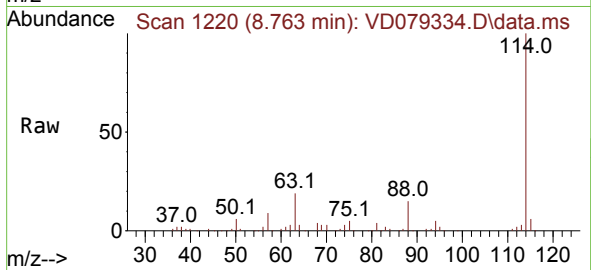
Tgt Ion:114 Resp: 267383

Ion Ratio Lower Upper

114 100

63 19.1 0.0 34.0

88 15.2 0.0 27.2



#35

Dibromofluoromethane

Concen: 41.191 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VD079334.D

Acq: 03 Jul 2024 14:53

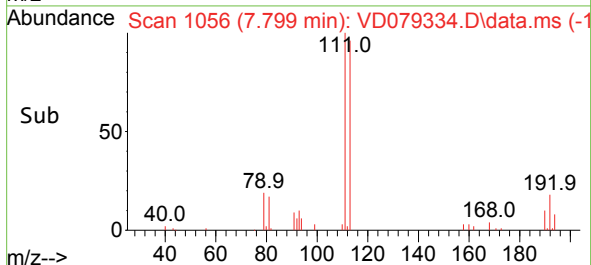
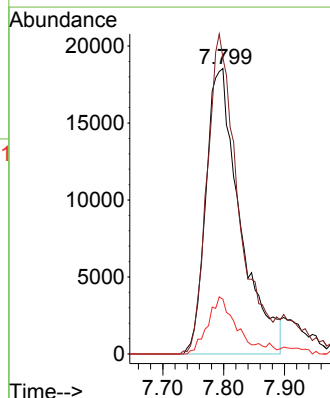
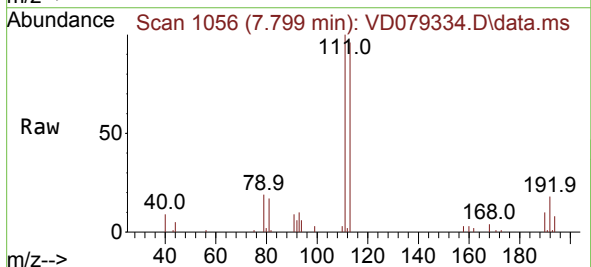
Tgt Ion:113 Resp: 72294

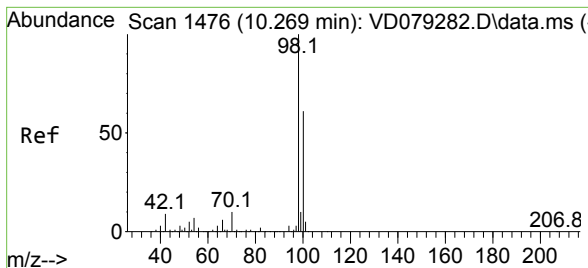
Ion Ratio Lower Upper

113 100

111 102.3 84.0 126.0

192 16.8 15.4 23.0

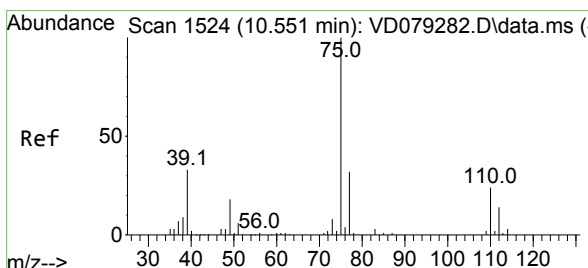
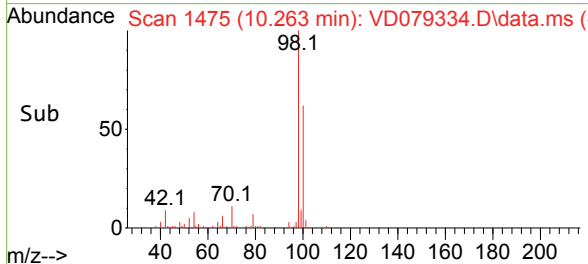
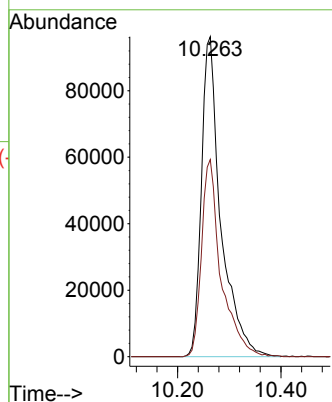
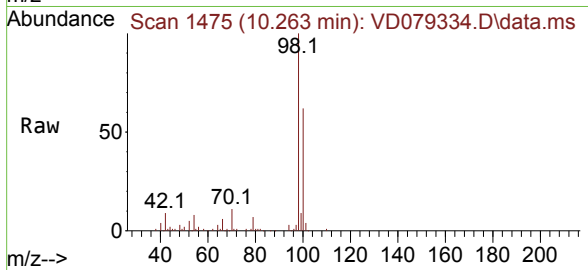




#50
Toluene-d8
Concen: 39.677 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VD079334.D
Acq: 03 Jul 2024 14:53

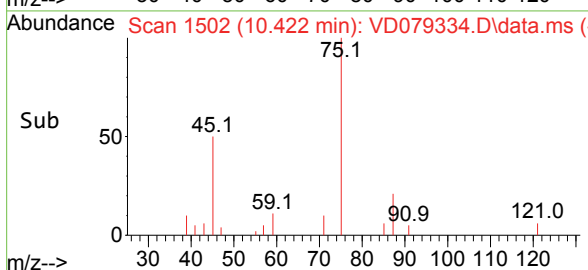
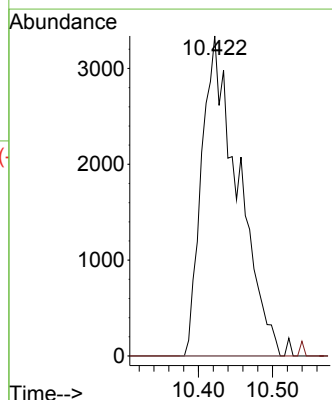
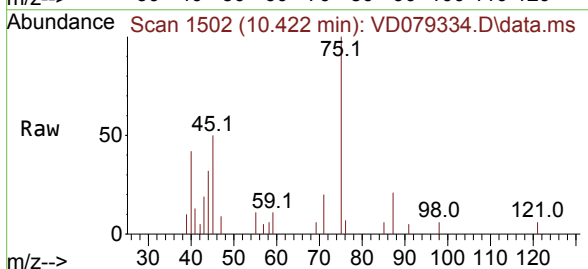
Instrument :
MSVOA_D
ClientSampleId :

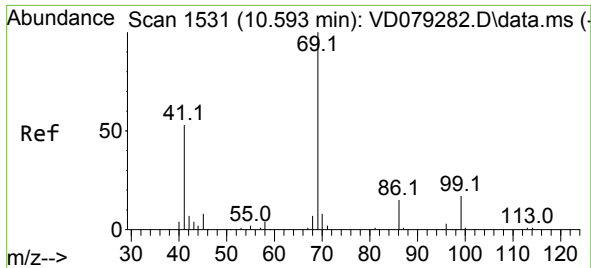
Tgt Ion: 98 Resp: 250516
Ion Ratio Lower Upper
98 100
100 62.0 51.6 77.4



#53
t-1,3-Dichloropropene
Concen: 4.390 ug/l
RT: 10.422 min Scan# 1502
Delta R.T. -0.129 min
Lab File: VD079334.D
Acq: 03 Jul 2024 14:53

Tgt Ion: 75 Resp: 11398
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.6#

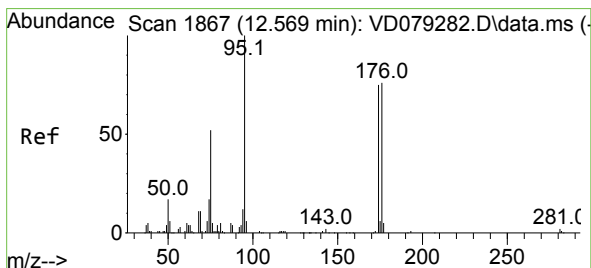
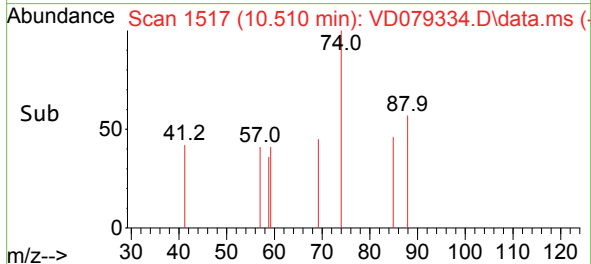
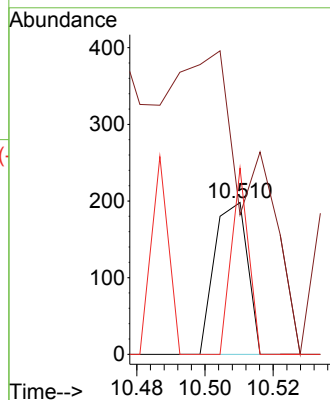
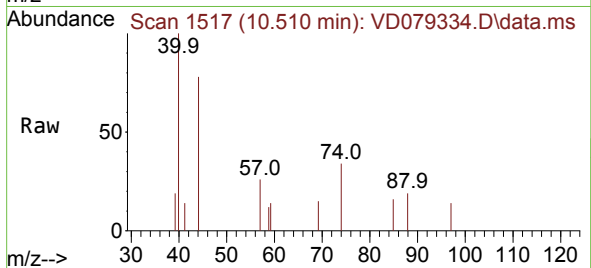




#56
Ethyl methacrylate
Concen: 3.781 ug/l
RT: 10.510 min Scan# 1517
Delta R.T. -0.083 min
Lab File: VD079334.D
Acq: 03 Jul 2024 14:53

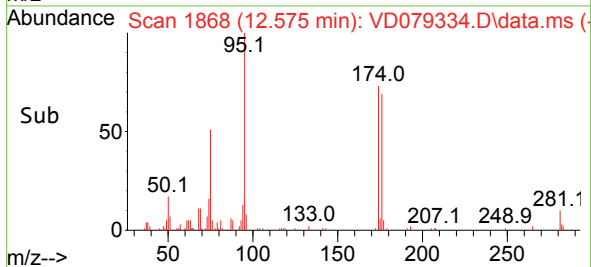
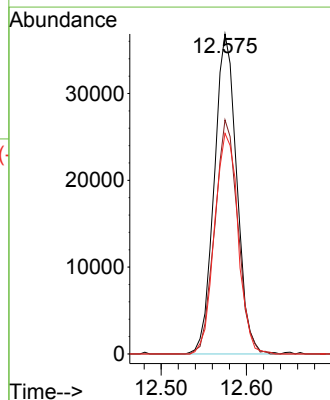
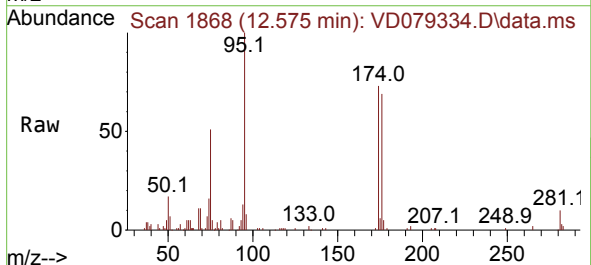
Instrument :
MSVOA_D
ClientSampleId :

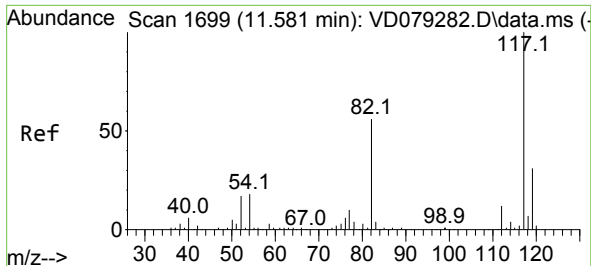
Tgt Ion: 69 Resp: 133
Ion Ratio Lower Upper
69 100
41 0.0 39.8 59.6#
39 64.7 20.2 30.4#



#62
4-Bromofluorobenzene
Concen: 33.399 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD079334.D
Acq: 03 Jul 2024 14:53

Tgt Ion: 95 Resp: 67622
Ion Ratio Lower Upper
95 100
174 74.8 0.0 195.4
176 72.2 0.0 192.6

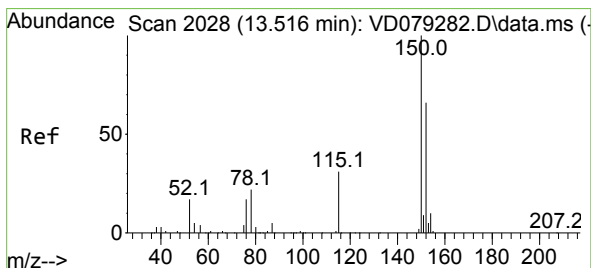
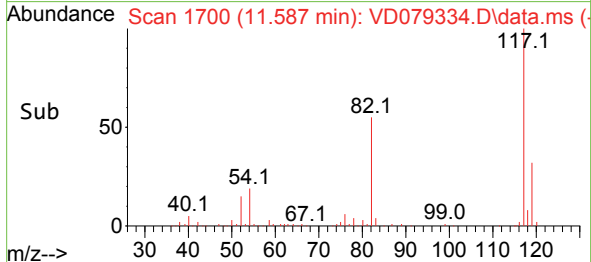
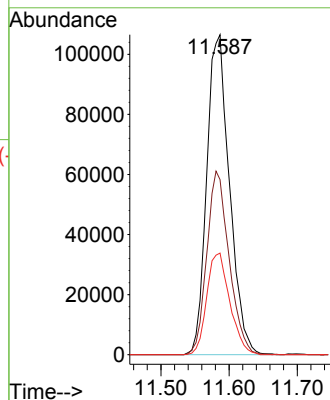
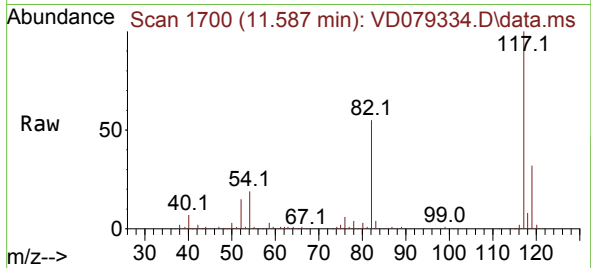




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD079334.D
Acq: 03 Jul 2024 14:53

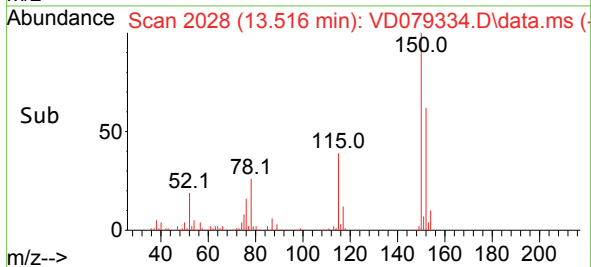
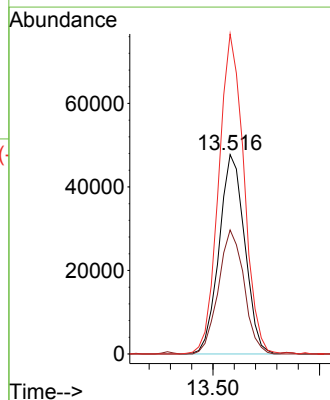
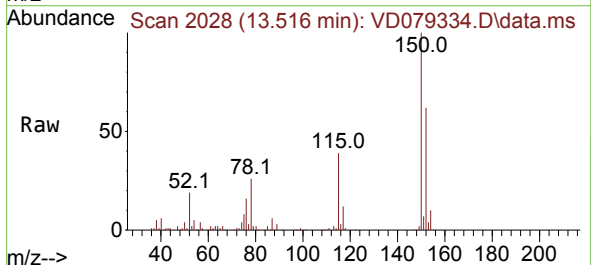
Instrument :
MSVOA_D
ClientSampleId :

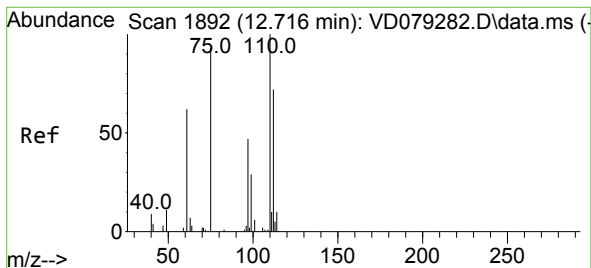
Tgt Ion:117 Resp: 247782
Ion Ratio Lower Upper
117 100
82 54.7 39.8 59.6
119 31.7 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD079334.D
Acq: 03 Jul 2024 14:53

Tgt Ion:152 Resp: 79923
Ion Ratio Lower Upper
152 100
115 61.8 26.5 79.5
150 157.9 0.0 341.6





#76

1,2,3-Trichloropropane

Concen: 43.947 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD079334.D

Acq: 03 Jul 2024 14:53

Instrument :

MSVOA_D

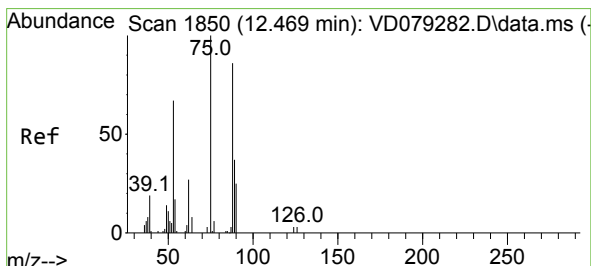
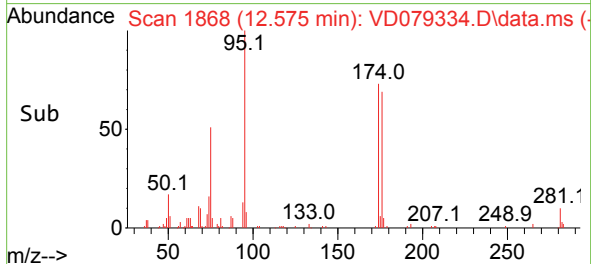
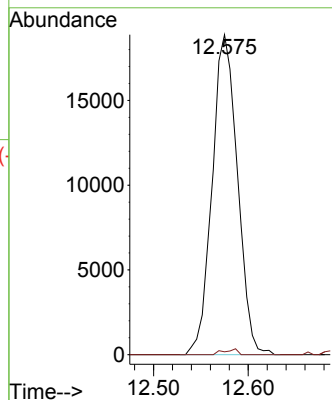
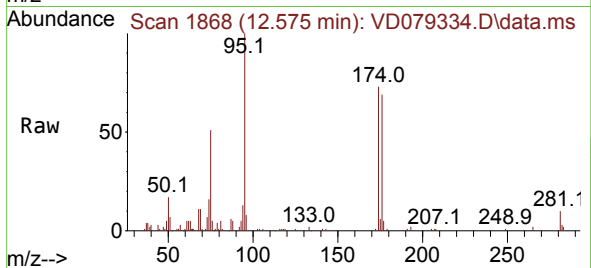
ClientSampleId :

Tgt Ion: 75 Resp: 35150

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 81.548 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.106 min

Lab File: VD079334.D

Acq: 03 Jul 2024 14:53

Tgt Ion: 75 Resp: 35150

Ion Ratio Lower Upper

75 100

53 0.0 61.4 92.2#

89 0.0 35.4 53.0#

