

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070824\
 Data File : VD079354.D
 Acq On : 08 Jul 2024 21:20
 Operator : RP/MD
 Sample : P3167-16
 Misc : 5.07G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 09 04:59:53 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	79810	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	158930	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	145210	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	43859	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	71768	76.307	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	152.620%
35) Dibromofluoromethane	7.805	113	80649	71.930	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	143.860%
50) Toluene-d8	10.269	98	257096	59.484	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	118.960%
62) 4-Bromofluorobenzene	12.569	95	63258	47.090	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.180%

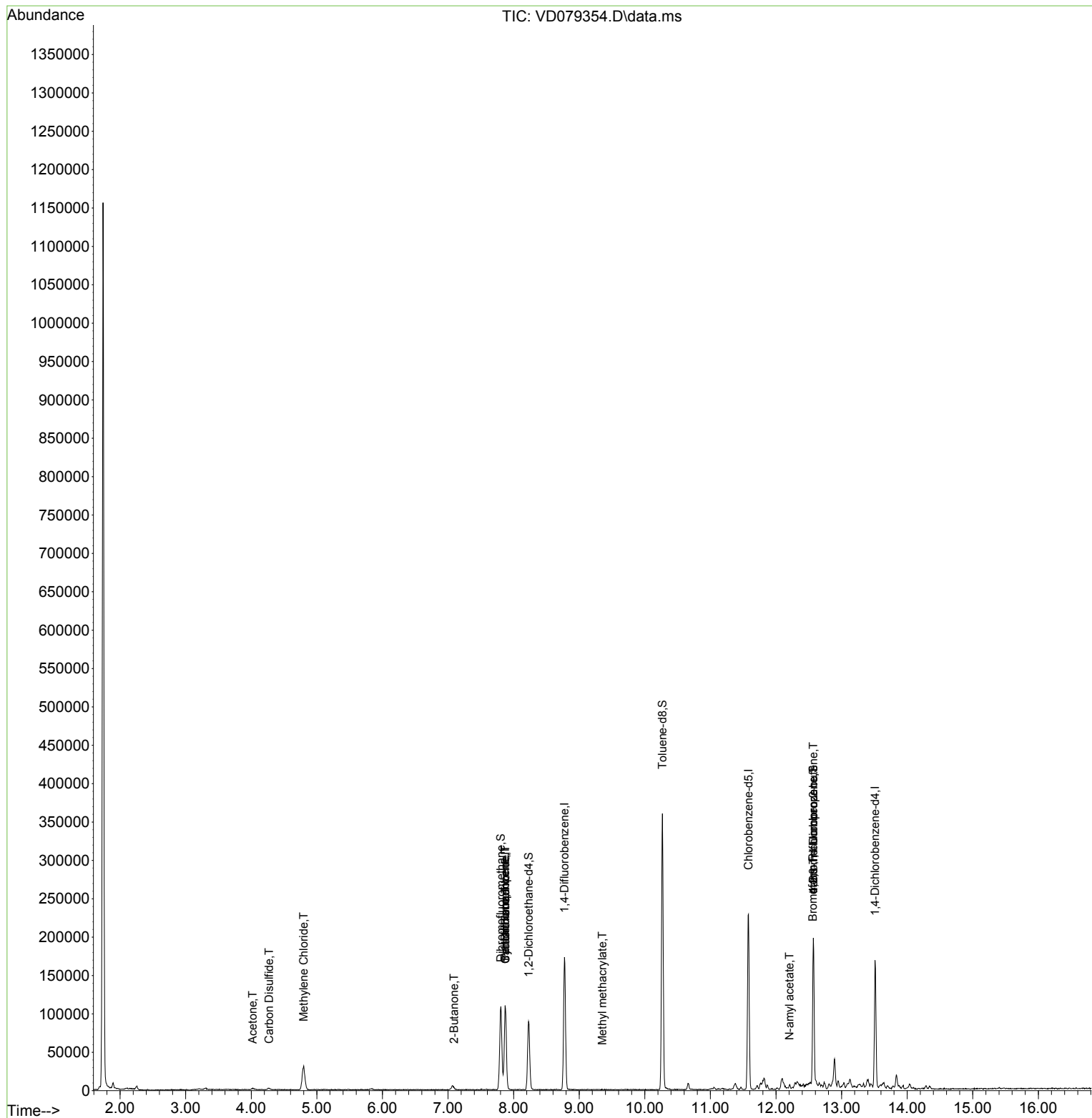
Target Compounds					Qvalue	
5) Bromomethane	2.693	94	333	Below Cal		91
16) Acetone	4.022	43	3316	18.538	ug/l #	82
17) Carbon Disulfide	4.269	76	3781	1.291	ug/l #	76
20) Methylene Chloride	4.799	84	25402	11.480	ug/l	96
25) 2-Butanone	7.093	43	461	1.814	ug/l #	42
31) Cyclohexane	7.875	56	1988	1.398	ug/l #	31
36) 1,1-Dichloropropene	7.869	75	7110	4.992	ug/l #	44
38) Carbon Tetrachloride	7.875	117	8690	5.796	ug/l #	19
48) Methyl methacrylate	9.352	41	55	2.574	ug/l #	1
71) Bromoform	12.563	173	739	1.240	ug/l #	1
74) N-amyl acetate	12.204	43	1657	2.519	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	31165	73.956	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	31165	139.440	ug/l #	19

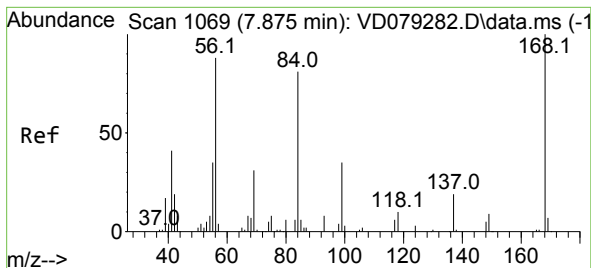
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.869 min Scan# 1069

Delta R.T. -0.006 min

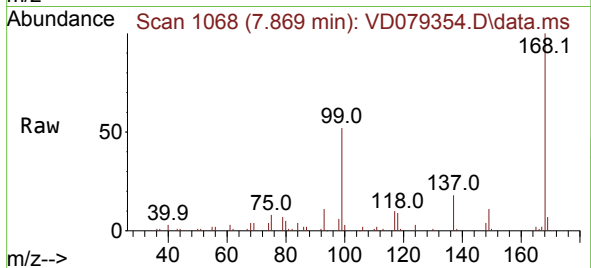
Lab File: VD079354.D

Acq: 08 Jul 2024 21:20

Instrument :

MSVOA_D

ClientSampleId :

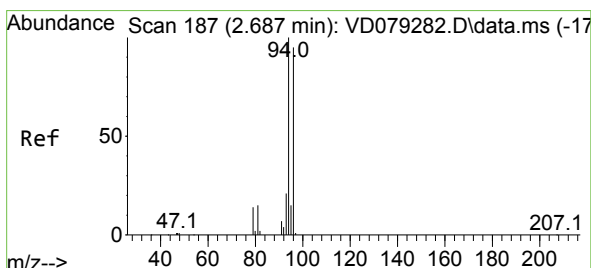
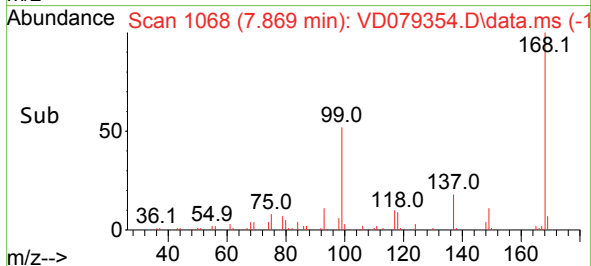
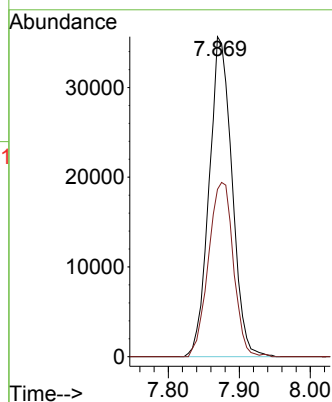


Tgt Ion:168 Resp: 79810

Ion Ratio Lower Upper

168 100

99 52.3 41.1 61.7



#5

Bromomethane

Concen: Below Cal

RT: 2.693 min Scan# 188

Delta R.T. 0.035 min

Lab File: VD079354.D

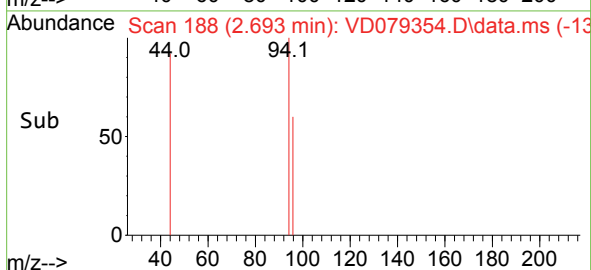
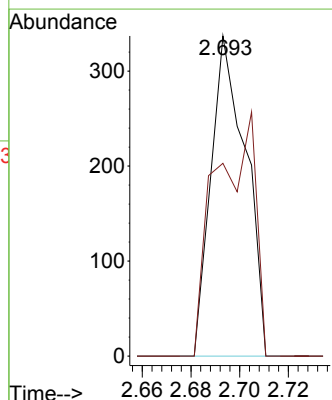
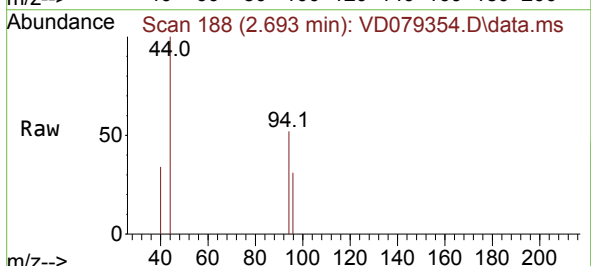
Acq: 08 Jul 2024 21:20

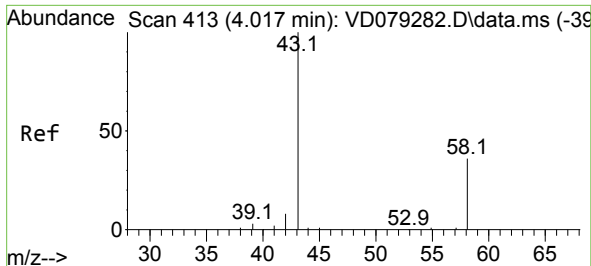
Tgt Ion: 94 Resp: 333

Ion Ratio Lower Upper

94 100

96 87.1 76.9 115.3

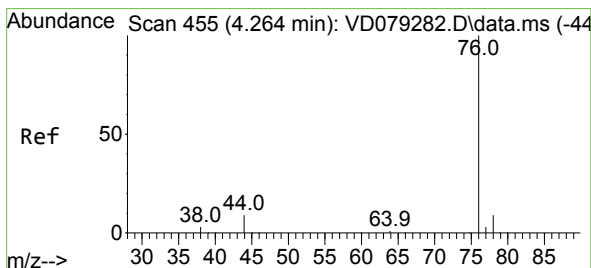
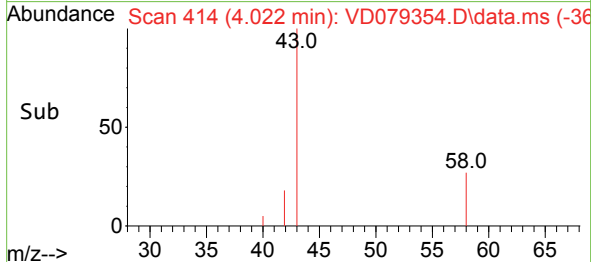
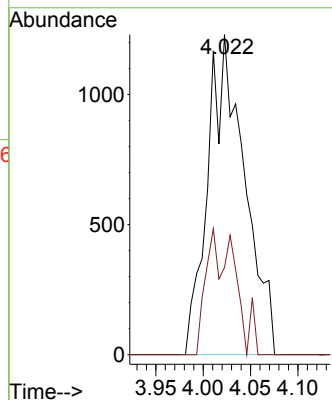
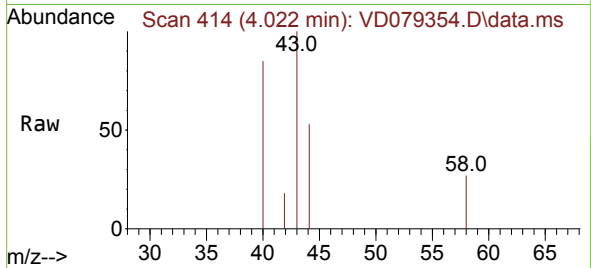




#16
Acetone
Concen: 18.538 ug/l
RT: 4.022 min Scan# 41
Delta R.T. 0.005 min
Lab File: VD079354.D
Acq: 08 Jul 2024 21:20

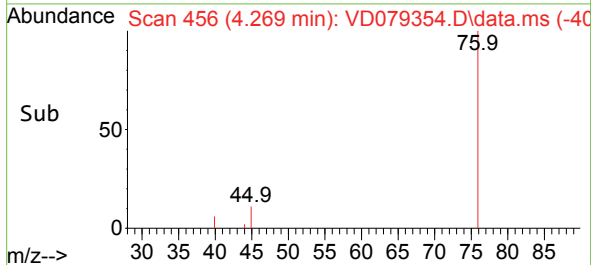
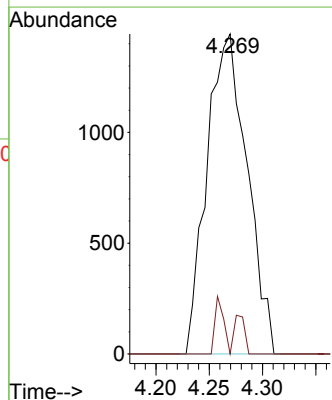
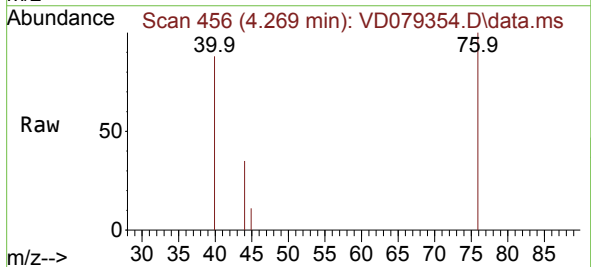
Instrument :
MSVOA_D
ClientSampleId :

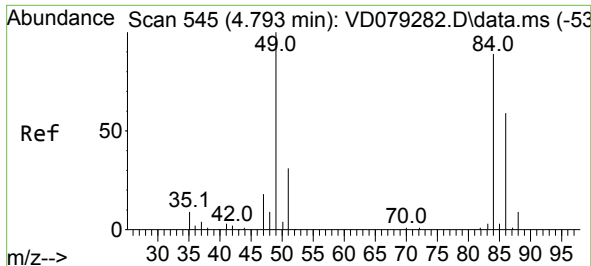
Tgt Ion: 43 Resp: 3316
Ion Ratio Lower Upper
43 100
58 27.2 30.4 45.6#



#17
Carbon Disulfide
Concen: 1.291 ug/l
RT: 4.269 min Scan# 456
Delta R.T. 0.005 min
Lab File: VD079354.D
Acq: 08 Jul 2024 21:20

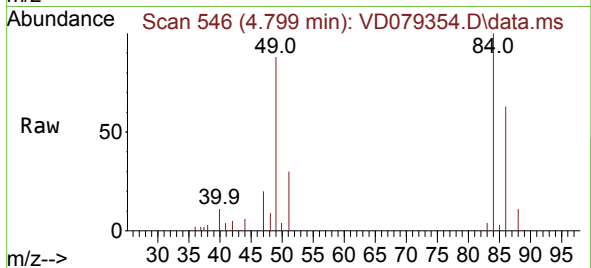
Tgt Ion: 76 Resp: 3781
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#



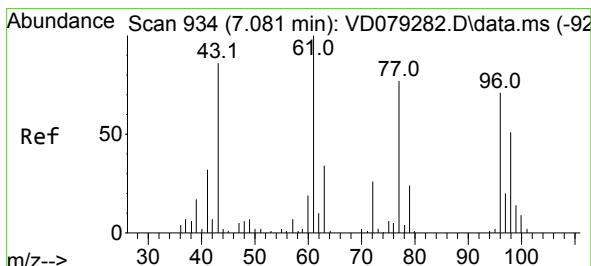
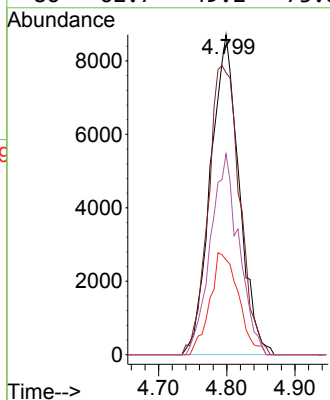
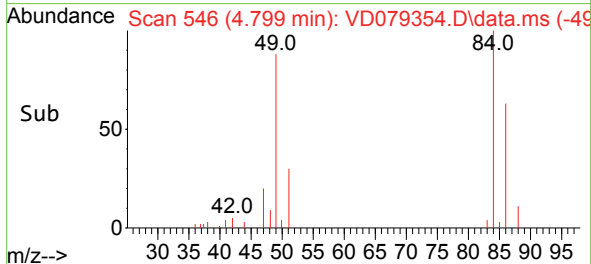


#20
Methylene Chloride
Concen: 11.480 ug/l
RT: 4.799 min Scan# 54
Delta R.T. 0.006 min
Lab File: VD079354.D
Acq: 08 Jul 2024 21:20

Instrument :
MSVOA_D
ClientSampleId :

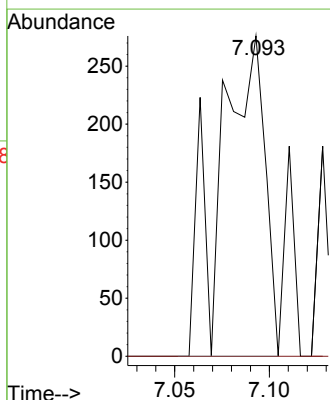
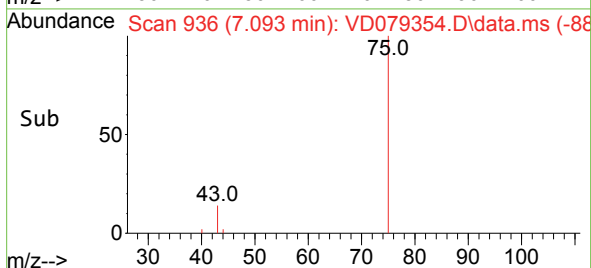
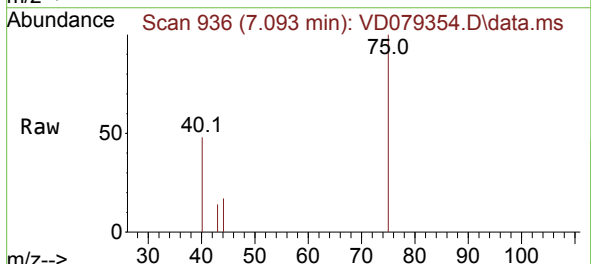


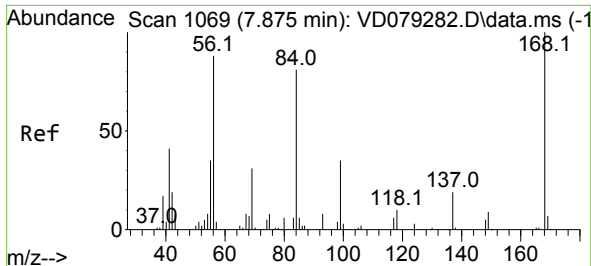
Tgt Ion: 84 Resp: 25402
Ion Ratio Lower Upper
84 100
49 88.1 75.6 113.4
51 29.6 24.2 36.2
86 62.7 49.2 73.8



#25
2-Butanone
Concen: 1.814 ug/l
RT: 7.093 min Scan# 936
Delta R.T. 0.018 min
Lab File: VD079354.D
Acq: 08 Jul 2024 21:20

Tgt Ion: 43 Resp: 461
Ion Ratio Lower Upper
43 100
72 0.0 26.4 39.6#





#31

Cyclohexane

Concen: 1.398 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.000 min

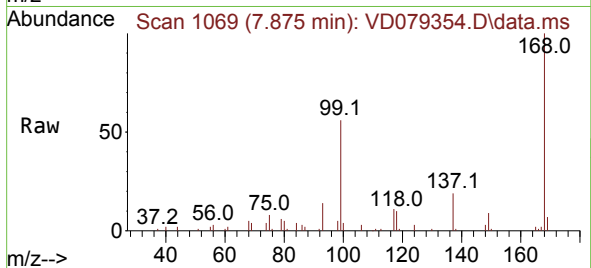
Lab File: VD079354.D

Acq: 08 Jul 2024 21:20

Instrument :

MSVOA_D

ClientSampleId :



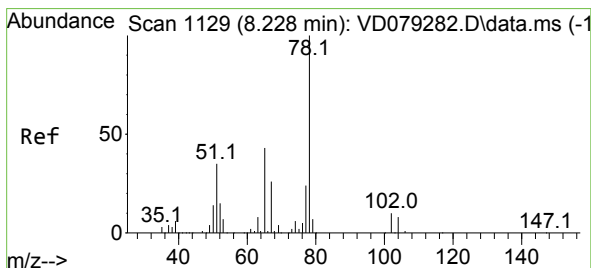
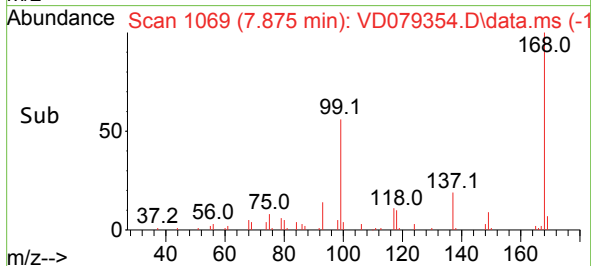
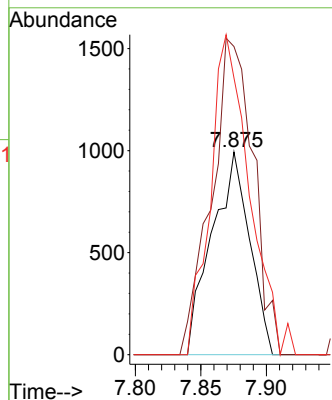
Tgt Ion: 56 Resp: 1988

Ion Ratio Lower Upper

56 100

69 152.1 28.0 42.0#

84 136.6 87.4 131.0#



#33

1,2-Dichloroethane-d4

Concen: 76.307 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD079354.D

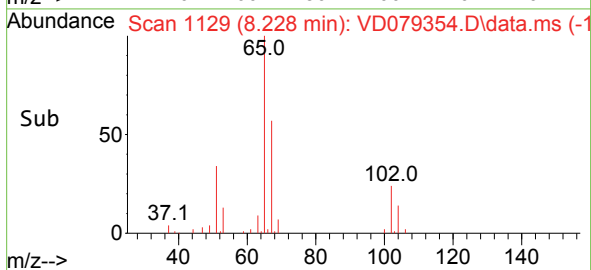
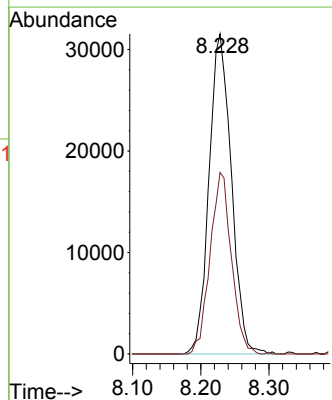
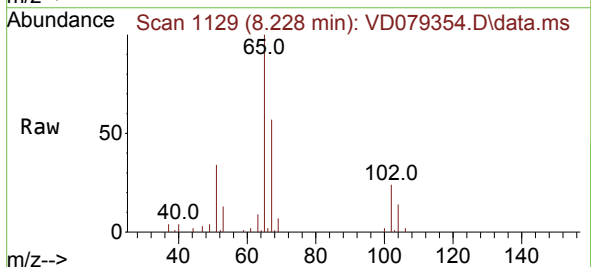
Acq: 08 Jul 2024 21:20

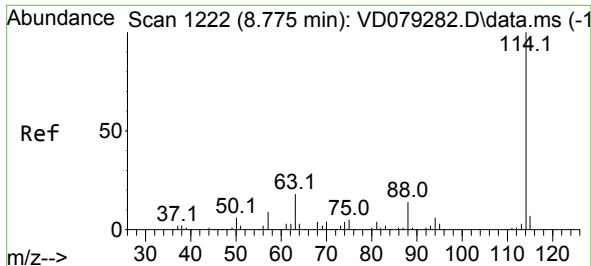
Tgt Ion: 65 Resp: 71768

Ion Ratio Lower Upper

65 100

67 54.2 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD079354.D

Acq: 08 Jul 2024 21:20

Instrument :

MSVOA_D

ClientSampleId :

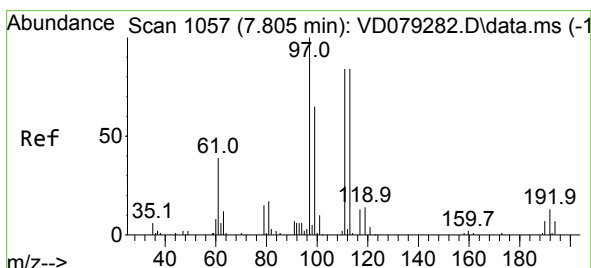
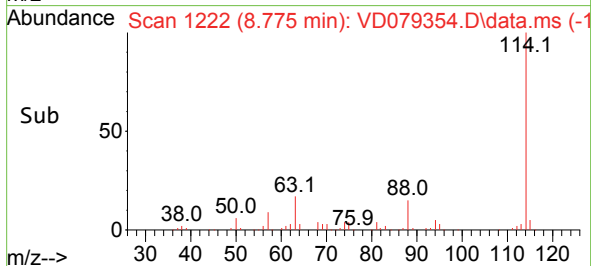
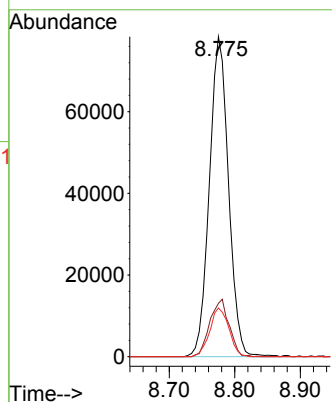
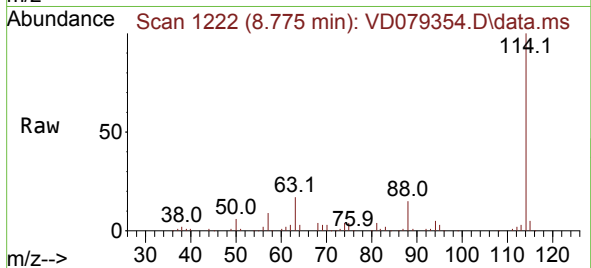
Tgt Ion:114 Resp: 158930

Ion Ratio Lower Upper

114 100

63 16.7 0.0 34.0

88 15.2 0.0 27.2



#35

Dibromofluoromethane

Concen: 71.930 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD079354.D

Acq: 08 Jul 2024 21:20

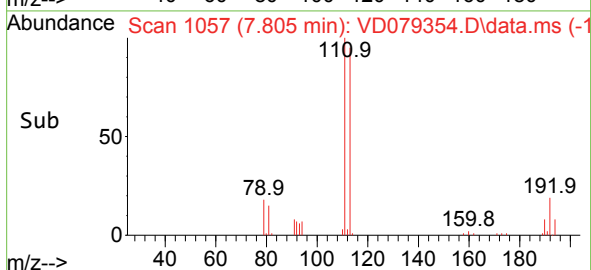
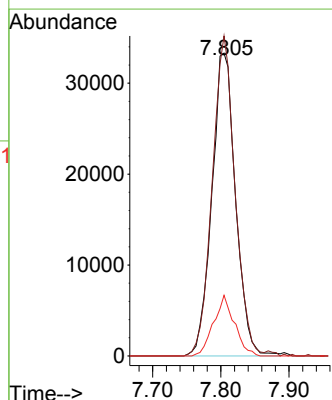
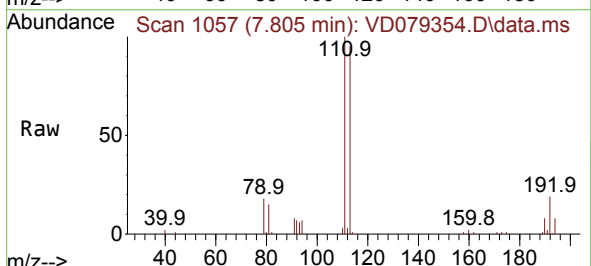
Tgt Ion:113 Resp: 80649

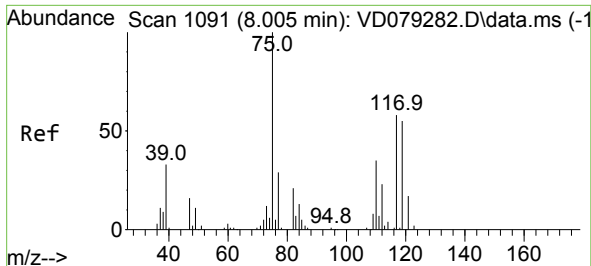
Ion Ratio Lower Upper

113 100

111 101.5 84.0 126.0

192 17.6 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.992 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.135 min

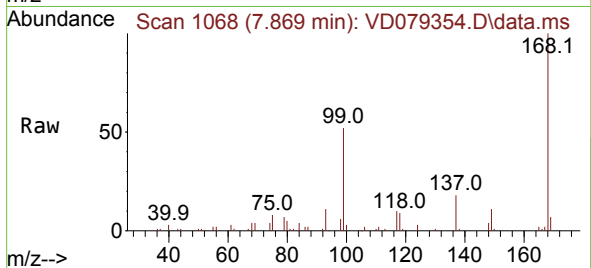
Lab File: VD079354.D

Acq: 08 Jul 2024 21:20

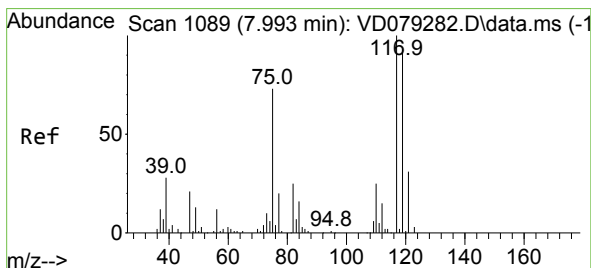
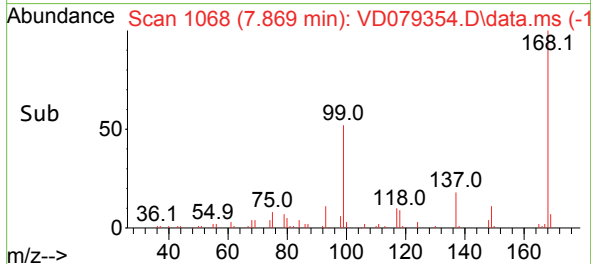
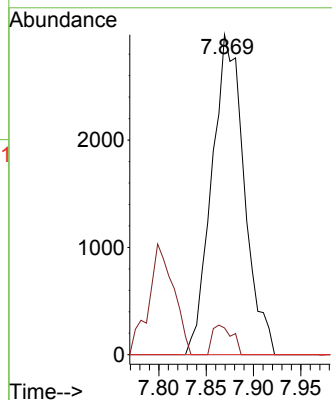
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 7110
Ion Ratio	Lower Upper
75	100
110	5.7 19.6 58.7#
77	0.0 26.1 39.1#



#38

Carbon Tetrachloride

Concen: 5.796 ug/l

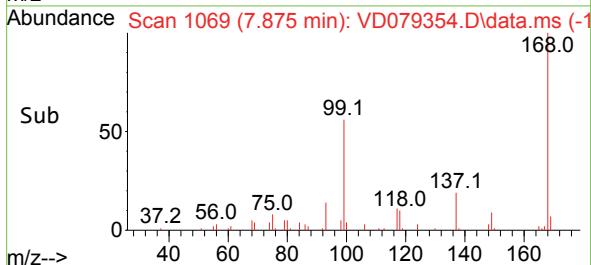
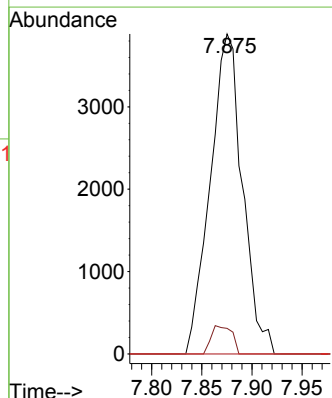
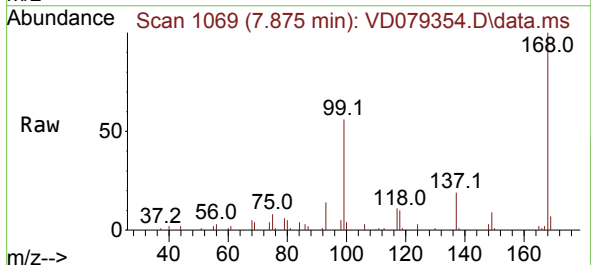
RT: 7.875 min Scan# 1069

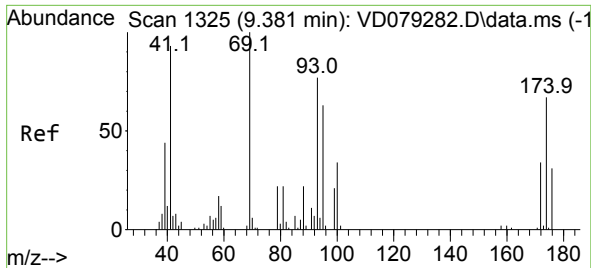
Delta R.T. -0.112 min

Lab File: VD079354.D

Acq: 08 Jul 2024 21:20

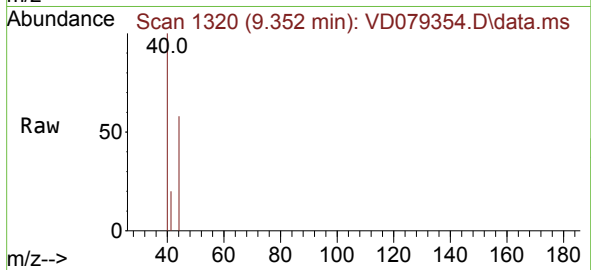
Tgt Ion: 117	Resp: 8690
Ion Ratio	Lower Upper
117	100
119	8.0 75.4 113.0#
121	0.0 25.0 37.4#



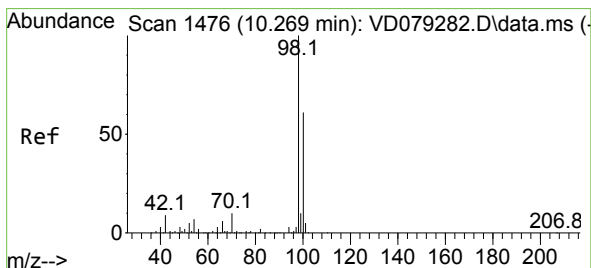
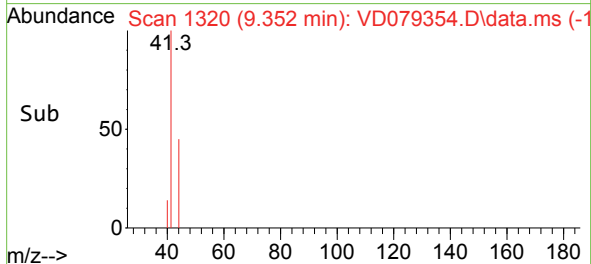
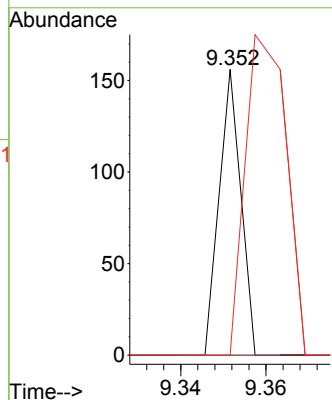


#48
Methyl methacrylate
Concen: 2.574 ug/l
RT: 9.352 min Scan# 11
Delta R.T. -0.023 min
Lab File: VD079354.D
Acq: 08 Jul 2024 21:20

Instrument :
MSVOA_D
ClientSampleId :

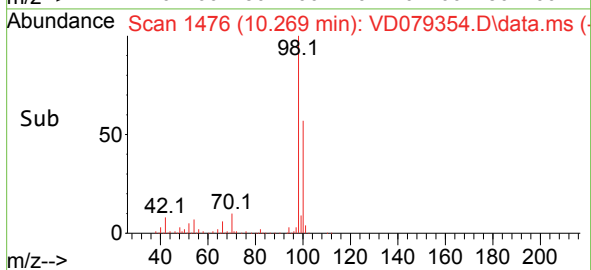
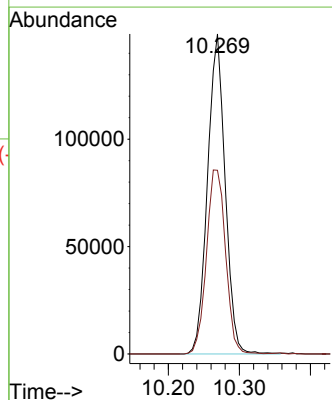
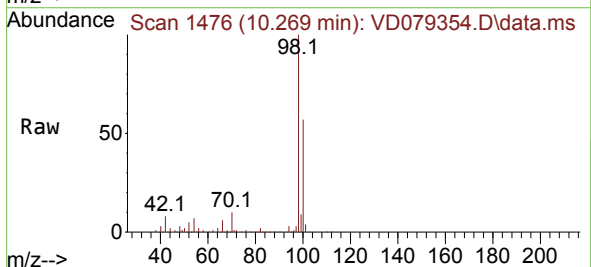


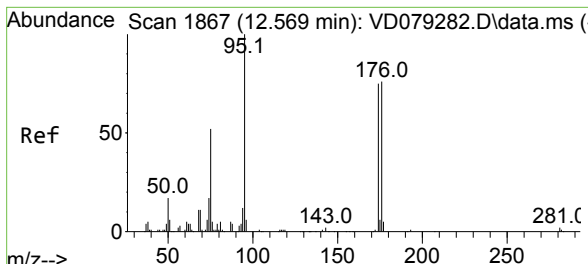
Tgt Ion: 41 Resp: 55
Ion Ratio Lower Upper
41 100
69 0.0 96.7 145.1#
39 212.7 43.8 65.6#



#50
Toluene-d8
Concen: 59.484 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD079354.D
Acq: 08 Jul 2024 21:20

Tgt Ion: 98 Resp: 257096
Ion Ratio Lower Upper
98 100
100 62.3 51.6 77.4

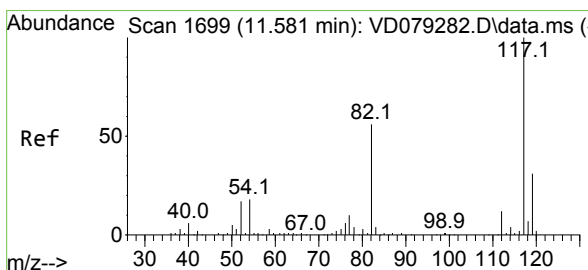
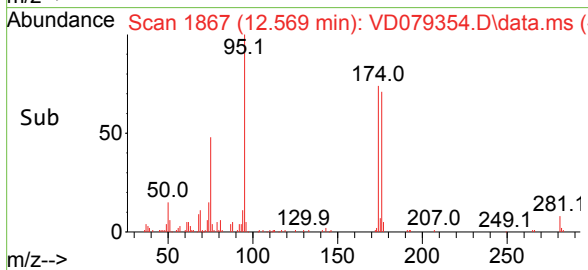
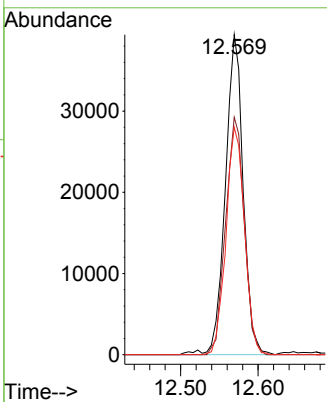
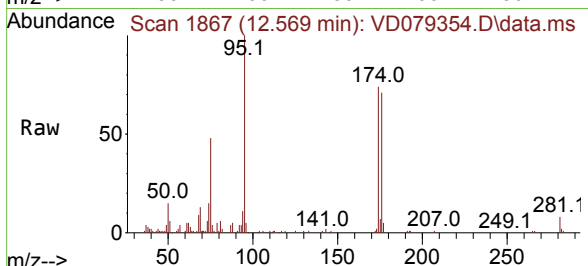




#62
 4-Bromofluorobenzene
 Concen: 47.090 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. 0.000 min
 Lab File: VD079354.D
 Acq: 08 Jul 2024 21:20

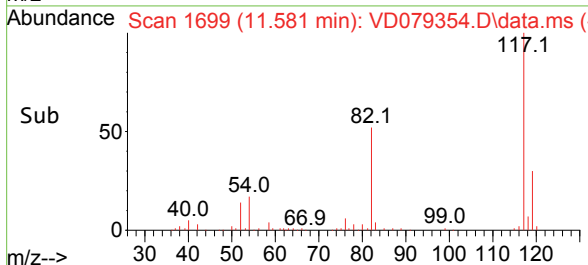
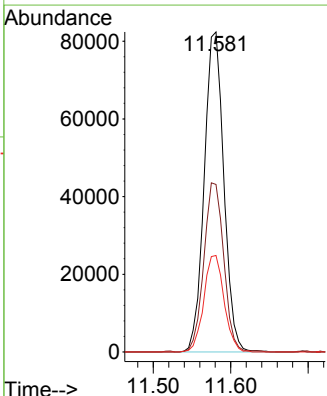
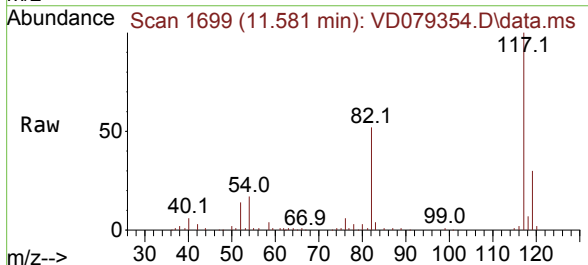
Instrument :
 MSVOA_D
 ClientSampleId :

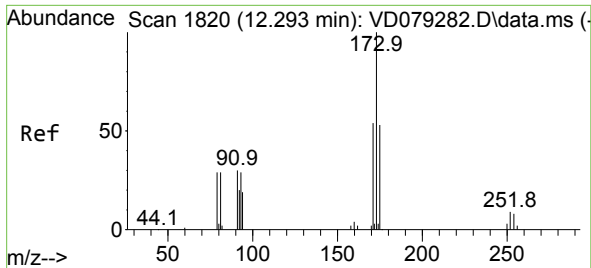
Tgt Ion:	95	Resp:	63258
Ion	Ratio	Lower	Upper
95	100		
174	77.4	0.0	195.4
176	73.7	0.0	192.6



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.581 min Scan# 1699
 Delta R.T. 0.000 min
 Lab File: VD079354.D
 Acq: 08 Jul 2024 21:20

Tgt Ion:	117	Resp:	145210
Ion	Ratio	Lower	Upper
117	100		
82	52.4	39.8	59.6
119	30.2	25.7	38.5

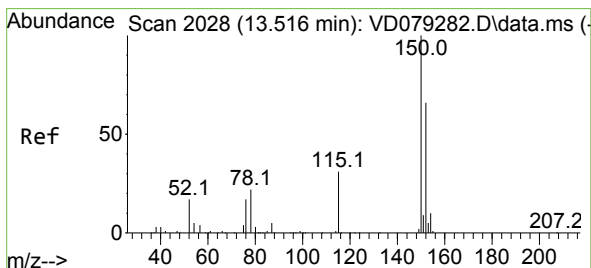
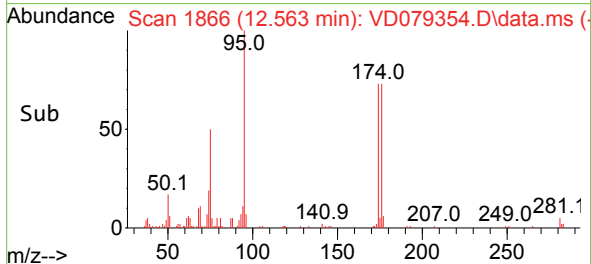
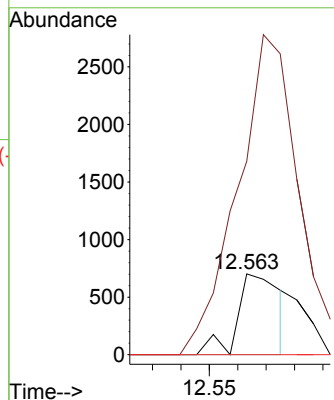
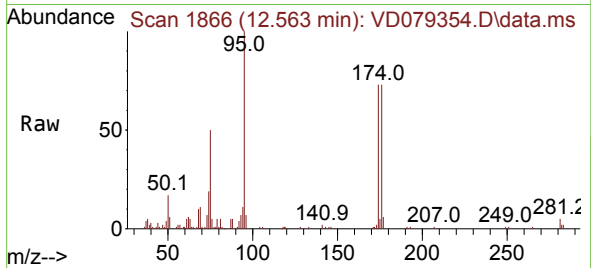




#71
Bromoform
Concen: 1.240 ug/l
RT: 12.563 min Scan# 1866
Delta R.T. 0.265 min
Lab File: VD079354.D
Acq: 08 Jul 2024 21:20

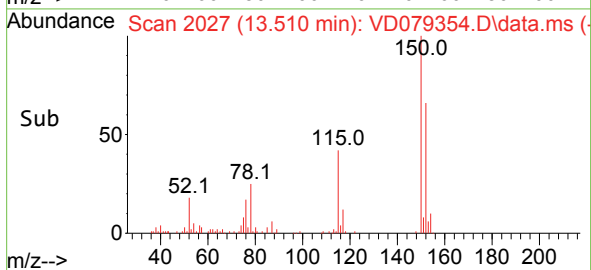
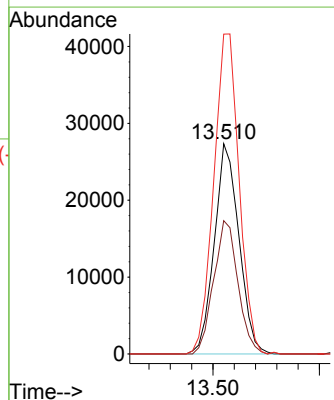
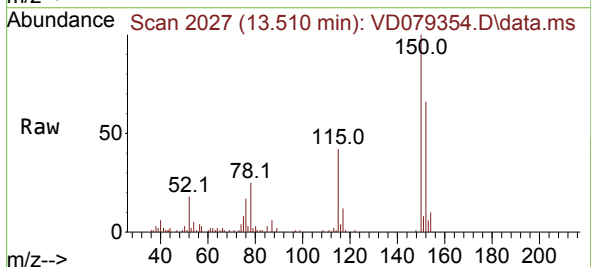
Instrument :
MSVOA_D
ClientSampleId :

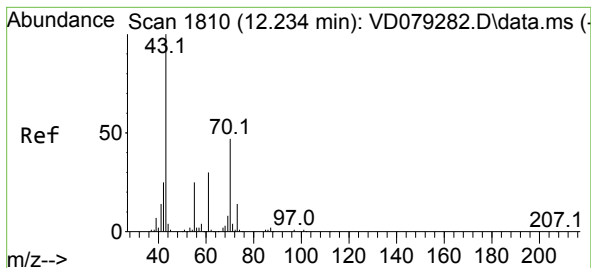
Tgt Ion:173 Resp: 739
Ion Ratio Lower Upper
173 100
175 434.1 23.7 71.1#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.510 min Scan# 2027
Delta R.T. -0.006 min
Lab File: VD079354.D
Acq: 08 Jul 2024 21:20

Tgt Ion:152 Resp: 43859
Ion Ratio Lower Upper
152 100
115 62.7 26.5 79.5
150 156.7 0.0 341.6





#74

N-amy1 acetate

Concen: 2.519 ug/l

RT: 12.204 min Scan# 1805

Delta R.T. -0.024 min

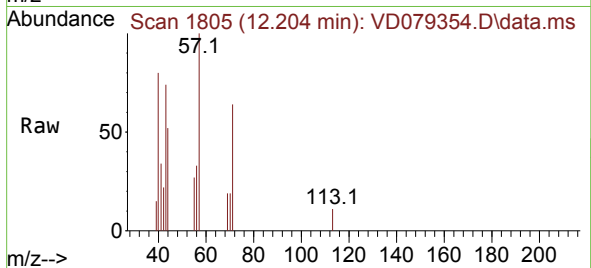
Lab File: VD079354.D

Acq: 08 Jul 2024 21:20

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 43 Resp: 1657

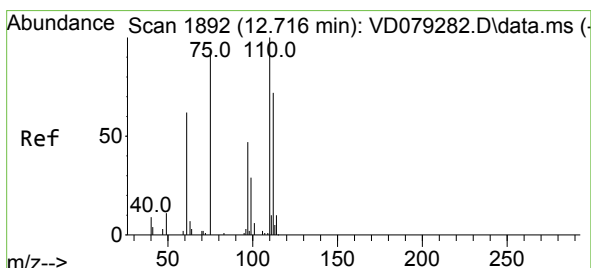
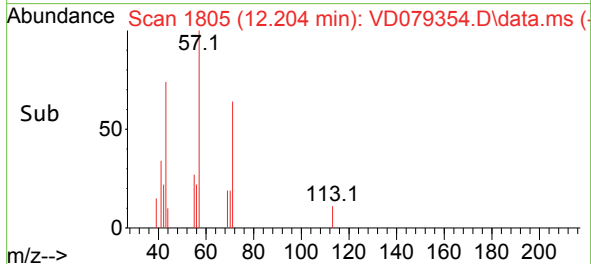
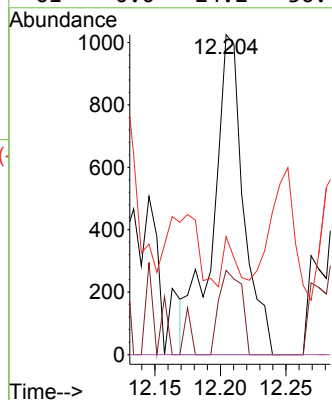
Ion Ratio Lower Upper

43 100

70 19.4 44.3 66.5#

55 0.0 23.2 34.8#

61 0.0 24.2 36.4#



#76

1,2,3-Trichloropropane

Concen: 73.956 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD079354.D

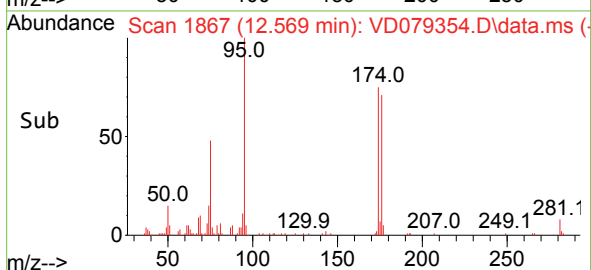
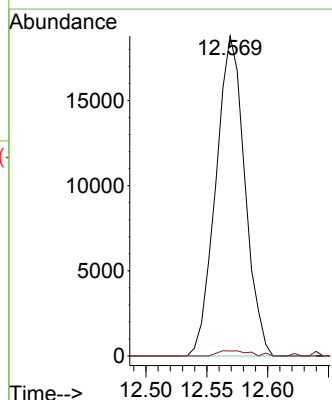
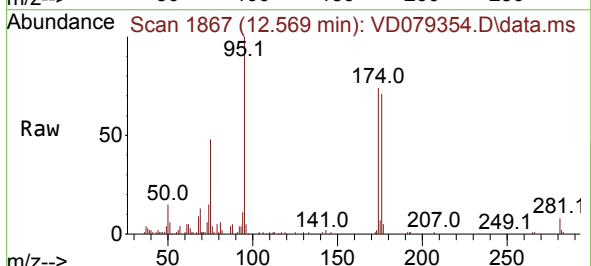
Acq: 08 Jul 2024 21:20

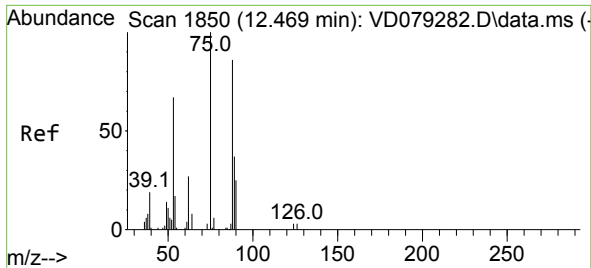
Tgt Ion: 75 Resp: 31165

Ion Ratio Lower Upper

75 100

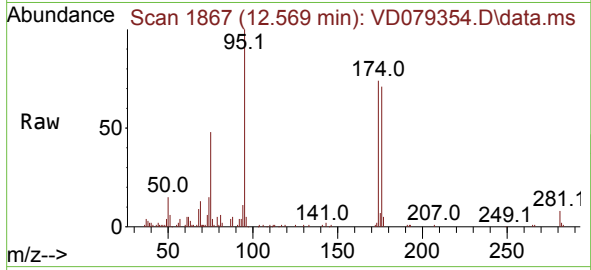
77 1.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.440 ug/l
 RT: 12.569 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD079354.D
 Acq: 08 Jul 2024 21:20

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	31165
Ion	Ratio	Lower	Upper
75	100		
53	0.4	61.4	92.2#
89	0.0	35.4	53.0#

