

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021424\
 Data File : VD078420.D
 Acq On : 14 Feb 2024 17:58
 Operator : RP/MD
 Sample : P1464-03
 Misc : 3.67G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 15 03:43:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 14 01:16:20 2024
 Response via : Initial Calibration

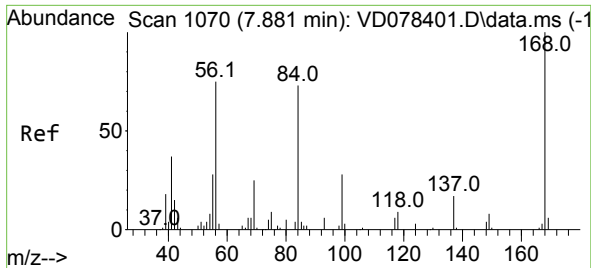
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	182459	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	361217	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	429628	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	232681	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	77721	39.396	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	78.800%
35) Dibromofluoromethane	7.810	113	107786	46.975	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.960%
50) Toluene-d8	10.269	98	481016	52.406	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.820%
62) 4-Bromofluorobenzene	12.575	95	187867	70.335	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	140.660%
Target Compounds						
					Qvalue	
16) Acetone	4.028	43	1163	Below Cal		87
18) Methyl Acetate	4.740	43	56	3.976	ug/l #	42
20) Methylene Chloride	4.810	84	19907	6.201	ug/l	90
25) 2-Butanone	7.081	43	54	Below Cal	#	37
31) Cyclohexane	7.875	56	4308	1.291	ug/l #	42
36) 1,1-Dichloropropene	7.875	75	14446	4.053	ug/l #	48
38) Carbon Tetrachloride	7.875	117	17946	5.084	ug/l #	15
74) N-amyl acetate	12.210	43	6024	2.038	ug/l #	48
75) 1,1,2,2-Tetrachloroethane	12.887	83	7574	2.444	ug/l	66
76) 1,2,3-Trichloropropane	12.722	75	2969	1.503	ug/l #	100
77) Bromobenzene	12.728	156	114018	31.051	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.904	105	31073	2.395	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.575	75	94512	99.327	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.063	105	50362	3.825	ug/l	76
86) p-Isopropyltoluene	13.463	119	27869	1.928	ug/l	94
89) n-Butylbenzene	13.751	91	27869	2.001	ug/l #	1
90) Hexachloroethane	14.063	117	23979	8.072	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.469	75	1309	3.226	ug/l #	1
95) Naphthalene	15.304	128	14226	1.983	ug/l #	1

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

Quant Time: Feb 15 03:43:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 14 01:16:20 2024
Response via : Initial Calibration

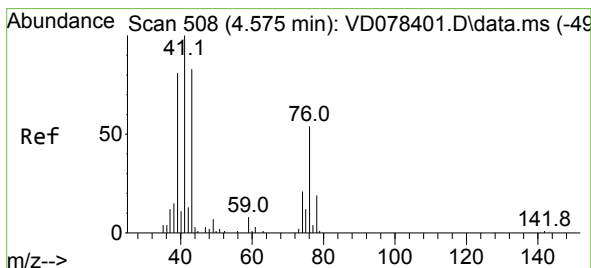
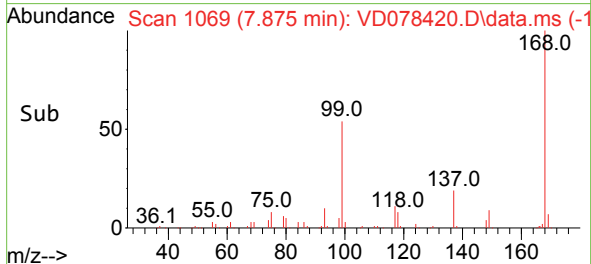
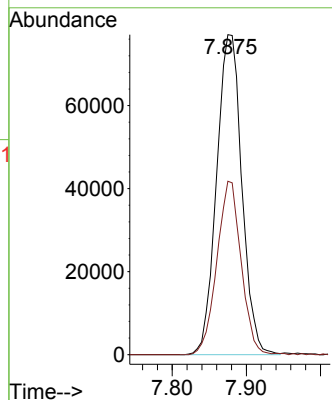
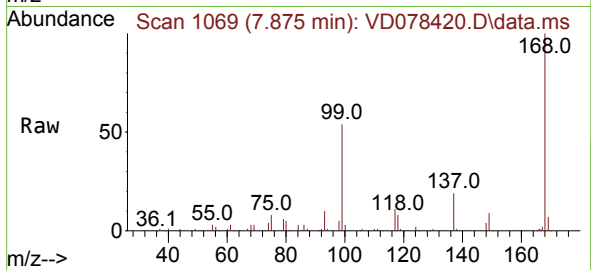




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078420.D
Acq: 14 Feb 2024 17:58

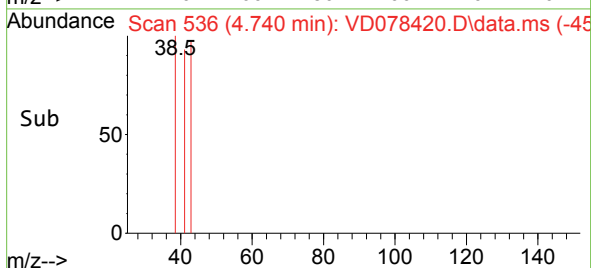
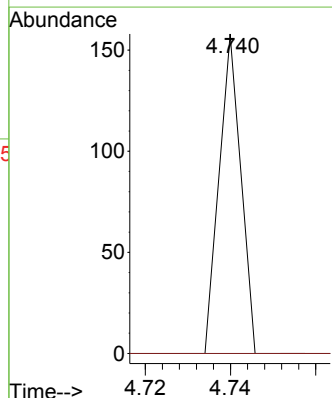
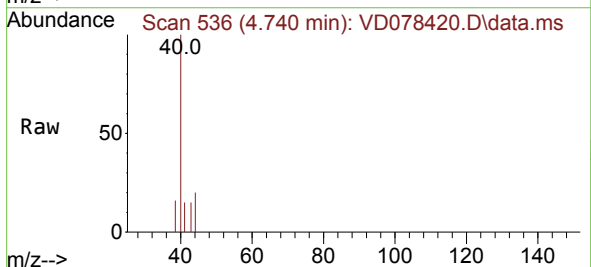
Instrument :
MSVOA_D
ClientSampleId :

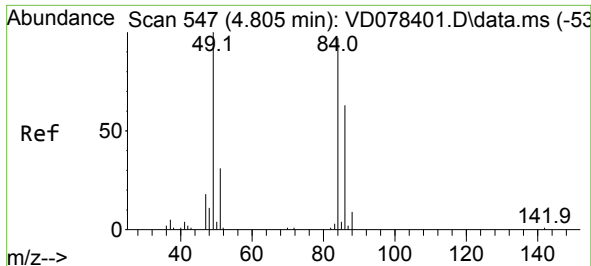
Tgt Ion:168 Resp: 182459
Ion Ratio Lower Upper
168 100
99 54.2 36.7 55.1



#18
Methyl Acetate
Concen: 3.976 ug/l
RT: 4.740 min Scan# 536
Delta R.T. 0.165 min
Lab File: VD078420.D
Acq: 14 Feb 2024 17:58

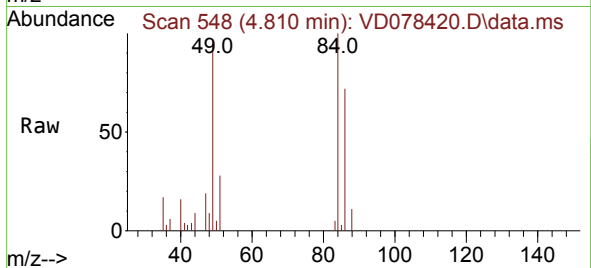
Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#



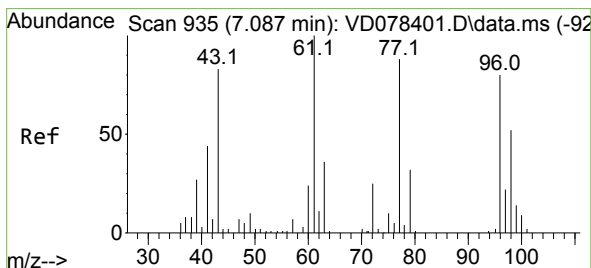
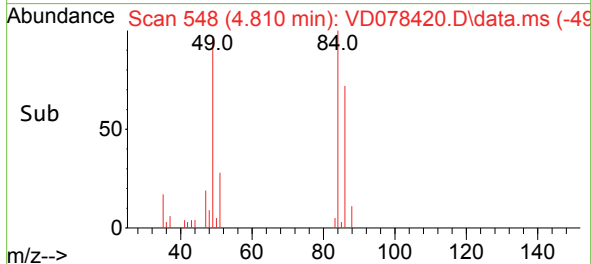
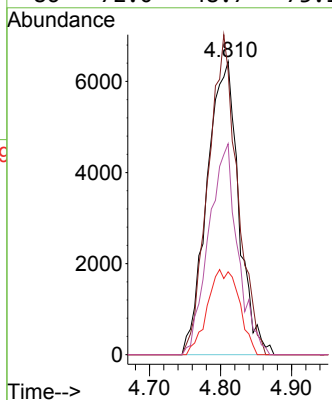


#20
Methylene Chloride
Concen: 6.201 ug/l
RT: 4.810 min Scan# 54
Delta R.T. 0.005 min
Lab File: VD078420.D
Acq: 14 Feb 2024 17:58

Instrument :
MSVOA_D
ClientSampleId :

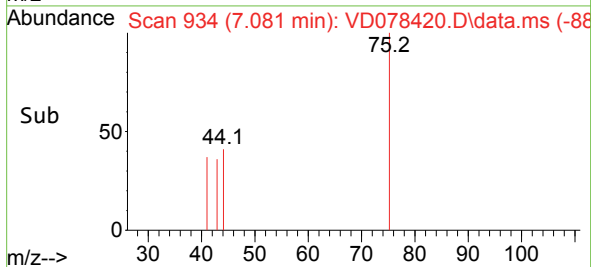
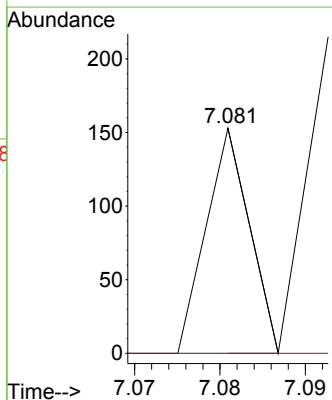
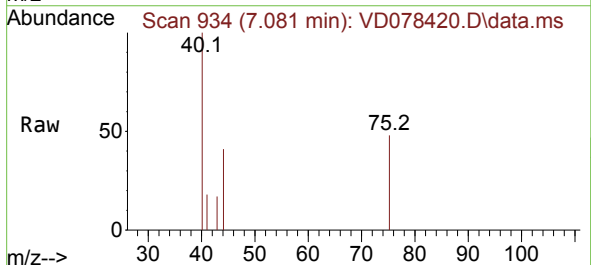


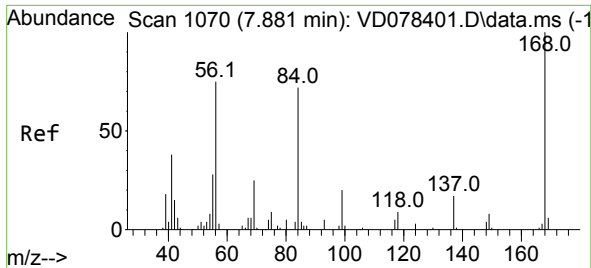
Tgt Ion: 84	Resp:	19907
Ion	Ratio	Lower Upper
84	100	
49	96.8	71.4 107.2
51	28.3	24.5 36.7
86	72.0	48.7 73.1



#25
2-Butanone
Concen: Below Cal
RT: 7.081 min Scan# 934
Delta R.T. -0.006 min
Lab File: VD078420.D
Acq: 14 Feb 2024 17:58

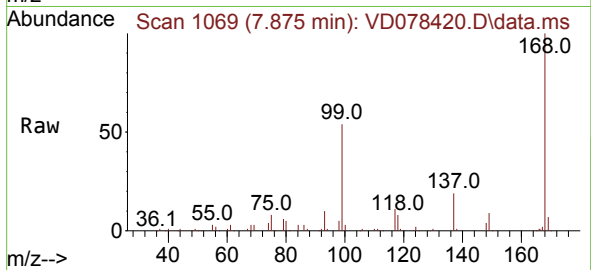
Tgt Ion: 43	Resp:	54
Ion	Ratio	Lower Upper
43	100	
72	0.0	30.7 46.1#



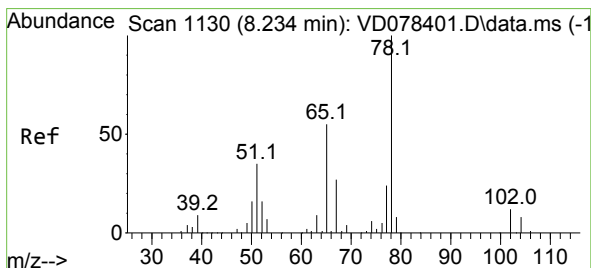
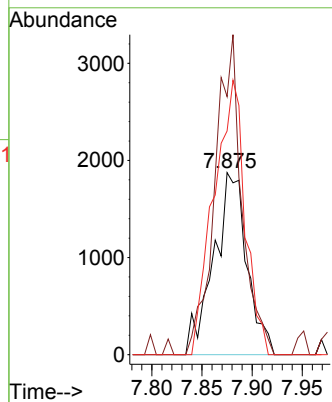
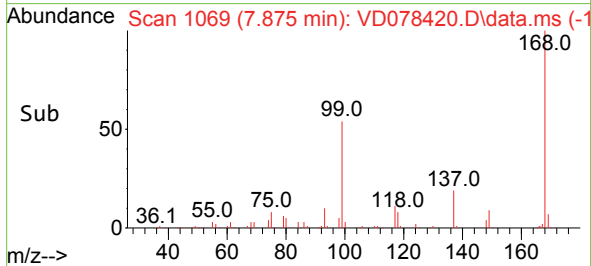


#31
Cyclohexane
Concen: 1.291 ug/l
RT: 7.875 min Scan# 1109
Delta R.T. -0.006 min
Lab File: VD078420.D
Acq: 14 Feb 2024 17:58

Instrument :
MSVOA_D
ClientSampleId :

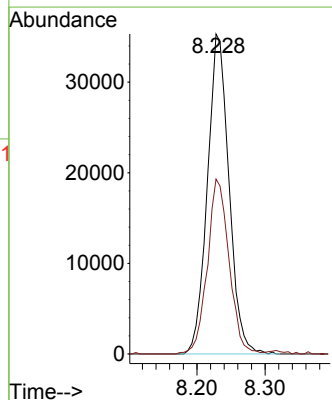
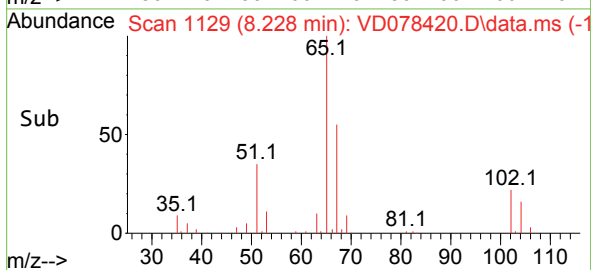
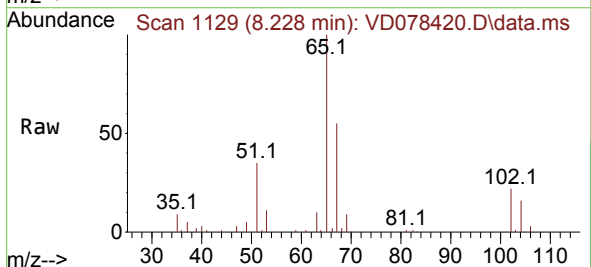


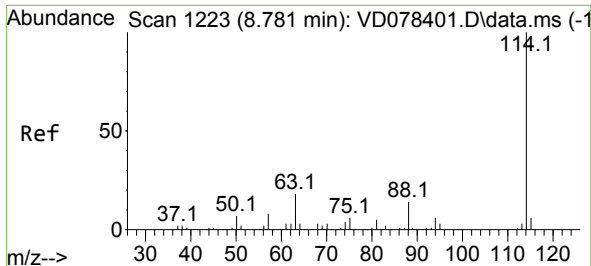
Tgt Ion: 56 Resp: 4308
Ion Ratio Lower Upper
56 100
69 141.7 28.6 43.0#
84 122.8 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 39.396 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD078420.D
Acq: 14 Feb 2024 17:58

Tgt Ion: 65 Resp: 77721
Ion Ratio Lower Upper
65 100
67 55.1 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: VD078420.D

Acq: 14 Feb 2024 17:58

Instrument :

MSVOA_D

ClientSampleId :

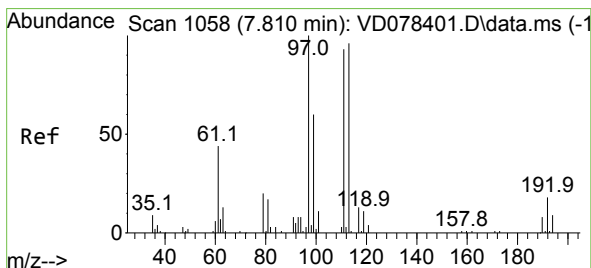
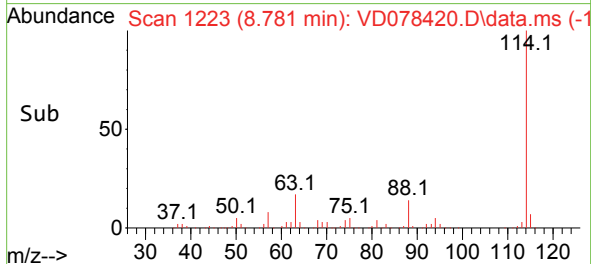
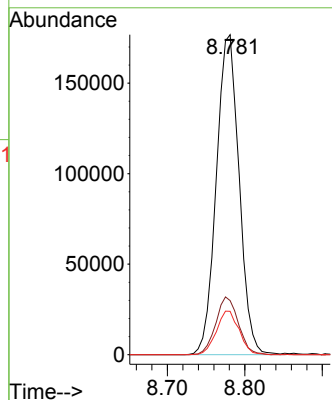
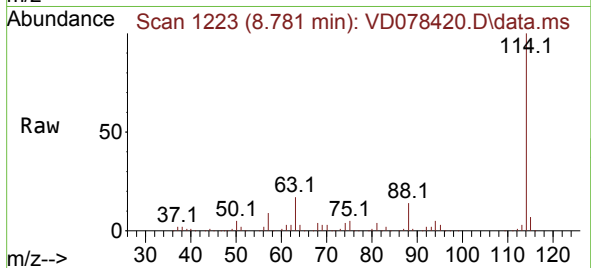
Tgt Ion:114 Resp: 361217

Ion Ratio Lower Upper

114 100

63 16.9 0.0 33.4

88 13.5 0.0 26.2



#35

Dibromofluoromethane

Concen: 46.975 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VD078420.D

Acq: 14 Feb 2024 17:58

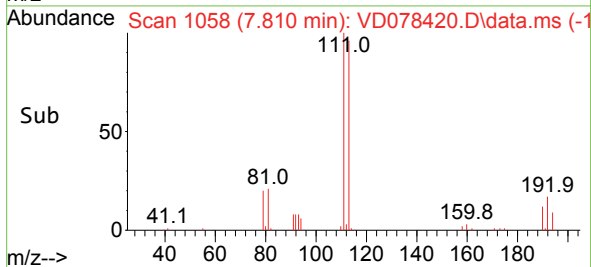
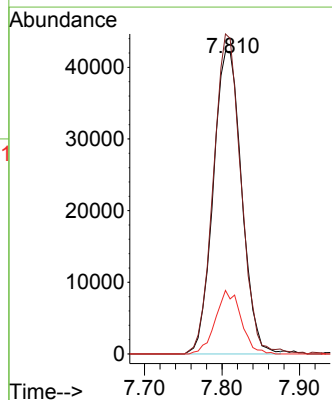
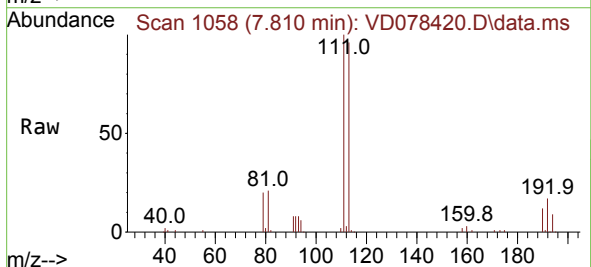
Tgt Ion:113 Resp: 107786

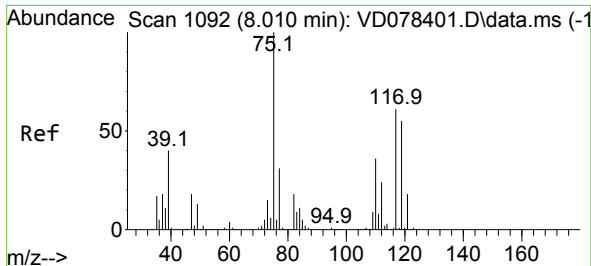
Ion Ratio Lower Upper

113 100

111 102.8 84.7 127.1

192 19.0 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.053 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD078420.D

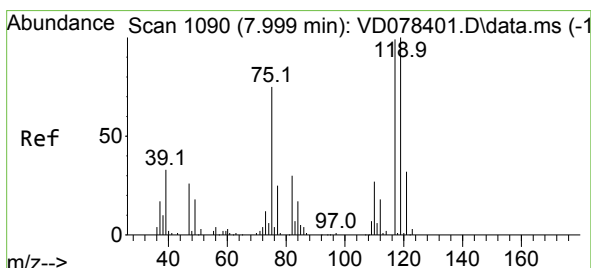
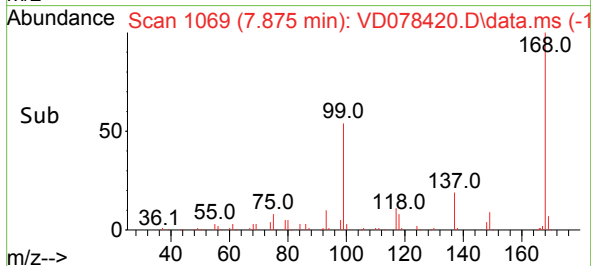
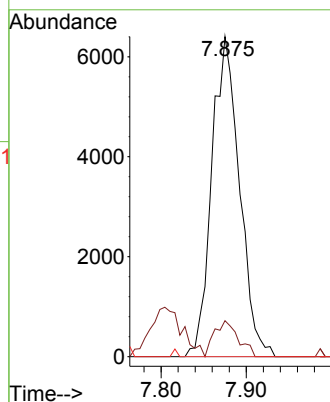
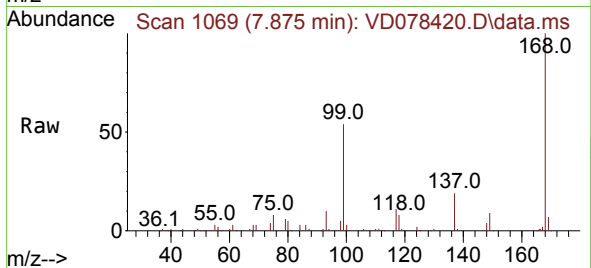
Acq: 14 Feb 2024 17:58

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 75	Resp: 14446
Ion Ratio	Lower Upper
75	100
110	9.7 19.9 59.6#
77	0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.084 ug/l

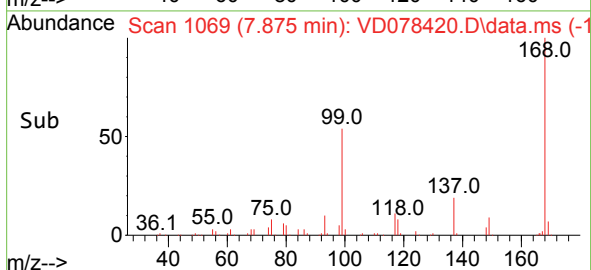
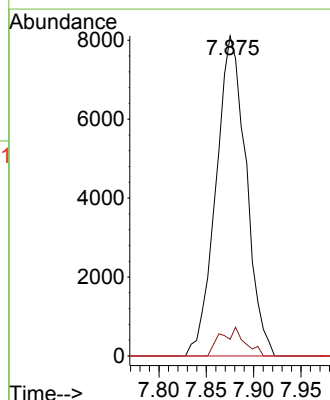
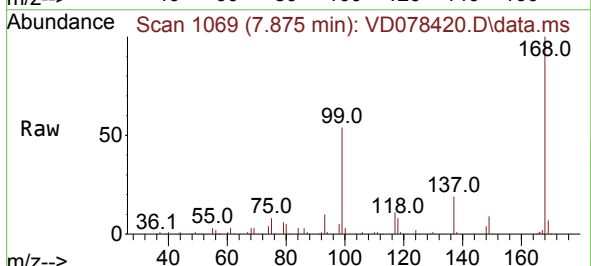
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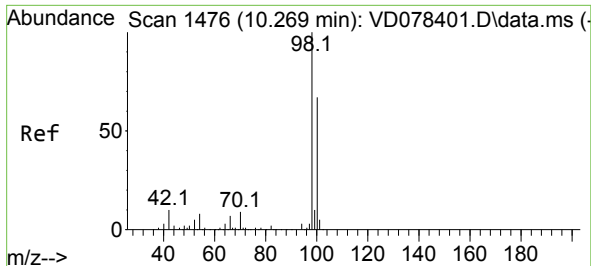
Delta R.T. -0.124 min

Lab File: VD078420.D

Acq: 14 Feb 2024 17:58

Tgt Ion: 117	Resp: 17946
Ion Ratio	Lower Upper
117	100
119	5.2 78.0 117.0#
121	0.0 24.2 36.2#

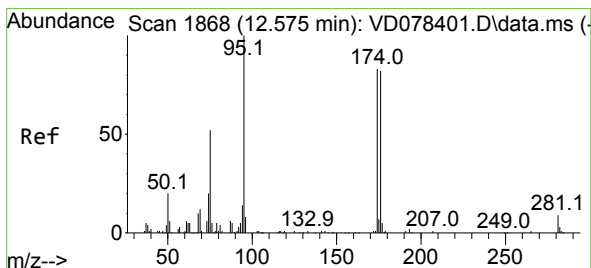
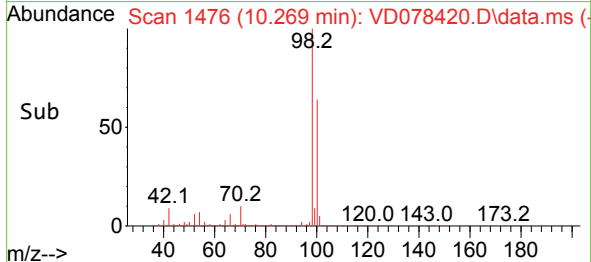
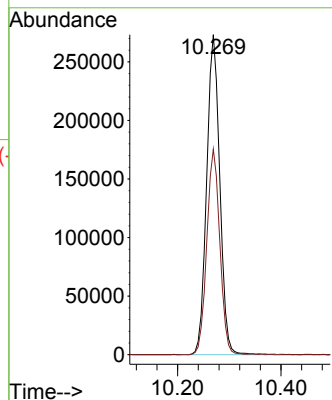
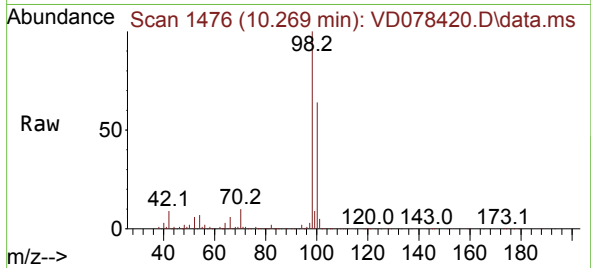




#50
Toluene-d8
Concen: 52.406 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD078420.D
Acq: 14 Feb 2024 17:58

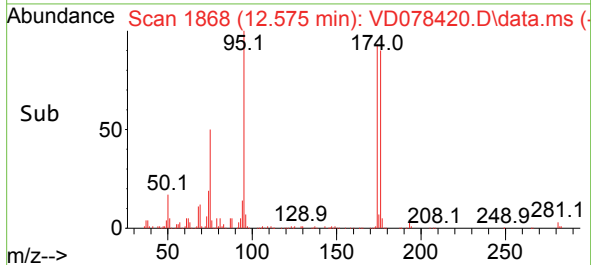
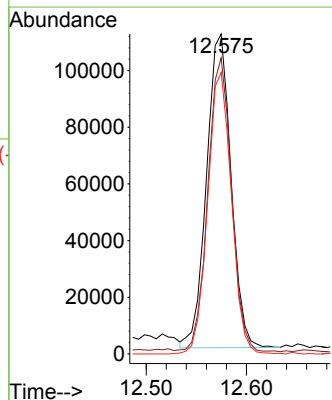
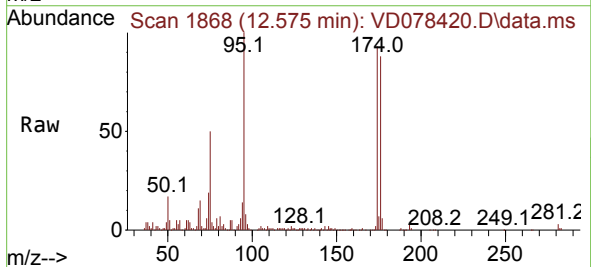
Instrument :
MSVOA_D
ClientSampleId :

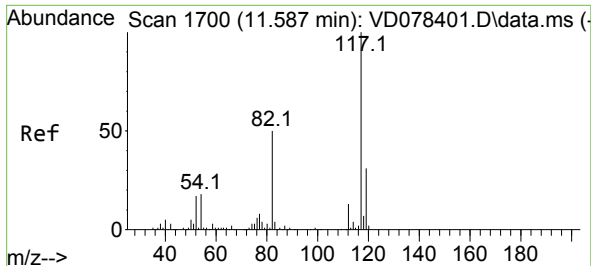
Tgt Ion: 98 Resp: 481016
Ion Ratio Lower Upper
98 100
100 63.8 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 70.335 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078420.D
Acq: 14 Feb 2024 17:58

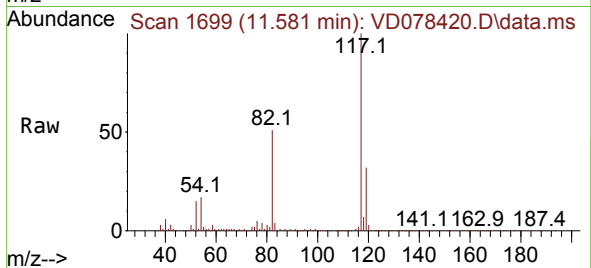
Tgt Ion: 95 Resp: 187867
Ion Ratio Lower Upper
95 100
174 90.9 0.0 201.8
176 87.0 0.0 191.8



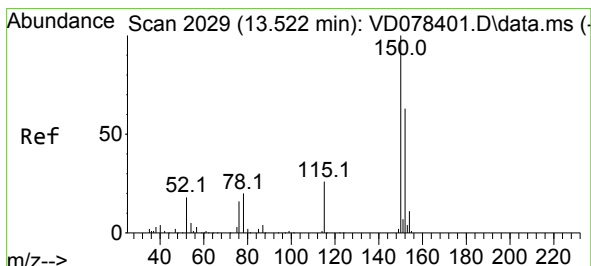
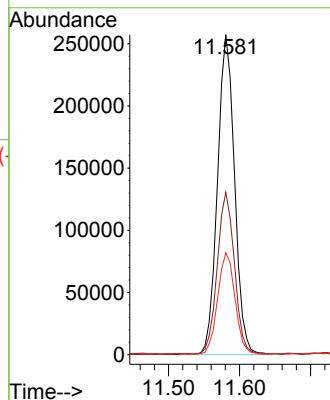
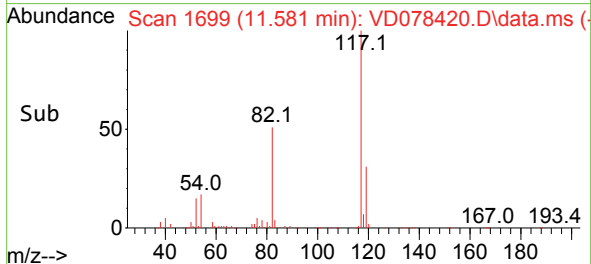


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VD078420.D
Acq: 14 Feb 2024 17:58

Instrument :
MSVOA_D
ClientSampleId :

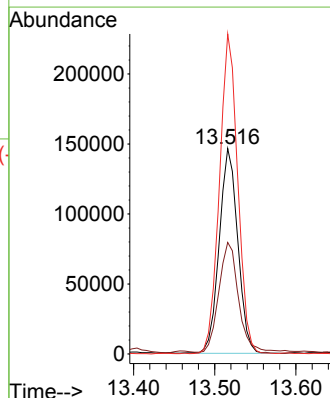
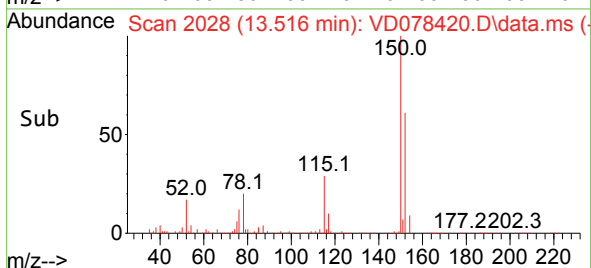
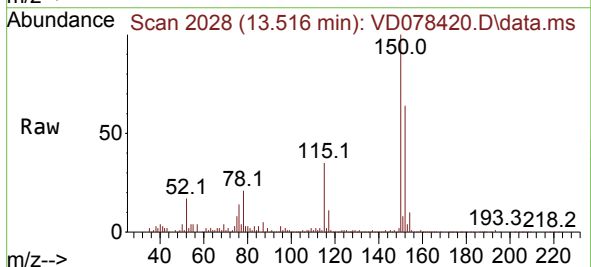


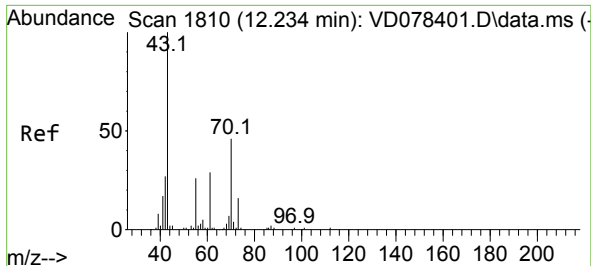
Tgt Ion:117 Resp: 429628
Ion Ratio Lower Upper
117 100
82 50.5 38.3 57.5
119 31.7 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD078420.D
Acq: 14 Feb 2024 17:58

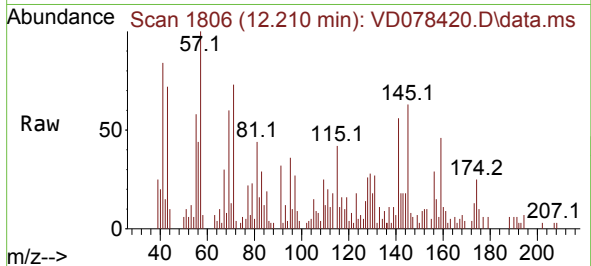
Tgt Ion:152 Resp: 232681
Ion Ratio Lower Upper
152 100
115 56.9 27.1 81.3
150 153.8 0.0 353.6



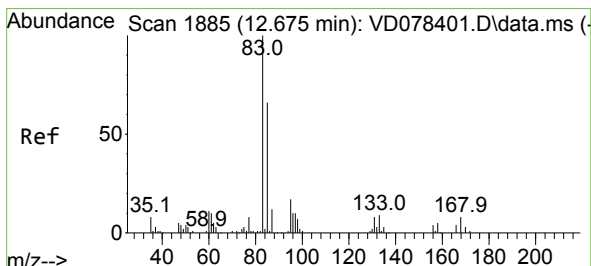
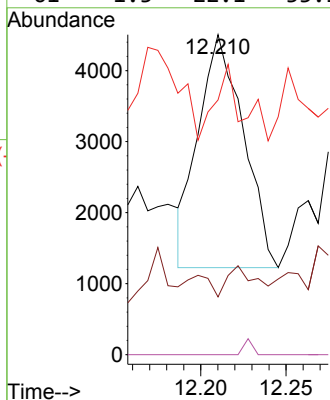
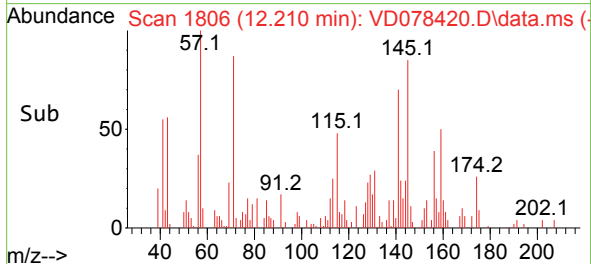


#74
N-amy1 acetate
Concen: 2.038 ug/l
RT: 12.210 min Scan# 11
Delta R.T. -0.024 min
Lab File: VD078420.D
Acq: 14 Feb 2024 17:58

Instrument :
MSVOA_D
ClientSampleId :

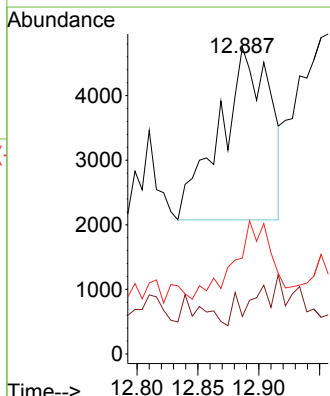
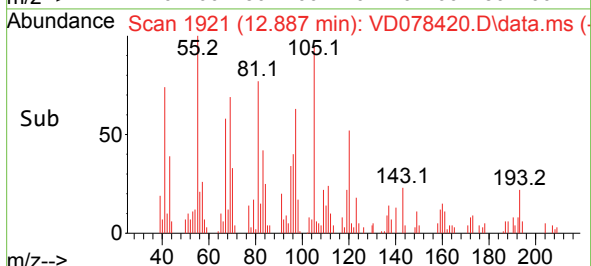
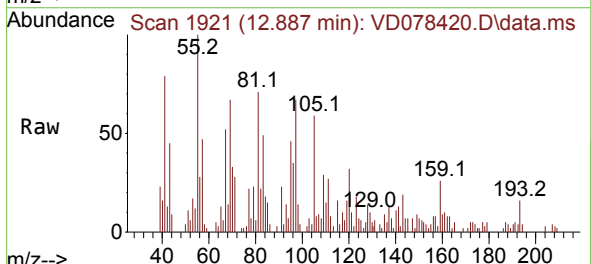


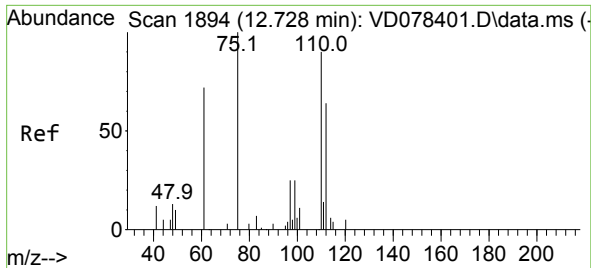
Tgt Ion:	43	Resp:	6024
Ion	Ratio	Lower	Upper
43	100		
70	8.1	45.0	67.4#
55	15.3	23.8	35.6#
61	1.3	22.1	33.1#



#75
1,1,2,2-Tetrachloroethane
Concen: 2.444 ug/l
RT: 12.887 min Scan# 1921
Delta R.T. 0.212 min
Lab File: VD078420.D
Acq: 14 Feb 2024 17:58

Tgt Ion:	83	Resp:	7574
Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.1	15.3
85	34.2	32.6	97.8

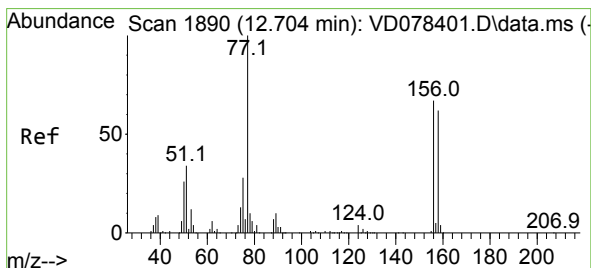
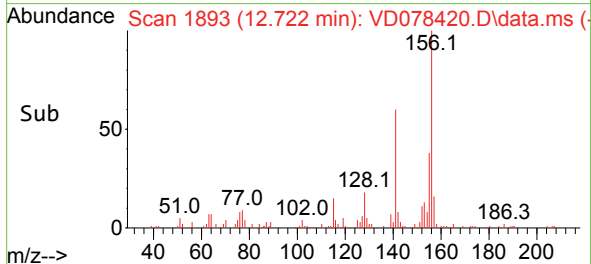
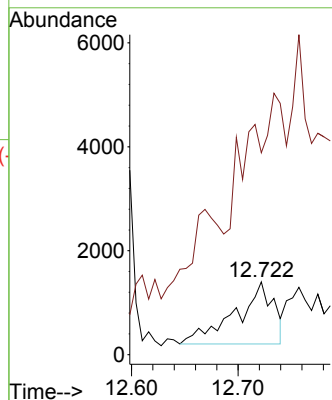
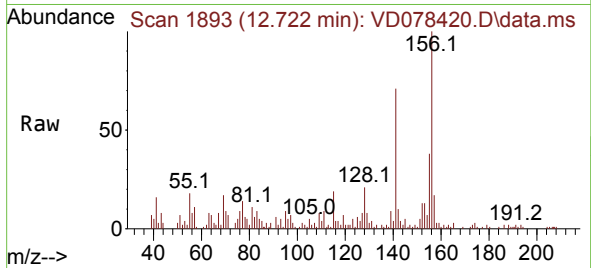




#76
1,2,3-Trichloropropane
Concen: 1.503 ug/l
RT: 12.722 min Scan# 1893
Delta R.T. -0.006 min
Lab File: VD078420.D
Acq: 14 Feb 2024 17:58

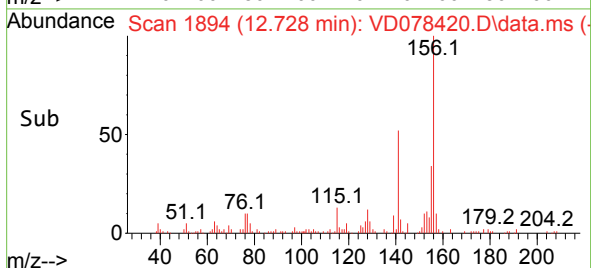
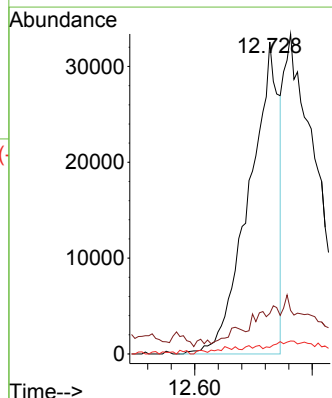
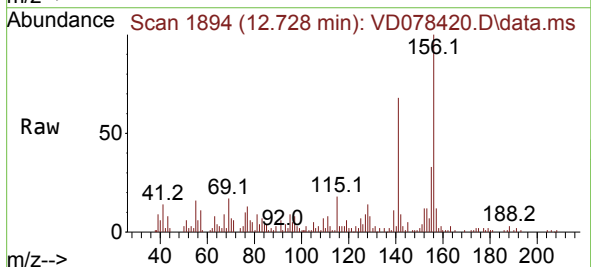
Instrument :
MSVOA_D
ClientSampleId :

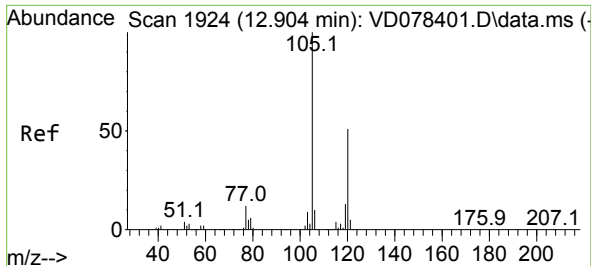
Tgt Ion: 75 Resp: 2969
Ion Ratio Lower Upper
75 100
77 204.5 0.0 0.0#



#77
Bromobenzene
Concen: 31.051 ug/l
RT: 12.728 min Scan# 1894
Delta R.T. 0.023 min
Lab File: VD078420.D
Acq: 14 Feb 2024 17:58

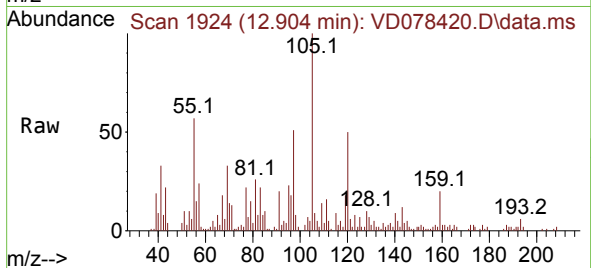
Tgt Ion:156 Resp: 114018
Ion Ratio Lower Upper
156 100
77 5.2 76.8 230.4#
158 0.0 48.6 145.9#



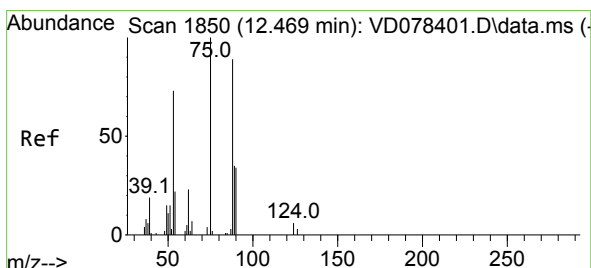
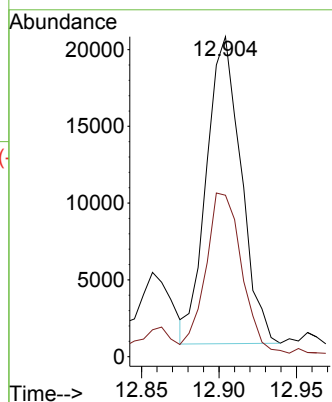
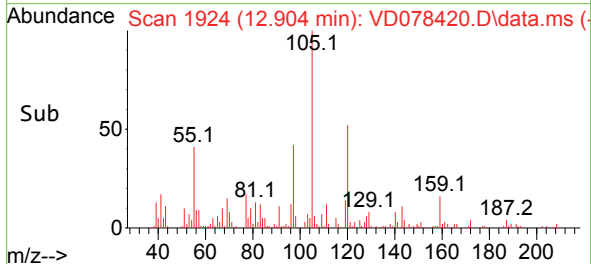


#80
1,3,5-Trimethylbenzene
Concen: 2.395 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. -0.000 min
Lab File: VD078420.D
Acq: 14 Feb 2024 17:58

Instrument :
MSVOA_D
ClientSampleId :

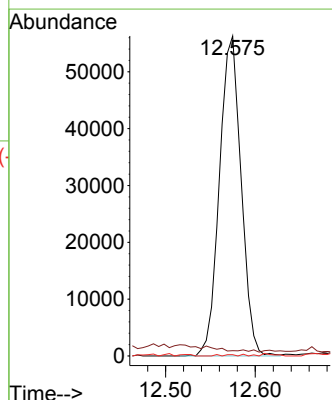
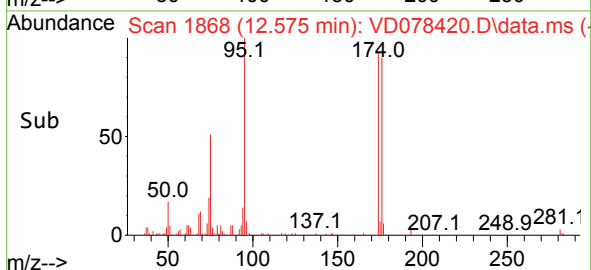
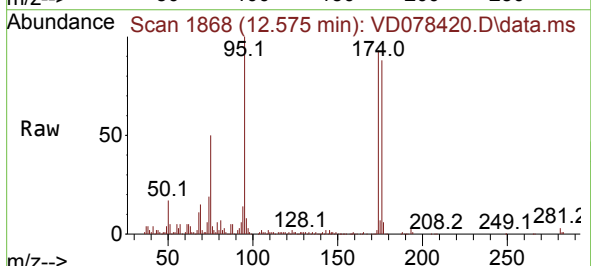


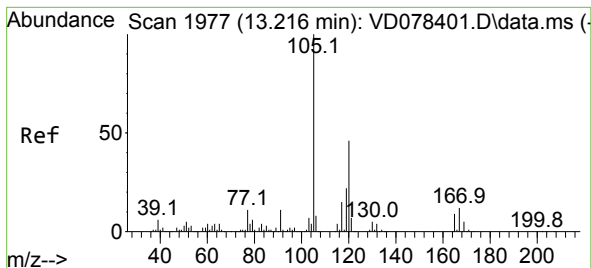
Tgt Ion:105 Resp: 31073
Ion Ratio Lower Upper
105 100
120 54.3 26.4 79.2



#81
trans-1,4-Dichloro-2-butene
Concen: 99.327 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078420.D
Acq: 14 Feb 2024 17:58

Tgt Ion: 75 Resp: 94512
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.2 37.9 56.9#





#84

1,2,4-Trimethylbenzene

Concen: 3.825 ug/l

RT: 13.063 min Scan# 1977

Delta R.T. -0.153 min

Lab File: VD078420.D

Acq: 14 Feb 2024 17:58

Instrument :

MSVOA_D

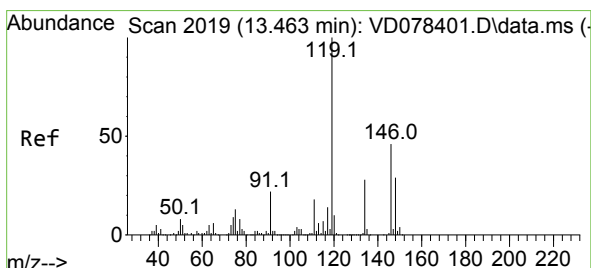
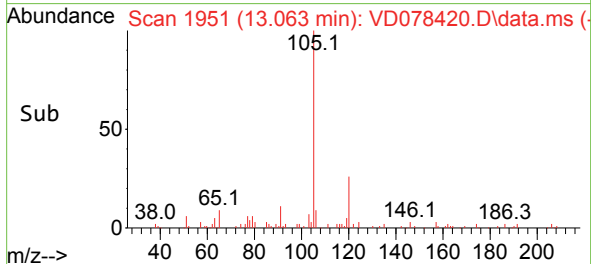
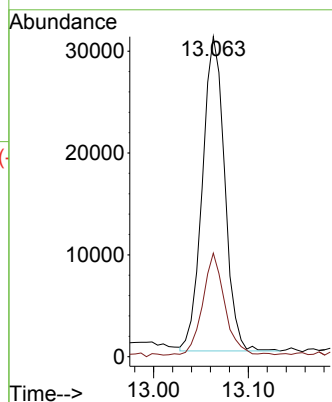
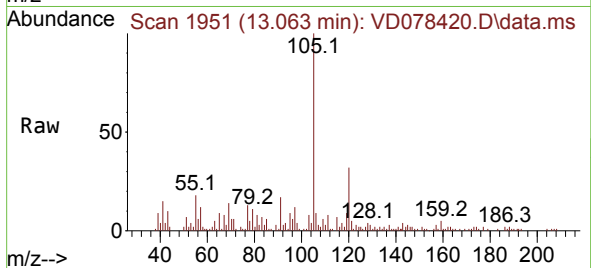
ClientSampleId :

Tgt Ion:105 Resp: 50362

Ion Ratio Lower Upper

105 100

120 32.0 24.3 72.9



#86

p-Isopropyltoluene

Concen: 1.928 ug/l

RT: 13.463 min Scan# 2019

Delta R.T. -0.000 min

Lab File: VD078420.D

Acq: 14 Feb 2024 17:58

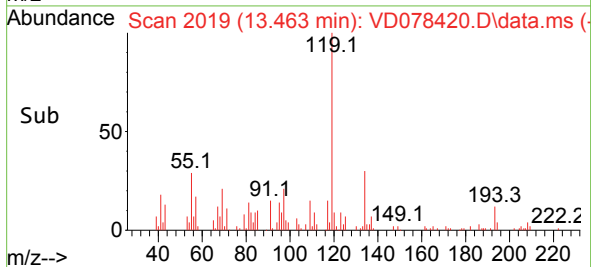
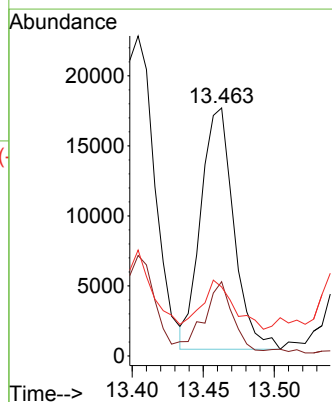
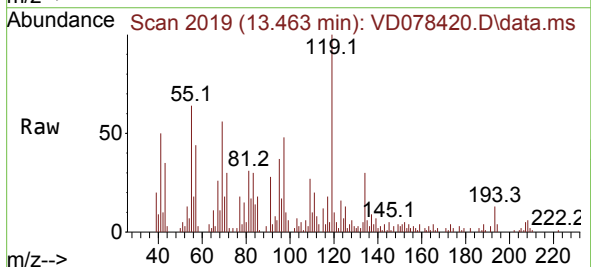
Tgt Ion:119 Resp: 27869

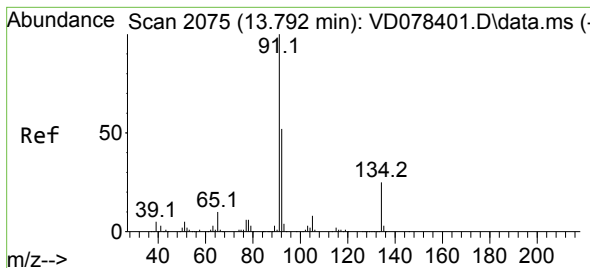
Ion Ratio Lower Upper

119 100

134 24.3 14.2 42.6

91 19.3 10.5 31.5





#89

n-Butylbenzene

Concen: 2.001 ug/l

RT: 13.751 min Scan# 2068

Delta R.T. -0.041 min

Lab File: VD078420.D

Acq: 14 Feb 2024 17:58

Instrument :

MSVOA_D

ClientSampleId :

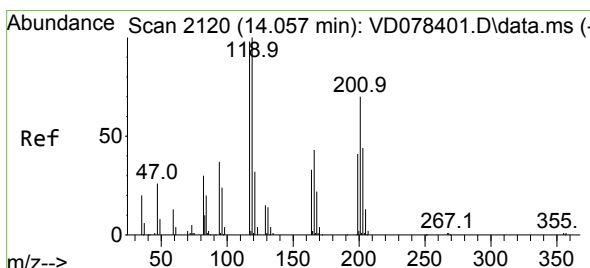
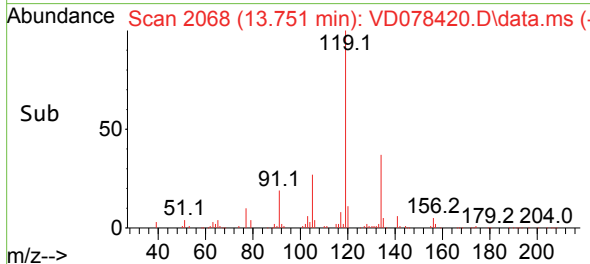
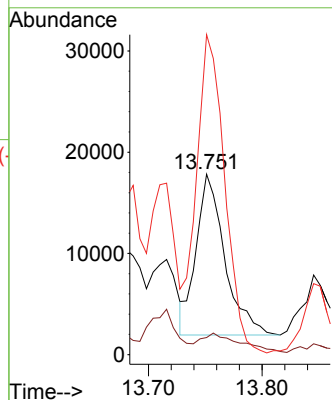
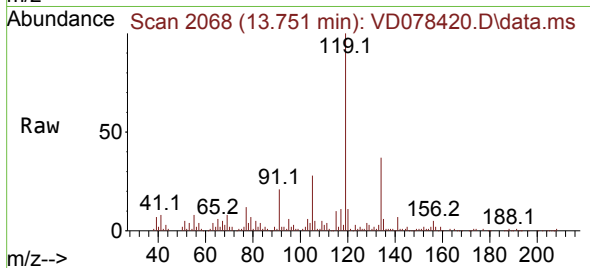
Tgt Ion: 91 Resp: 27869

Ion Ratio Lower Upper

91 100

92 16.1 26.5 79.5#

134 197.2 13.8 41.3#



#90

Hexachloroethane

Concen: 8.072 ug/l

RT: 14.063 min Scan# 2121

Delta R.T. 0.006 min

Lab File: VD078420.D

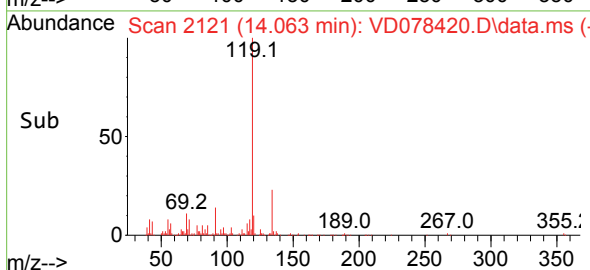
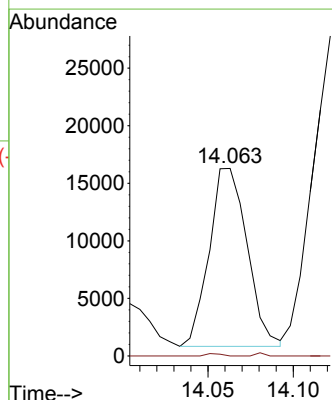
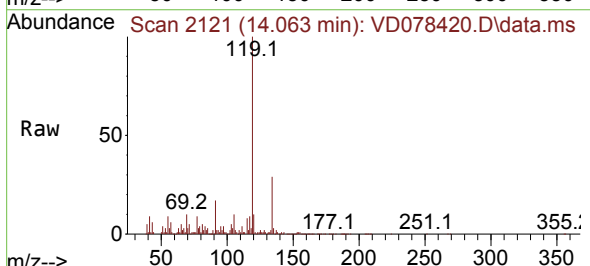
Acq: 14 Feb 2024 17:58

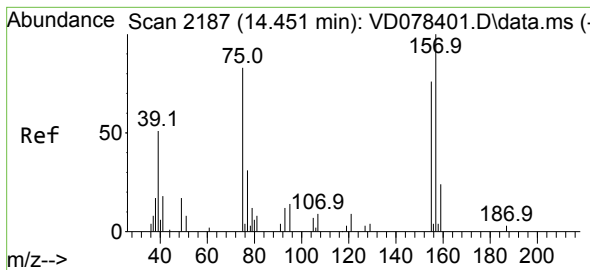
Tgt Ion: 117 Resp: 23979

Ion Ratio Lower Upper

117 100

201 0.5 38.5 115.5#

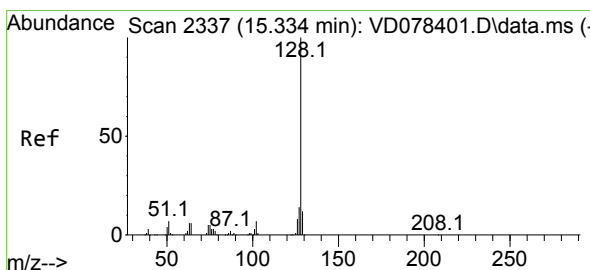
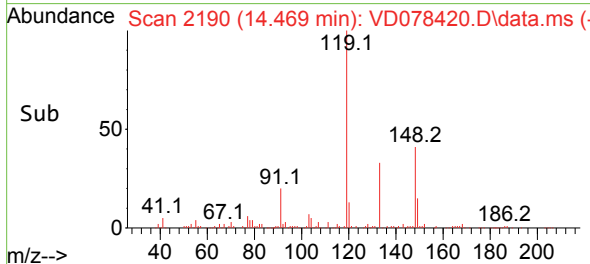
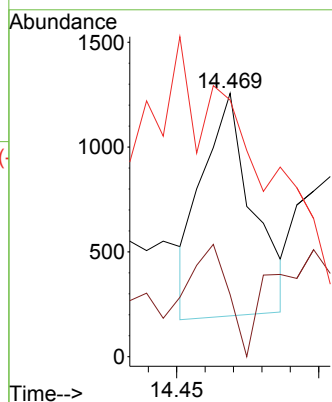
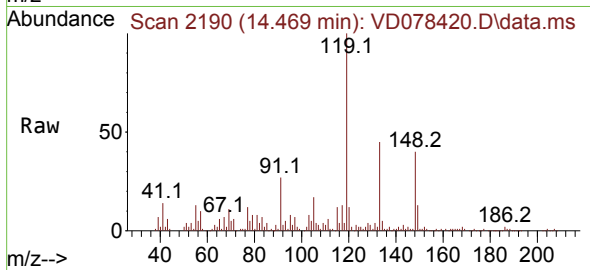




#92
1,2-Dibromo-3-Chloropropane
Concen: 3.226 ug/l
RT: 14.469 min Scan# 2187
Delta R.T. 0.018 min
Lab File: VD078420.D
Acq: 14 Feb 2024 17:58

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 1309
Ion Ratio Lower Upper
75 100
155 41.8 47.9 143.8#
157 373.4 59.9 179.7#



#95
Naphthalene
Concen: 1.983 ug/l
RT: 15.304 min Scan# 2332
Delta R.T. -0.030 min
Lab File: VD078420.D
Acq: 14 Feb 2024 17:58

Tgt Ion:128 Resp: 14226
Ion Ratio Lower Upper
128 100
127 50.9 10.5 15.7#
129 64.8 8.7 13.1#

