

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073124\
 Data File : VD079522.D
 Acq On : 01 Aug 2024 04:58
 Operator : RP/MD
 Sample : P3374-01
 Misc : 9.090G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 01 05:48:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:50:47 2024
 Response via : Initial Calibration

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

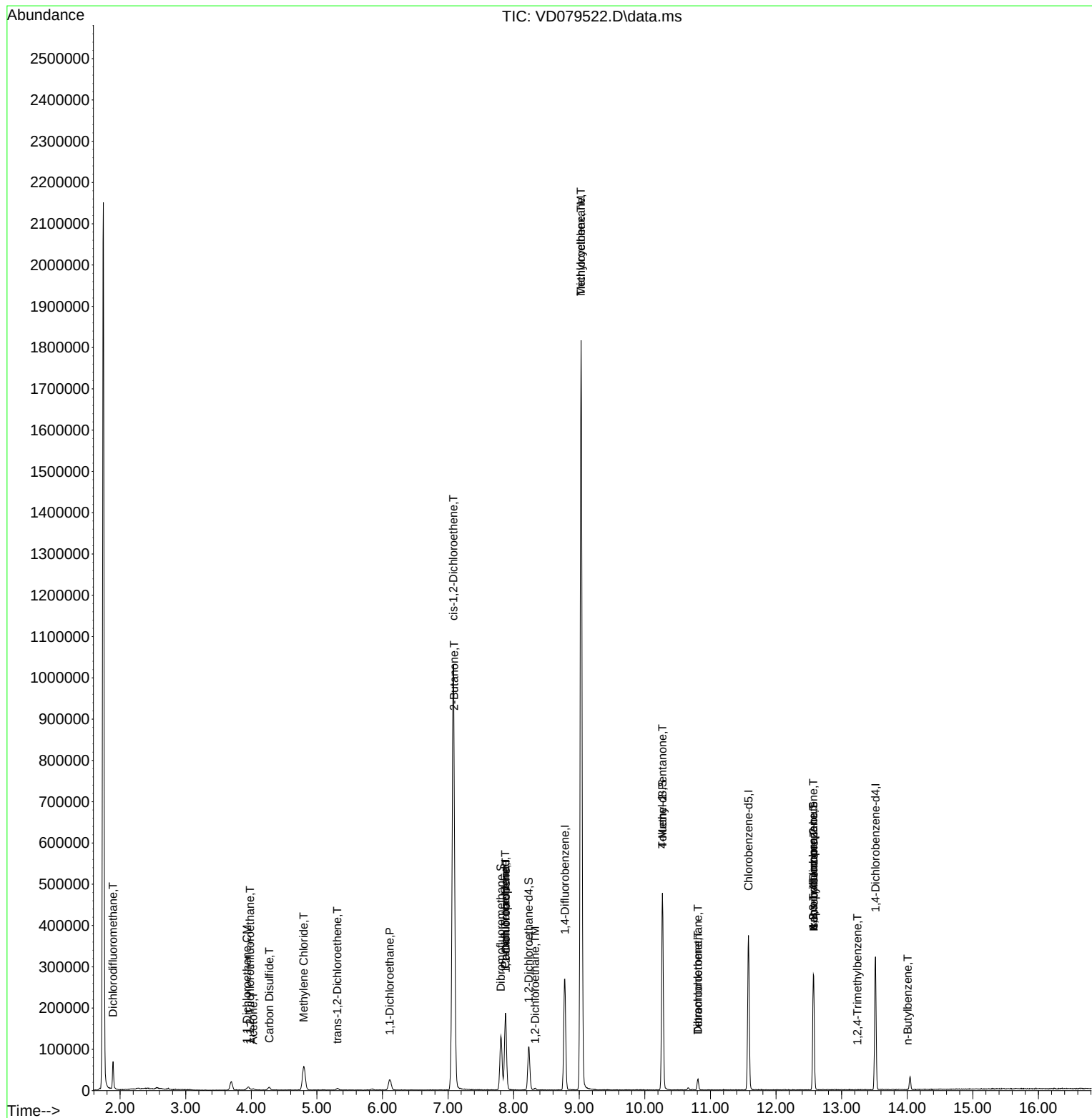
Internal Standards						
1) Pentafluorobenzene	7.875	168	144811	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	258138	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	227324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	90832	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	80745	54.886	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.780%	
35) Dibromofluoromethane	7.804	113	97711	55.924	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.840%	
50) Toluene-d8	10.269	98	341265	50.297	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.600%	
62) 4-Bromofluorobenzene	12.569	95	79588	40.535	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 81.060%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.893	85	7658	6.749	ug/l	84
5) Bromomethane	2.699	94	167	Below Cal		83
9) 1,1,2-Trichlorotrifluo...	3.981	101	3136	2.006	ug/l #	20
11) Tert butyl alcohol	5.316	59	56	Below Cal	#	86
12) 1,1-Dichloroethene	3.934	96	2217	1.417	ug/l	94
13) Acrolein	3.858	56	58	Below Cal	#	15
16) Acetone	4.028	43	4635	16.212	ug/l #	82
17) Carbon Disulfide	4.275	76	13878	2.687	ug/l #	93
20) Methylene Chloride	4.799	84	46228	9.716	ug/l	88
21) trans-1,2-Dichloroethene	5.310	96	2778	1.580	ug/l	94
24) 1,1-Dichloroethane	6.110	63	37283	12.102	ug/l	95
25) 2-Butanone	7.093	43	919	2.267	ug/l #	1
27) cis-1,2-Dichloroethene	7.081	96	684615	340.754	ug/l	99
36) 1,1-Dichloropropene	7.881	75	11156	4.678	ug/l #	46
38) Carbon Tetrachloride	7.875	117	14330	5.716	ug/l #	18
39) Methylcyclohexane	9.028	83	8607	3.025	ug/l #	1
42) 1,2-Dichloroethane	8.328	62	3558	1.971	ug/l	99
44) Trichloroethene	9.028	130	686337	364.006	ug/l	96
51) 4-Methyl-2-Pentanone	10.269	43	1339	1.427	ug/l #	1
60) Dibromochloromethane	10.810	129	5493	3.124	ug/l #	11
64) Tetrachloroethene	10.810	164	6337	4.134	ug/l	99
73) Isopropylbenzene	12.575	105	123	3.644	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	40446	50.942	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	40446	97.160	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.239	105	68	3.440	ug/l #	29
89) n-Butylbenzene	14.010	91	59	3.791	ug/l #	34

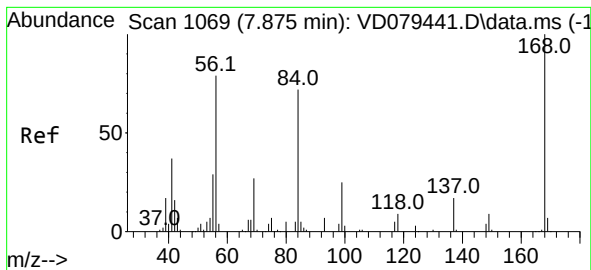
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:50:47 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 10

Delta R.T. -0.000 min

Lab File: VD079522.D

Acq: 01 Aug 2024 04:58

Instrument :

MSVOA_D

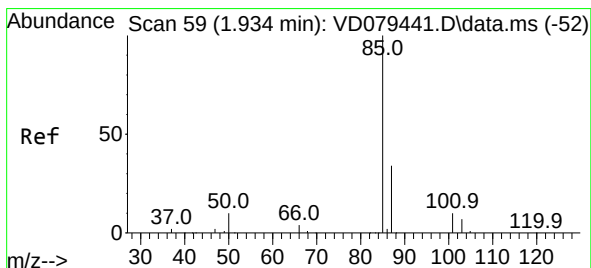
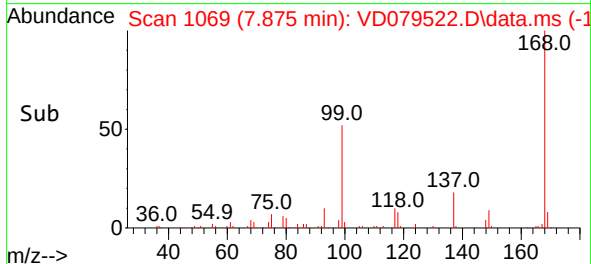
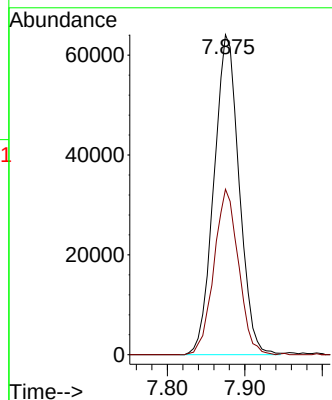
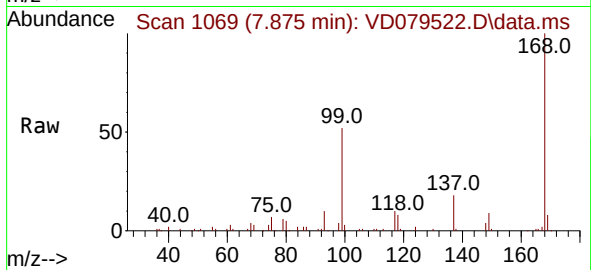
ClientSampleId :

Tgt Ion:168 Resp: 144811

Ion Ratio Lower Upper

168 100

99 51.7 41.1 61.7



#2

Dichlorodifluoromethane

Concen: 6.749 ug/l

RT: 1.893 min Scan# 52

Delta R.T. -0.035 min

Lab File: VD079522.D

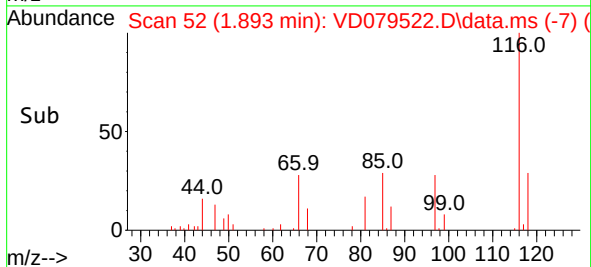
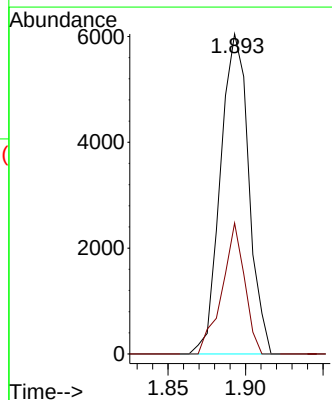
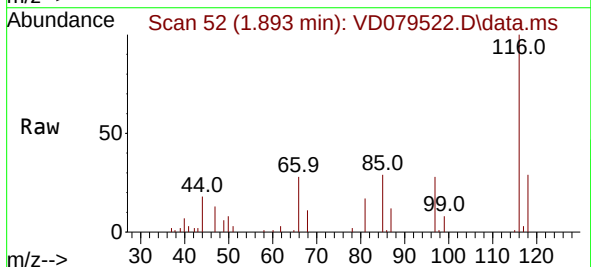
Acq: 01 Aug 2024 04:58

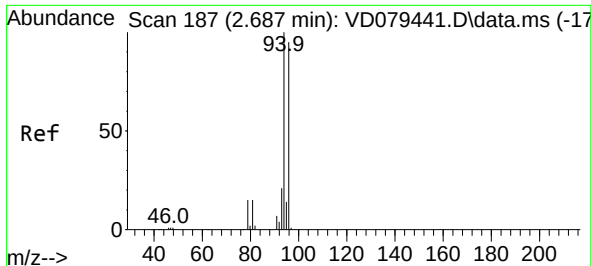
Tgt Ion: 85 Resp: 7658

Ion Ratio Lower Upper

85 100

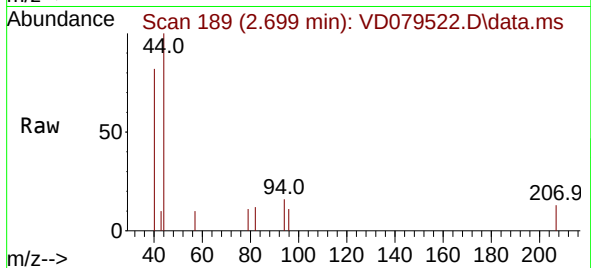
87 40.9 16.0 48.0



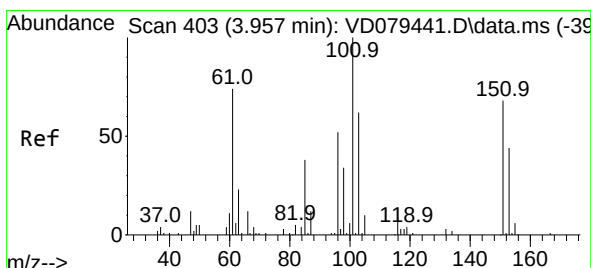
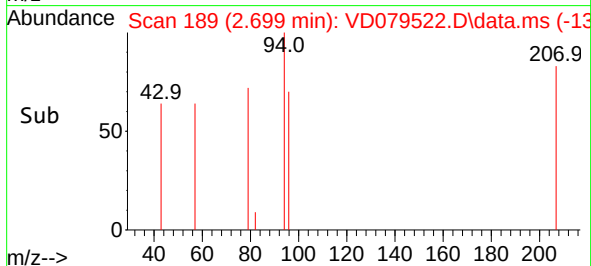
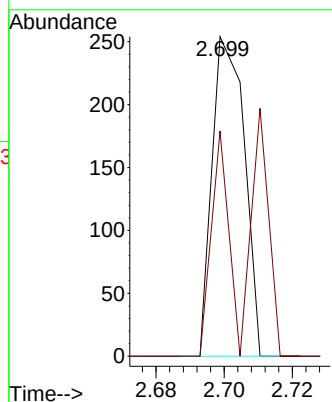


#5
Bromomethane
Concen: Below Cal
RT: 2.699 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD079522.D
Acq: 01 Aug 2024 04:58

Instrument :
MSVOA_D
ClientSampleId :

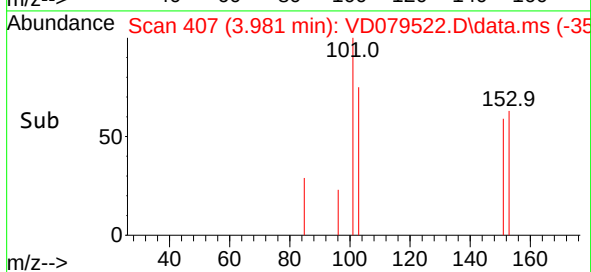
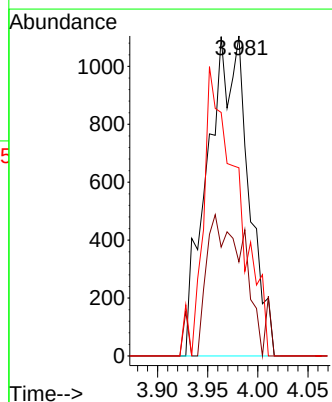
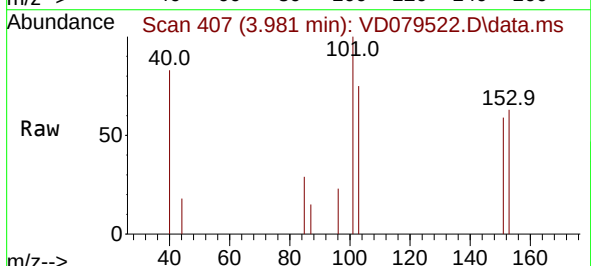


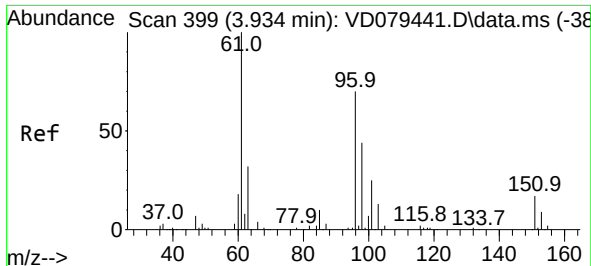
Tgt Ion: 94 Resp: 167
Ion Ratio Lower Upper
94 100
96 79.6 76.9 115.3



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.006 ug/l
RT: 3.981 min Scan# 407
Delta R.T. 0.017 min
Lab File: VD079522.D
Acq: 01 Aug 2024 04:58

Tgt Ion: 101 Resp: 3136
Ion Ratio Lower Upper
101 100
85 0.0 33.5 50.3#
151 0.0 60.3 90.5#

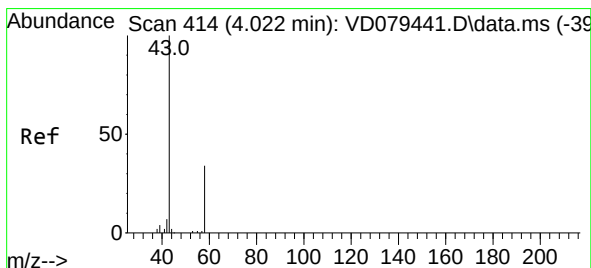
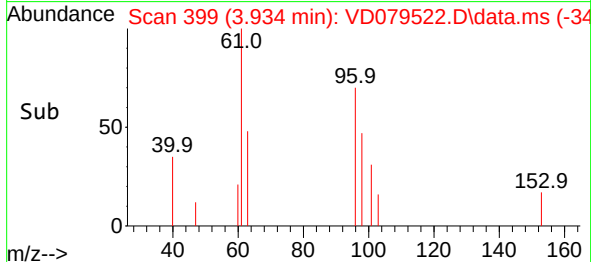
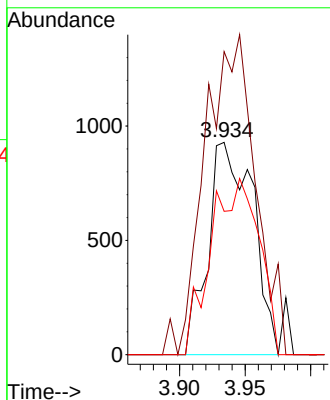
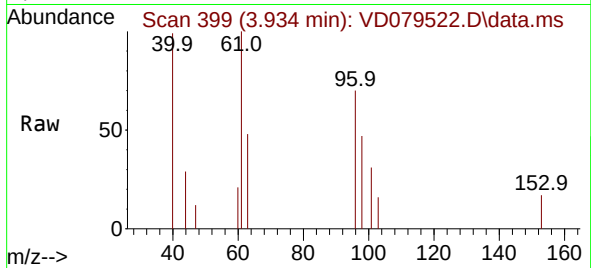




#12
1,1-Dichloroethene
Concen: 1.417 ug/l
RT: 3.934 min Scan# 399
Delta R.T. 0.006 min
Lab File: VD079522.D
Acq: 01 Aug 2024 04:58

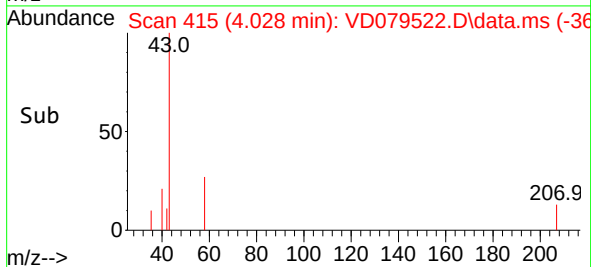
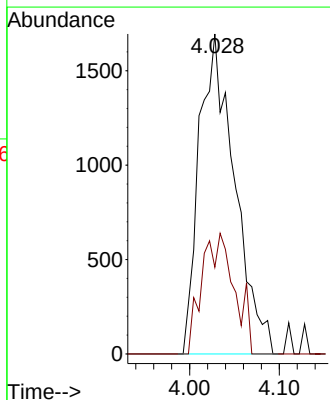
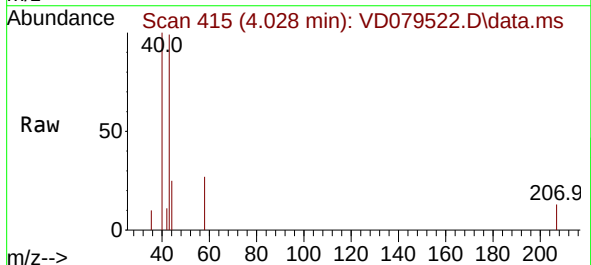
Instrument :
MSVOA_D
ClientSampleId :

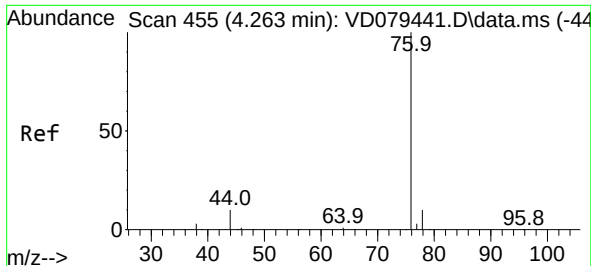
Tgt Ion: 96 Resp: 2217
Ion Ratio Lower Upper
96 100
61 142.7 107.3 160.9
98 67.5 51.7 77.5



#16
Acetone
Concen: 16.212 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD079522.D
Acq: 01 Aug 2024 04:58

Tgt Ion: 43 Resp: 4635
Ion Ratio Lower Upper
43 100
58 27.1 30.4 45.6#





#17

Carbon Disulfide

Concen: 2.687 ug/l

RT: 4.275 min Scan# 455

Delta R.T. 0.012 min

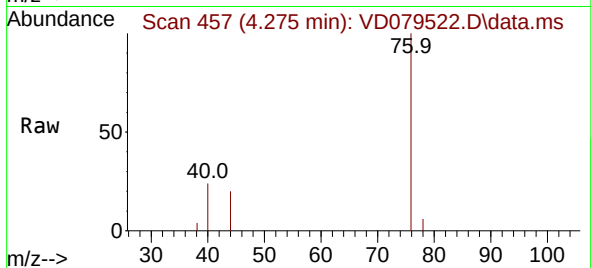
Lab File: VD079522.D

Acq: 01 Aug 2024 04:58

Instrument :

MSVOA_D

ClientSampleId :

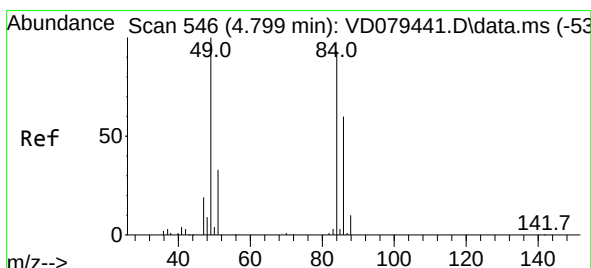
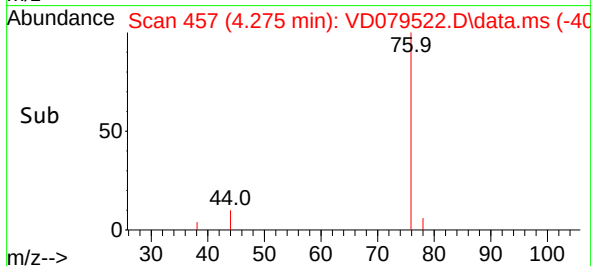
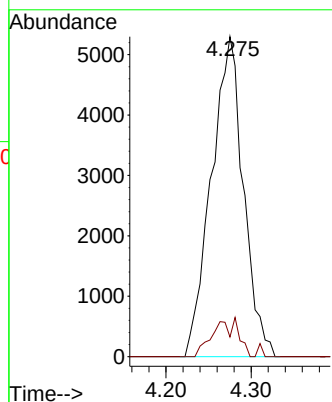


Tgt Ion: 76 Resp: 13878

Ion Ratio Lower Upper

76 100

78 6.2 6.9 10.3#



#20

Methylene Chloride

Concen: 9.716 ug/l

RT: 4.799 min Scan# 546

Delta R.T. -0.000 min

Lab File: VD079522.D

Acq: 01 Aug 2024 04:58

Tgt Ion: 84 Resp: 46228

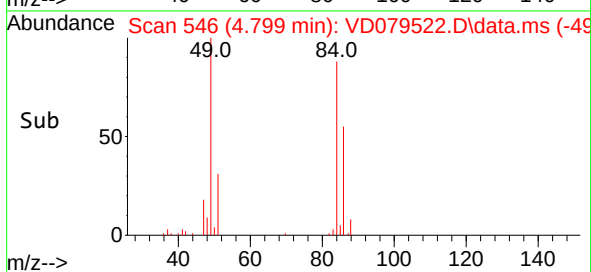
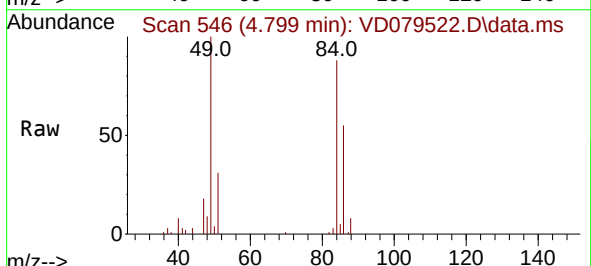
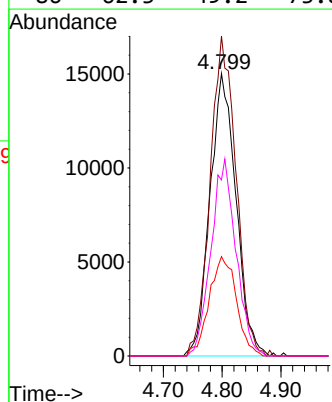
Ion Ratio Lower Upper

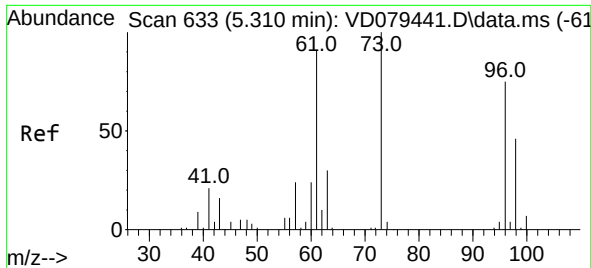
84 100

49 113.3 75.6 113.4

51 35.2 24.2 36.2

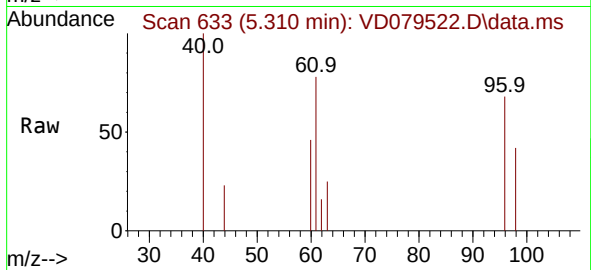
86 62.3 49.2 73.8





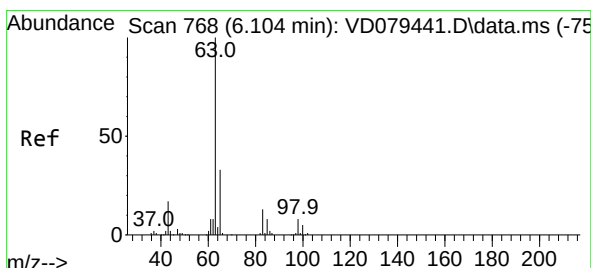
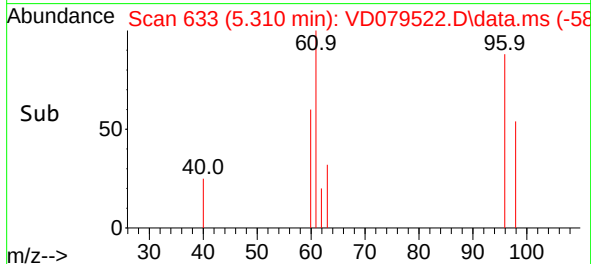
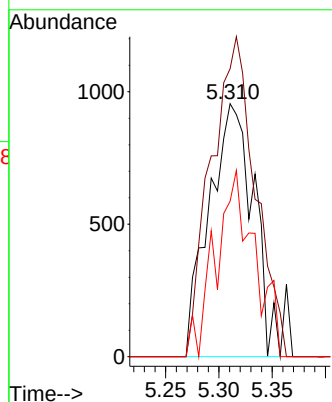
#21
trans-1,2-Dichloroethene
Concen: 1.580 ug/l
RT: 5.310 min Scan# 611
Delta R.T. -0.000 min
Lab File: VD079522.D
Acq: 01 Aug 2024 04:58

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 96 Resp: 2778

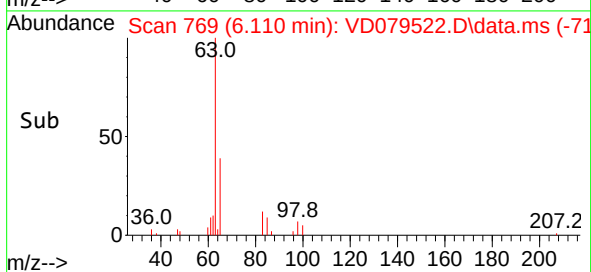
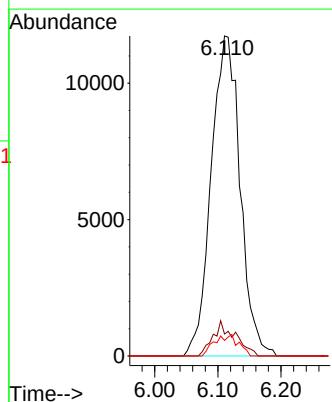
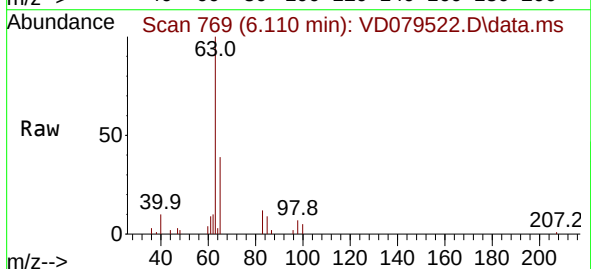
Ion	Ratio	Lower	Upper
96	100		
61	113.8	84.5	126.7
98	61.5	50.5	75.7

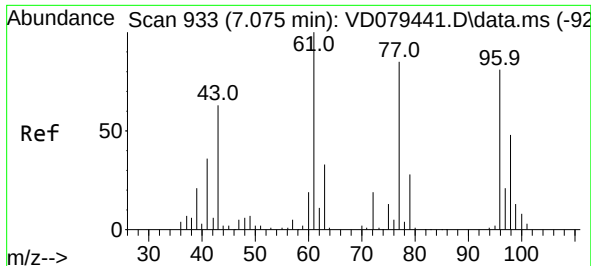


#24
1,1-Dichloroethane
Concen: 12.102 ug/l
RT: 6.110 min Scan# 769
Delta R.T. 0.006 min
Lab File: VD079522.D
Acq: 01 Aug 2024 04:58

Tgt Ion: 63 Resp: 37283

Ion	Ratio	Lower	Upper
63	100		
98	6.9	4.7	14.0
100	4.8	2.9	8.6

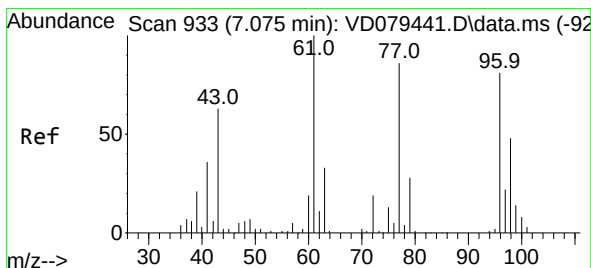
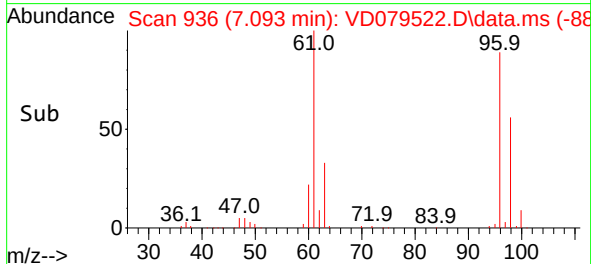
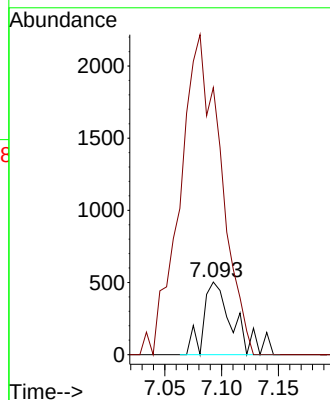
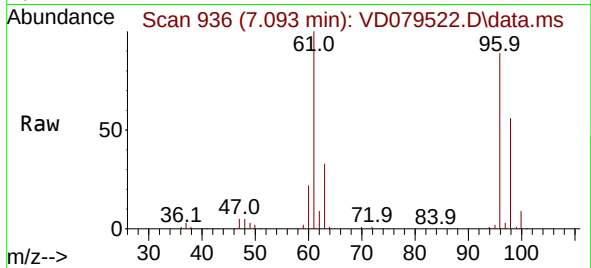




#25
2-Butanone
Concen: 2.267 ug/l
RT: 7.093 min Scan# 919
Delta R.T. -0.000 min
Lab File: VD079522.D
Acq: 01 Aug 2024 04:58

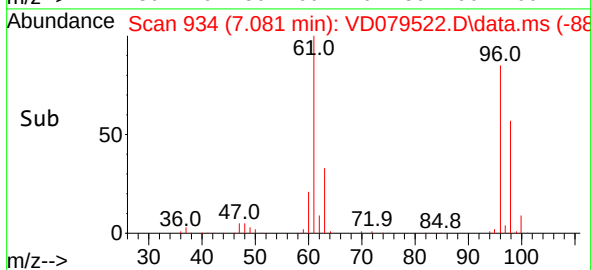
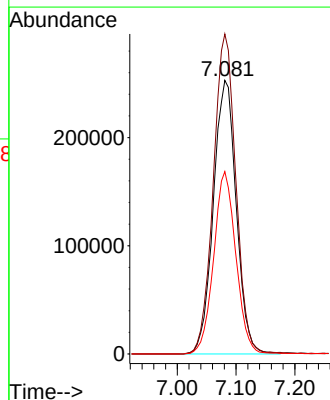
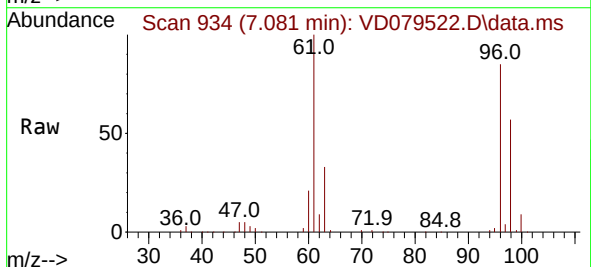
Instrument :
MSVOA_D
ClientSampleId :

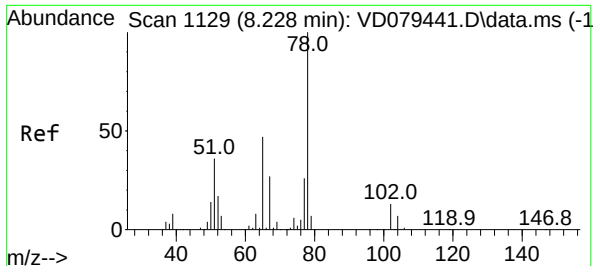
Tgt Ion: 43 Resp: 919
Ion Ratio Lower Upper
43 100
72 367.8 26.4 39.6#



#27
cis-1,2-Dichloroethene
Concen: 340.754 ug/l
RT: 7.081 min Scan# 934
Delta R.T. 0.006 min
Lab File: VD079522.D
Acq: 01 Aug 2024 04:58

Tgt Ion: 96 Resp: 684615
Ion Ratio Lower Upper
96 100
61 114.9 0.0 229.0
98 64.6 0.0 127.2





#33

1,2-Dichloroethane-d4

Concen: 54.886 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD079522.D

Acq: 01 Aug 2024 04:58

Instrument :

MSVOA_D

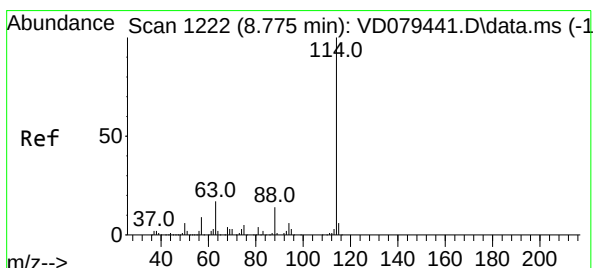
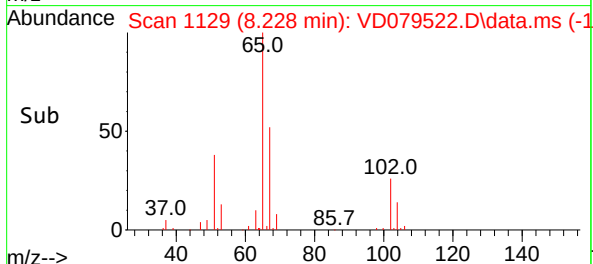
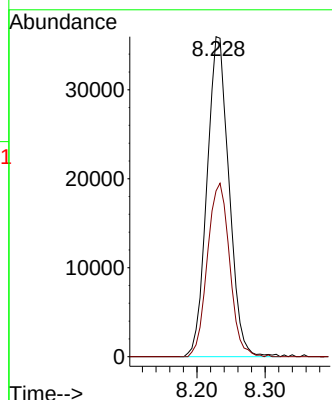
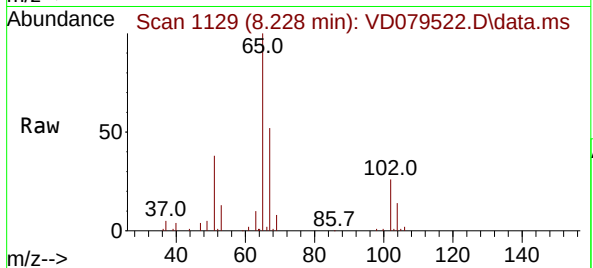
ClientSampleId :

Tgt Ion: 65 Resp: 80745

Ion Ratio Lower Upper

65 100

67 54.7 0.0 111.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD079522.D

Acq: 01 Aug 2024 04:58

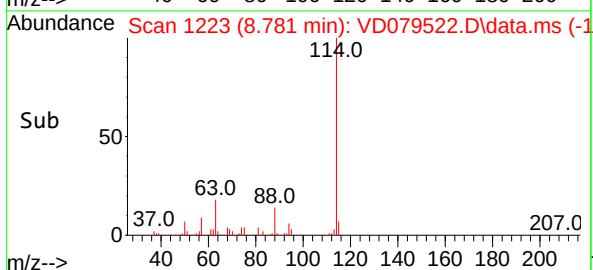
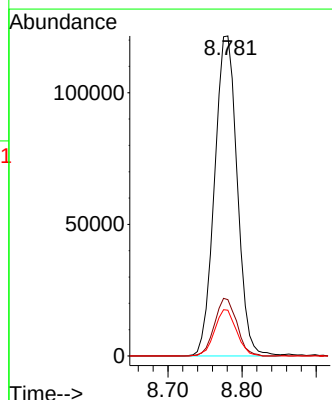
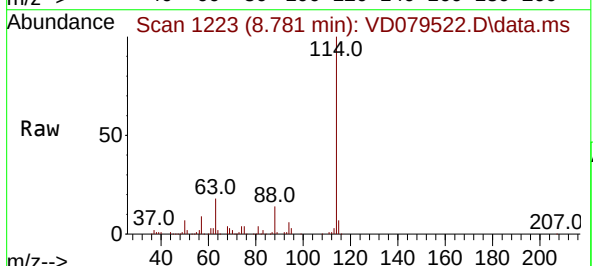
Tgt Ion: 114 Resp: 258138

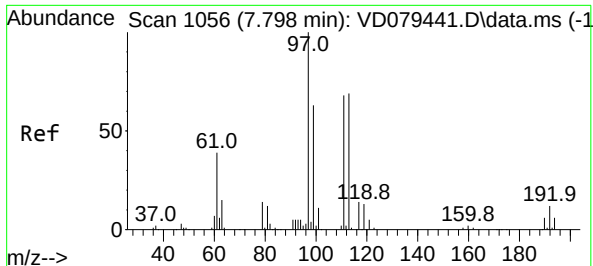
Ion Ratio Lower Upper

114 100

63 17.6 0.0 34.0

88 14.3 0.0 27.2





#35

Dibromofluoromethane

Concen: 55.924 ug/l

RT: 7.804 min Scan# 1070

Delta R.T. -0.000 min

Lab File: VD079522.D

Acq: 01 Aug 2024 04:58

Instrument :

MSVOA_D

ClientSampleId :

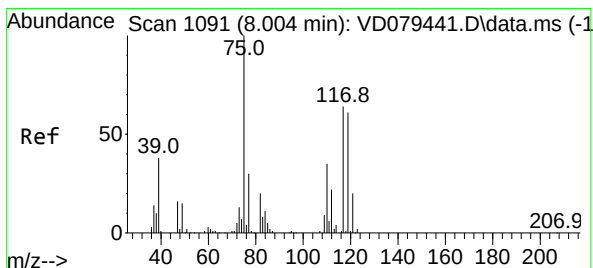
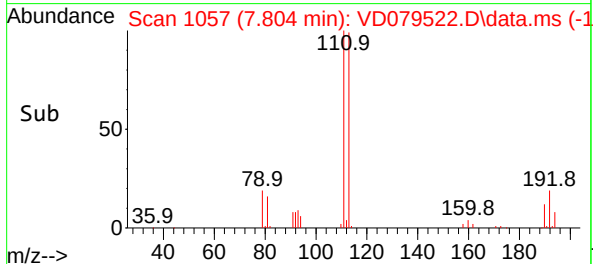
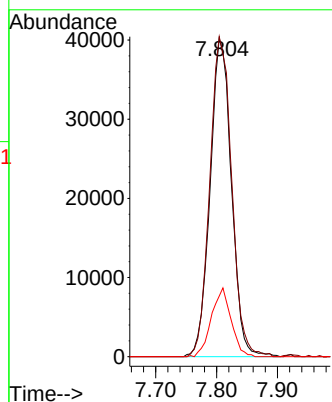
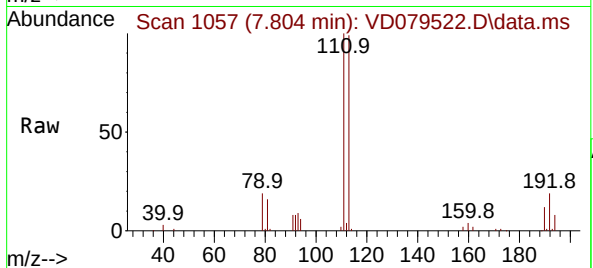
Tgt Ion:113 Resp: 97711

Ion Ratio Lower Upper

113 100

111 103.3 84.0 126.0

192 20.0 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.678 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.130 min

Lab File: VD079522.D

Acq: 01 Aug 2024 04:58

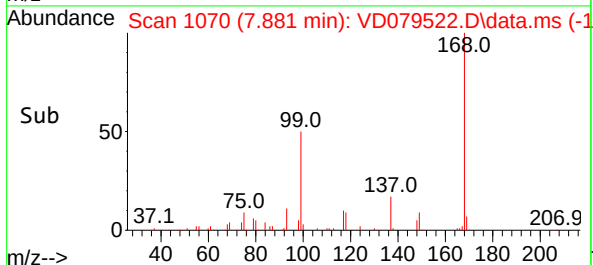
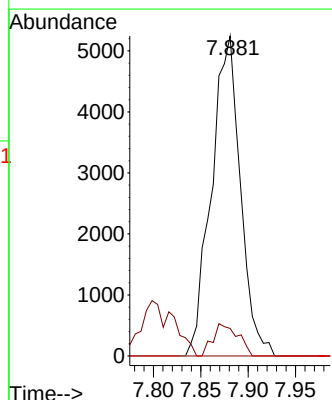
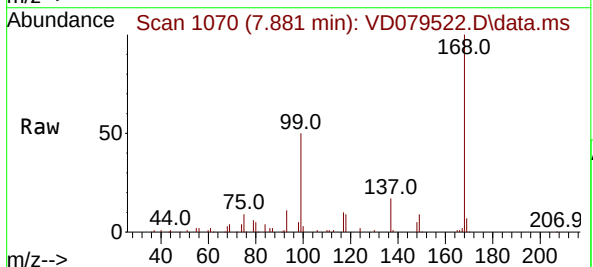
Tgt Ion: 75 Resp: 11156

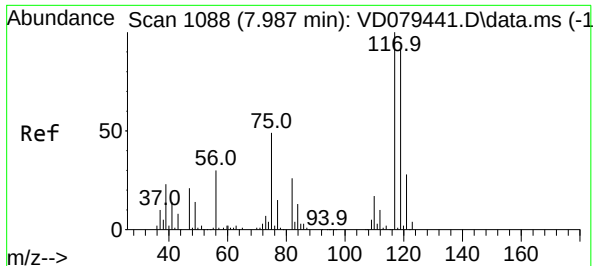
Ion Ratio Lower Upper

75 100

110 8.7 19.6 58.7#

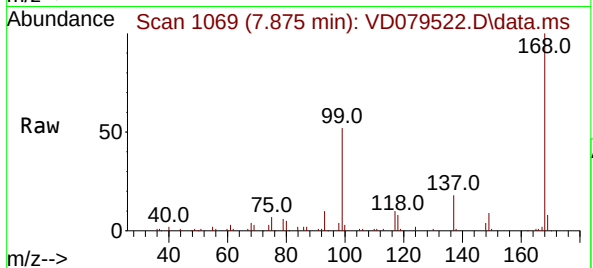
77 0.0 26.1 39.1#



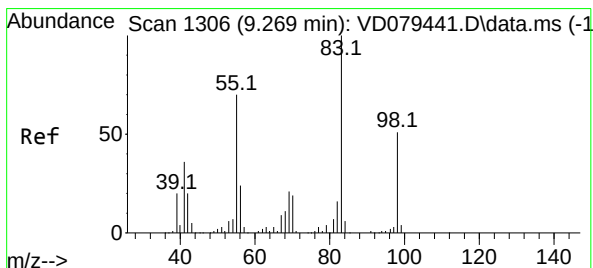
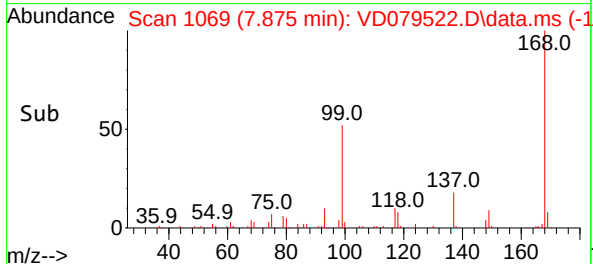
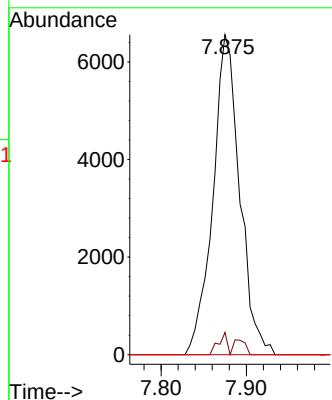


#38
Carbon Tetrachloride
Concen: 5.716 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.112 min
Lab File: VD079522.D
Acq: 01 Aug 2024 04:58

Instrument :
MSVOA_D
ClientSampleId :

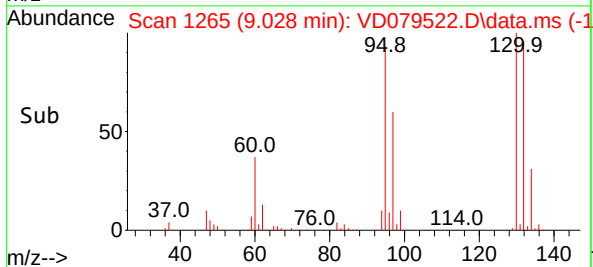
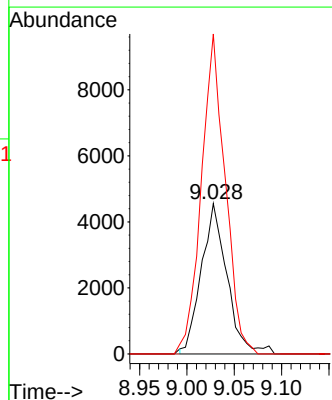
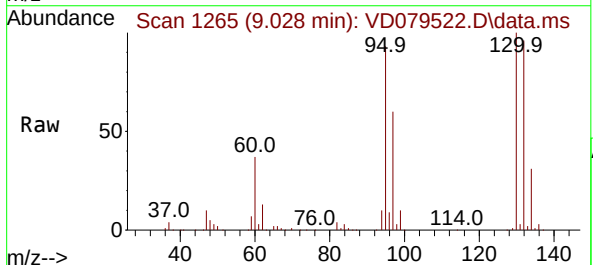


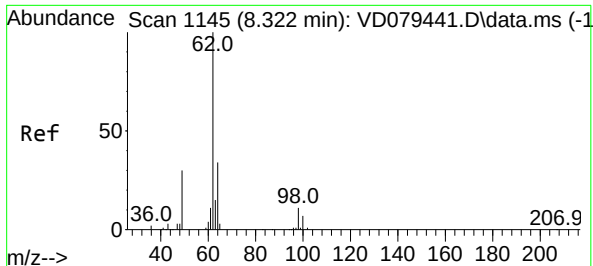
Tgt Ion:117 Resp: 14330
Ion Ratio Lower Upper
117 100
119 6.9 75.4 113.0#
121 0.0 25.0 37.4#



#39
Methylcyclohexane
Concen: 3.025 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. -0.247 min
Lab File: VD079522.D
Acq: 01 Aug 2024 04:58

Tgt Ion: 83 Resp: 8607
Ion Ratio Lower Upper
83 100
55 0.0 50.1 75.1#
98 212.8 41.9 62.9#





#42

1,2-Dichloroethane

Concen: 1.971 ug/l

RT: 8.328 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VD079522.D

Acq: 01 Aug 2024 04:58

Instrument :

MSVOA_D

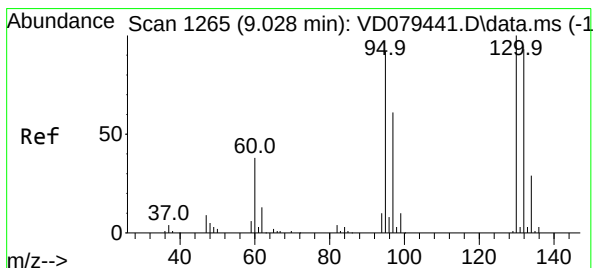
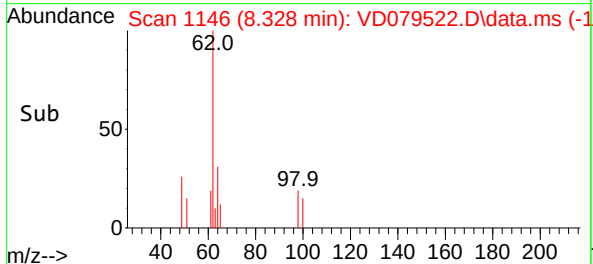
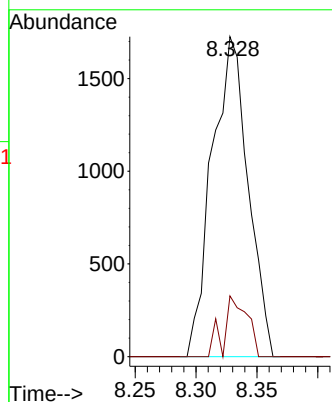
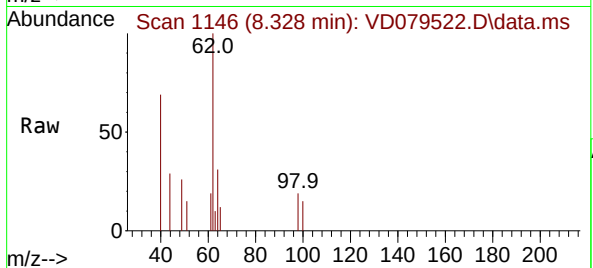
ClientSampleId :

Tgt Ion: 62 Resp: 3558

Ion Ratio Lower Upper

62 100

98 12.3 0.0 25.8



#44

Trichloroethene

Concen: 364.006 ug/l

RT: 9.028 min Scan# 1265

Delta R.T. -0.000 min

Lab File: VD079522.D

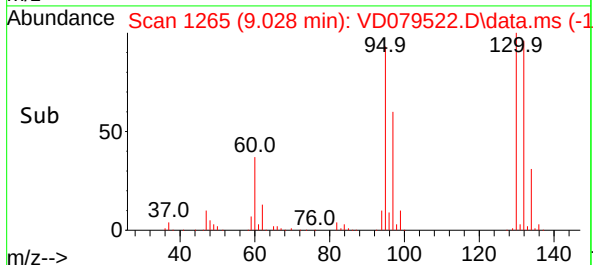
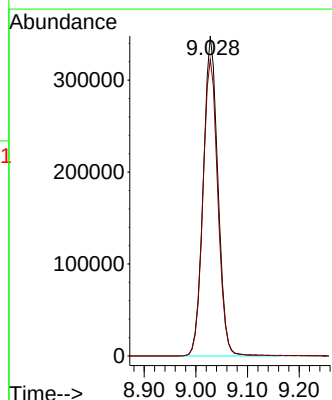
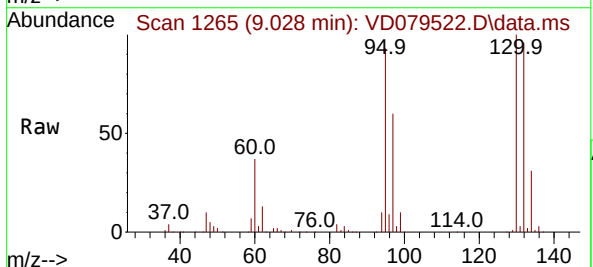
Acq: 01 Aug 2024 04:58

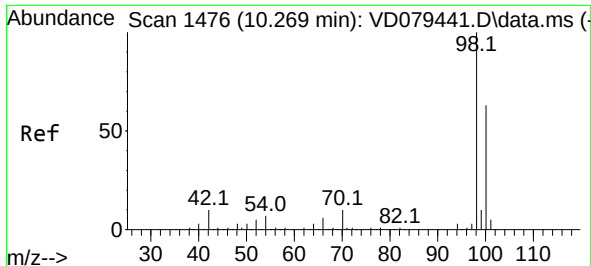
Tgt Ion:130 Resp: 686337

Ion Ratio Lower Upper

130 100

95 92.6 0.0 177.8

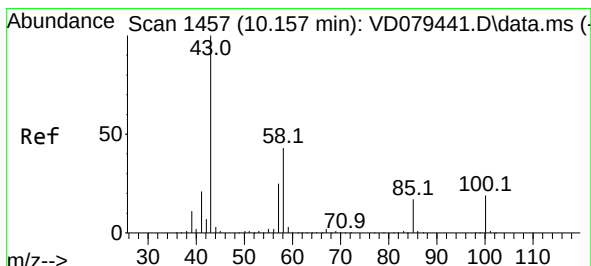
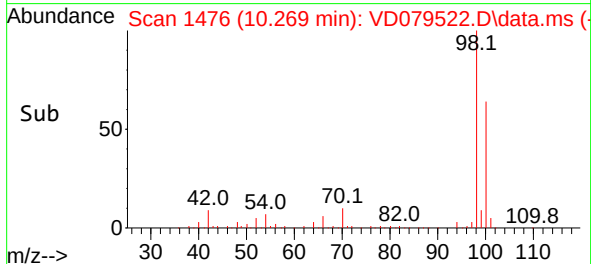
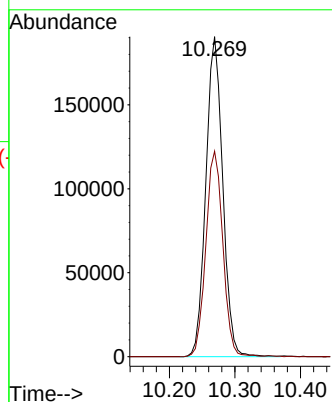
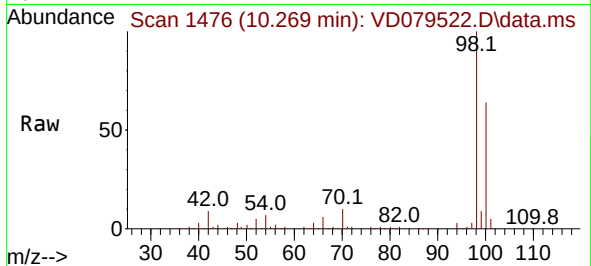




#50
Toluene-d8
Concen: 50.297 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079522.D
Acq: 01 Aug 2024 04:58

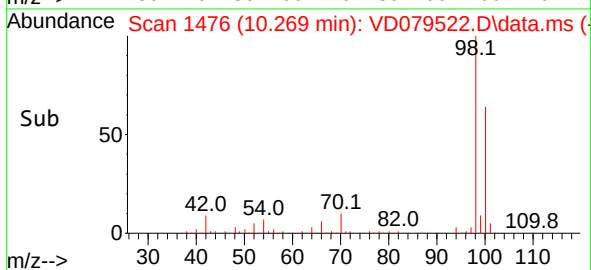
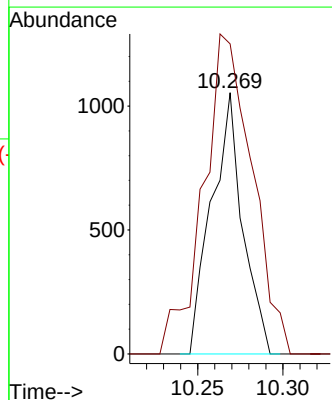
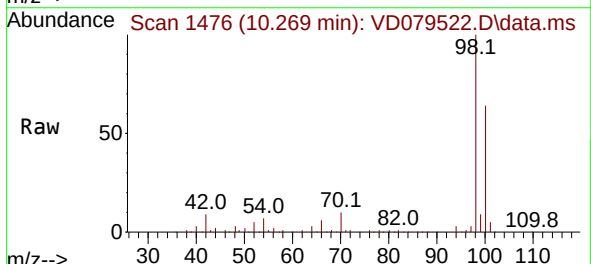
Instrument :
MSVOA_D
ClientSampleId :

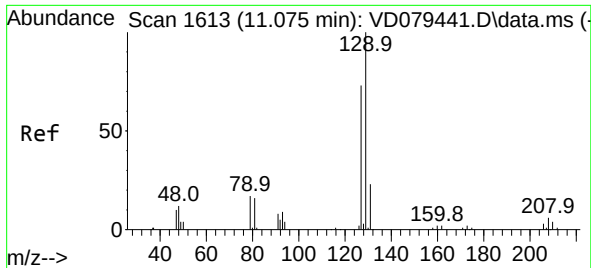
Tgt Ion: 98 Resp: 341265
Ion Ratio Lower Upper
98 100
100 64.7 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.427 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.112 min
Lab File: VD079522.D
Acq: 01 Aug 2024 04:58

Tgt Ion: 43 Resp: 1339
Ion Ratio Lower Upper
43 100
58 191.4 36.6 55.0#

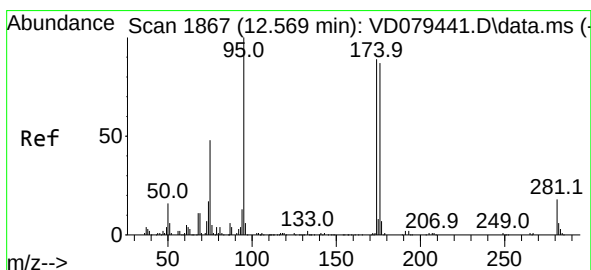
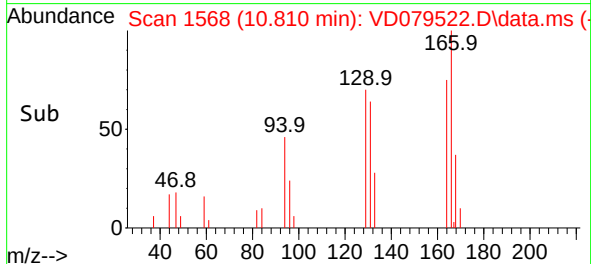
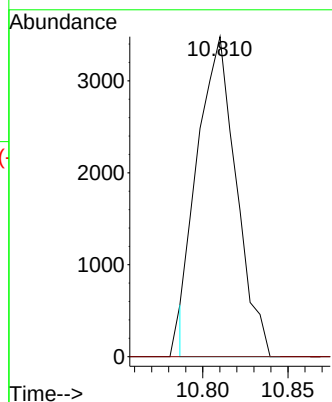
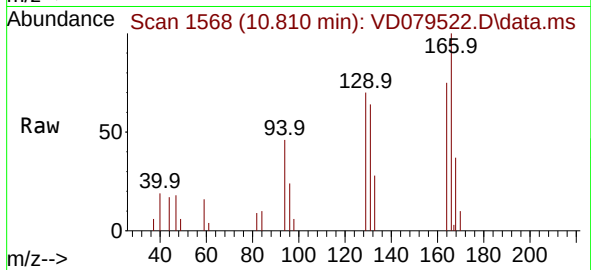




#60
Dibromochloromethane
Concen: 3.124 ug/l
RT: 10.810 min Scan# 11
Delta R.T. -0.259 min
Lab File: VD079522.D
Acq: 01 Aug 2024 04:58

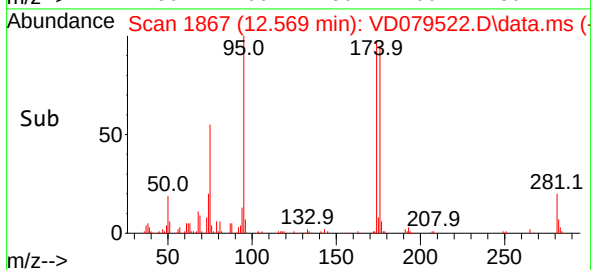
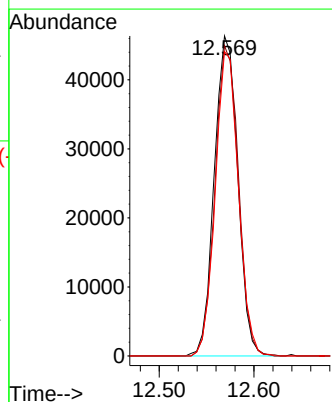
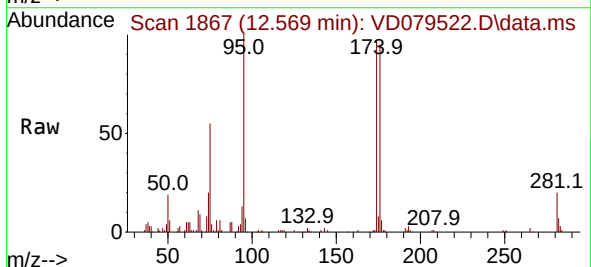
Instrument :
MSVOA_D
ClientSampleId :

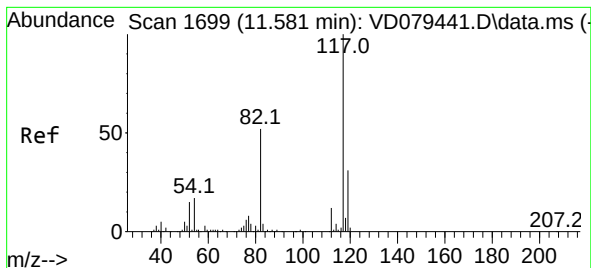
Tgt Ion:129 Resp: 5493
Ion Ratio Lower Upper
129 100
127 0.0 38.0 113.9#



#62
4-Bromofluorobenzene
Concen: 40.535 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079522.D
Acq: 01 Aug 2024 04:58

Tgt Ion: 95 Resp: 79588
Ion Ratio Lower Upper
95 100
174 97.3 0.0 195.4
176 94.1 0.0 192.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

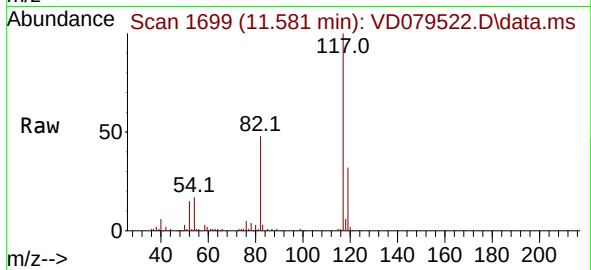
Lab File: VD079522.D

Acq: 01 Aug 2024 04:58

Instrument :

MSVOA_D

ClientSampleId :



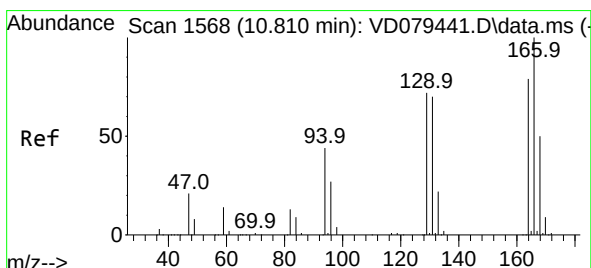
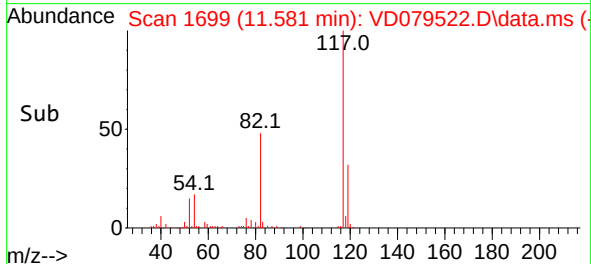
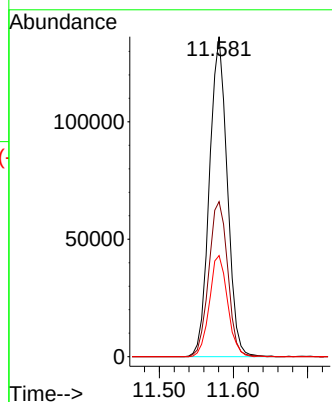
Tgt Ion:117 Resp: 227324

Ion Ratio Lower Upper

117 100

82 48.5 39.8 59.6

119 31.6 25.7 38.5



#64

Tetrachloroethene

Concen: 4.134 ug/l

RT: 10.810 min Scan# 1568

Delta R.T. -0.000 min

Lab File: VD079522.D

Acq: 01 Aug 2024 04:58

Tgt Ion:164 Resp: 6337

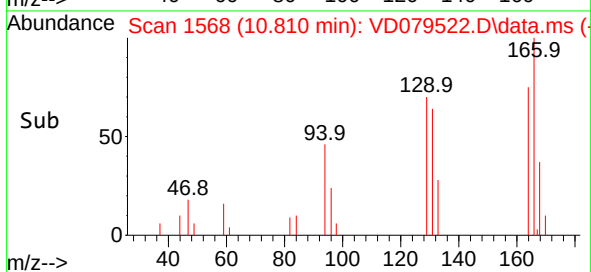
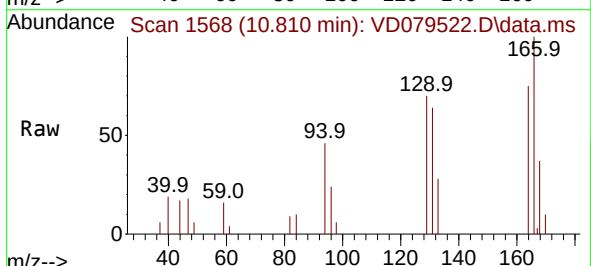
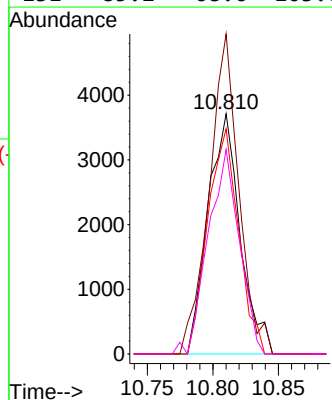
Ion Ratio Lower Upper

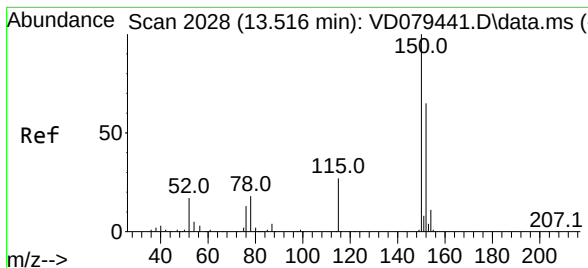
164 100

166 133.2 108.6 163.0

129 93.7 74.6 112.0

131 85.2 68.6 103.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. 0.006 min

Lab File: VD079522.D

Acq: 01 Aug 2024 04:58

Instrument :

MSVOA_D

ClientSampleId :

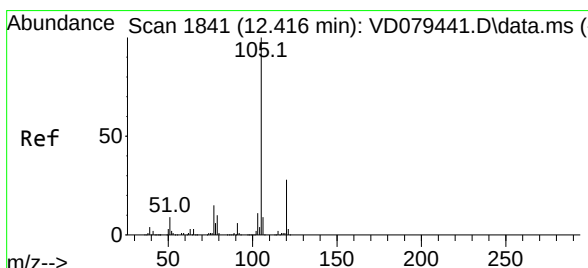
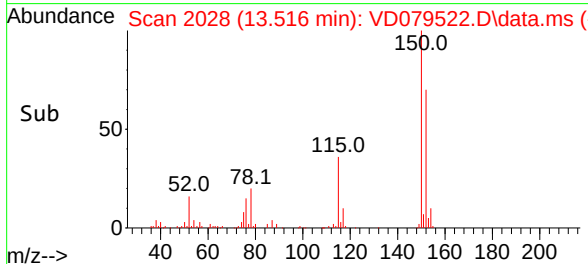
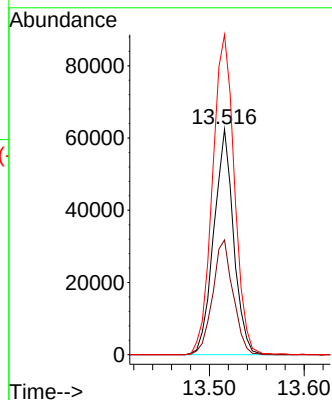
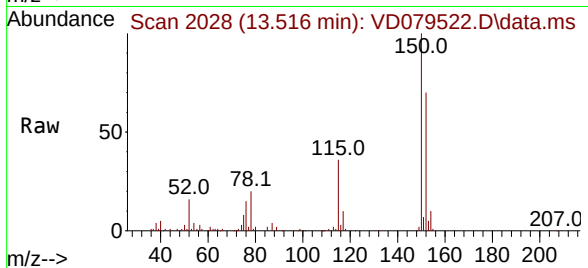
Tgt Ion:152 Resp: 90832

Ion Ratio Lower Upper

152 100

115 52.4 26.5 79.5

150 156.6 0.0 341.6



#73

Isopropylbenzene

Concen: 3.644 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.159 min

Lab File: VD079522.D

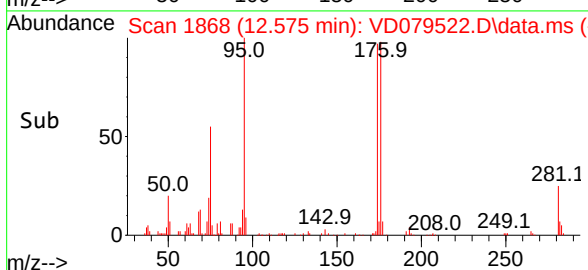
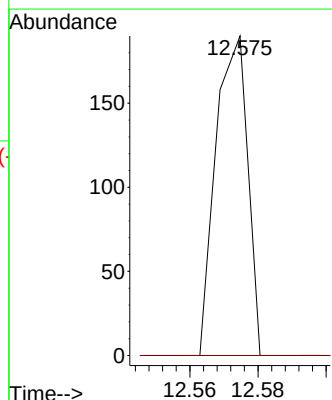
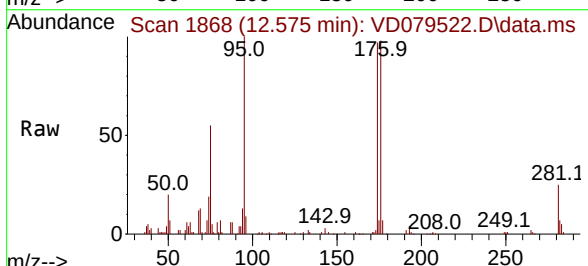
Acq: 01 Aug 2024 04:58

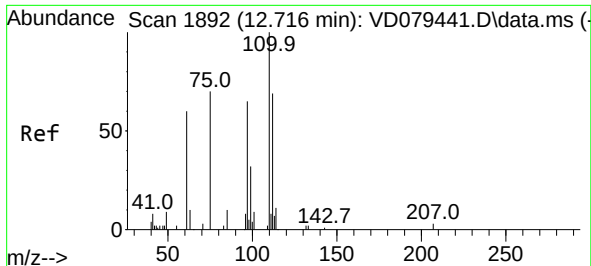
Tgt Ion:105 Resp: 123

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#

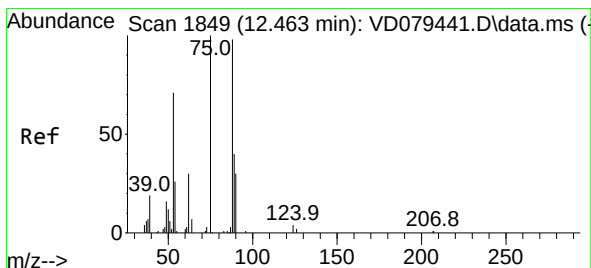
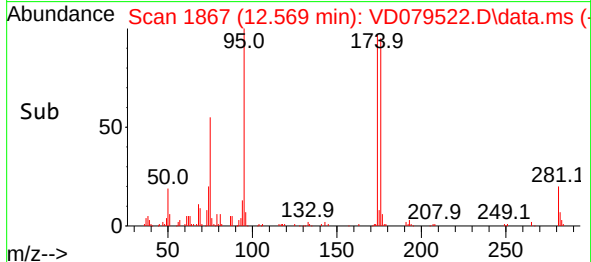
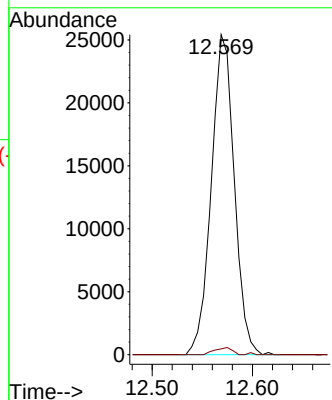
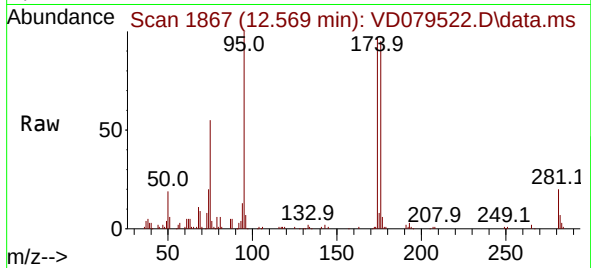




#76
1,2,3-Trichloropropane
Concen: 50.942 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079522.D
Acq: 01 Aug 2024 04:58

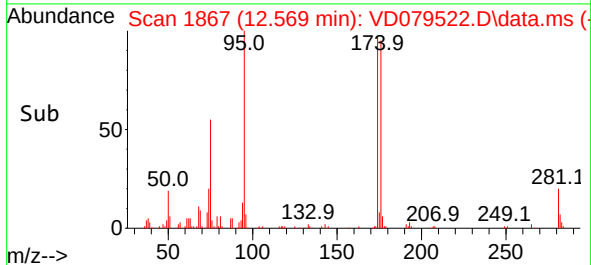
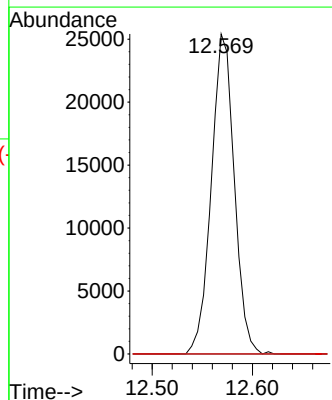
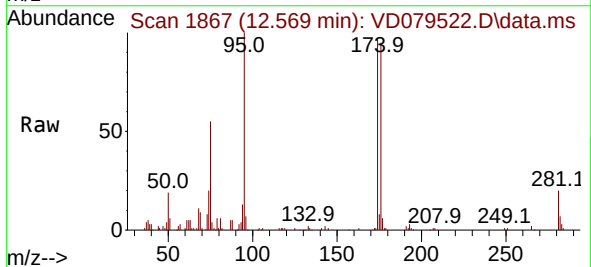
Instrument :
MSVOA_D
ClientSampleId :

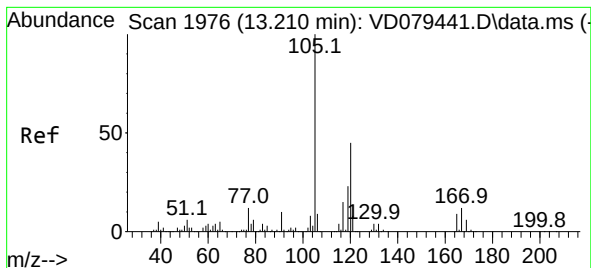
Tgt Ion: 75 Resp: 40446
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.160 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079522.D
Acq: 01 Aug 2024 04:58

Tgt Ion: 75 Resp: 40446
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#





#84

1,2,4-Trimethylbenzene

Concen: 3.440 ug/l

RT: 13.239 min Scan# 1976

Delta R.T. 0.035 min

Lab File: VD079522.D

Acq: 01 Aug 2024 04:58

Instrument :

MSVOA_D

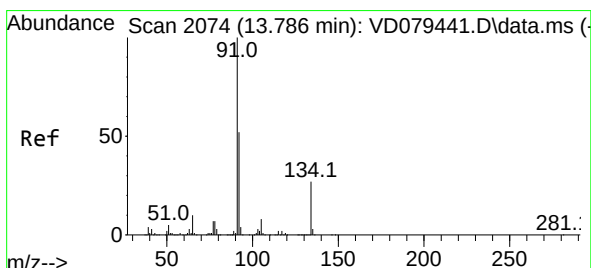
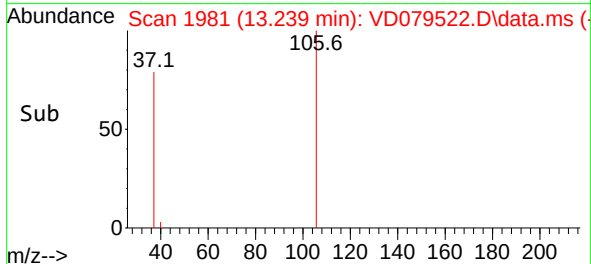
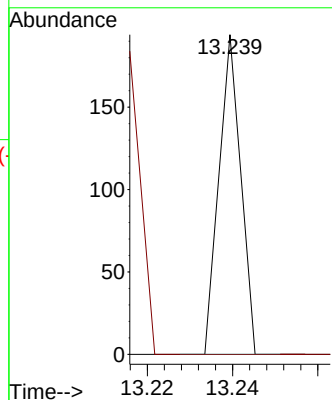
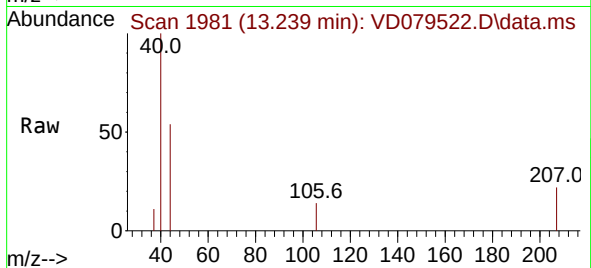
ClientSampleId :

Tgt Ion:105 Resp: 68

Ion Ratio Lower Upper

105 100

120 0.0 23.6 71.0#



#89

n-Butylbenzene

Concen: 3.791 ug/l

RT: 14.010 min Scan# 2112

Delta R.T. 0.229 min

Lab File: VD079522.D

Acq: 01 Aug 2024 04:58

Tgt Ion: 91 Resp: 59

Ion Ratio Lower Upper

91 100

92 0.0 25.7 77.0#

134 0.0 13.6 40.8#

