

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121124\
 Data File : VD080140.D
 Acq On : 11 Dec 2024 21:11
 Operator : RP/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 12 01:01:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM121124SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 12 00:57:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	257664	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	259744	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	146711	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	73728	17.954	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.800%
7) Chloroethane-d5	2.799	69	62536	17.077	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.320%
11) 1,1-Dichloroethene-d2	3.916	65	29197	18.523	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.080%
21) 2-Butanone-d5	6.987	46	36264	39.549	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.100%
24) Chloroform-d	7.569	84	152334	21.413	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.640%
26) 1,2-Dichloroethane-d4	8.234	65	83824	22.266	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.080%
32) Benzene-d6	8.199	84	309112	20.027	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	80.120%
36) 1,2-Dichloropropane-d6	9.210	67	96360	18.387	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	73.560%
41) Toluene-d8	10.269	98	298144	20.446	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.800%
43) trans-1,3-Dichloroprop...	10.528	79	43530	20.287	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.160%
47) 2-Hexanone-d5	10.875	63	33762	42.597	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.200%
56) 1,1,2,2-Tetrachloroeth...	12.645	84	94095	20.981	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.920%
66) 1,2-Dichlorobenzene-d4	13.816	152	116339	21.963	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.840%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	106749	22.476	ug/L	99
3) Chloromethane	2.152	50	82728	22.163	ug/L	92
5) Vinyl chloride	2.281	62	104723	20.292	ug/L	97
6) Bromomethane	2.687	94	62618	18.206	ug/L	96
8) Chloroethane	2.834	64	61800	17.963	ug/L	95
9) Trichlorofluoromethane	3.169	101	153018	20.318	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	94515	21.175	ug/L	94
12) 1,1-Dichloroethene	3.940	96	80073	20.551	ug/L	73
13) Acetone	4.022	43	41257	26.547	ug/L	97
14) Carbon disulfide	4.269	76	276631	21.885	ug/L	99
15) Methyl Acetate	4.569	43	37122	20.272	ug/L #	89
16) Methylene chloride	4.799	84	96993	21.912	ug/L	89
17) trans-1,2-Dichloroethene	5.316	96	90280	22.886	ug/L	92
18) Methyl tert-butyl Ether	5.322	73	190780	22.483	ug/L #	97
19) 1,1-Dichloroethane	6.105	63	156149	20.756	ug/L	97
20) cis-1,2-Dichloroethene	7.081	96	96716	22.814	ug/L	95
22) 2-Butanone	7.087	43	50551	32.898	ug/L	80
23) Bromochloromethane	7.428	128	51982	25.157	ug/L #	77
25) Chloroform	7.593	83	188185	22.123	ug/L	98

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 Response via : Initial Calibration

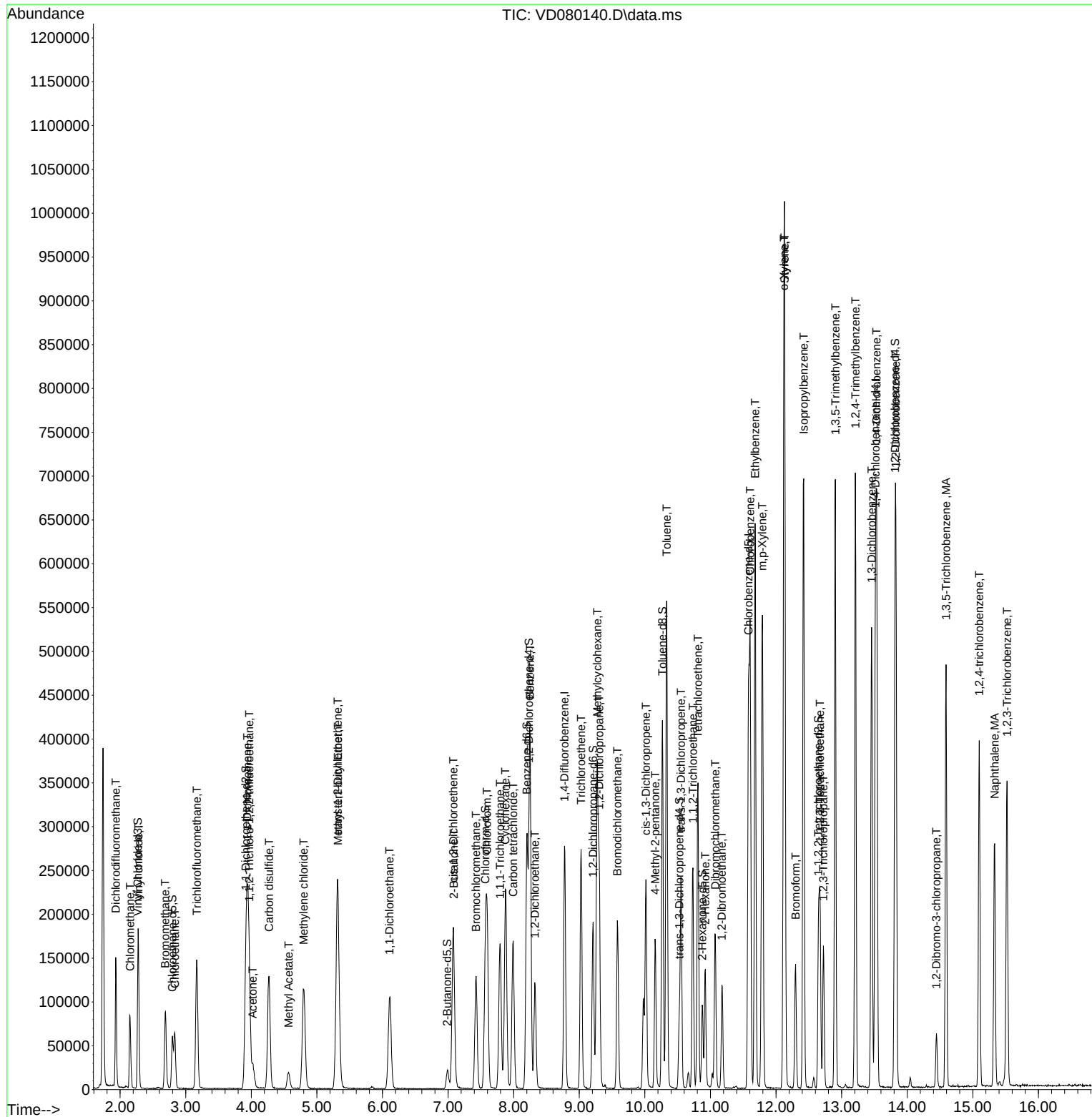
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	108376	22.278	ug/L	96
29) Cyclohexane	7.875	56	120695	19.522	ug/L	91
30) 1,1,1-Trichloroethane	7.793	97	145404	19.331	ug/L	96
31) Carbon tetrachloride	7.993	117	133991	21.491	ug/L	98
33) Benzene	8.252	78	380807	20.299	ug/L	100
34) Trichloroethene	9.028	95	98289	19.277	ug/L	93
35) Methylcyclohexane	9.275	83	151950	21.261	ug/L	96
37) 1,2-Dichloropropane	9.304	63	103115	19.183	ug/L	98
38) Bromodichloromethane	9.581	83	133029	19.629	ug/L #	95
39) cis-1,3-Dichloropropene	10.016	75	148354	19.340	ug/L	99
40) 4-Methyl-2-pentanone	10.157	43	107125	36.044	ug/L	98
42) Toluene	10.334	91	431610	21.206	ug/L	100
44) trans-1,3-Dichloropropene	10.551	75	133959	21.199	ug/L	98
45) 1,1,2-Trichloroethane	10.734	97	85266	22.056	ug/L	94
46) Tetrachloroethene	10.810	164	87666	24.826	ug/L	96
48) 2-Hexanone	10.922	43	84871	34.959	ug/L #	94
49) Dibromochloromethane	11.075	129	99712	23.761	ug/L	97
50) 1,2-Dibromoethane	11.175	107	79332	23.144	ug/L	99
51) Chlorobenzene	11.604	112	278715	22.880	ug/L	94
52) Ethylbenzene	11.681	91	462776	22.897	ug/L	93
53) m,p-Xylene	11.793	106	181938	23.545	ug/L	96
54) o-Xylene	12.122	106	175608	23.688	ug/L	92
55) Styrene	12.134	104	324607	24.191	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.669	83	101335	20.574	ug/L	97
59) Bromoform	12.298	173	66260	23.480	ug/L	97
60) Isopropylbenzene	12.422	105	463950	22.218	ug/L	98
61) 1,2,3-Trichloropropane	12.722	75	68249	19.692	ug/L	96
62) 1,3,5-Trimethylbenzene	12.904	105	370378	21.274	ug/L	100
63) 1,2,4-Trimethylbenzene	13.210	105	368882	22.270	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	235554	23.190	ug/L	99
65) 1,4-Dichlorobenzene	13.534	146	242113	22.111	ug/L	99
67) 1,2-Dichlorobenzene	13.828	146	217075	22.132	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.445	75	15936	21.841	ug/L	90
69) 1,3,5-Trichlorobenzene	14.592	180	158981	22.658	ug/L	97
70) 1,2,4-trichlorobenzene	15.098	180	133921	23.876	ug/L	97
71) Naphthalene	15.334	128	247832	23.258	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	129769	22.988	ug/L	95

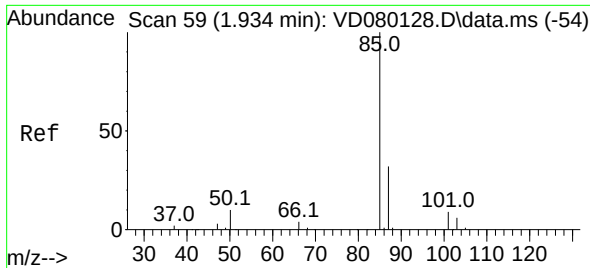
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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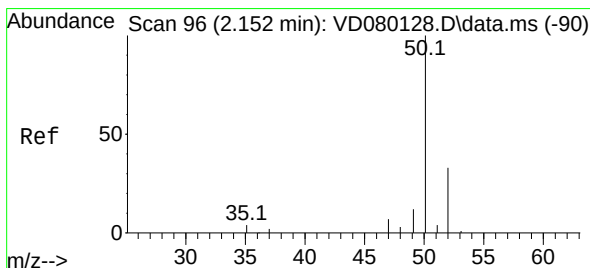
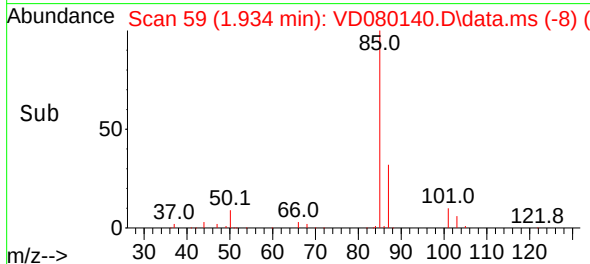
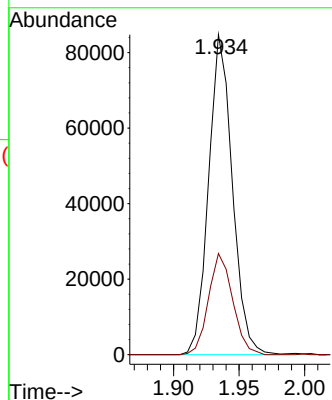
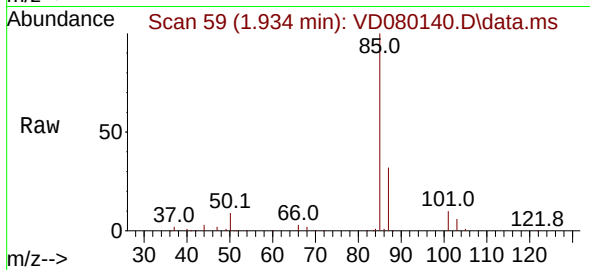




#2
 Dichlorodifluoromethane
 Concen: 22.476 ug/L
 RT: 1.934 min Scan# 59
 Delta R.T. 0.000 min
 Lab File: VD080140.D
 Acq: 11 Dec 2024 21:11

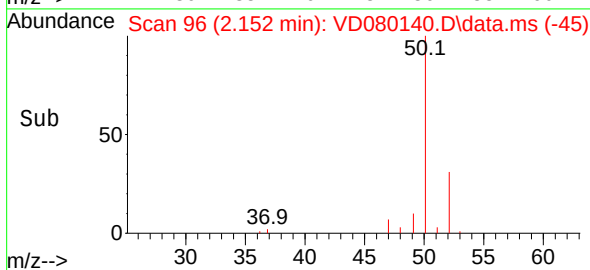
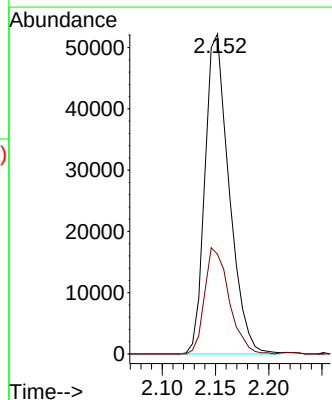
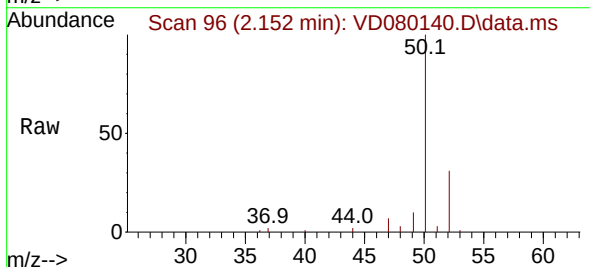
Instrument :
 MSVOA_D
 ClientSampleId :

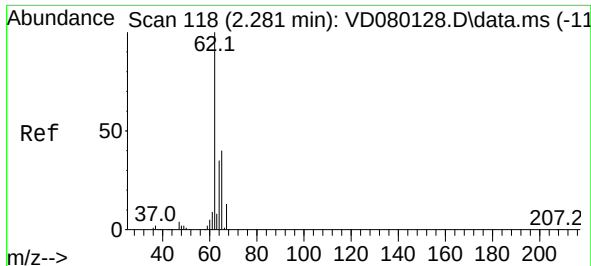
Tgt Ion: 85 Resp: 106749
 Ion Ratio Lower Upper
 85 100
 87 32.2 26.2 39.2



#3
 Chloromethane
 Concen: 22.163 ug/L
 RT: 2.152 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VD080140.D
 Acq: 11 Dec 2024 21:11

Tgt Ion: 50 Resp: 82728
 Ion Ratio Lower Upper
 50 100
 52 31.1 25.1 46.7

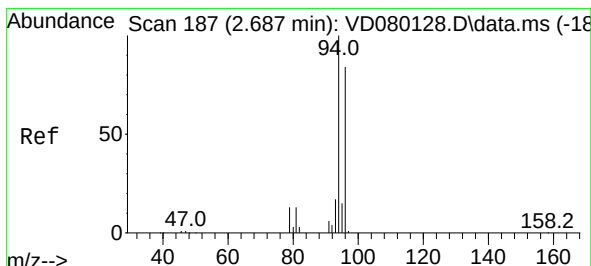
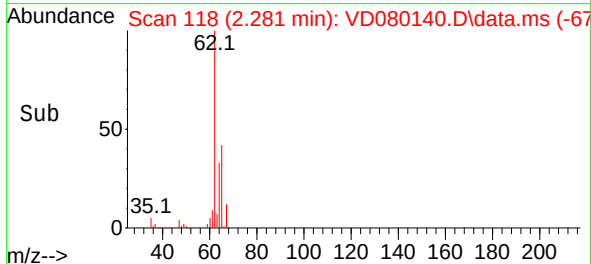
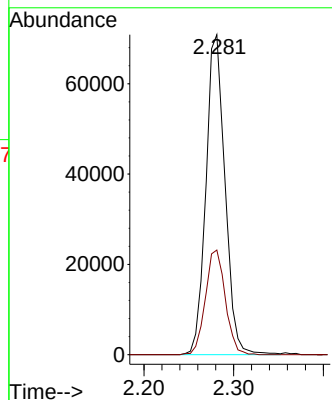
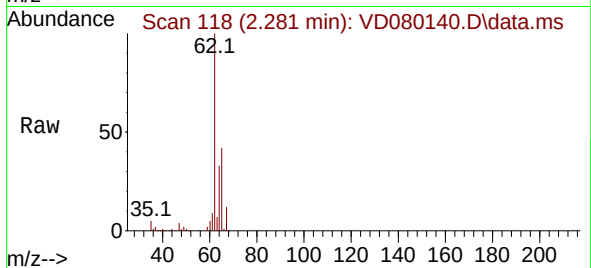




#5
 Vinyl chloride
 Concen: 20.292 ug/L
 RT: 2.281 min Scan# 118
 Delta R.T. 0.000 min
 Lab File: VD080140.D
 Acq: 11 Dec 2024 21:11

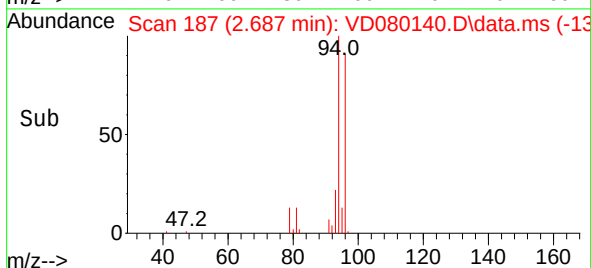
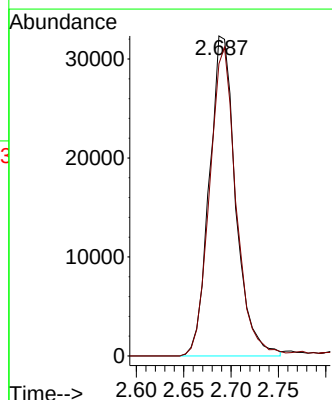
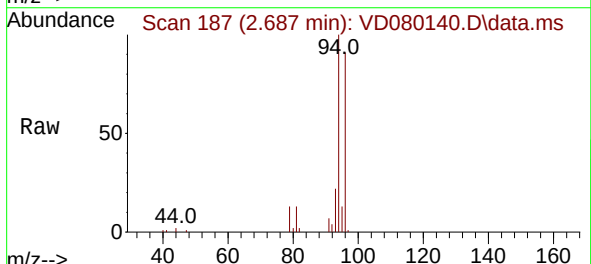
Instrument :
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 ClientSampleId :

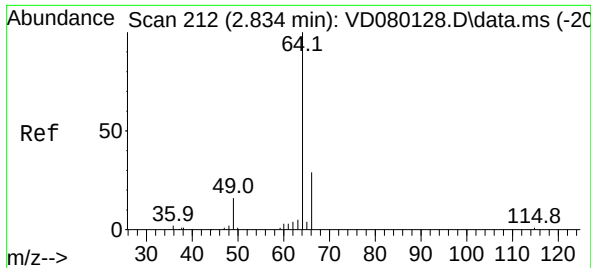
Tgt Ion: 62 Resp: 104723
 Ion Ratio Lower Upper
 62 100
 64 32.7 24.0 44.6



#6
 Bromomethane
 Concen: 18.206 ug/L
 RT: 2.687 min Scan# 187
 Delta R.T. 0.000 min
 Lab File: VD080140.D
 Acq: 11 Dec 2024 21:11

Tgt Ion: 94 Resp: 62618
 Ion Ratio Lower Upper
 94 100
 96 91.3 66.8 124.0

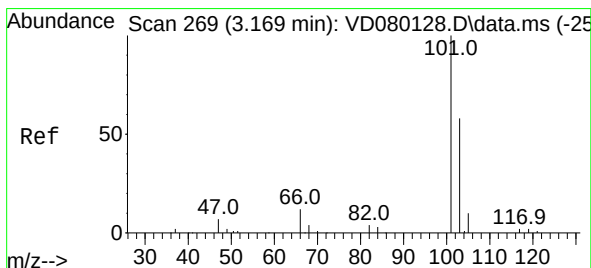
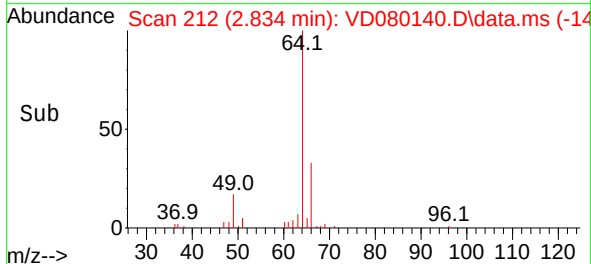
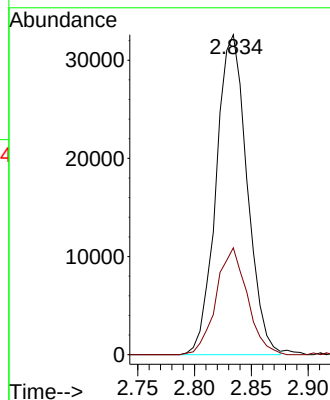
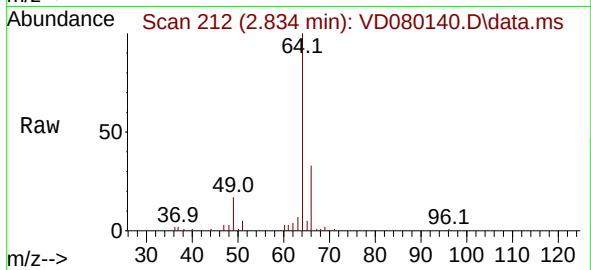




#8
Chloroethane
Concen: 17.963 ug/L
RT: 2.834 min Scan# 212
Delta R.T. 0.000 min
Lab File: VD080140.D
Acq: 11 Dec 2024 21:11

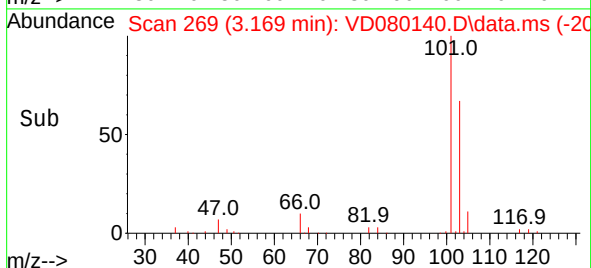
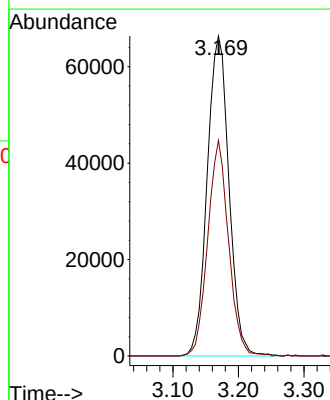
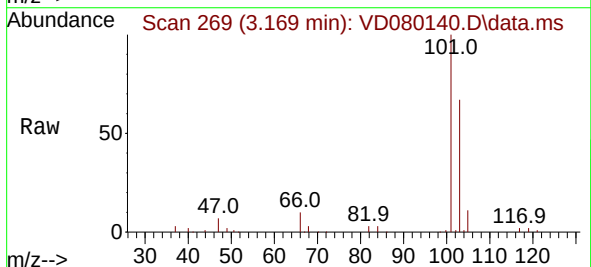
Instrument :
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ClientSampleId :

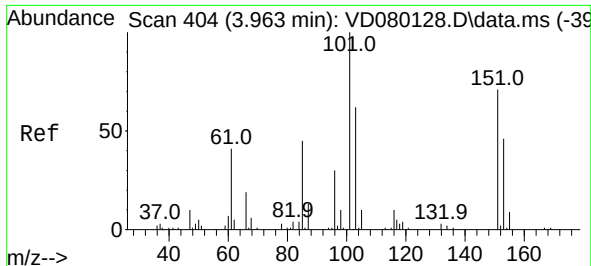
Tgt Ion: 64 Resp: 61800
Ion Ratio Lower Upper
64 100
66 33.4 21.3 39.6



#9
Trichlorofluoromethane
Concen: 20.318 ug/L
RT: 3.169 min Scan# 269
Delta R.T. 0.000 min
Lab File: VD080140.D
Acq: 11 Dec 2024 21:11

Tgt Ion:101 Resp: 153018
Ion Ratio Lower Upper
101 100
103 64.1 52.5 78.7





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 21.175 ug/L

RT: 3.969 min Scan# 405

Delta R.T. 0.006 min

Lab File: VD080140.D

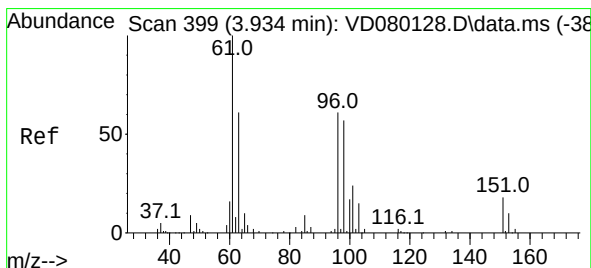
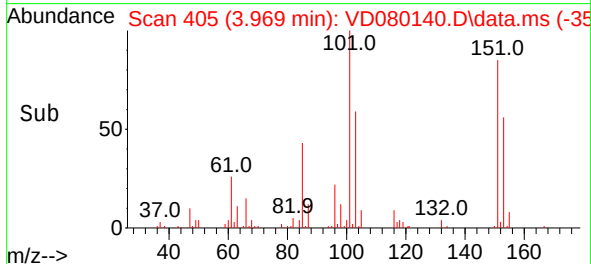
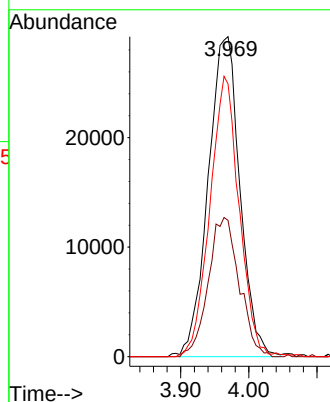
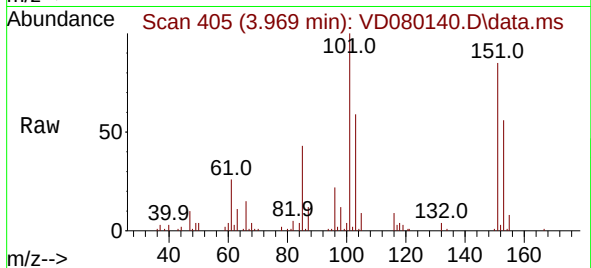
Acq: 11 Dec 2024 21:11

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:101	Resp:	94515
Ion Ratio	Lower	Upper
101	100	
85	42.6	35.8 53.6
151	80.6	59.8 89.6



#12

1,1-Dichloroethene

Concen: 20.551 ug/L

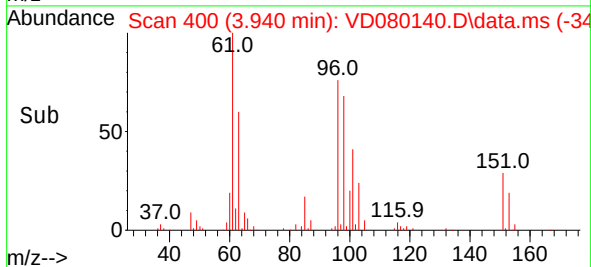
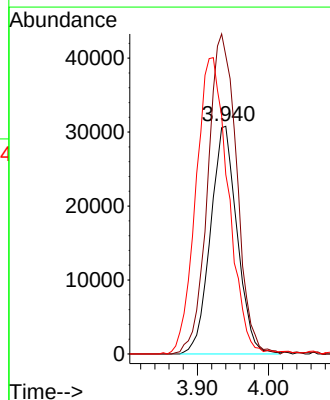
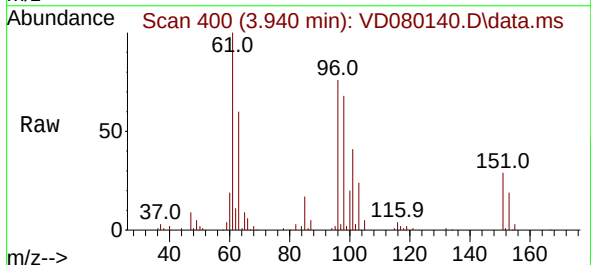
RT: 3.940 min Scan# 400

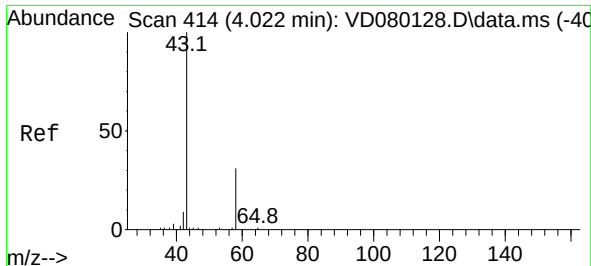
Delta R.T. 0.006 min

Lab File: VD080140.D

Acq: 11 Dec 2024 21:11

Tgt Ion: 96	Resp:	80073
Ion Ratio	Lower	Upper
96	100	
61	131.0	113.8 211.3
63	78.7	78.5 145.7





#13

Acetone

Concen: 26.547 ug/L

RT: 4.022 min Scan# 414

Delta R.T. 0.000 min

Lab File: VD080140.D

Acq: 11 Dec 2024 21:11

Instrument :

MSVOA_D

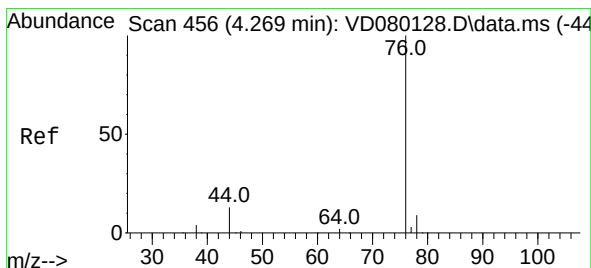
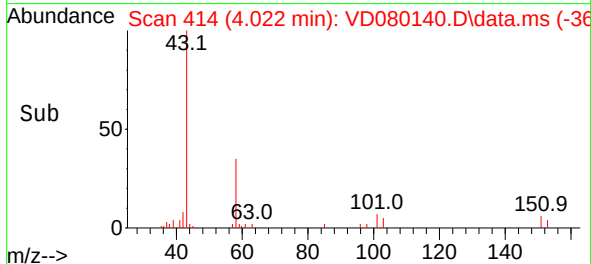
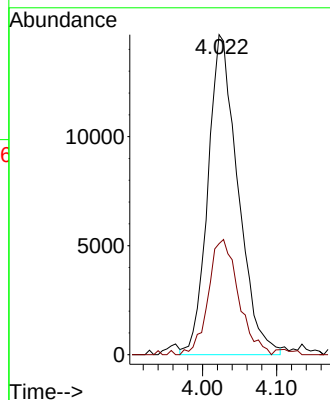
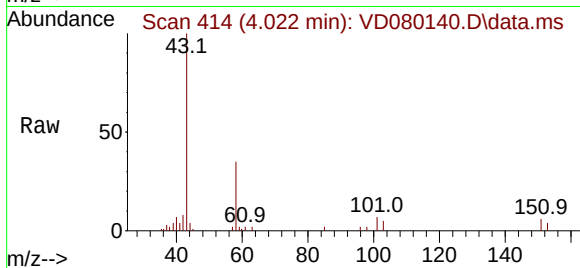
ClientSampleId :

Tgt Ion: 43 Resp: 41257

Ion Ratio Lower Upper

43 100

58 36.1 0.0 69.0



#14

Carbon disulfide

Concen: 21.885 ug/L

RT: 4.269 min Scan# 456

Delta R.T. 0.000 min

Lab File: VD080140.D

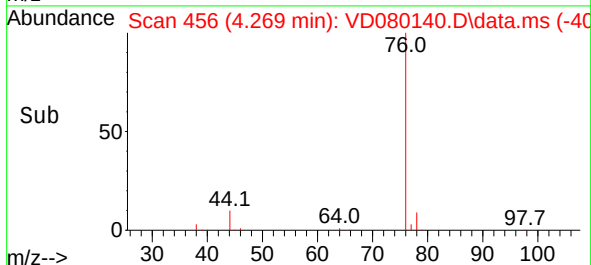
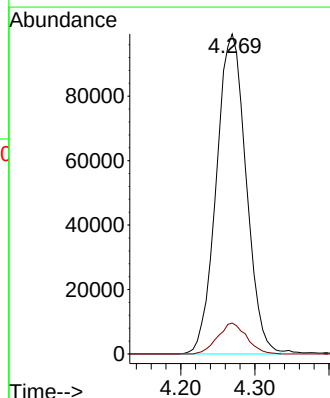
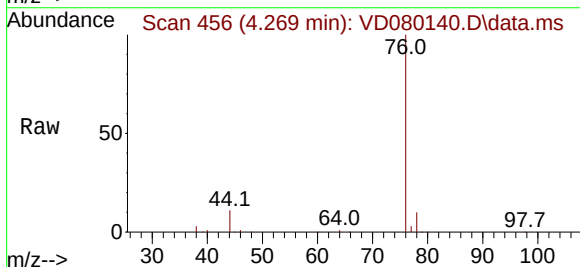
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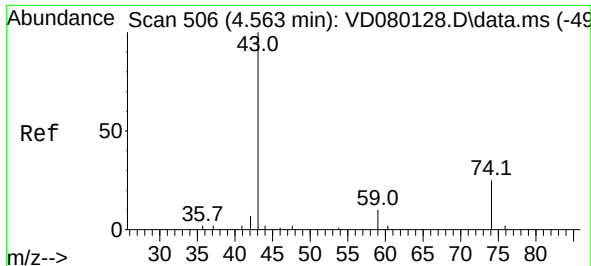
Tgt Ion: 76 Resp: 276631

Ion Ratio Lower Upper

76 100

78 9.6 7.3 10.9





#15

Methyl Acetate

Concen: 20.272 ug/L

RT: 4.569 min Scan# 506

Delta R.T. 0.006 min

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MSVOA_D

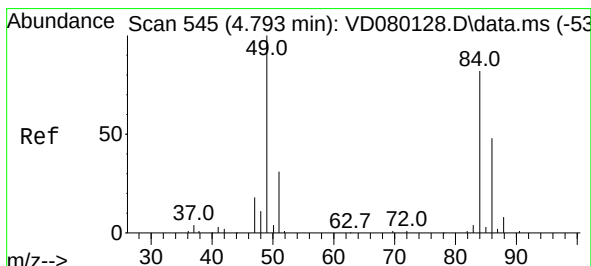
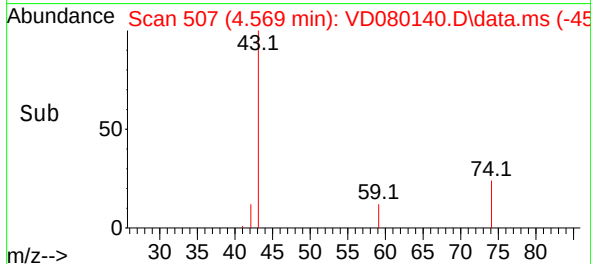
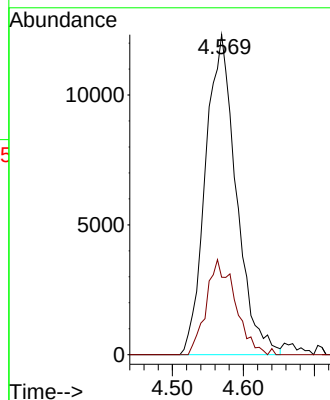
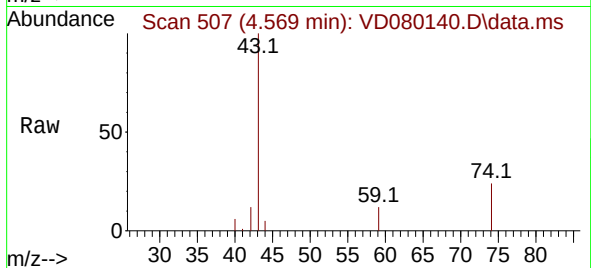
ClientSampleId :

Tgt Ion: 43 Resp: 37122

Ion Ratio Lower Upper

43 100

74 18.3 19.0 28.4#



#16

Methylene chloride

Concen: 21.912 ug/L

RT: 4.799 min Scan# 546

Delta R.T. 0.006 min

Lab File: VD080140.D

Acq: 11 Dec 2024 21:11

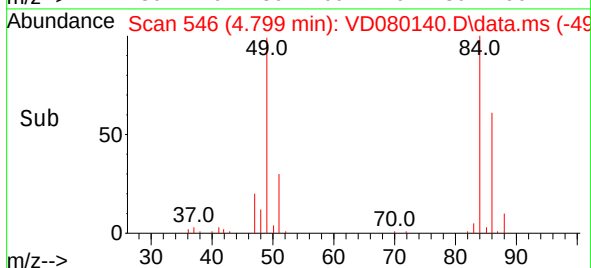
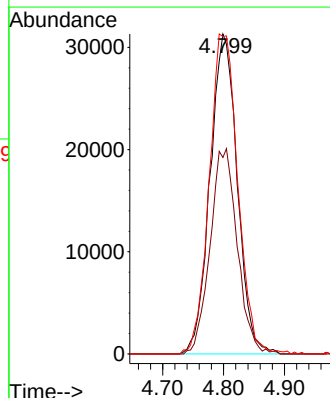
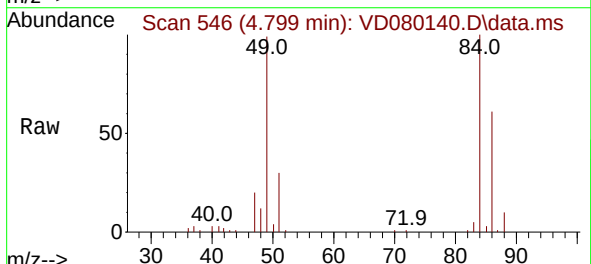
Tgt Ion: 84 Resp: 96993

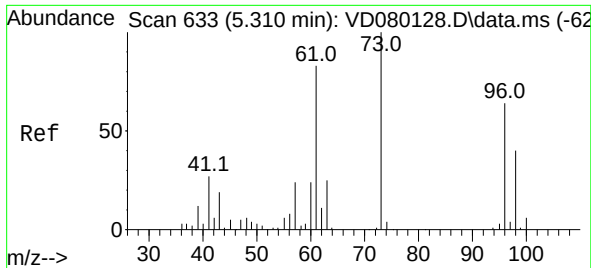
Ion Ratio Lower Upper

84 100

86 61.4 40.7 75.7

49 99.2 79.9 148.5

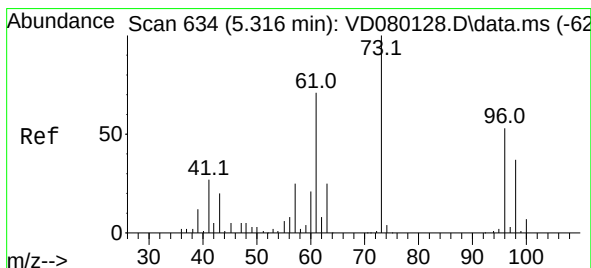
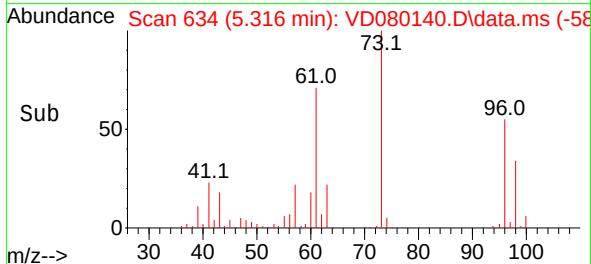
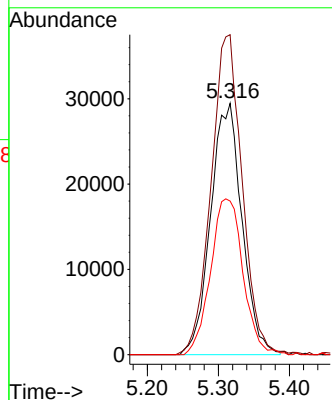
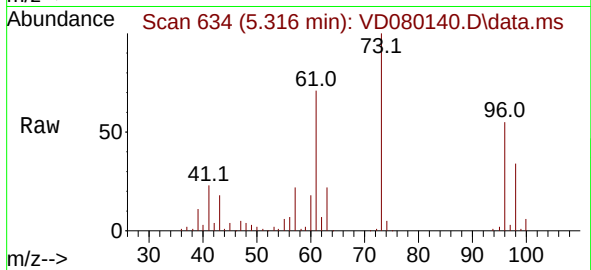




#17
trans-1,2-Dichloroethene
Concen: 22.886 ug/L
RT: 5.316 min Scan# 61
Delta R.T. 0.006 min
Lab File: VD080140.D
Acq: 11 Dec 2024 21:11

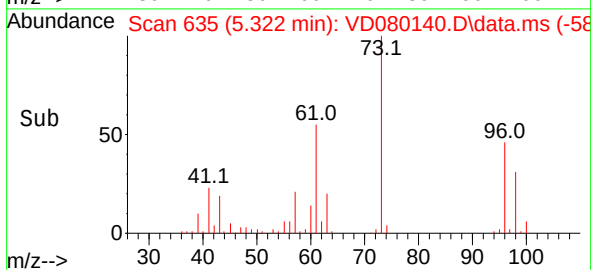
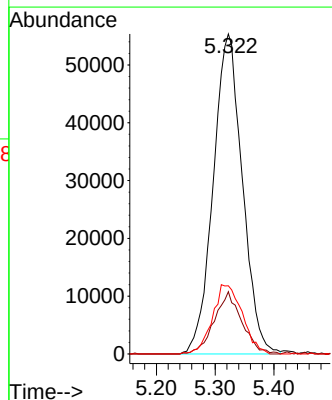
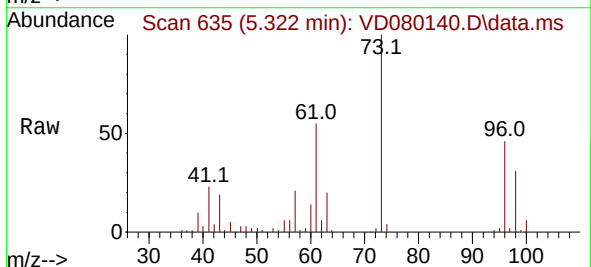
Instrument :
MSVOA_D
ClientSampleId :

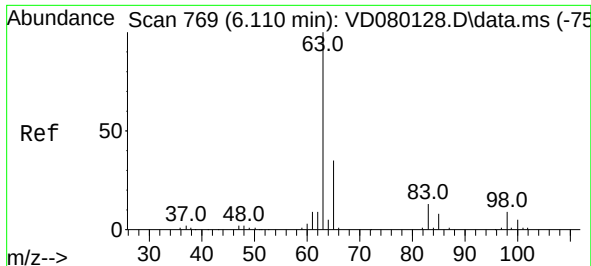
Tgt Ion: 96 Resp: 90280
Ion Ratio Lower Upper
96 100
61 127.3 97.4 181.0
98 61.1 44.3 82.3



#18
Methyl tert-butyl Ether
Concen: 22.483 ug/L
RT: 5.322 min Scan# 635
Delta R.T. 0.006 min
Lab File: VD080140.D
Acq: 11 Dec 2024 21:11

Tgt Ion: 73 Resp: 190780
Ion Ratio Lower Upper
73 100
43 18.0 0.0 0.0#
57 22.0 18.9 28.3





#19

1,1-Dichloroethane

Concen: 20.756 ug/L

RT: 6.105 min Scan# 7

Delta R.T. -0.006 min

Lab File: VD080140.D

Acq: 11 Dec 2024 21:11

Instrument :

MSVOA_D

ClientSampleId :

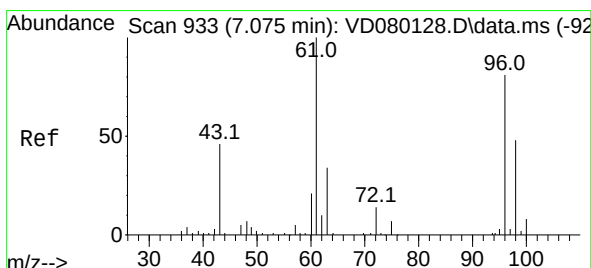
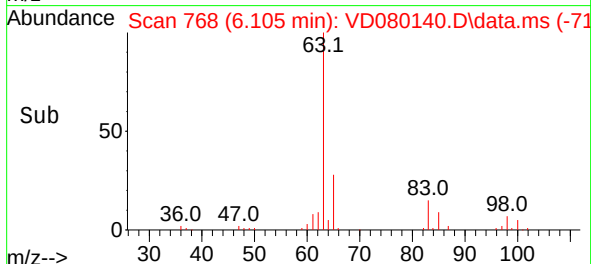
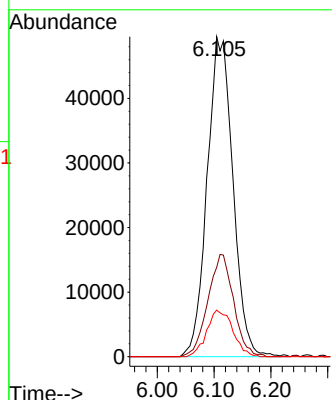
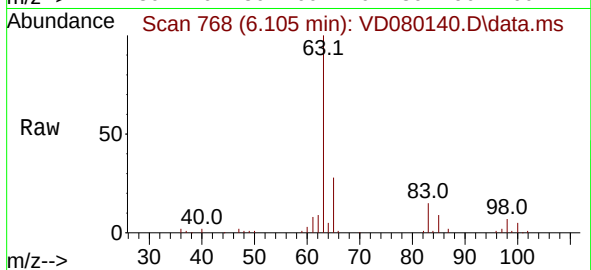
Tgt Ion: 63 Resp: 156149

Ion Ratio Lower Upper

63 100

65 27.9 21.1 39.1

83 14.6 9.9 18.5



#20

cis-1,2-Dichloroethene

Concen: 22.814 ug/L

RT: 7.081 min Scan# 934

Delta R.T. 0.006 min

Lab File: VD080140.D

Acq: 11 Dec 2024 21:11

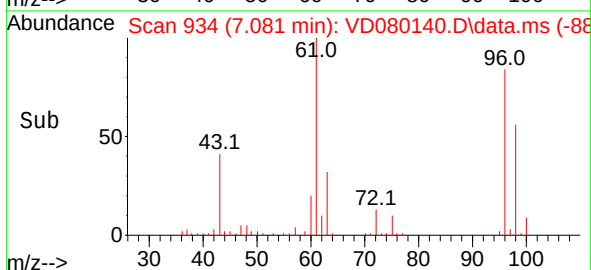
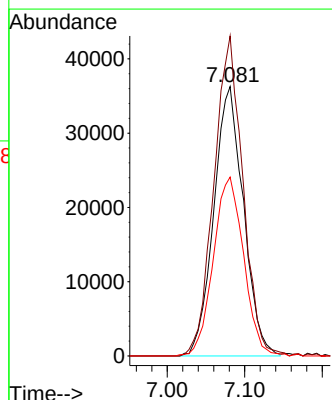
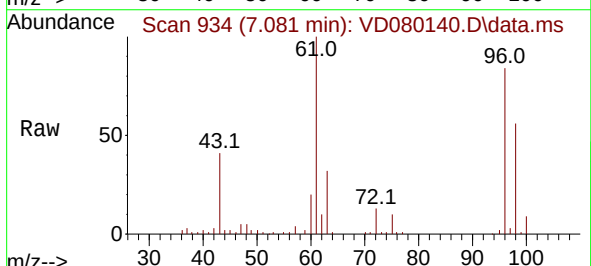
Tgt Ion: 96 Resp: 96716

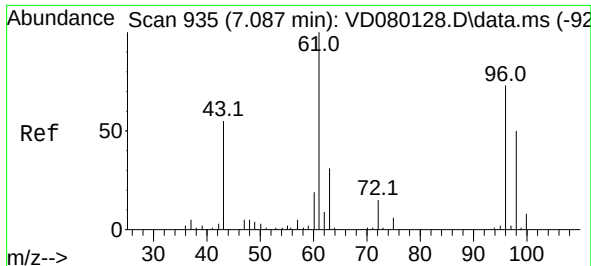
Ion Ratio Lower Upper

96 100

61 118.7 89.1 165.5

98 66.4 47.3 87.8

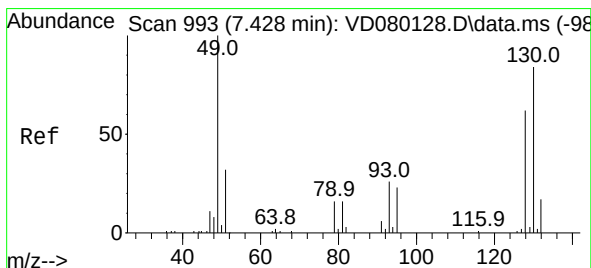
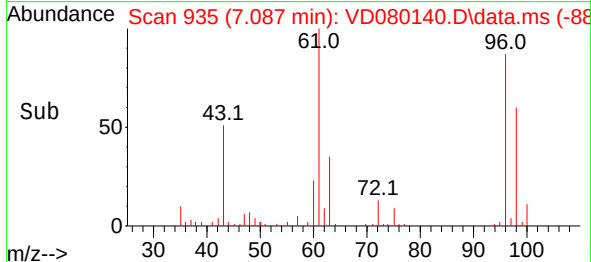
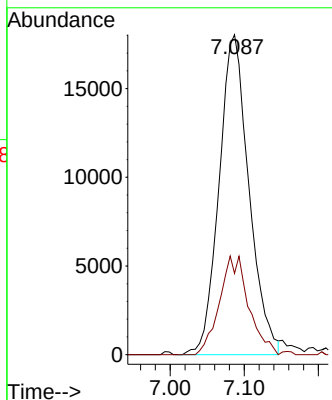
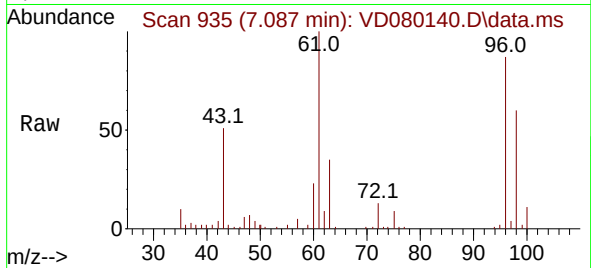




#22
2-Butanone
Concen: 32.898 ug/L
RT: 7.087 min Scan# 935
Delta R.T. 0.000 min
Lab File: VD080140.D
Acq: 11 Dec 2024 21:11

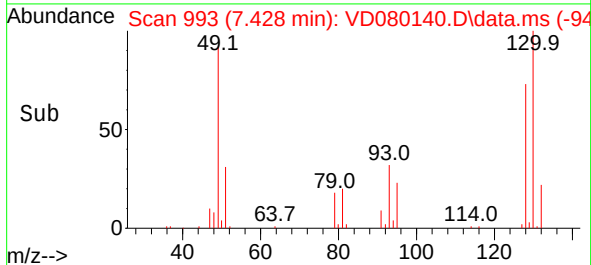
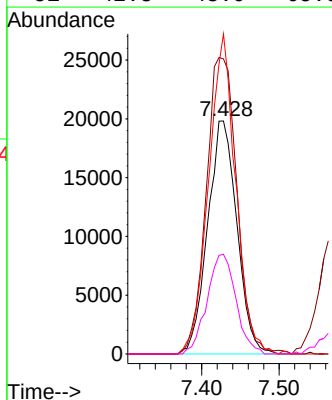
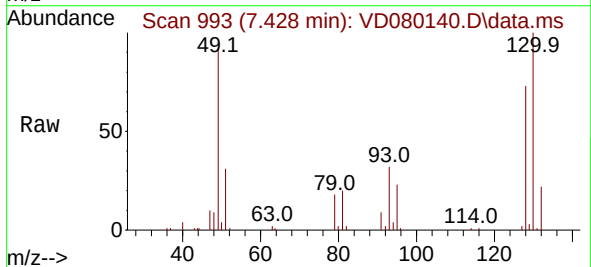
Instrument :
MSVOA_D
ClientSampleId :

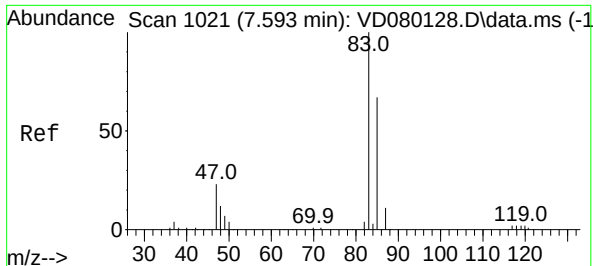
Tgt Ion: 43 Resp: 50551
Ion Ratio Lower Upper
43 100
72 16.8 13.6 40.8



#23
Bromochloromethane
Concen: 25.157 ug/L
RT: 7.428 min Scan# 993
Delta R.T. 0.000 min
Lab File: VD080140.D
Acq: 11 Dec 2024 21:11

Tgt Ion:128 Resp: 51982
Ion Ratio Lower Upper
128 100
49 126.6 117.0 217.2
130 137.3 84.4 156.7
51 42.8 43.9 65.9#

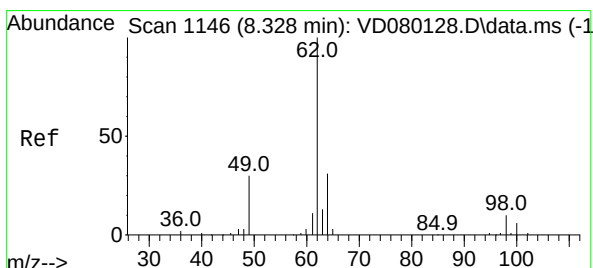
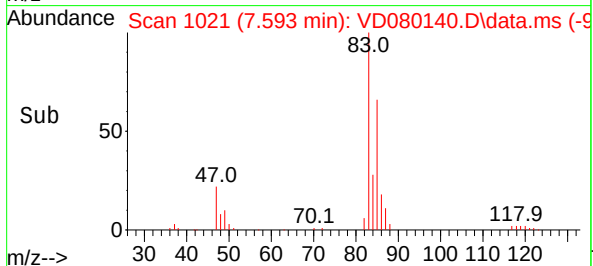
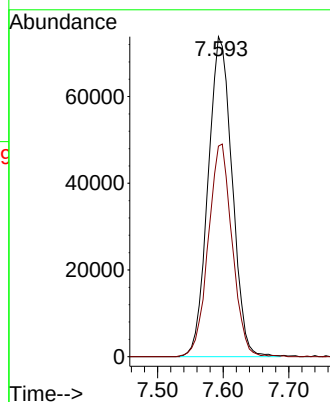
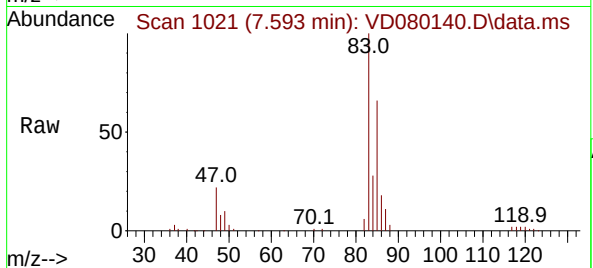




#25
Chloroform
Concen: 22.123 ug/L
RT: 7.593 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VD080140.D
Acq: 11 Dec 2024 21:11

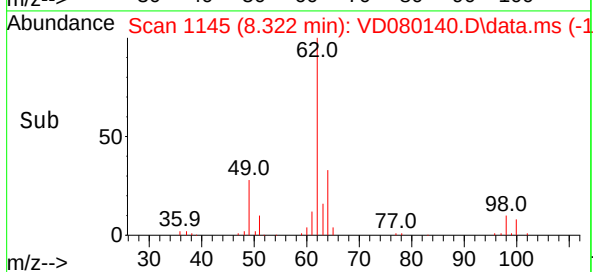
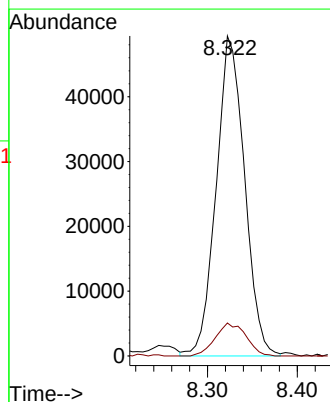
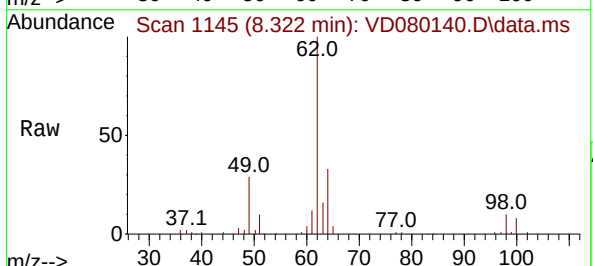
Instrument :
MSVOA_D
ClientSampleId :

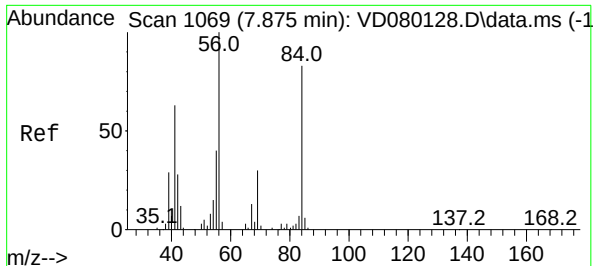
Tgt Ion: 83 Resp: 188185
Ion Ratio Lower Upper
83 100
85 65.8 45.0 83.6



#27
1,2-Dichloroethane
Concen: 22.278 ug/L
RT: 8.322 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VD080140.D
Acq: 11 Dec 2024 21:11

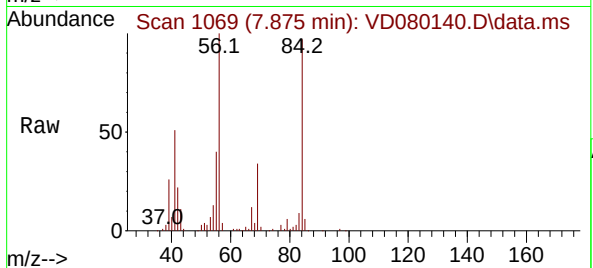
Tgt Ion: 62 Resp: 108376
Ion Ratio Lower Upper
62 100
98 10.3 7.0 10.6



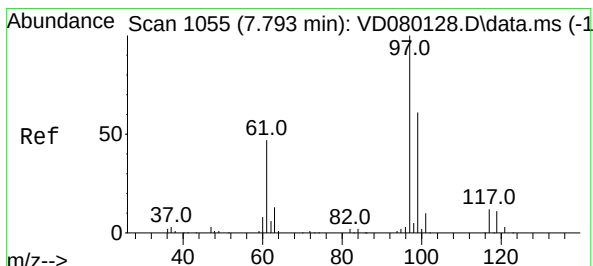
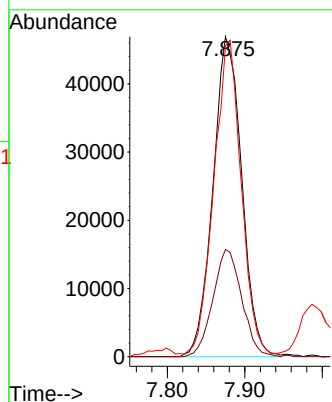
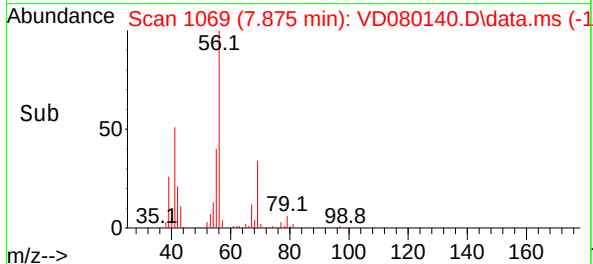


#29
Cyclohexane
Concen: 19.522 ug/L
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD080140.D
Acq: 11 Dec 2024 21:11

Instrument :
MSVOA_D
ClientSampleId :

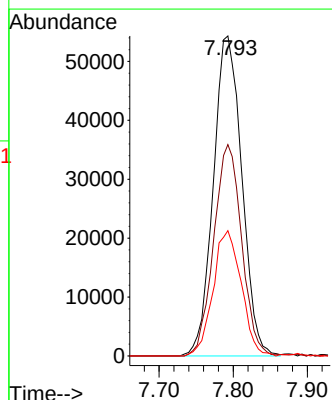
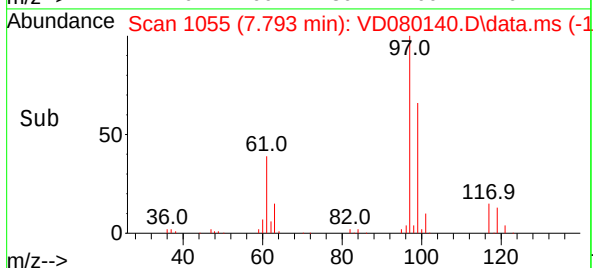
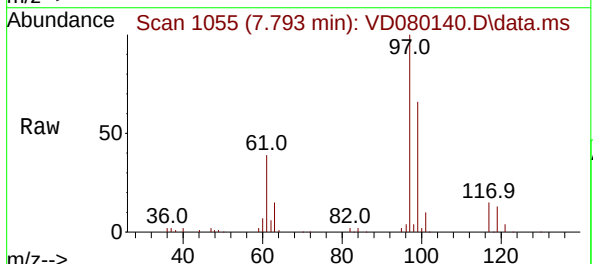


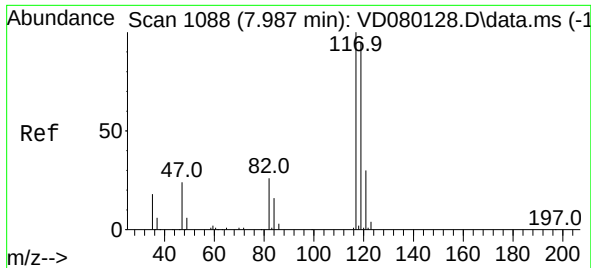
Tgt Ion: 56 Resp: 120695
Ion Ratio Lower Upper
56 100
69 33.6 24.6 36.8
84 95.0 68.7 103.1



#30
1,1,1-Trichloroethane
Concen: 19.331 ug/L
RT: 7.793 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VD080140.D
Acq: 11 Dec 2024 21:11

Tgt Ion: 97 Resp: 145404
Ion Ratio Lower Upper
97 100
99 64.5 51.3 76.9
61 38.7 35.8 53.8

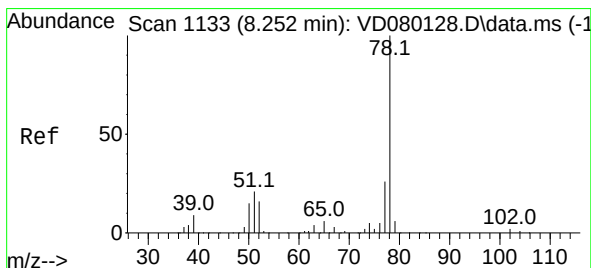
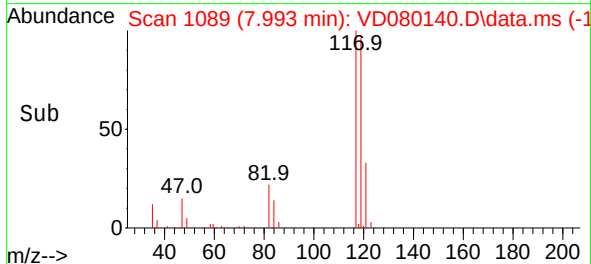
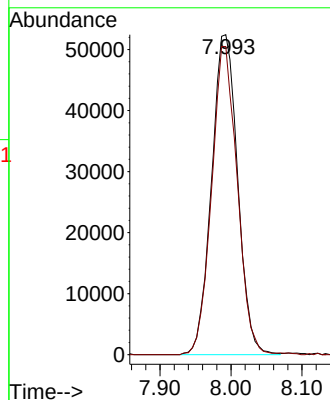
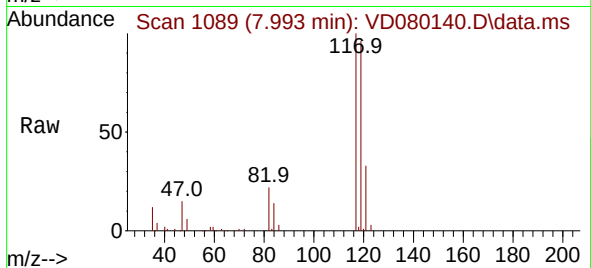




#31
Carbon tetrachloride
Concen: 21.491 ug/L
RT: 7.993 min Scan# 1108
Delta R.T. 0.006 min
Lab File: VD080140.D
Acq: 11 Dec 2024 21:11

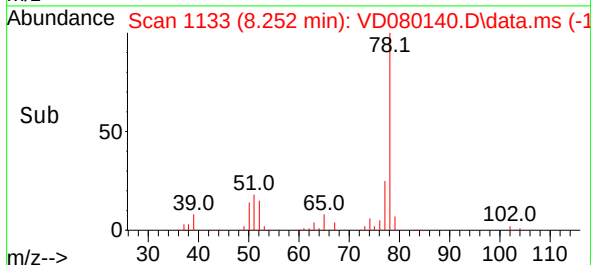
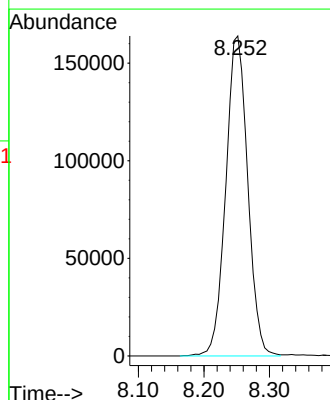
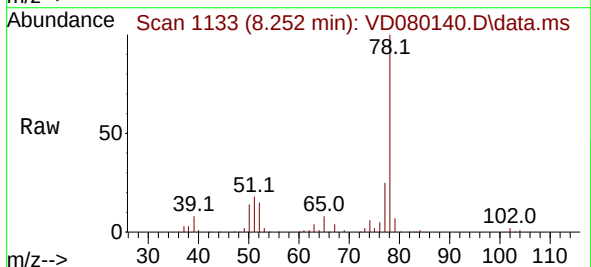
Instrument :
MSVOA_D
ClientSampleId :

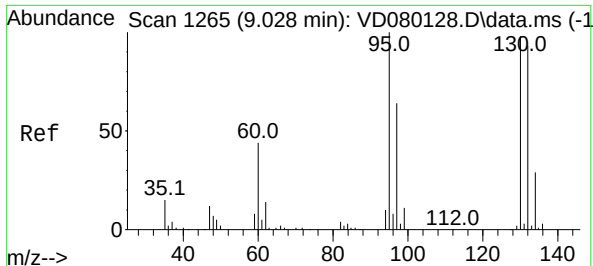
Tgt Ion:117 Resp: 133991
Ion Ratio Lower Upper
117 100
119 94.4 76.8 115.2



#33
Benzene
Concen: 20.299 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD080140.D
Acq: 11 Dec 2024 21:11

Tgt Ion: 78 Resp: 380807





#34

Trichloroethene

Concen: 19.277 ug/L

RT: 9.028 min Scan# 1265

Delta R.T. 0.000 min

Lab File: VD080140.D

Acq: 11 Dec 2024 21:11

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 95 Resp: 98289

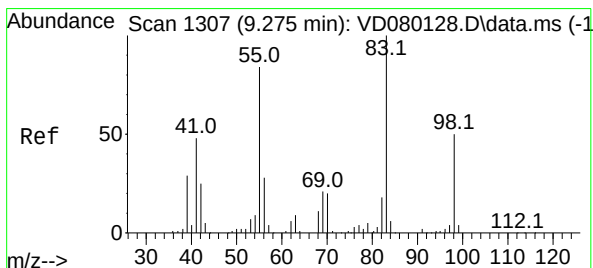
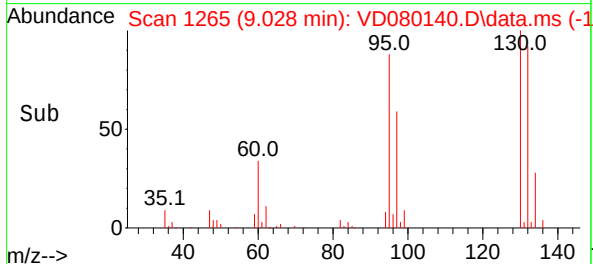
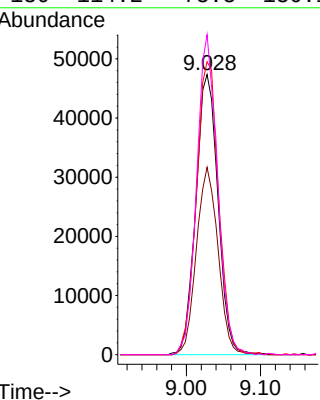
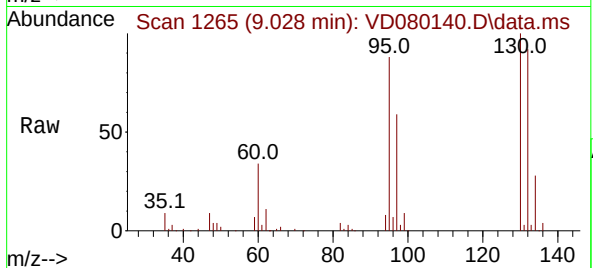
Ion Ratio Lower Upper

95 100

97 66.9 43.7 81.1

132 104.6 69.4 129.0

130 114.2 73.3 136.1



#35

Methylcyclohexane

Concen: 21.261 ug/L

RT: 9.275 min Scan# 1307

Delta R.T. 0.000 min

Lab File: VD080140.D

Acq: 11 Dec 2024 21:11

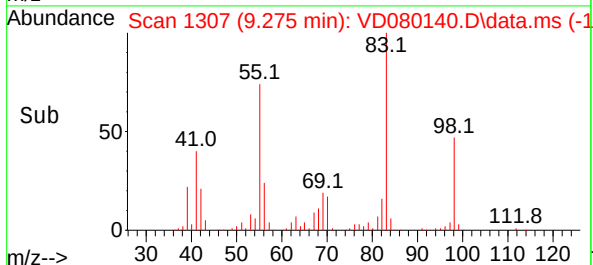
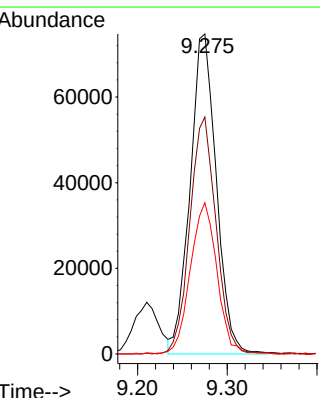
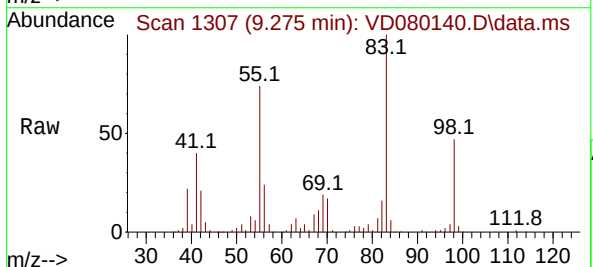
Tgt Ion: 83 Resp: 151950

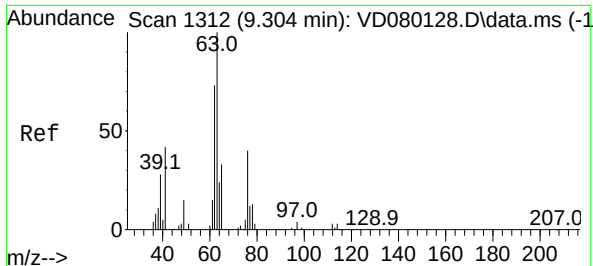
Ion Ratio Lower Upper

83 100

55 74.0 63.8 95.8

98 47.6 37.6 56.4

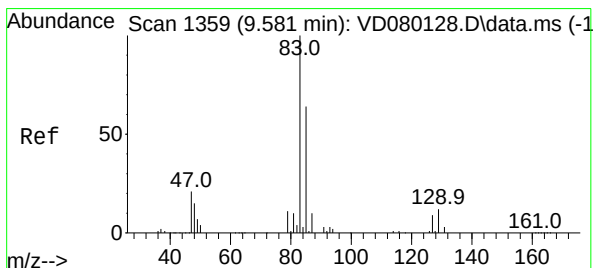
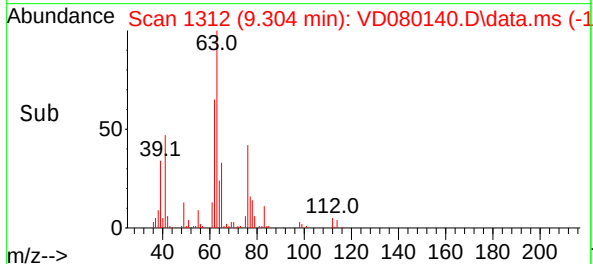
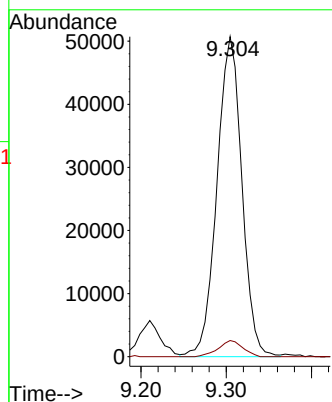
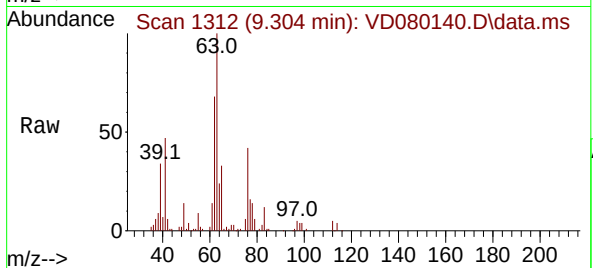




#37
1,2-Dichloropropane
Concen: 19.183 ug/L
RT: 9.304 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VD080140.D
Acq: 11 Dec 2024 21:11

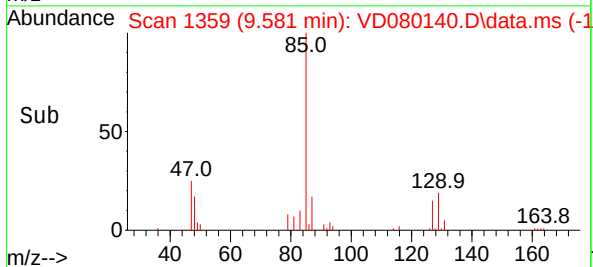
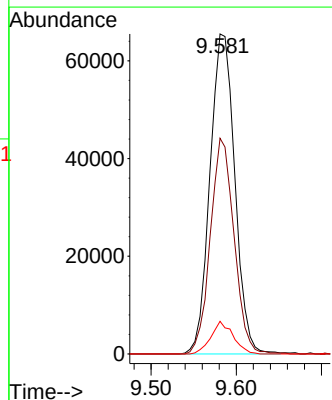
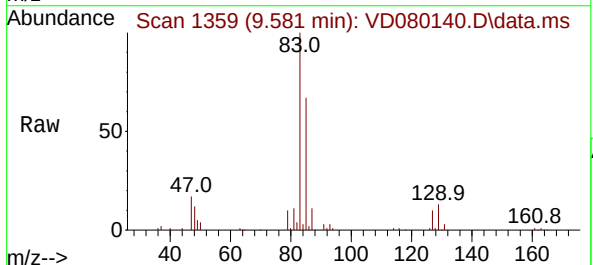
Instrument :
MSVOA_D
ClientSampleId :

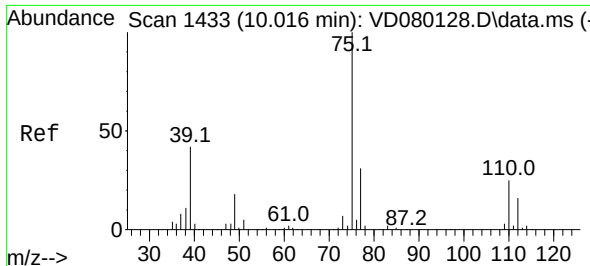
Tgt Ion: 63 Resp: 103115
Ion Ratio Lower Upper
63 100
112 4.9 3.5 5.3



#38
Bromodichloromethane
Concen: 19.629 ug/L
RT: 9.581 min Scan# 1359
Delta R.T. 0.000 min
Lab File: VD080140.D
Acq: 11 Dec 2024 21:11

Tgt Ion: 83 Resp: 133029
Ion Ratio Lower Upper
83 100
85 67.4 44.3 82.3
127 10.2 6.6 10.0#





#39

cis-1,3-Dichloropropene

Concen: 19.340 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. 0.000 min

Lab File: VD080140.D

Acq: 11 Dec 2024 21:11

Instrument :

MSVOA_D

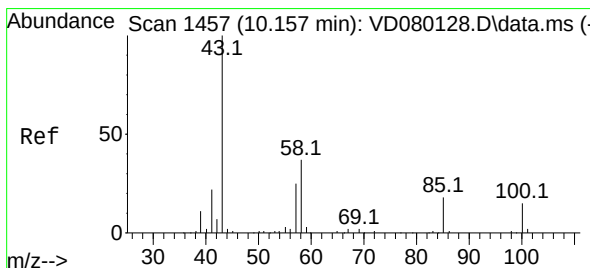
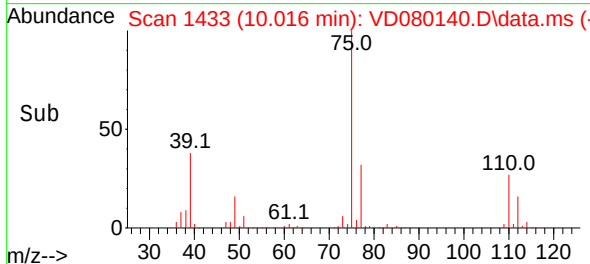
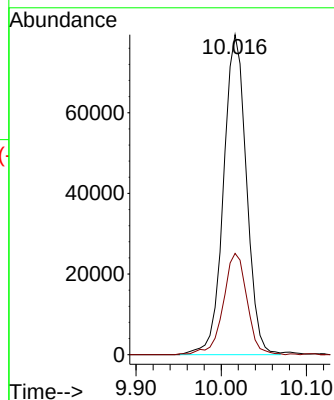
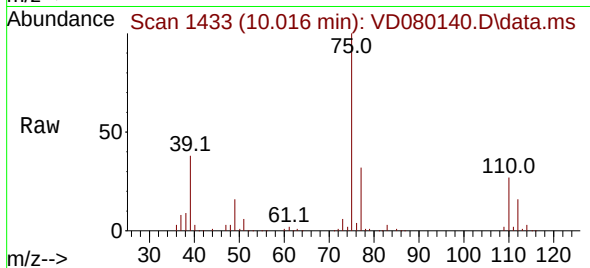
ClientSampleId :

Tgt Ion: 75 Resp: 148354

Ion Ratio Lower Upper

75 100

77 31.6 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 36.044 ug/L

RT: 10.157 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VD080140.D

Acq: 11 Dec 2024 21:11

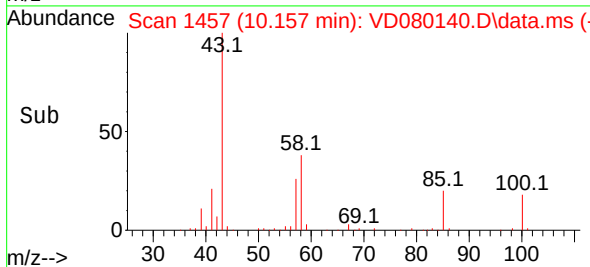
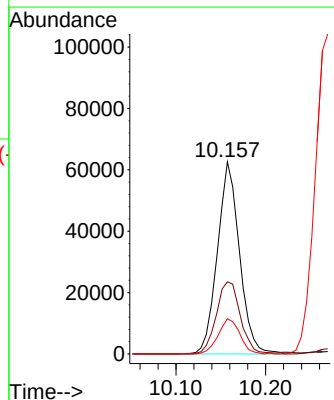
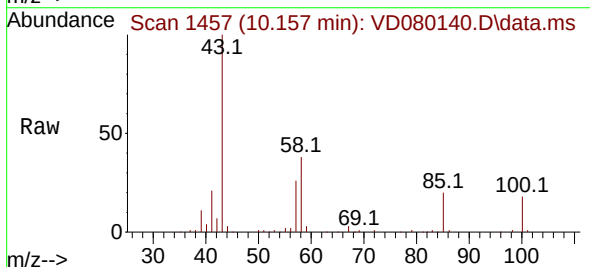
Tgt Ion: 43 Resp: 107125

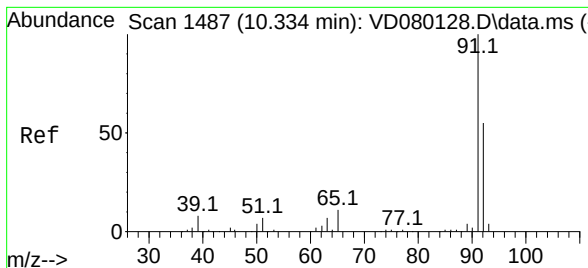
Ion Ratio Lower Upper

43 100

58 40.9 32.1 48.1

100 17.9 12.6 19.0





#42

Toluene

Concen: 21.206 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD080140.D

Acq: 11 Dec 2024 21:11

Instrument :

MSVOA_D

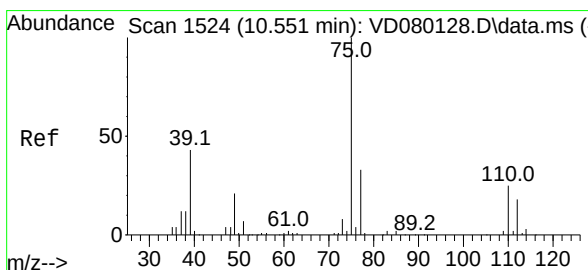
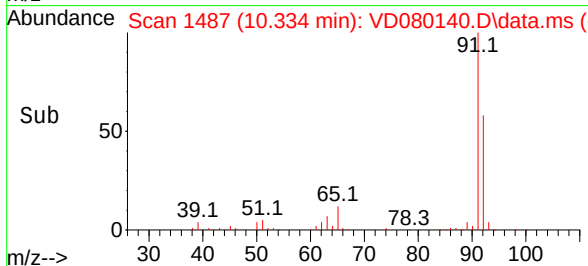
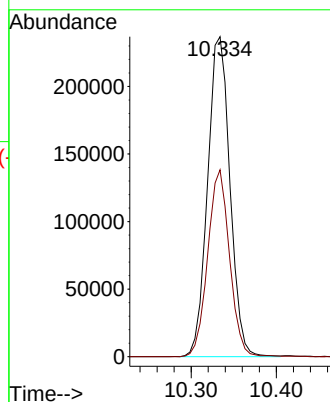
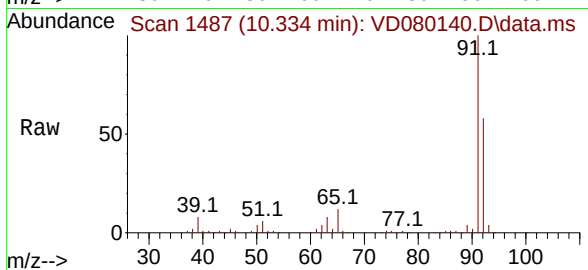
ClientSampleId :

Tgt Ion: 91 Resp: 431610

Ion Ratio Lower Upper

91 100

92 58.4 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 21.199 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. 0.000 min

Lab File: VD080140.D

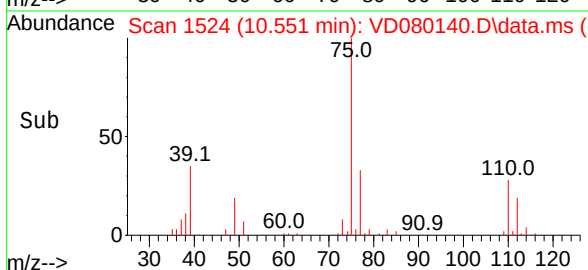
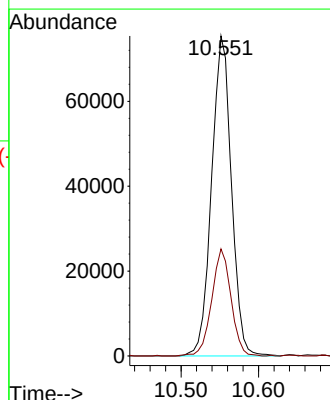
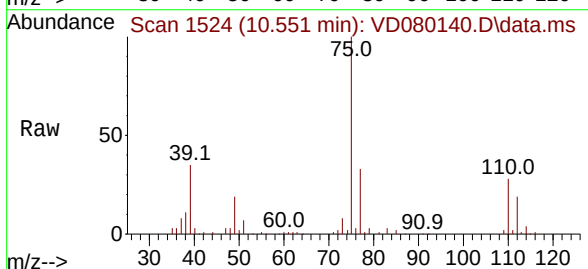
Acq: 11 Dec 2024 21:11

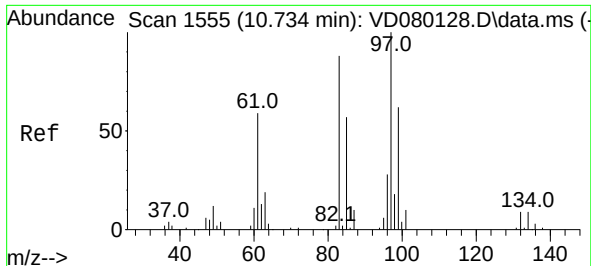
Tgt Ion: 75 Resp: 133959

Ion Ratio Lower Upper

75 100

77 33.5 24.2 45.0





#45

1,1,2-Trichloroethane

Concen: 22.056 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD080140.D

Acq: 11 Dec 2024 21:11

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 97 Resp: 85266

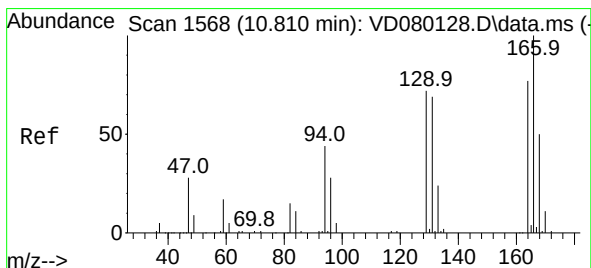
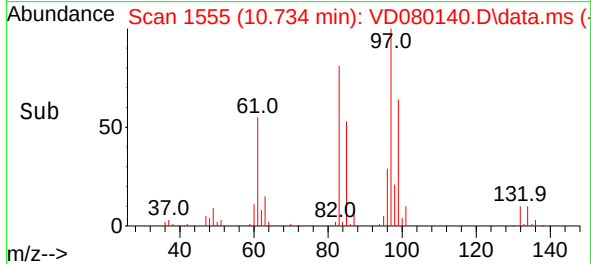
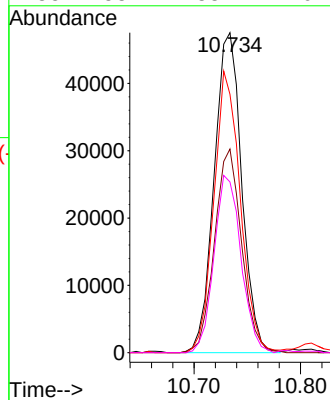
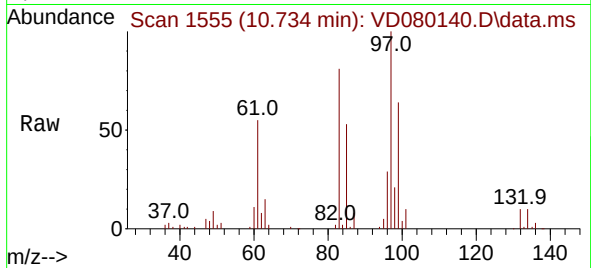
Ion Ratio Lower Upper

97 100

99 63.6 42.5 78.9

83 80.7 63.1 117.1

85 53.4 38.1 70.7



#46

Tetrachloroethene

Concen: 24.826 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD080140.D

Acq: 11 Dec 2024 21:11

Tgt Ion:164 Resp: 87666

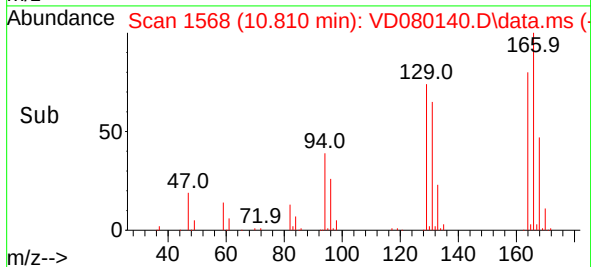
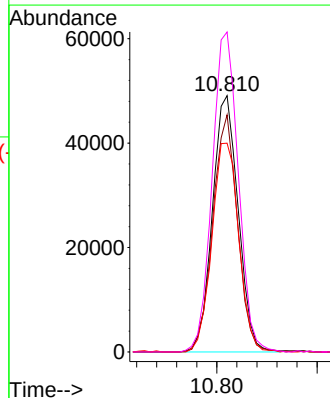
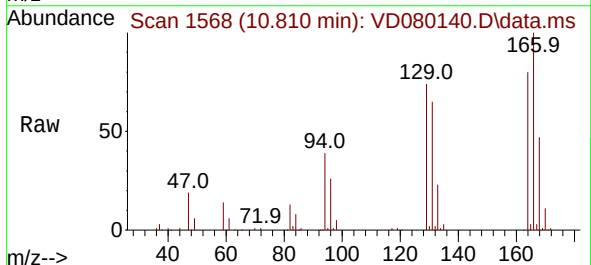
Ion Ratio Lower Upper

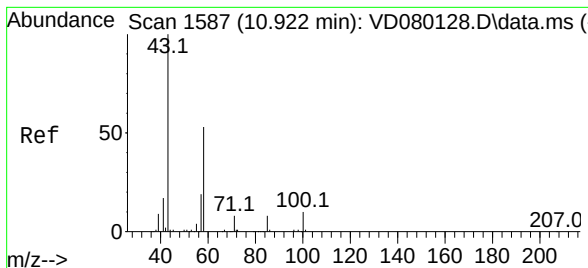
164 100

129 92.5 64.4 119.6

131 81.5 61.6 114.4

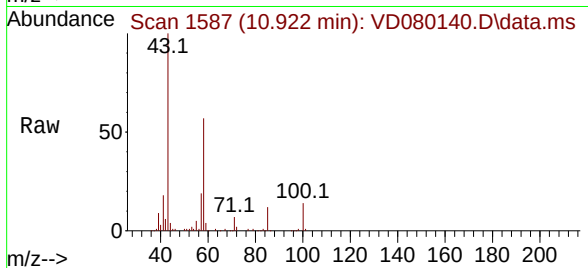
166 124.8 83.3 154.7



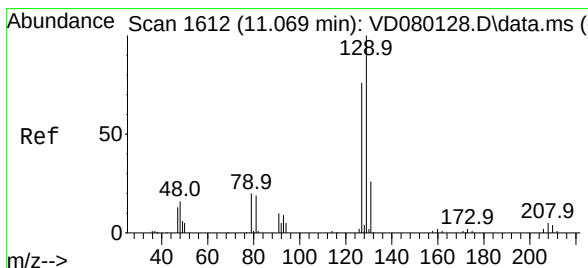
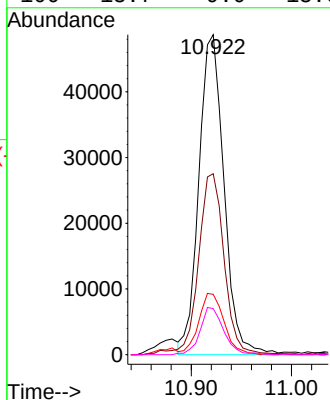
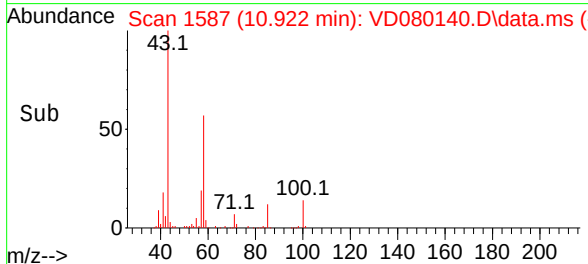


#48
2-Hexanone
Concen: 34.959 ug/L
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD080140.D
Acq: 11 Dec 2024 21:11

Instrument :
MSVOA_D
ClientSampleId :

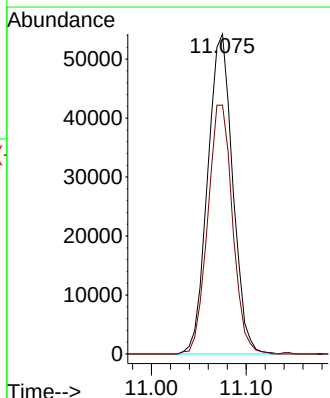
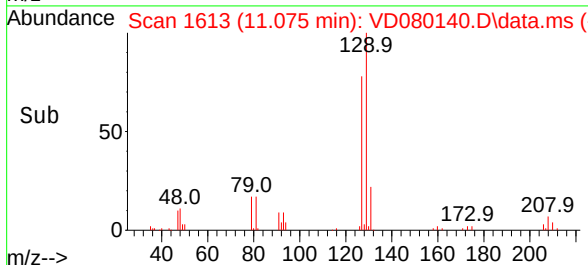
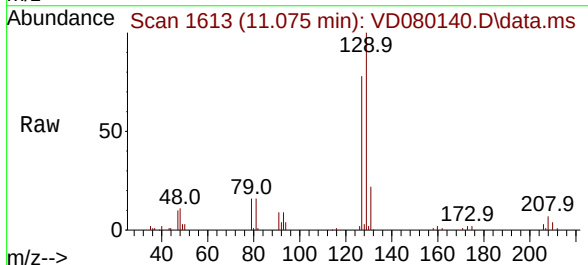


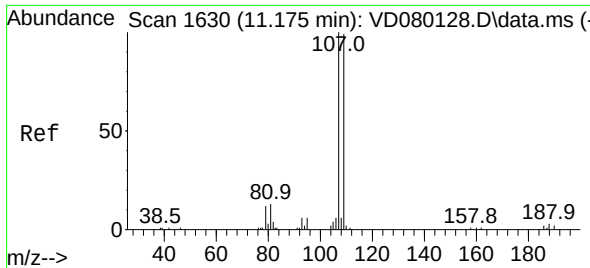
Tgt Ion: 43 Resp: 84871
Ion Ratio Lower Upper
43 100
58 57.4 41.8 62.6
57 19.4 14.8 22.2
100 13.7 9.0 13.6#



#49
Dibromochloromethane
Concen: 23.761 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. 0.006 min
Lab File: VD080140.D
Acq: 11 Dec 2024 21:11

Tgt Ion: 129 Resp: 99712
Ion Ratio Lower Upper
129 100
127 77.8 52.4 97.2

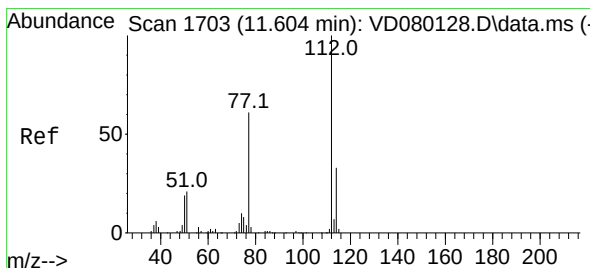
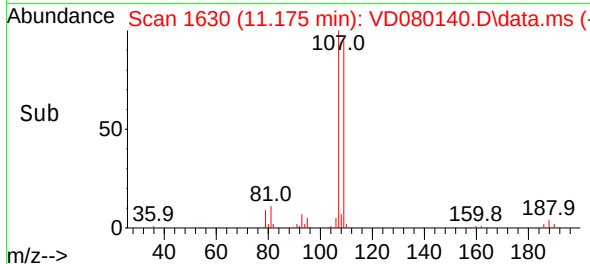
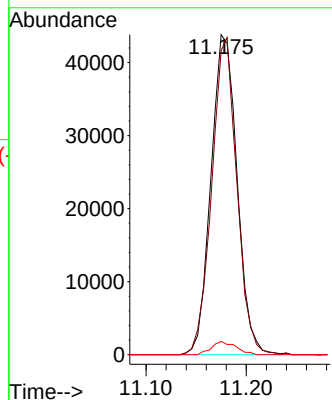
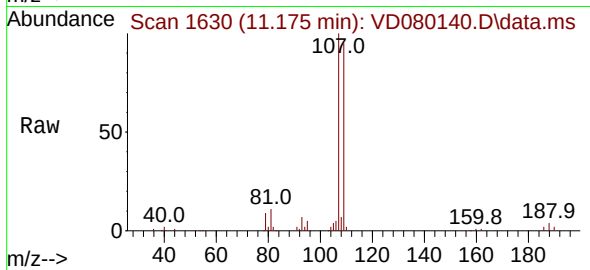




#50
1,2-Dibromoethane
Concen: 23.144 ug/L
RT: 11.175 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VD080140.D
Acq: 11 Dec 2024 21:11

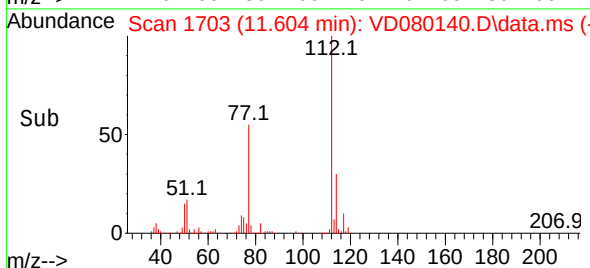
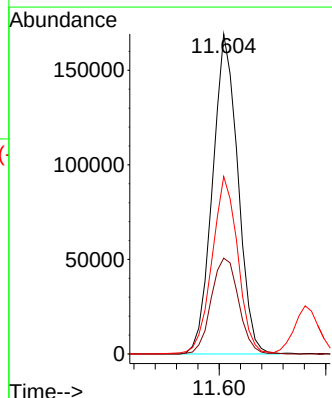
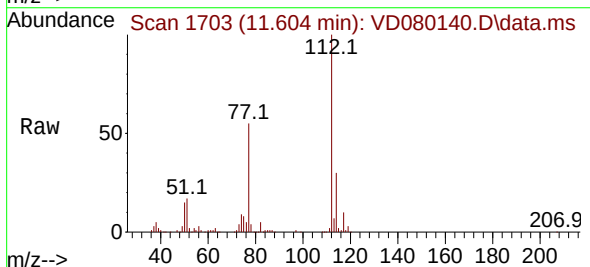
Instrument :
MSVOA_D
ClientSampleId :

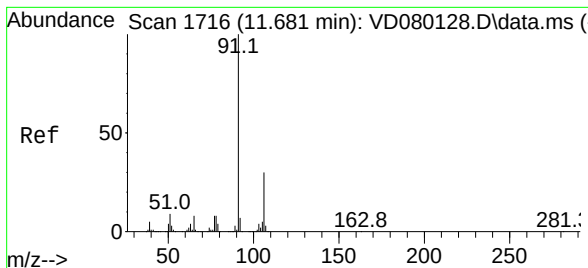
Tgt Ion:107 Resp: 79332
Ion Ratio Lower Upper
107 100
109 95.1 66.2 123.0
188 4.2 2.8 4.2



#51
Chlorobenzene
Concen: 22.880 ug/L
RT: 11.604 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VD080140.D
Acq: 11 Dec 2024 21:11

Tgt Ion:112 Resp: 278715
Ion Ratio Lower Upper
112 100
114 29.9 23.3 43.3
77 55.5 47.8 71.8

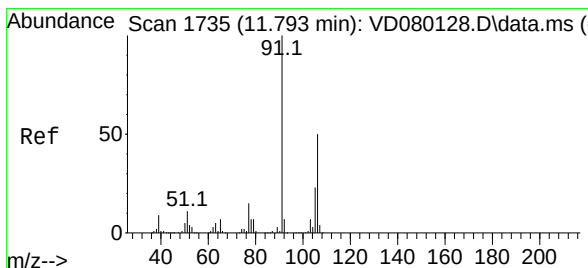
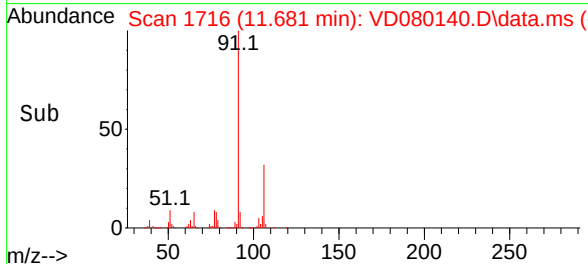
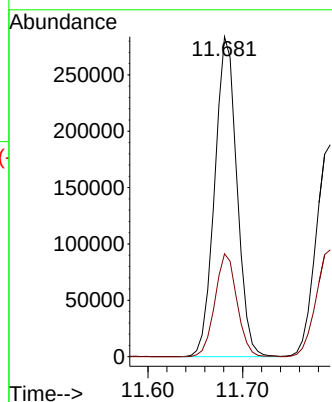
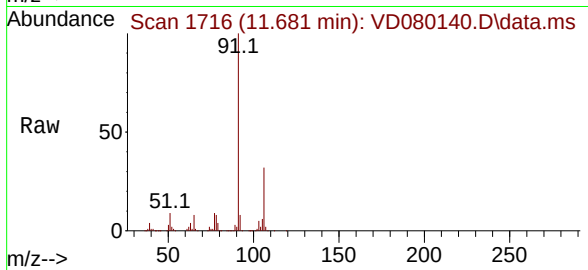




#52
Ethylbenzene
Concen: 22.897 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VD080140.D
Acq: 11 Dec 2024 21:11

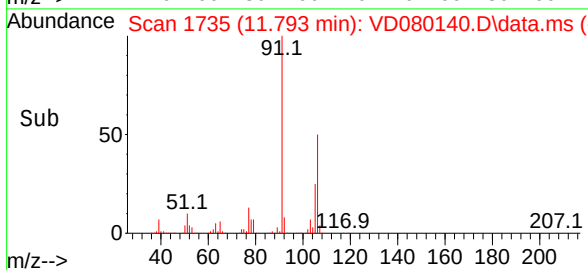
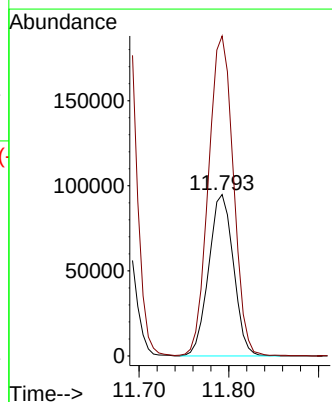
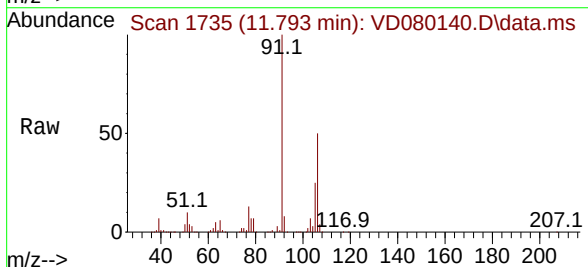
Instrument :
MSVOA_D
ClientSampleId :

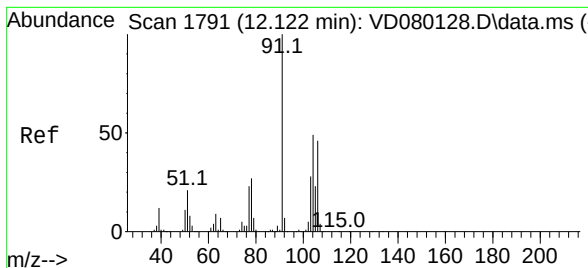
Tgt Ion: 91 Resp: 462776
Ion Ratio Lower Upper
91 100
106 32.2 20.0 37.2



#53
m,p-Xylene
Concen: 23.545 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD080140.D
Acq: 11 Dec 2024 21:11

Tgt Ion:106 Resp: 181938
Ion Ratio Lower Upper
106 100
91 198.2 143.5 266.5

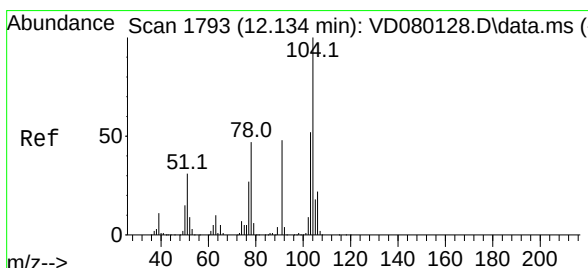
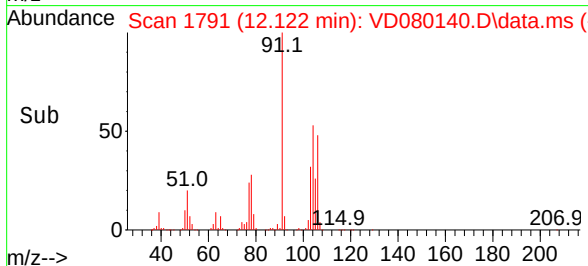
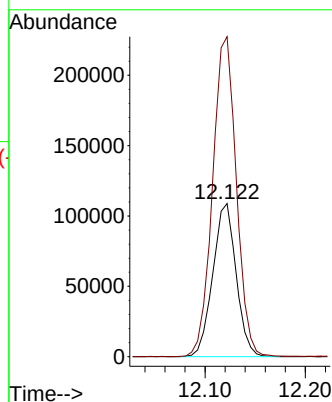
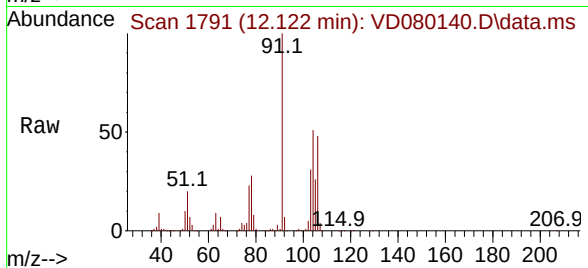




#54
o-Xylene
Concen: 23.688 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD080140.D
Acq: 11 Dec 2024 21:11

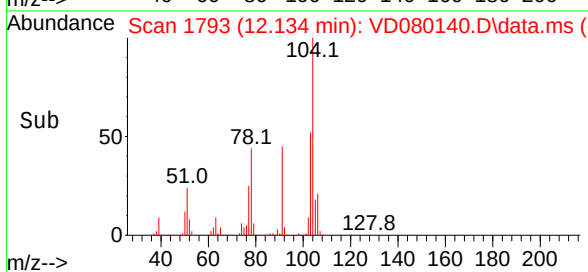
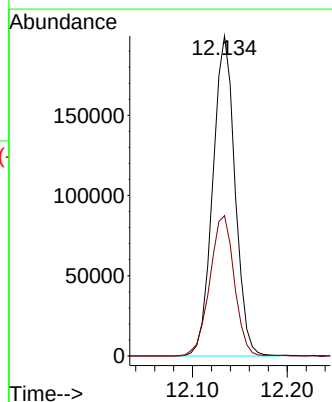
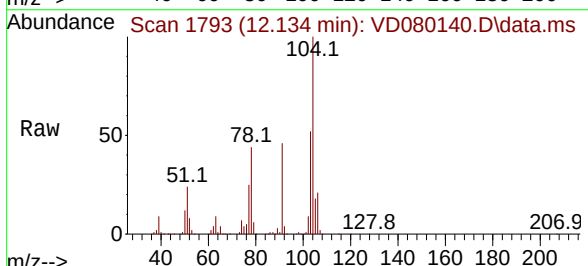
Instrument :
MSVOA_D
ClientSampleId :

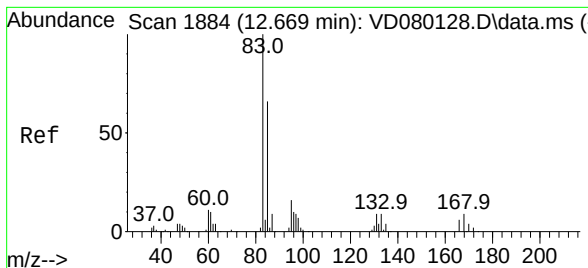
Tgt Ion:106 Resp: 175608
Ion Ratio Lower Upper
106 100
91 208.9 155.8 289.4



#55
Styrene
Concen: 24.191 ug/L
RT: 12.134 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD080140.D
Acq: 11 Dec 2024 21:11

Tgt Ion:104 Resp: 324607
Ion Ratio Lower Upper
104 100
78 43.9 31.2 58.0

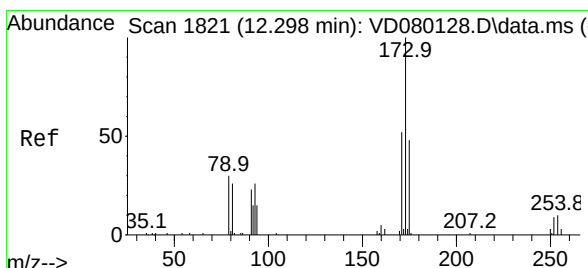
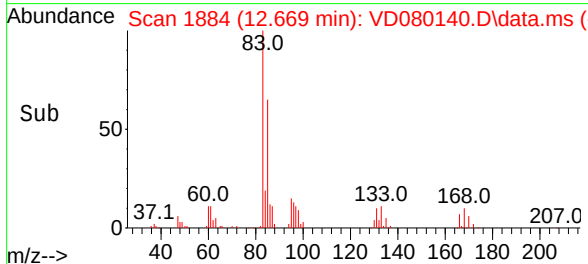
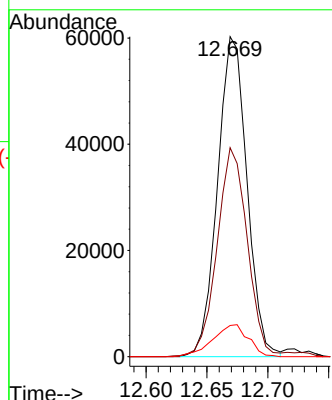
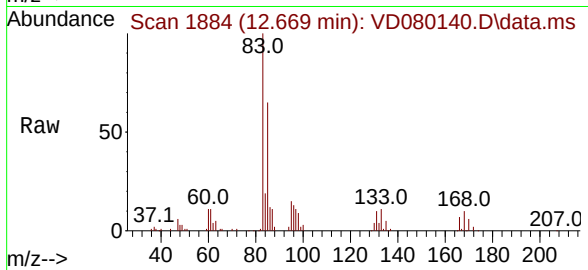




#57
1,1,2,2-Tetrachloroethane
Concen: 20.574 ug/L
RT: 12.669 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VD080140.D
Acq: 11 Dec 2024 21:11

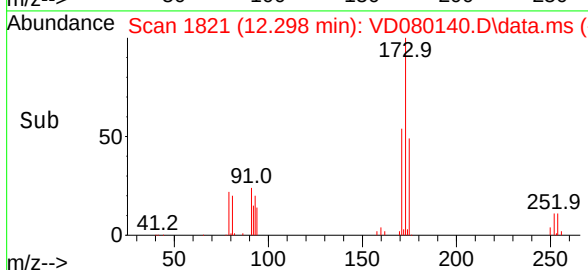
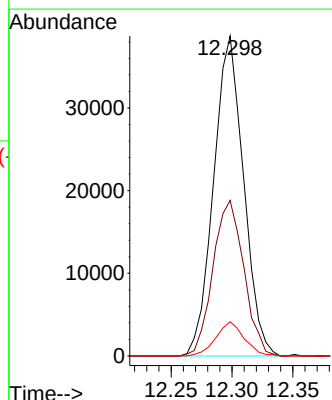
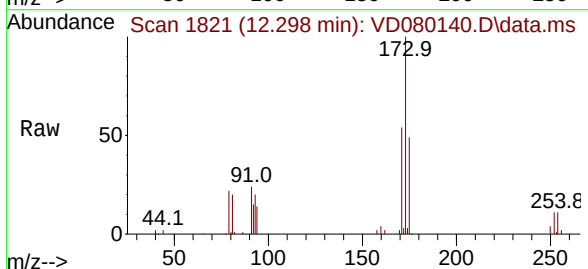
Instrument :
MSVOA_D
ClientSampleId :

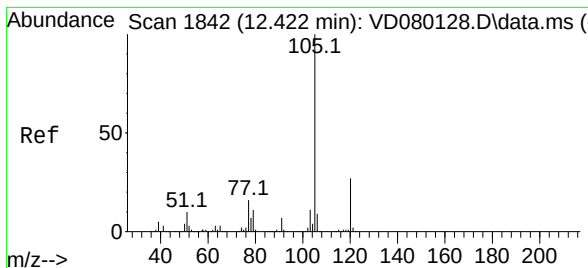
Tgt Ion: 83 Resp: 101335
Ion Ratio Lower Upper
83 100
85 65.3 44.2 82.2
131 9.7 7.1 10.7



#59
Bromoform
Concen: 23.480 ug/L
RT: 12.298 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD080140.D
Acq: 11 Dec 2024 21:11

Tgt Ion:173 Resp: 66260
Ion Ratio Lower Upper
173 100
175 50.0 38.2 57.4
254 10.1 8.5 12.7





#60

Isopropylbenzene

Concen: 22.218 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD080140.D

Acq: 11 Dec 2024 21:11

Instrument :

MSVOA_D

ClientSampleId :

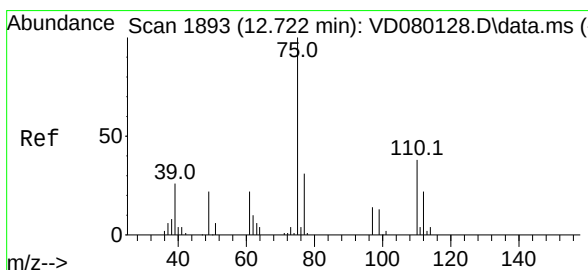
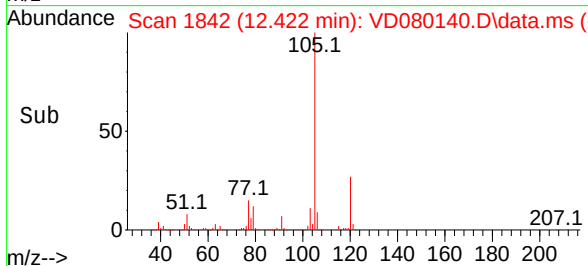
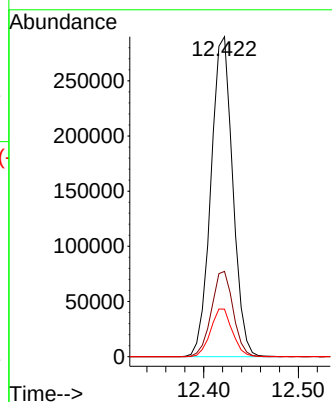
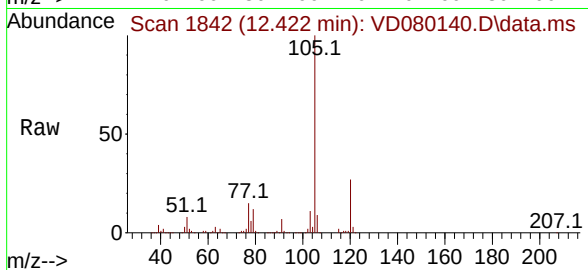
Tgt Ion:105 Resp: 463950

Ion Ratio Lower Upper

105 100

120 26.6 21.0 31.4

77 14.9 12.9 19.3



#61

1,2,3-Trichloropropane

Concen: 19.692 ug/L

RT: 12.722 min Scan# 1893

Delta R.T. 0.000 min

Lab File: VD080140.D

Acq: 11 Dec 2024 21:11

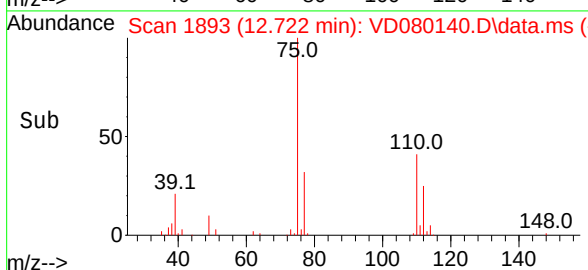
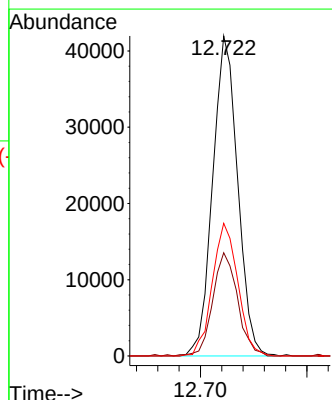
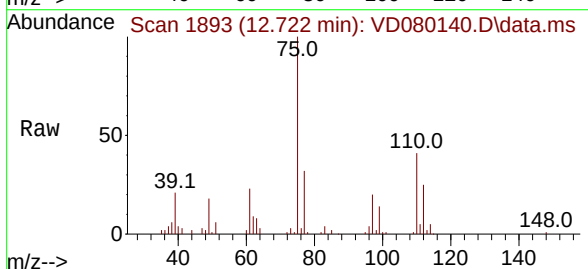
Tgt Ion: 75 Resp: 68249

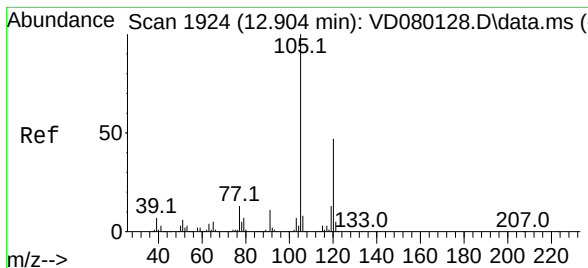
Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.6

110 42.3 30.2 45.2

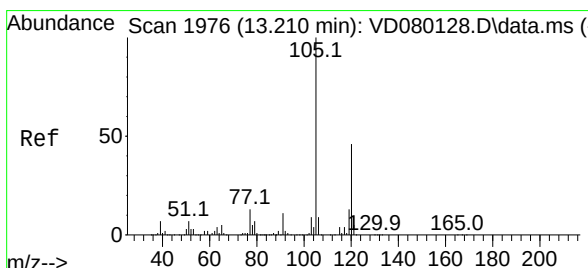
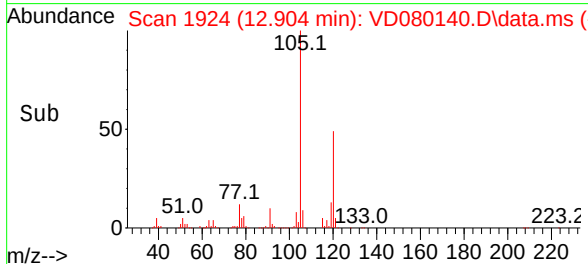
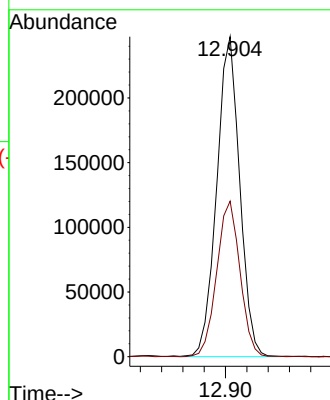
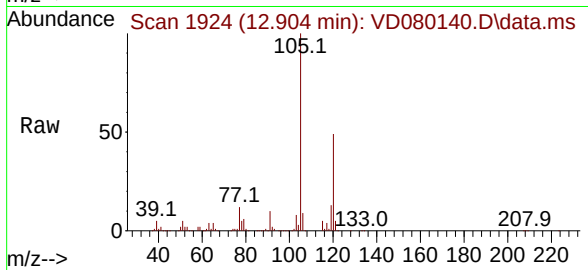




#62
1,3,5-Trimethylbenzene
Concen: 21.274 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD080140.D
Acq: 11 Dec 2024 21:11

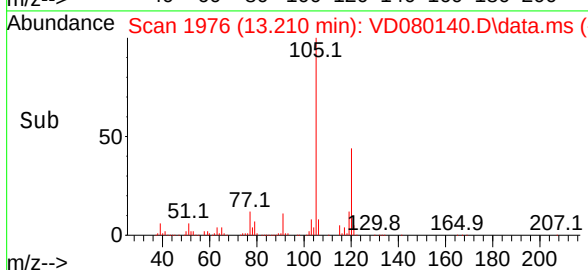
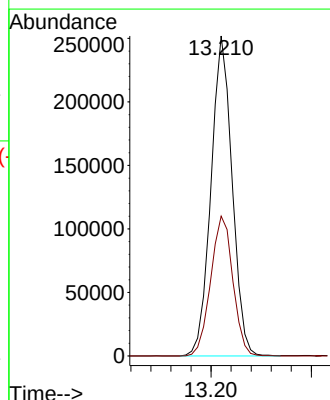
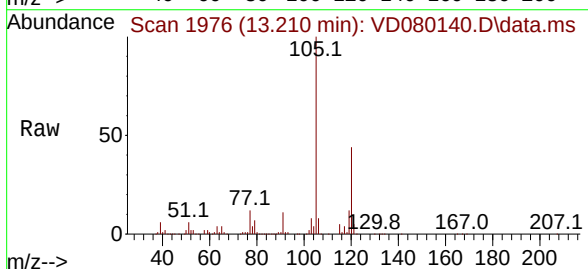
Instrument :
MSVOA_D
ClientSampleId :

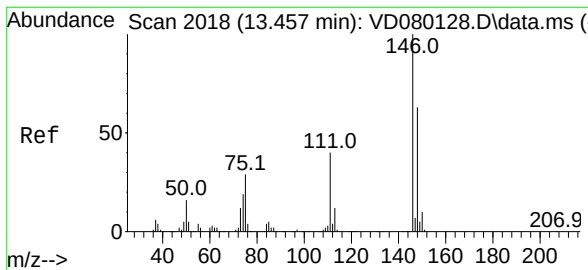
Tgt Ion:105 Resp: 370378
Ion Ratio Lower Upper
105 100
120 49.1 39.4 59.2



#63
1,2,4-Trimethylbenzene
Concen: 22.270 ug/L
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD080140.D
Acq: 11 Dec 2024 21:11

Tgt Ion:105 Resp: 368882
Ion Ratio Lower Upper
105 100
120 45.8 36.4 54.6





#64

1,3-Dichlorobenzene

Concen: 23.190 ug/L

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VD080140.D

Acq: 11 Dec 2024 21:11

Instrument :

MSVOA_D

ClientSampleId :

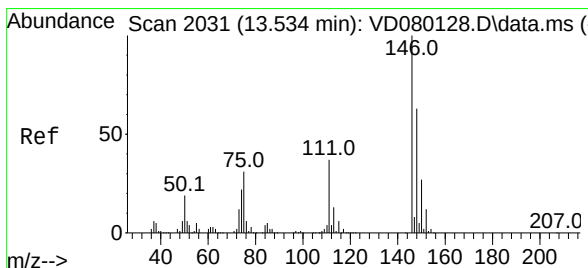
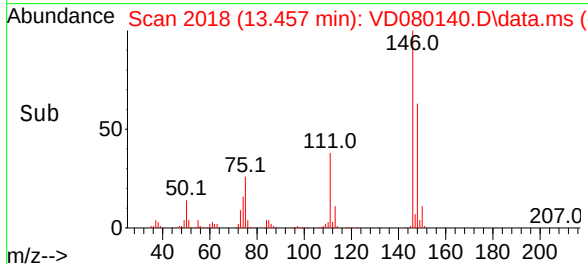
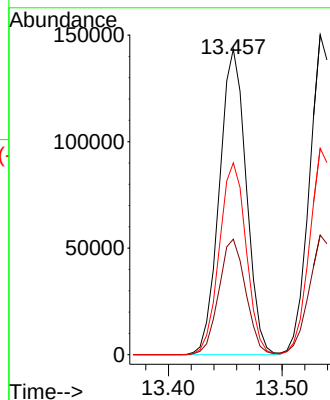
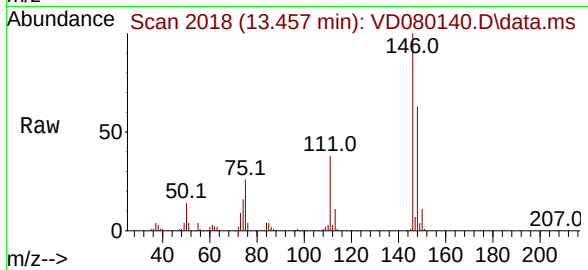
Tgt Ion:146 Resp: 235554

Ion Ratio Lower Upper

146 100

111 37.8 27.0 50.2

148 62.8 44.8 83.2



#65

1,4-Dichlorobenzene

Concen: 22.111 ug/L

RT: 13.534 min Scan# 2031

Delta R.T. 0.000 min

Lab File: VD080140.D

Acq: 11 Dec 2024 21:11

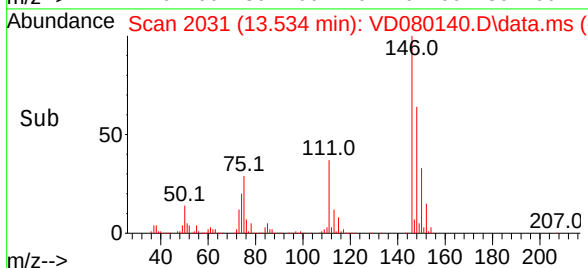
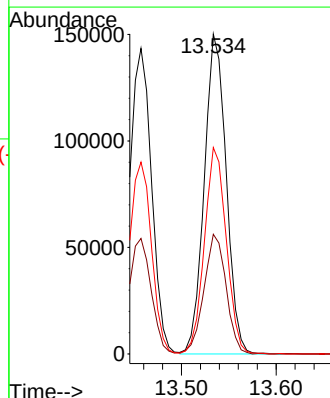
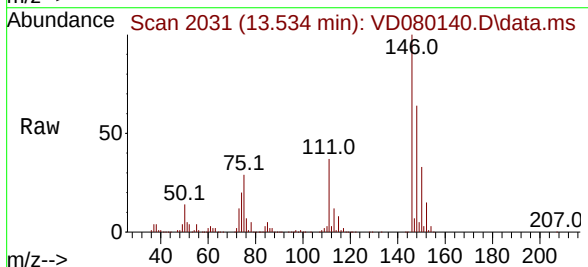
Tgt Ion:146 Resp: 242113

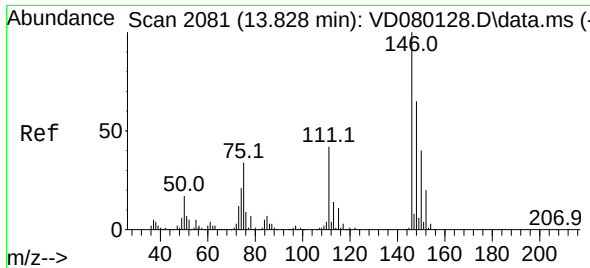
Ion Ratio Lower Upper

146 100

111 37.4 27.0 50.2

148 64.5 45.2 84.0





#67

1,2-Dichlorobenzene

Concen: 22.132 ug/L

RT: 13.828 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VD080140.D

Acq: 11 Dec 2024 21:11

Instrument :

MSVOA_D

ClientSampleId :

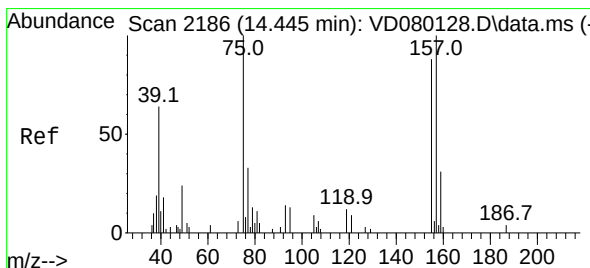
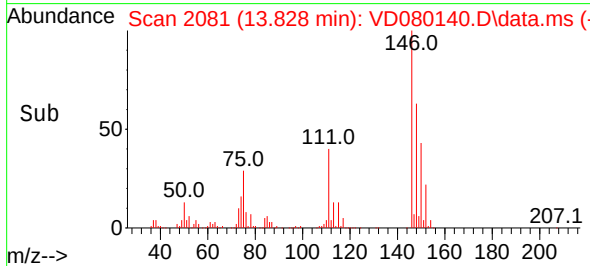
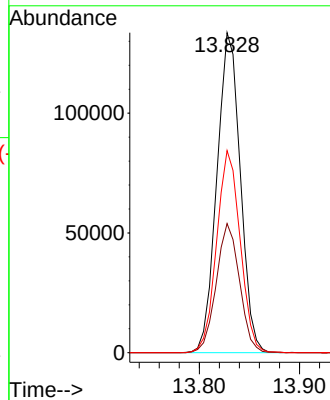
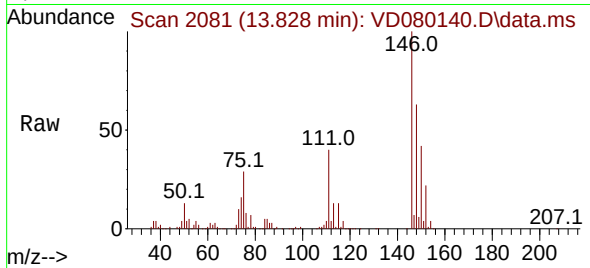
Tgt Ion:146 Resp: 217075

Ion Ratio Lower Upper

146 100

111 40.3 32.8 49.2

148 63.2 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 21.841 ug/L

RT: 14.445 min Scan# 2186

Delta R.T. 0.000 min

Lab File: VD080140.D

Acq: 11 Dec 2024 21:11

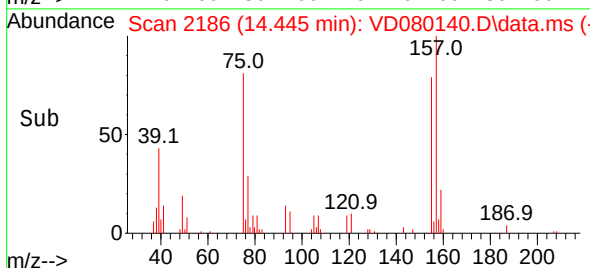
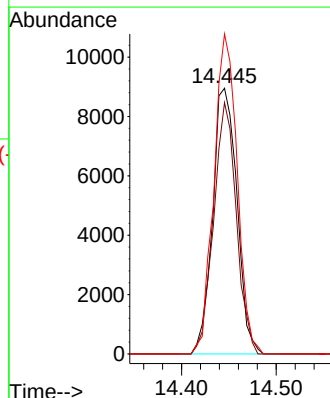
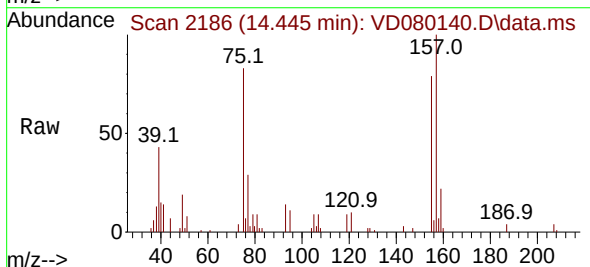
Tgt Ion: 75 Resp: 15936

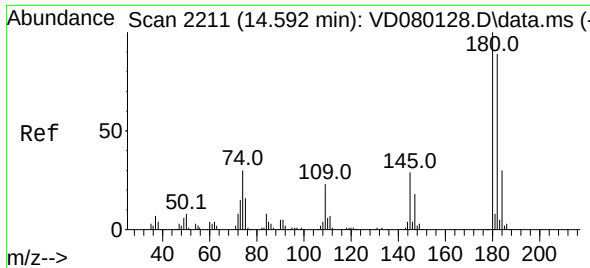
Ion Ratio Lower Upper

75 100

155 94.6 70.5 105.7

157 120.4 86.6 129.8





#69

1,3,5-Trichlorobenzene

Concen: 22.658 ug/L

RT: 14.592 min Scan# 2211

Delta R.T. 0.000 min

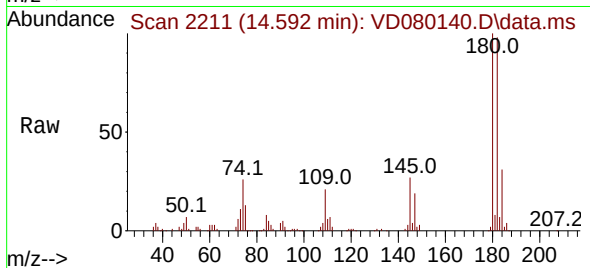
Lab File: VD080140.D

Acq: 11 Dec 2024 21:11

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:180 Resp: 158981

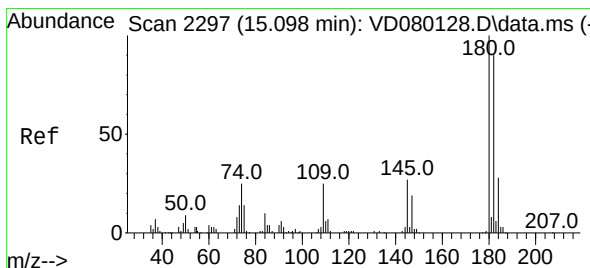
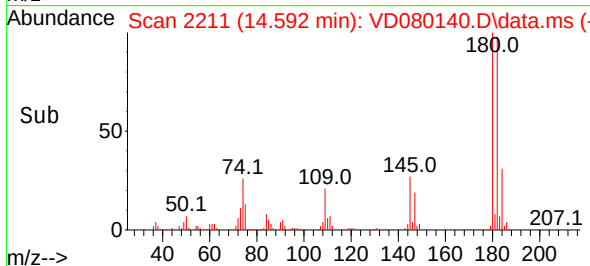
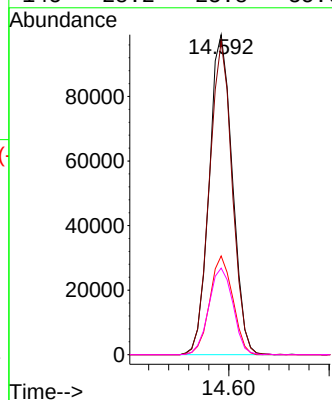
Ion Ratio Lower Upper

180 100

182 96.3 75.0 112.6

184 30.6 23.4 35.2

145 28.2 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 23.876 ug/L

RT: 15.098 min Scan# 2297

Delta R.T. 0.000 min

Lab File: VD080140.D

Acq: 11 Dec 2024 21:11

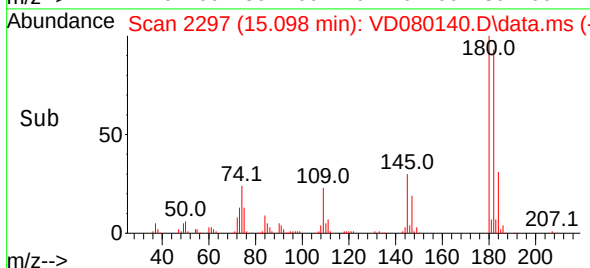
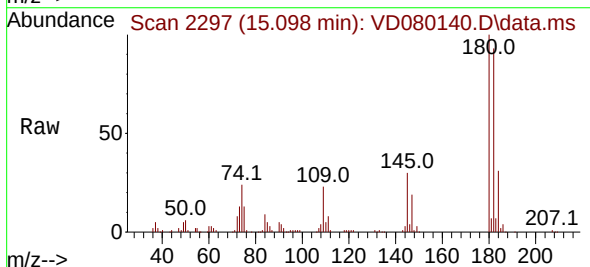
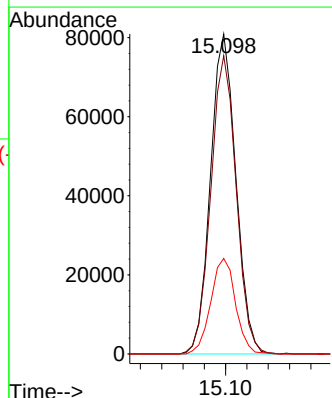
Tgt Ion:180 Resp: 133921

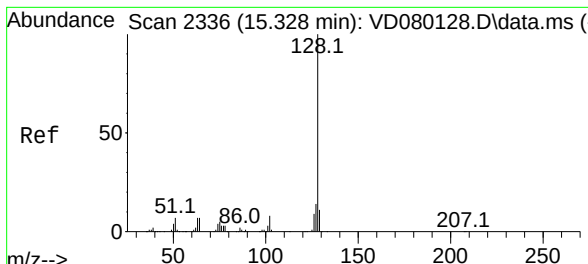
Ion Ratio Lower Upper

180 100

182 93.0 77.0 115.4

145 29.0 23.4 35.2

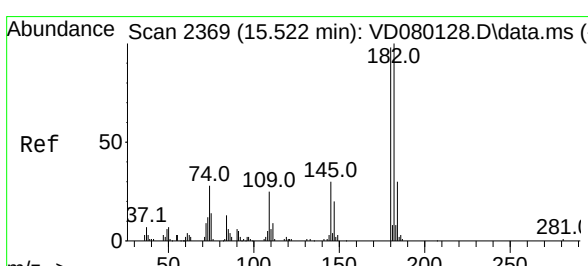
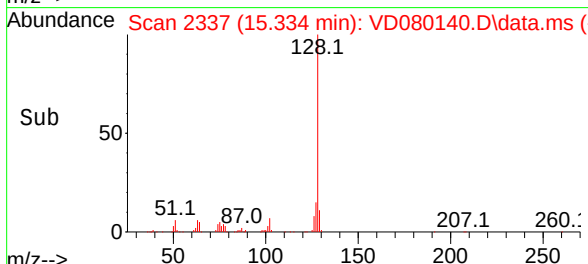
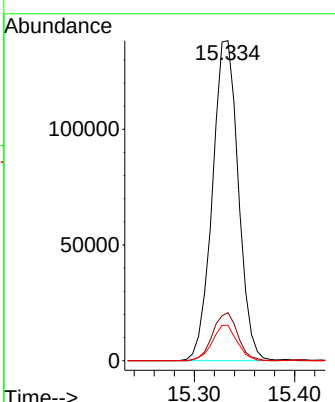
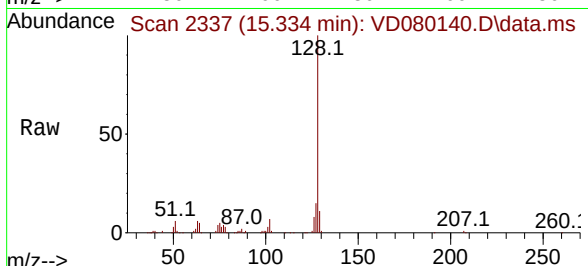




#71
 Naphthalene
 Concen: 23.258 ug/L
 RT: 15.334 min Scan# 24
 Delta R.T. 0.006 min
 Lab File: VD080140.D
 Acq: 11 Dec 2024 21:11

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion:	128	Resp:	247832
Ion Ratio	Lower	Upper	
128	100		
127	14.5	11.2	16.8
129	10.7	8.6	13.0



#72
 1,2,3-Trichlorobenzene
 Concen: 22.988 ug/L
 RT: 15.522 min Scan# 2369
 Delta R.T. 0.000 min
 Lab File: VD080140.D
 Acq: 11 Dec 2024 21:11

Tgt Ion:	180	Resp:	129769
Ion Ratio	Lower	Upper	
180	100		
182	92.1	78.1	117.1
145	30.5	25.8	38.8

