

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121124\
 Data File : VD080123.D
 Acq On : 11 Dec 2024 09:57
 Operator : RP/MD
 Sample : VSTD005
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 12 00:20:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM121124SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 12 00:19:44 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	232621	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	203544	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	102509	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	18752	5.058	ug/L	0.00
7) Chloroethane-d5	2.793	69	15864	4.799	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.911	65	4123	2.892	ug/L	0.00
21) 2-Butanone-d5	6.987	46	3276	4.194	ug/L	0.00
24) Chloroform-d	7.563	84	31897	4.966	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.222	65	17407	5.121	ug/L	0.00
32) Benzene-d6	8.199	84	61241	5.063	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.204	67	19814	4.825	ug/L	0.00
41) Toluene-d8	10.269	98	49274	4.312	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.522	79	7670	4.561	ug/L	0.00
47) 2-Hexanone-d5	10.881	63	4929	7.936	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.645	84	15695	4.466	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.810	152	17157	4.636	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	16004	3.732	ug/L	100
3) Chloromethane	2.146	50	13606	4.037	ug/L	94
5) Vinyl chloride	2.275	62	19098	4.099	ug/L	95
6) Bromomethane	2.681	94	13455	4.333	ug/L	85
8) Chloroethane	2.828	64	13648	4.394	ug/L	99
9) Trichlorofluoromethane	3.169	101	29582	4.351	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	12952	3.214	ug/L #	67
12) 1,1-Dichloroethene	3.934	96	14741	4.191	ug/L	99
13) Acetone	4.022	43	7163	5.098	ug/L	90
14) Carbon disulfide	4.264	76	47762	4.185	ug/L	99
15) Methyl Acetate	4.569	43	7142	4.239	ug/L	94
16) Methylene chloride	4.799	84	20162	5.045	ug/L	93
17) trans-1,2-Dichloroethene	5.311	96	16403	4.595	ug/L	91
18) Methyl tert-butyl Ether	5.316	73	35501	4.633	ug/L #	74
19) 1,1-Dichloroethane	6.111	63	33214	4.890	ug/L	98
20) cis-1,2-Dichloroethene	7.081	96	18891	4.936	ug/L	83
22) 2-Butanone	7.146	43	714	0.511	ug/L	77
23) Bromochloromethane	7.428	128	9651	5.174	ug/L	86
25) Chloroform	7.593	83	40072	5.218	ug/L	92
27) 1,2-Dichloroethane	8.322	62	22272	5.071	ug/L	100
29) Cyclohexane	7.875	56	19688	4.064	ug/L #	78
30) 1,1,1-Trichloroethane	7.793	97	30008	5.091	ug/L	96
31) Carbon tetrachloride	7.993	117	24229	4.959	ug/L	99
33) Benzene	8.246	78	72104	4.905	ug/L	100
34) Trichloroethene	9.028	95	18915	4.734	ug/L	98
35) Methylcyclohexane	9.275	83	23506	3.983	ug/L	98
37) 1,2-Dichloropropane	9.304	63	20805	4.939	ug/L #	96
38) Bromodichloromethane	9.581	83	26635	5.015	ug/L #	98
39) cis-1,3-Dichloropropene	10.016	75	26200	4.359	ug/L	98
40) 4-Methyl-2-pentanone	10.157	43	19838	8.518	ug/L	99
42) Toluene	10.334	91	66968	4.199	ug/L	97
44) trans-1,3-Dichloropropene	10.551	75	21535	4.349	ug/L	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121124\
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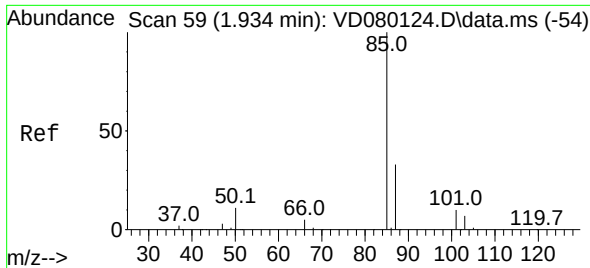
Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 12 00:20:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM121124SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 12 00:19:44 2024
 Response via : Initial Calibration

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

45) 1,1,2-Trichloroethane	10.734	97	14356	4.739	ug/L	91
46) Tetrachloroethene	10.810	164	12306	4.447	ug/L	96
48) 2-Hexanone	10.916	43	14331	7.714	ug/L #	88
49) Dibromochloromethane	11.069	129	15343	4.666	ug/L	89
50) 1,2-Dibromoethane	11.181	107	13428	4.999	ug/L #	86
51) Chlorobenzene	11.604	112	45432	4.759	ug/L	95
52) Ethylbenzene	11.681	91	65875	4.159	ug/L	91
53) m,p-Xylene	11.787	106	24795	4.095	ug/L	99
54) o-Xylene	12.116	106	23618	4.065	ug/L	83
55) Styrene	12.134	104	41368	3.934	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.675	83	18760	4.861	ug/L #	91
59) Bromoform	12.298	173	9411	4.773	ug/L #	92
60) Isopropylbenzene	12.416	105	60648	4.157	ug/L	99
61) 1,2,3-Trichloropropane	12.722	75	11864	4.693	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	56084	4.610	ug/L	99
63) 1,2,4-Trimethylbenzene	13.210	105	48092	4.155	ug/L	98
64) 1,3-Dichlorobenzene	13.457	146	34027	4.794	ug/L	96
65) 1,4-Dichlorobenzene	13.534	146	38901	5.084	ug/L	99
67) 1,2-Dichlorobenzene	13.828	146	32514	4.744	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.445	75	2718	5.331	ug/L	91
69) 1,3,5-Trichlorobenzene	14.592	180	21223	4.329	ug/L	98
70) 1,2,4-trichlorobenzene	15.098	180	17583	4.487	ug/L	96
71) Naphthalene	15.328	128	32881	4.416	ug/L	98
72) 1,2,3-Trichlorobenzene	15.522	180	19828	5.027	ug/L	95

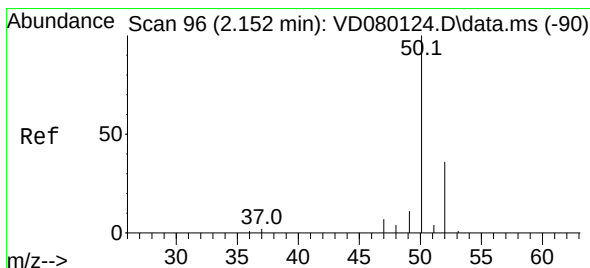
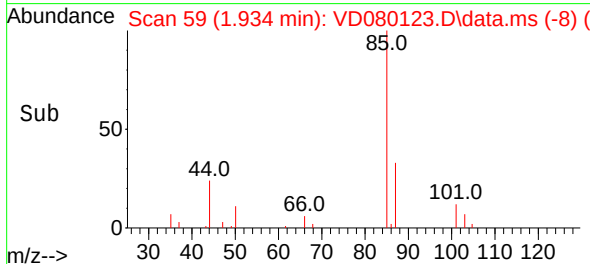
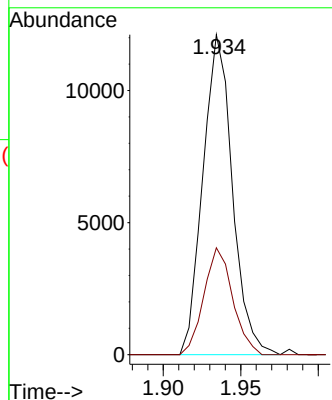
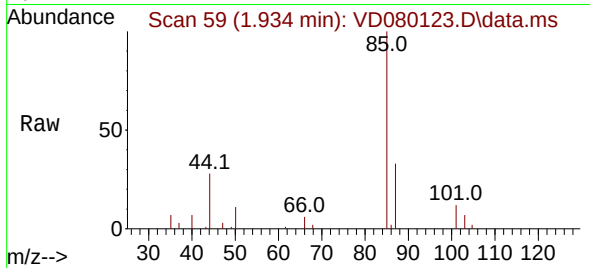
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 3.732 ug/L
 RT: 1.934 min Scan# 59
 Delta R.T. 0.000 min
 Lab File: VD080123.D
 Acq: 11 Dec 2024 09:57

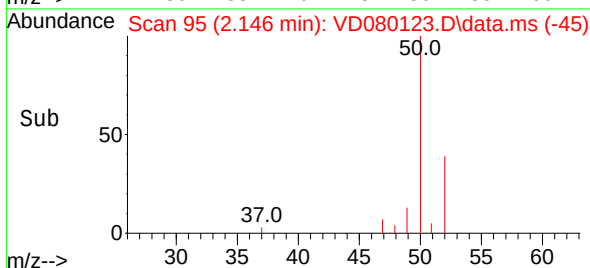
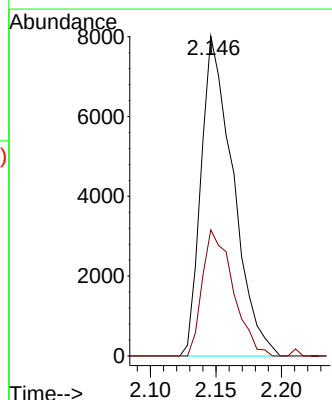
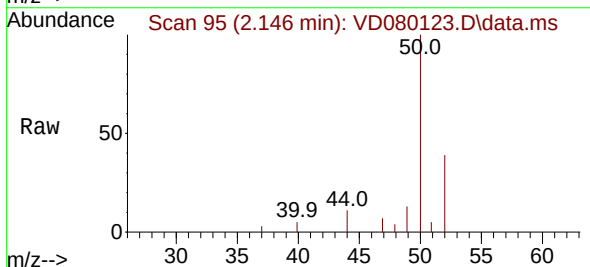
Instrument :
 MSVOA_D
 ClientSampleId :

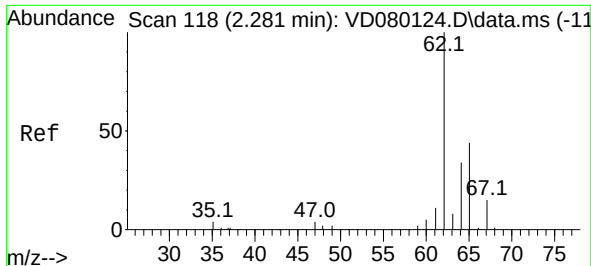
Tgt Ion: 85 Resp: 16004
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.2 39.2



#3
 Chloromethane
 Concen: 4.037 ug/L
 RT: 2.146 min Scan# 95
 Delta R.T. -0.006 min
 Lab File: VD080123.D
 Acq: 11 Dec 2024 09:57

Tgt Ion: 50 Resp: 13606
 Ion Ratio Lower Upper
 50 100
 52 39.4 25.1 46.7

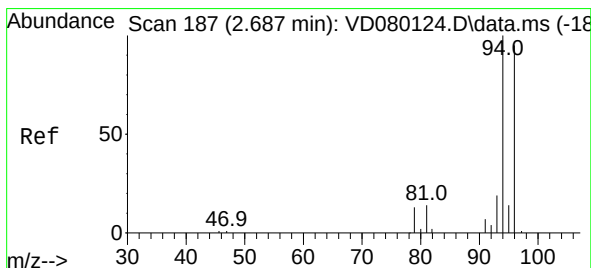
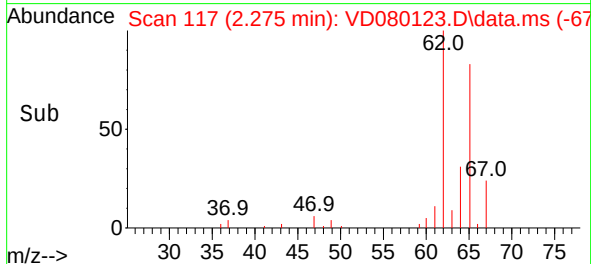
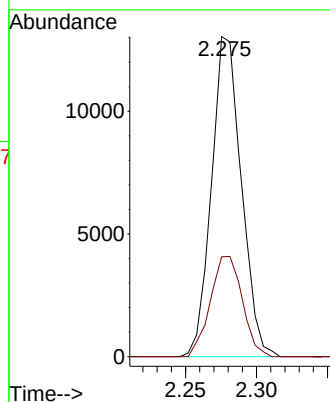
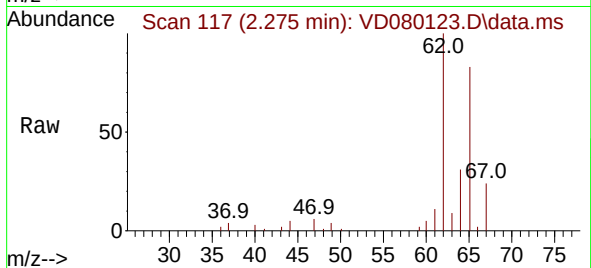




#5
 Vinyl chloride
 Concen: 4.099 ug/L
 RT: 2.275 min Scan# 118
 Delta R.T. -0.006 min
 Lab File: VD080123.D
 Acq: 11 Dec 2024 09:57

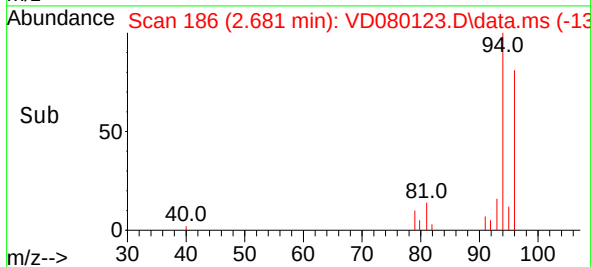
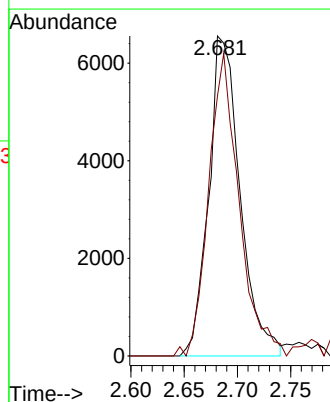
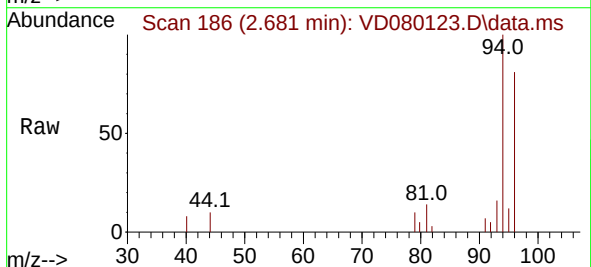
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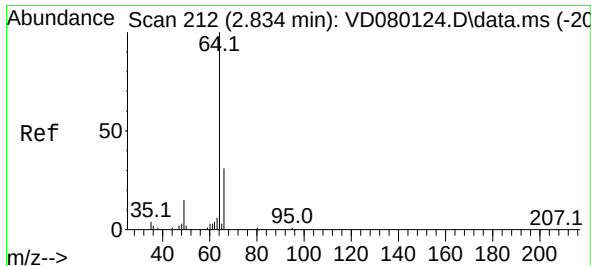
Tgt Ion: 62 Resp: 19098
 Ion Ratio Lower Upper
 62 100
 64 31.2 24.0 44.6



#6
 Bromomethane
 Concen: 4.333 ug/L
 RT: 2.681 min Scan# 186
 Delta R.T. -0.006 min
 Lab File: VD080123.D
 Acq: 11 Dec 2024 09:57

Tgt Ion: 94 Resp: 13455
 Ion Ratio Lower Upper
 94 100
 96 81.3 66.8 124.0





#8

Chloroethane

Concen: 4.394 ug/L

RT: 2.828 min Scan# 211

Delta R.T. -0.006 min

Lab File: VD080123.D

Acq: 11 Dec 2024 09:57

Instrument :

MSVOA_D

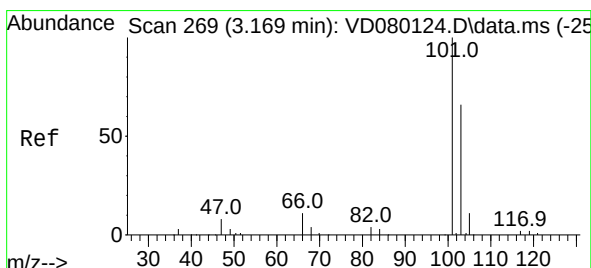
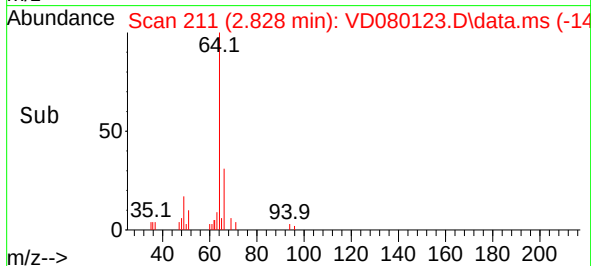
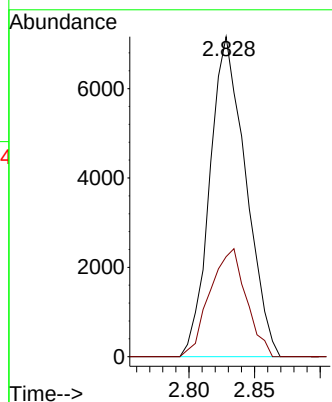
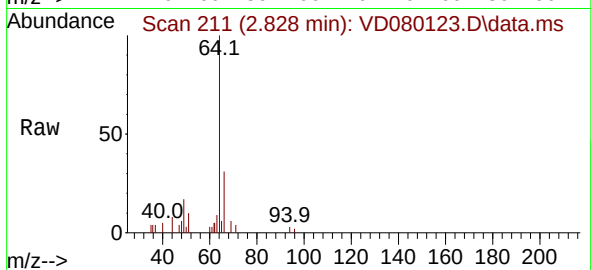
ClientSampleId :

Tgt Ion: 64 Resp: 13648

Ion Ratio Lower Upper

64 100

66 31.3 21.3 39.6



#9

Trichlorofluoromethane

Concen: 4.351 ug/L

RT: 3.169 min Scan# 269

Delta R.T. 0.000 min

Lab File: VD080123.D

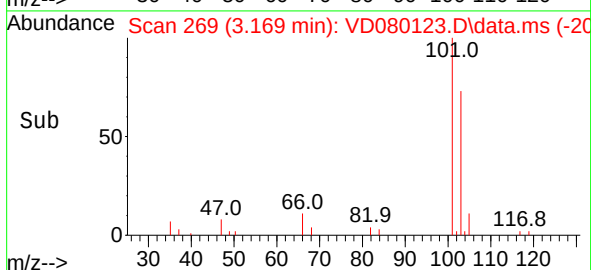
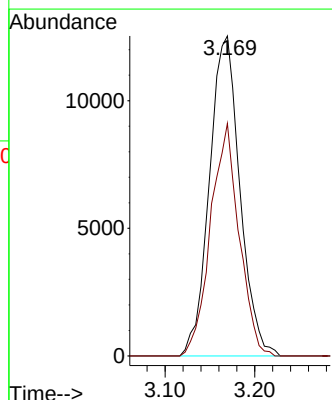
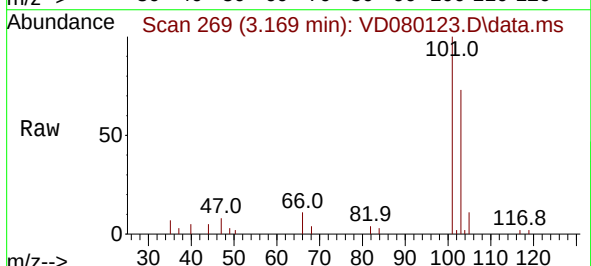
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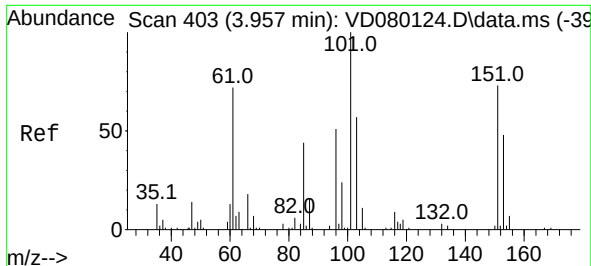
Tgt Ion:101 Resp: 29582

Ion Ratio Lower Upper

101 100

103 68.0 52.5 78.7





#10

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

Concen: 3.214 ug/L

RT: 3.964 min Scan# 403

Delta R.T. 0.006 min

Lab File: VD080123.D

Acq: 11 Dec 2024 09:57

Instrument :

MSVOA_D

ClientSampleId :

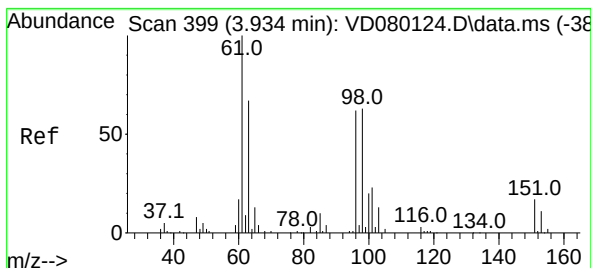
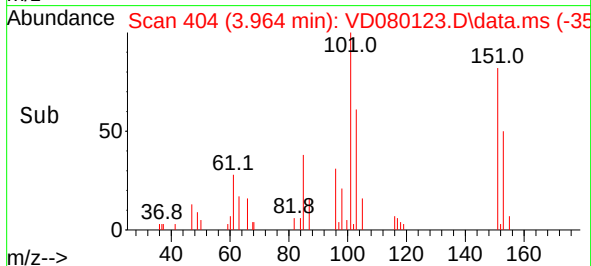
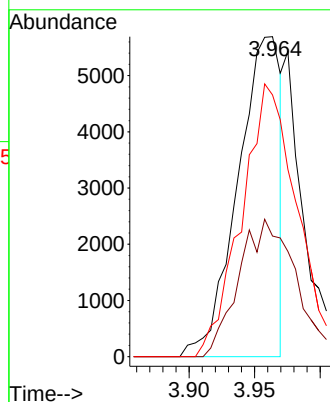
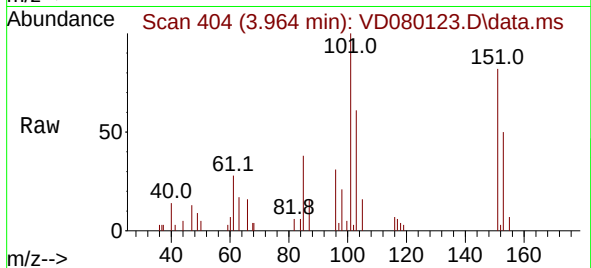
Tgt Ion:101 Resp: 12952

Ion Ratio Lower Upper

101 100

85 57.1 35.8 53.6#

151 109.5 59.8 89.6#



#12

1,1-Dichloroethene

Concen: 4.191 ug/L

RT: 3.934 min Scan# 399

Delta R.T. 0.000 min

Lab File: VD080123.D

Acq: 11 Dec 2024 09:57

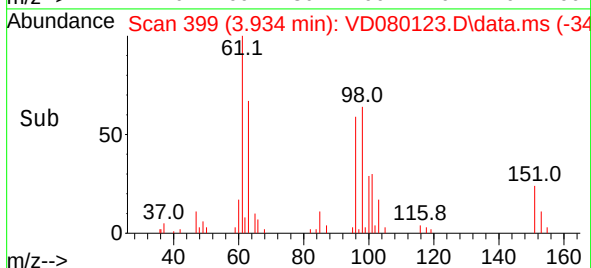
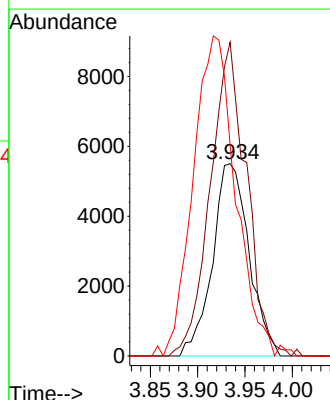
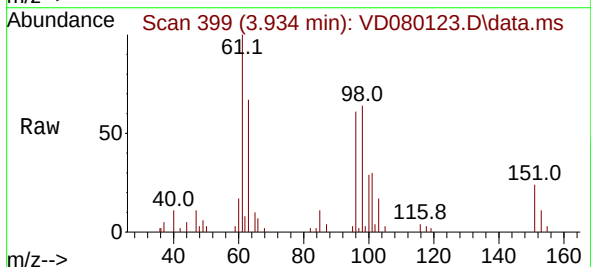
Tgt Ion: 96 Resp: 14741

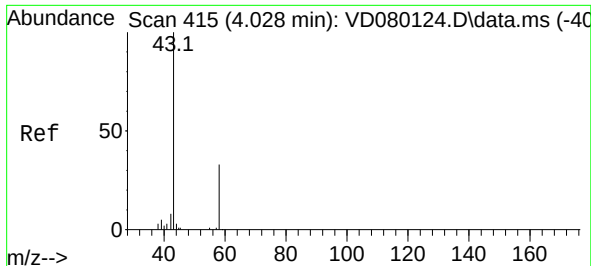
Ion Ratio Lower Upper

96 100

61 163.2 113.8 211.3

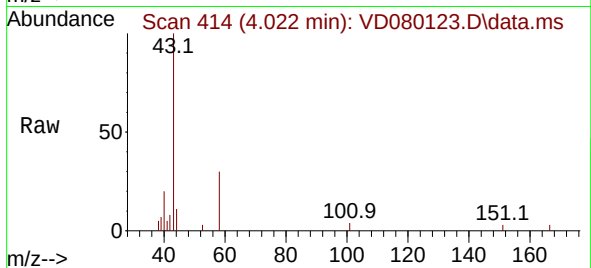
63 109.7 78.5 145.7



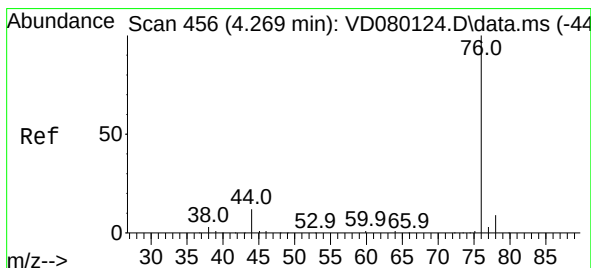
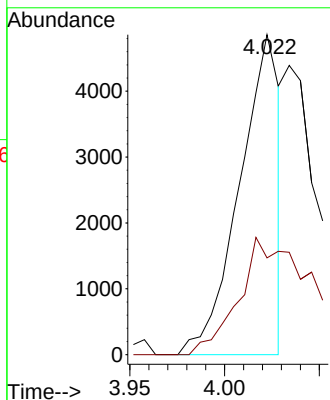
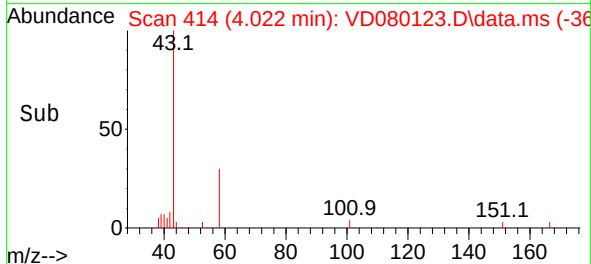


#13
Acetone
Concen: 5.098 ug/L
RT: 4.022 min Scan# 415
Delta R.T. -0.006 min
Lab File: VD080123.D
Acq: 11 Dec 2024 09:57

Instrument :
MSVOA_D
ClientSampleId :

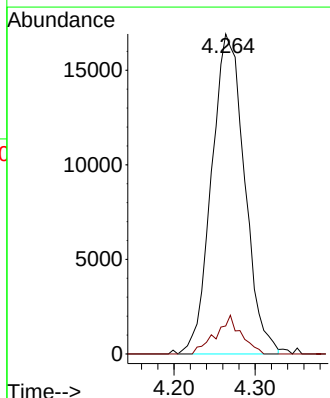
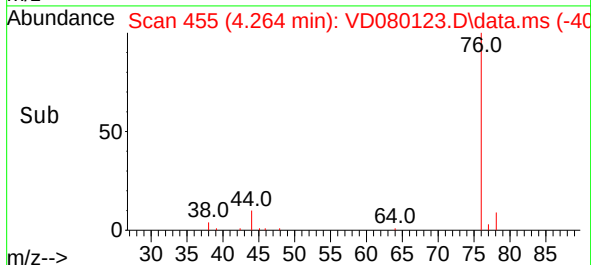
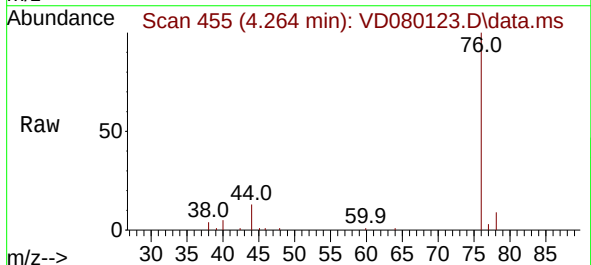


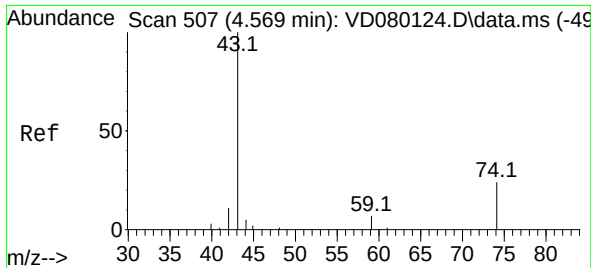
Tgt Ion: 43 Resp: 7163
Ion Ratio Lower Upper
43 100
58 28.5 0.0 69.0



#14
Carbon disulfide
Concen: 4.185 ug/L
RT: 4.264 min Scan# 455
Delta R.T. -0.006 min
Lab File: VD080123.D
Acq: 11 Dec 2024 09:57

Tgt Ion: 76 Resp: 47762
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9

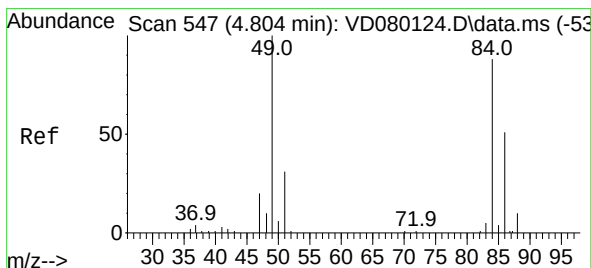
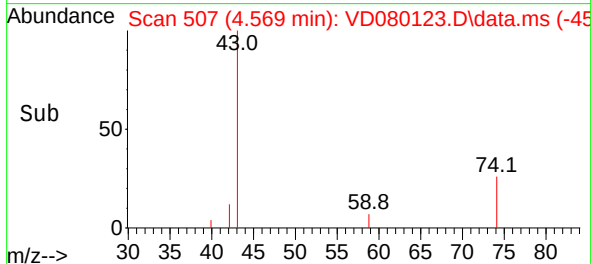
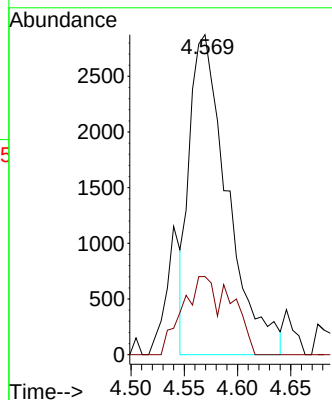
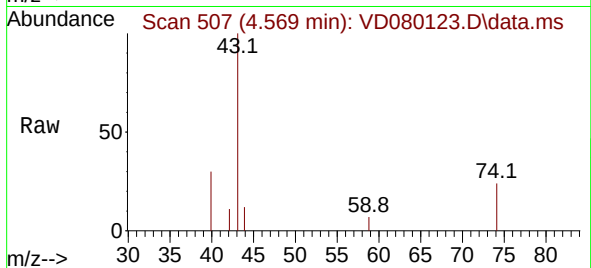




#15
Methyl Acetate
Concen: 4.239 ug/L
RT: 4.569 min Scan# 507
Delta R.T. 0.000 min
Lab File: VD080123.D
Acq: 11 Dec 2024 09:57

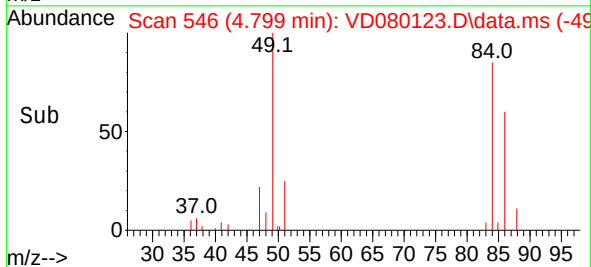
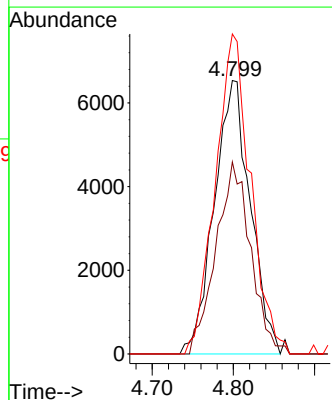
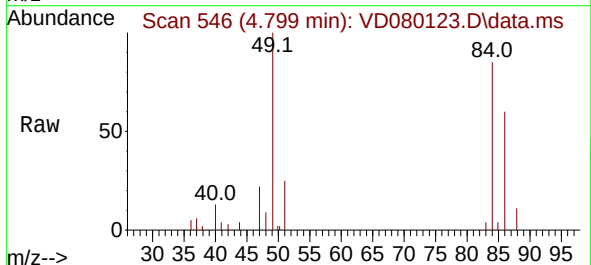
Instrument :
MSVOA_D
ClientSampleId :

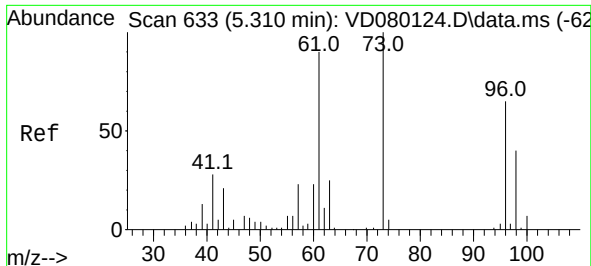
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Ion Ratio Lower Upper
43 100
74 20.8 19.0 28.4



#16
Methylene chloride
Concen: 5.045 ug/L
RT: 4.799 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD080123.D
Acq: 11 Dec 2024 09:57

Tgt Ion: 84 Resp: 20162
Ion Ratio Lower Upper
84 100
86 70.2 40.7 75.7
49 117.0 79.9 148.5





#17

trans-1,2-Dichloroethene

Concen: 4.595 ug/L

RT: 5.311 min Scan# 61

Delta R.T. 0.000 min

Lab File: VD080123.D

Acq: 11 Dec 2024 09:57

Instrument :

MSVOA_D

ClientSampleId :

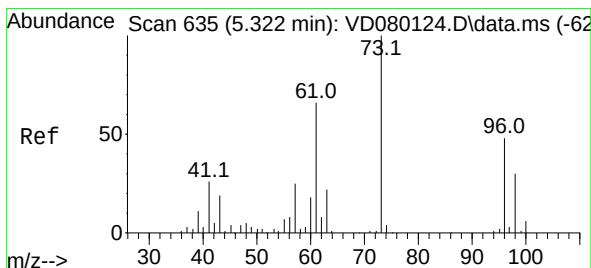
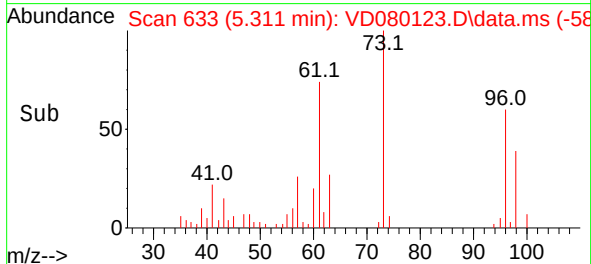
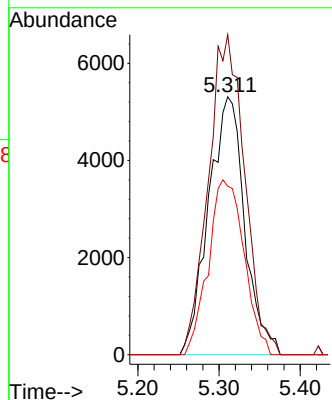
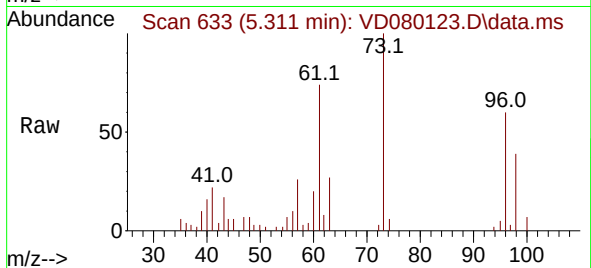
Tgt Ion: 96 Resp: 16403

Ion Ratio Lower Upper

96 100

61 124.1 97.4 181.0

98 65.3 44.3 82.3



#18

Methyl tert-butyl Ether

Concen: 4.633 ug/L

RT: 5.316 min Scan# 634

Delta R.T. -0.006 min

Lab File: VD080123.D

Acq: 11 Dec 2024 09:57

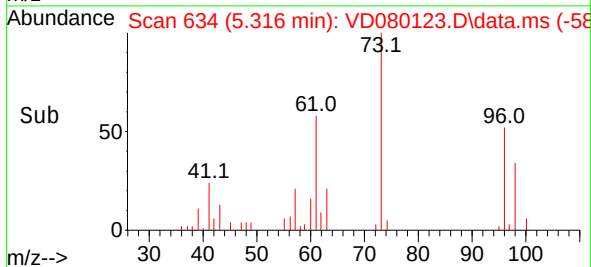
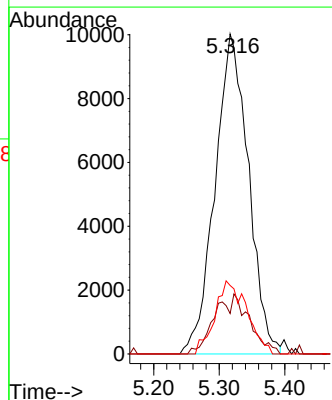
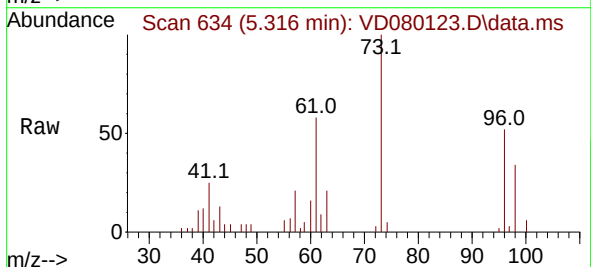
Tgt Ion: 73 Resp: 35501

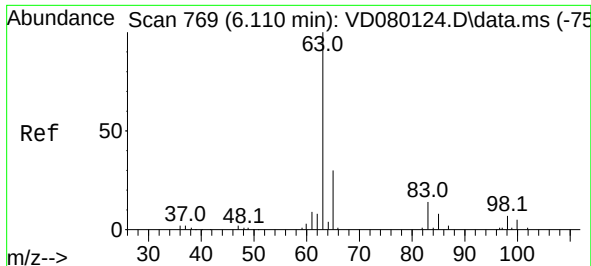
Ion Ratio Lower Upper

73 100

43 1.5 0.0 0.0#

57 10.7 18.9 28.3#

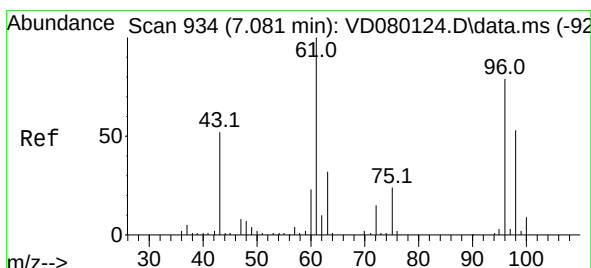
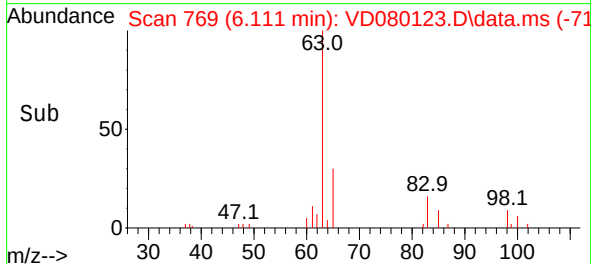
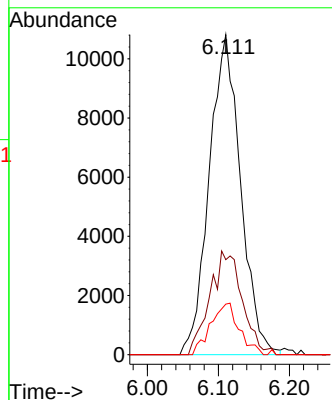
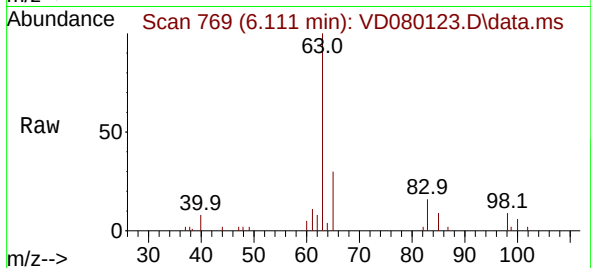




#19
1,1-Dichloroethane
Concen: 4.890 ug/L
RT: 6.111 min Scan# 769
Delta R.T. 0.000 min
Lab File: VD080123.D
Acq: 11 Dec 2024 09:57

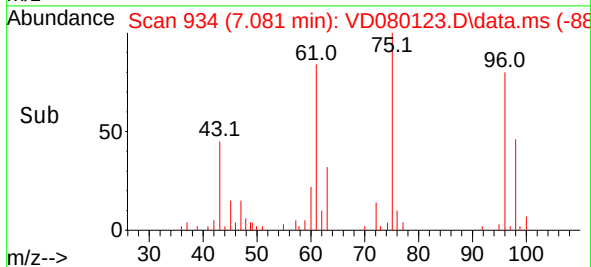
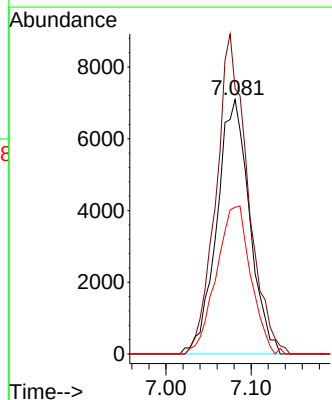
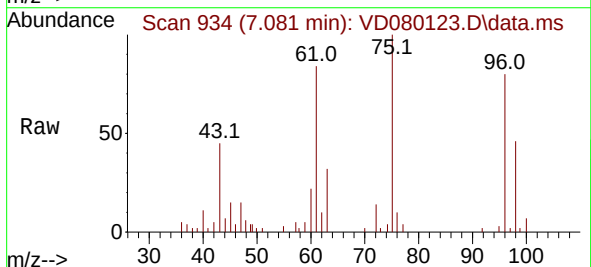
Instrument :
MSVOA_D
ClientSampleId :

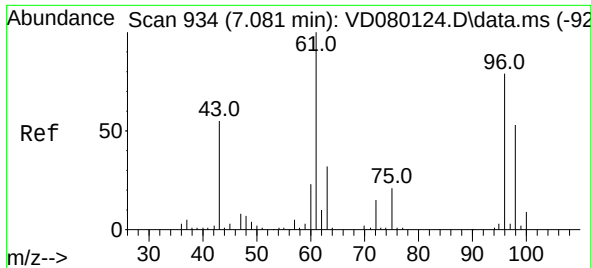
Tgt Ion:	63	Resp:	33214
Ion	Ratio	Lower	Upper
63	100		
65	29.7	21.1	39.1
83	15.8	9.9	18.5



#20
cis-1,2-Dichloroethene
Concen: 4.936 ug/L
RT: 7.081 min Scan# 934
Delta R.T. 0.000 min
Lab File: VD080123.D
Acq: 11 Dec 2024 09:57

Tgt Ion:	96	Resp:	18891
Ion	Ratio	Lower	Upper
96	100		
61	104.4	89.1	165.5
98	57.7	47.3	87.8

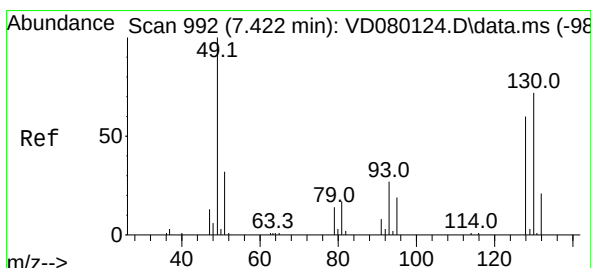
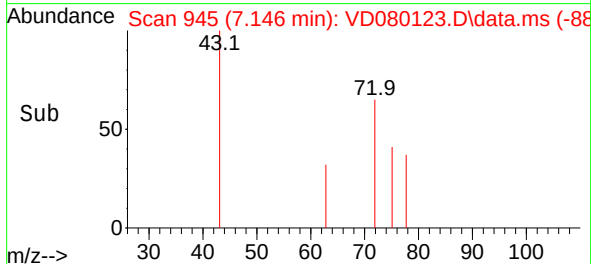
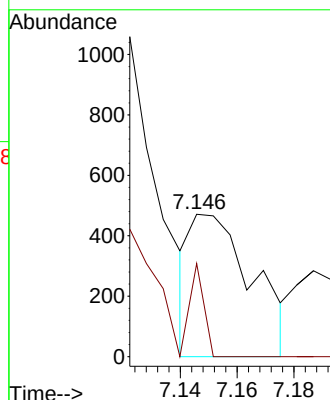
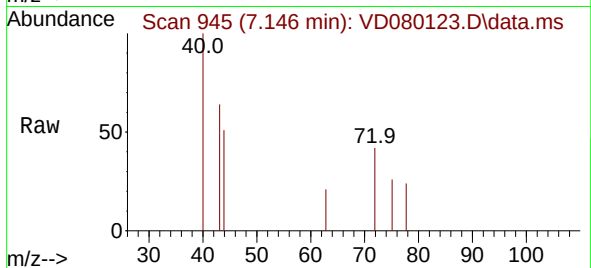




#22
2-Butanone
Concen: 0.511 ug/L
RT: 7.146 min Scan# 945
Delta R.T. 0.065 min
Lab File: VD080123.D
Acq: 11 Dec 2024 09:57

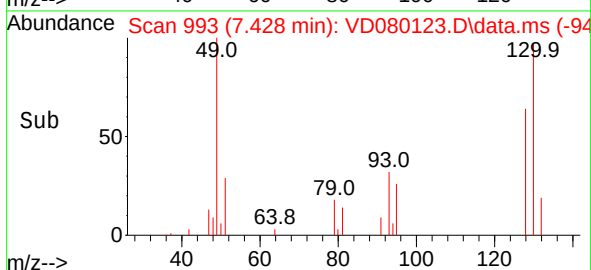
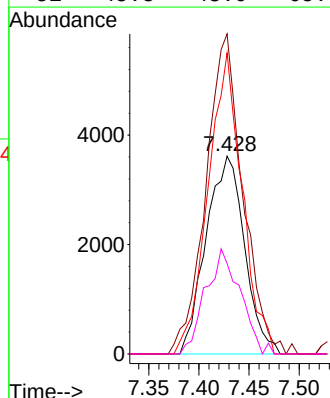
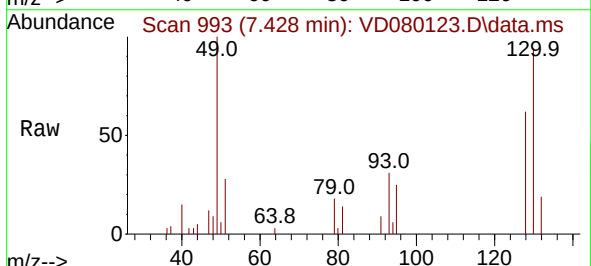
Instrument :
MSVOA_D
ClientSampleId :

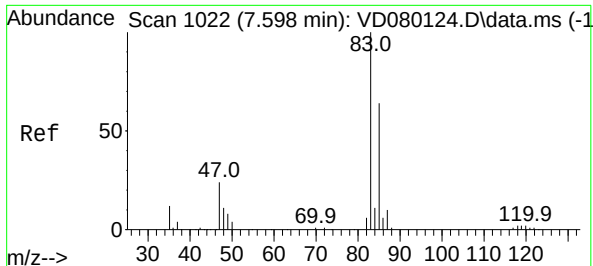
Tgt Ion: 43 Resp: 714
Ion Ratio Lower Upper
43 100
72 15.3 13.6 40.8



#23
Bromochloromethane
Concen: 5.174 ug/L
RT: 7.428 min Scan# 993
Delta R.T. 0.006 min
Lab File: VD080123.D
Acq: 11 Dec 2024 09:57

Tgt Ion:128 Resp: 9651
Ion Ratio Lower Upper
128 100
49 161.8 117.0 217.2
130 152.1 84.4 156.7
51 45.8 43.9 65.9

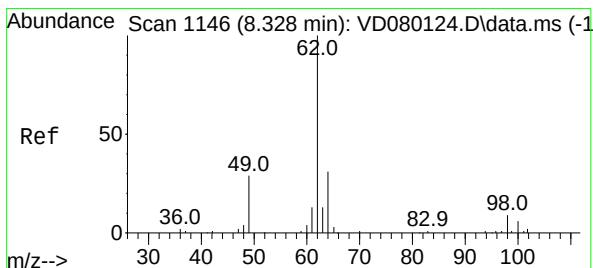
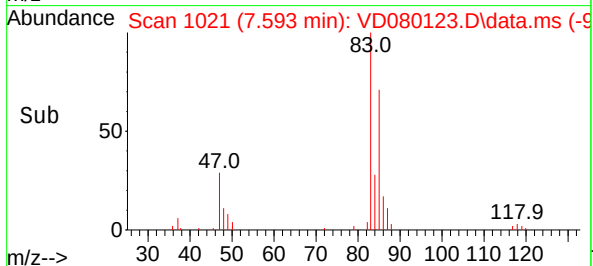
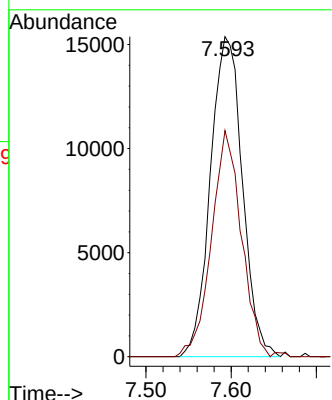
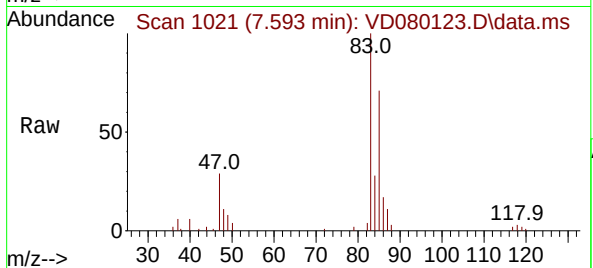




#25
Chloroform
Concen: 5.218 ug/L
RT: 7.593 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VD080123.D
Acq: 11 Dec 2024 09:57

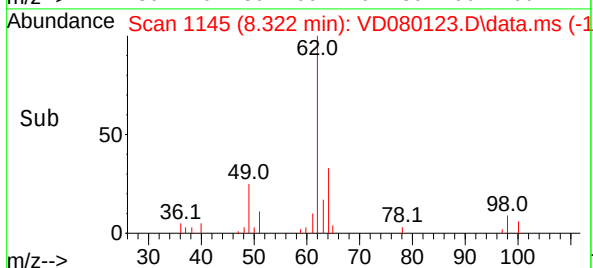
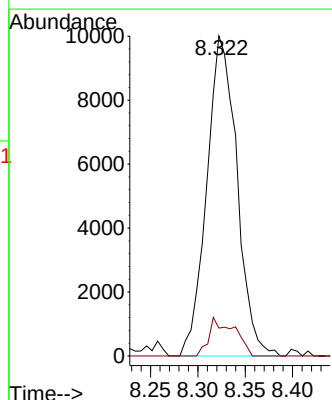
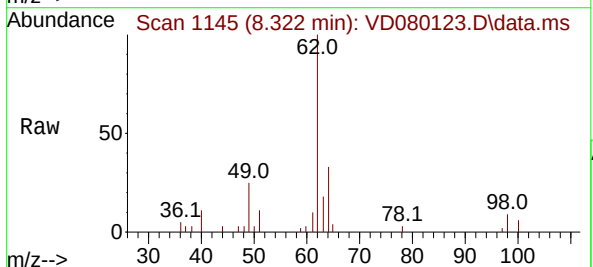
Instrument :
MSVOA_D
ClientSampleId :

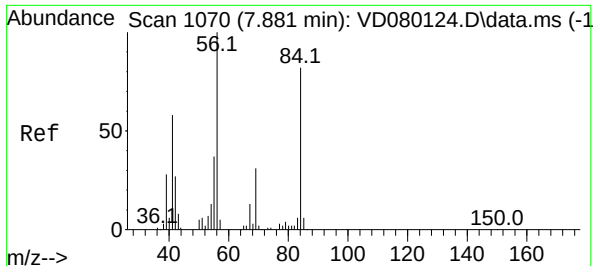
Tgt Ion: 83 Resp: 40072
Ion Ratio Lower Upper
83 100
85 70.6 45.0 83.6



#27
1,2-Dichloroethane
Concen: 5.071 ug/L
RT: 8.322 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VD080123.D
Acq: 11 Dec 2024 09:57

Tgt Ion: 62 Resp: 22272
Ion Ratio Lower Upper
62 100
98 8.7 7.0 10.6

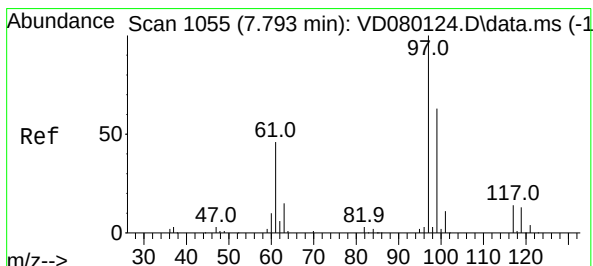
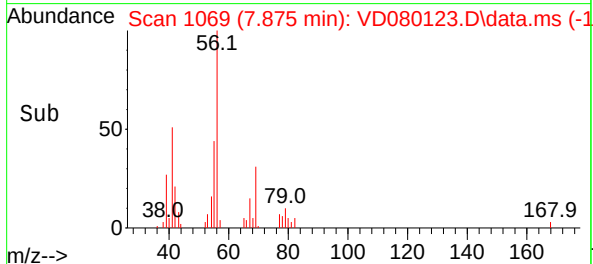
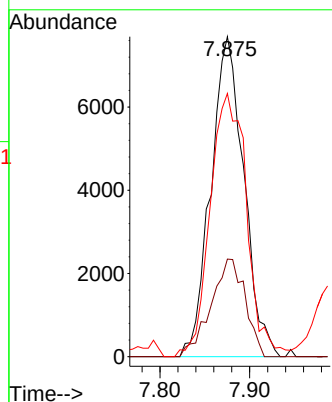
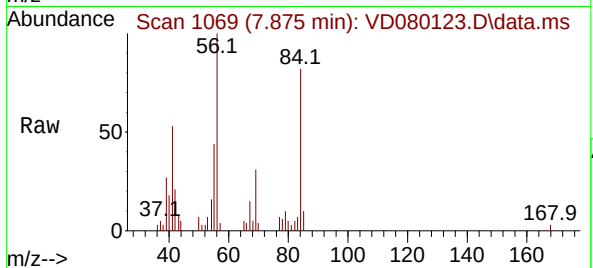




#29
Cyclohexane
Concen: 4.064 ug/L
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD080123.D
Acq: 11 Dec 2024 09:57

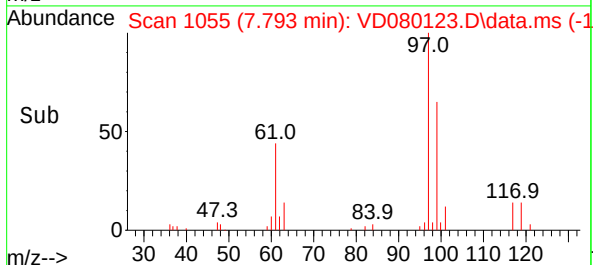
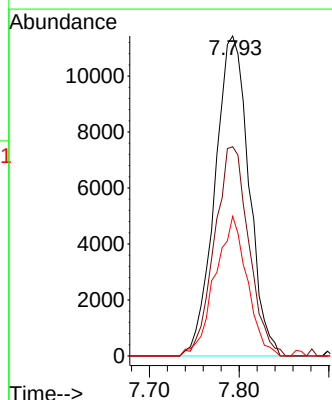
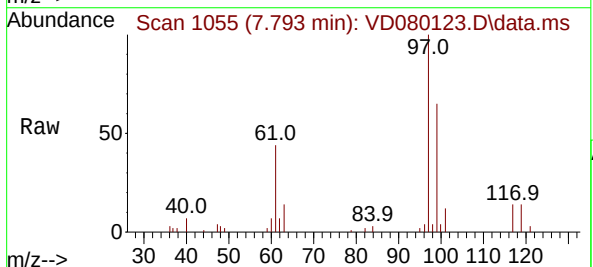
Instrument :
MSVOA_D
ClientSampleId :

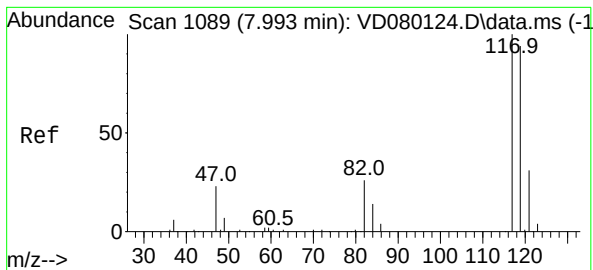
Tgt Ion: 56 Resp: 19688
Ion Ratio Lower Upper
56 100
69 30.6 24.6 36.8
84 58.3 68.7 103.1#



#30
1,1,1-Trichloroethane
Concen: 5.091 ug/L
RT: 7.793 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VD080123.D
Acq: 11 Dec 2024 09:57

Tgt Ion: 97 Resp: 30008
Ion Ratio Lower Upper
97 100
99 66.1 51.3 76.9
61 41.4 35.8 53.8

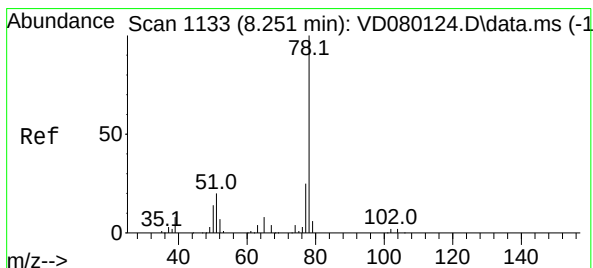
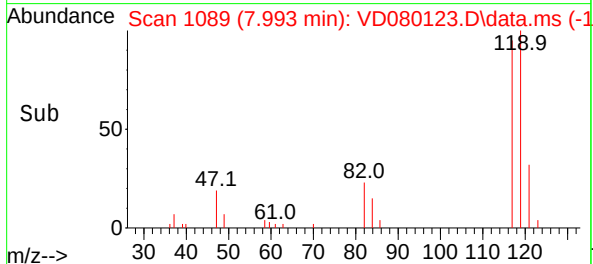
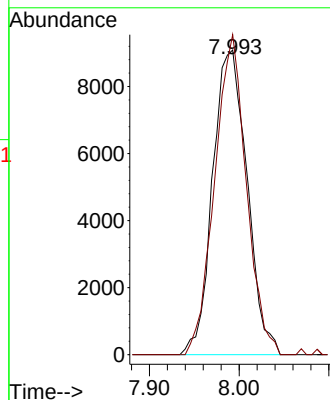
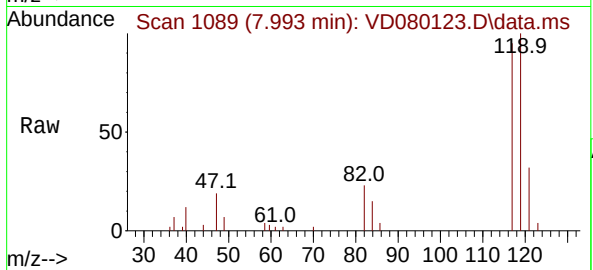




#31
Carbon tetrachloride
Concen: 4.959 ug/L
RT: 7.993 min Scan# 110
Delta R.T. 0.000 min
Lab File: VD080123.D
Acq: 11 Dec 2024 09:57

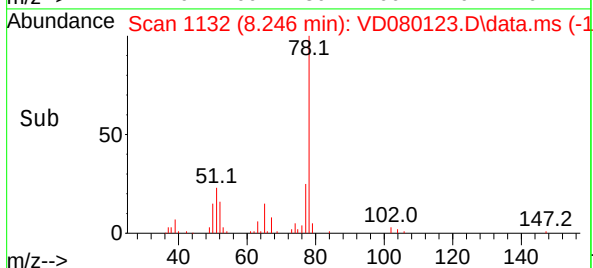
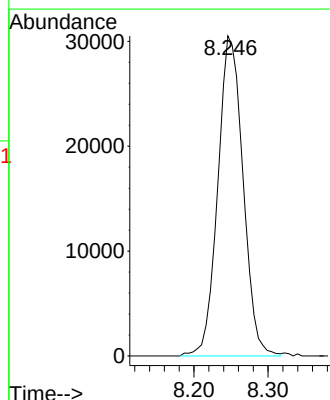
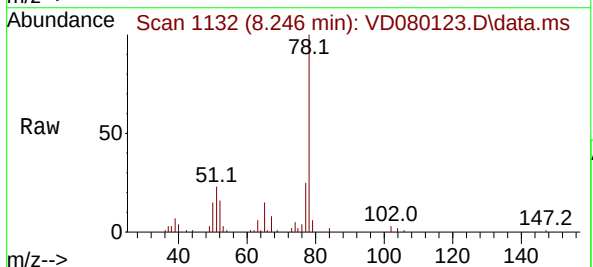
Instrument :
MSVOA_D
ClientSampleId :

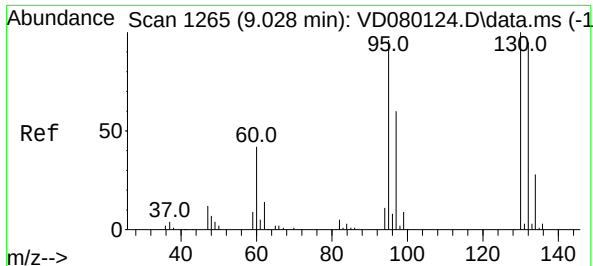
Tgt Ion:117 Resp: 24229
Ion Ratio Lower Upper
117 100
119 96.5 76.8 115.2



#33
Benzene
Concen: 4.905 ug/L
RT: 8.246 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VD080123.D
Acq: 11 Dec 2024 09:57

Tgt Ion: 78 Resp: 72104

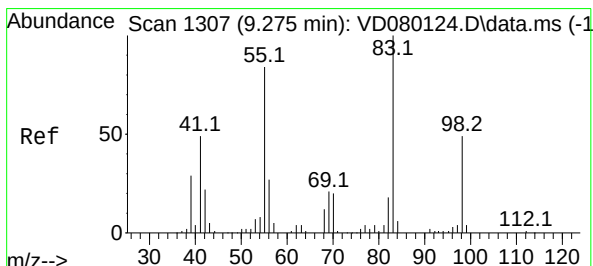
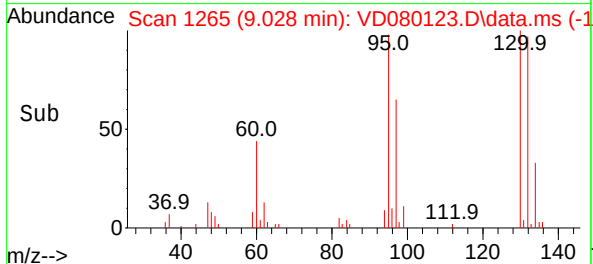
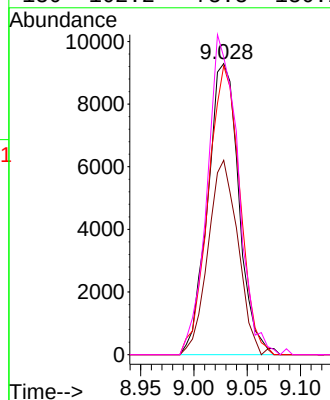
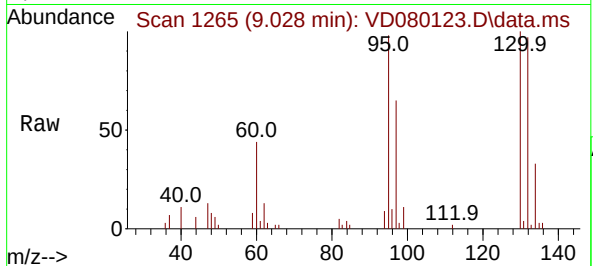




#34
Trichloroethene
Concen: 4.734 ug/L
RT: 9.028 min Scan# 1265
Delta R.T. 0.000 min
Lab File: VD080123.D
Acq: 11 Dec 2024 09:57

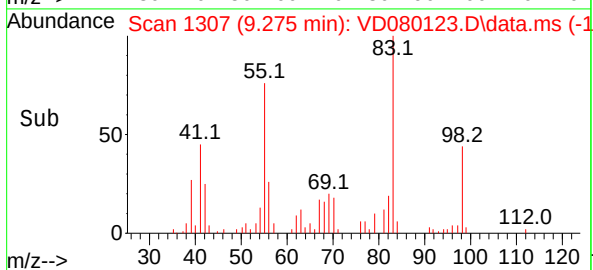
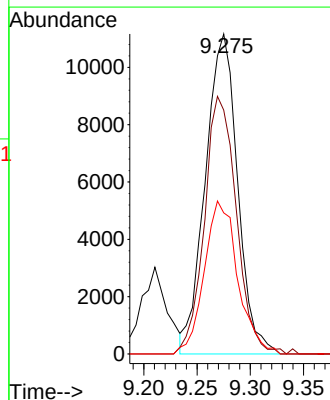
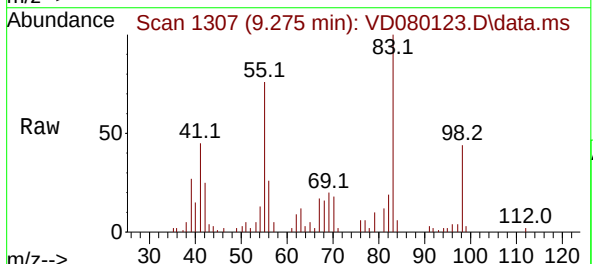
Instrument :
MSVOA_D
ClientSampleId :

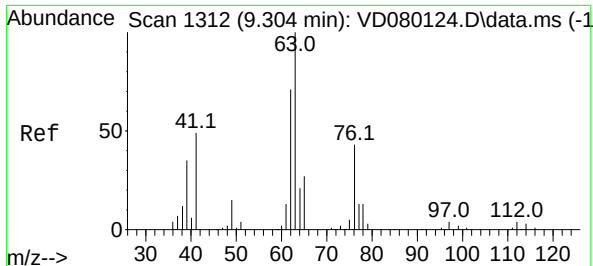
Tgt Ion: 95 Resp: 18915
Ion Ratio Lower Upper
95 100
97 66.8 43.7 81.1
132 99.2 69.4 129.0
130 102.2 73.3 136.1



#35
Methylcyclohexane
Concen: 3.983 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VD080123.D
Acq: 11 Dec 2024 09:57

Tgt Ion: 83 Resp: 23506
Ion Ratio Lower Upper
83 100
55 79.2 63.8 95.8
98 49.6 37.6 56.4

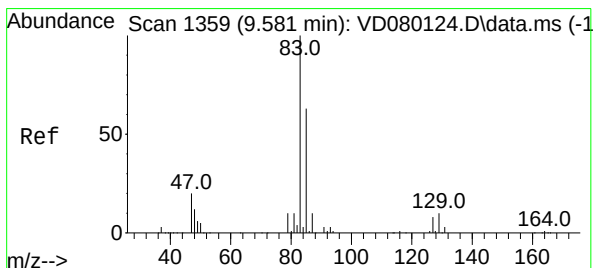
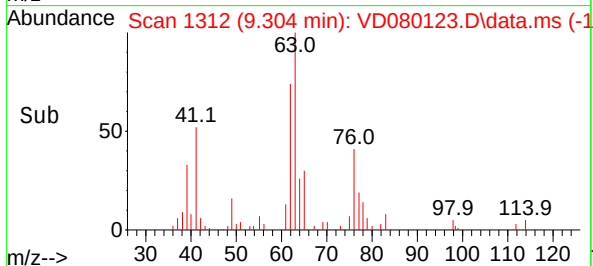
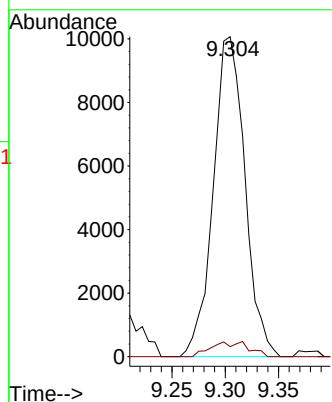
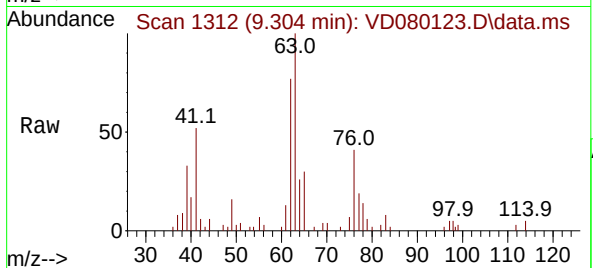




#37
1,2-Dichloropropane
Concen: 4.939 ug/L
RT: 9.304 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VD080123.D
Acq: 11 Dec 2024 09:57

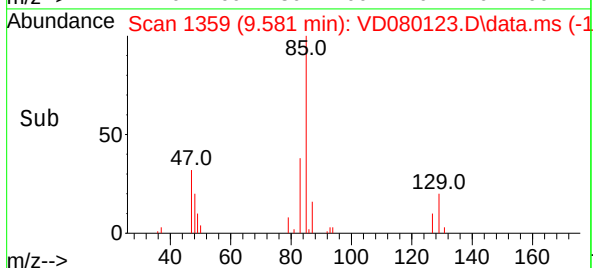
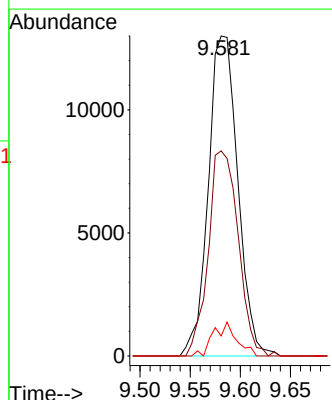
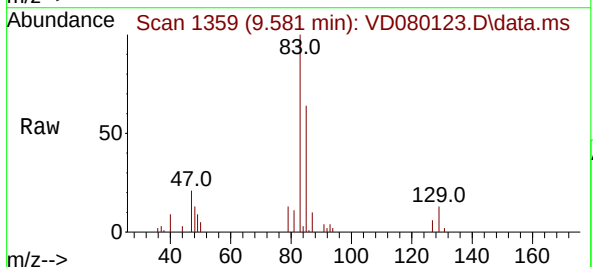
Instrument :
MSVOA_D
ClientSampleId :

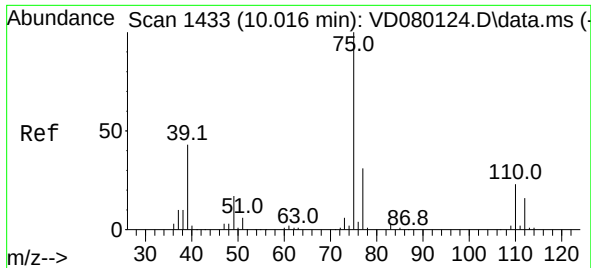
Tgt Ion: 63 Resp: 20805
Ion Ratio Lower Upper
63 100
112 3.0 3.5 5.3#



#38
Bromodichloromethane
Concen: 5.015 ug/L
RT: 9.581 min Scan# 1359
Delta R.T. 0.000 min
Lab File: VD080123.D
Acq: 11 Dec 2024 09:57

Tgt Ion: 83 Resp: 26635
Ion Ratio Lower Upper
83 100
85 64.1 44.3 82.3
127 6.3 6.6 10.0#

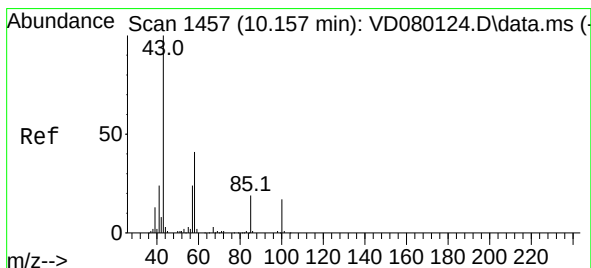
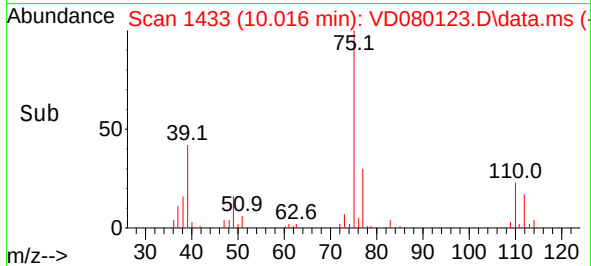
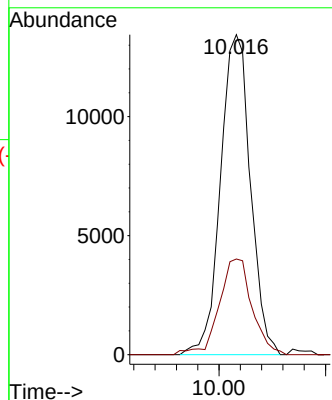
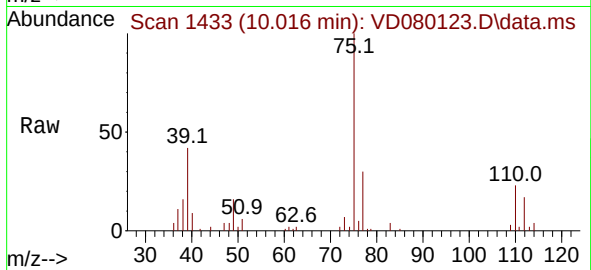




#39
cis-1,3-Dichloropropene
Concen: 4.359 ug/L
RT: 10.016 min Scan# 1433
Delta R.T. 0.000 min
Lab File: VD080123.D
Acq: 11 Dec 2024 09:57

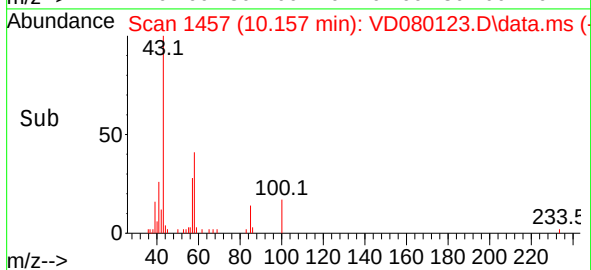
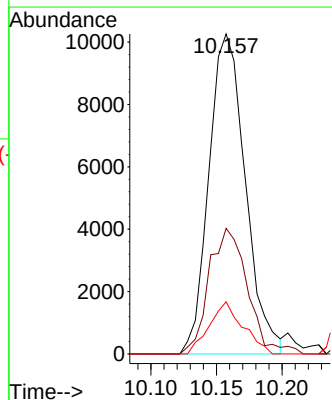
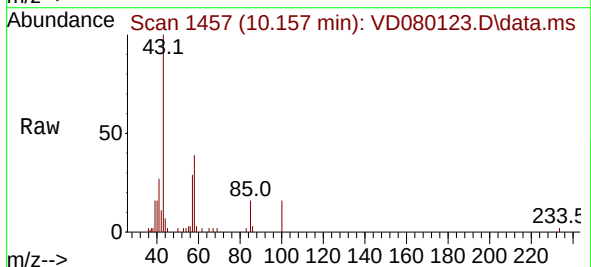
Instrument :
MSVOA_D
ClientSampleId :

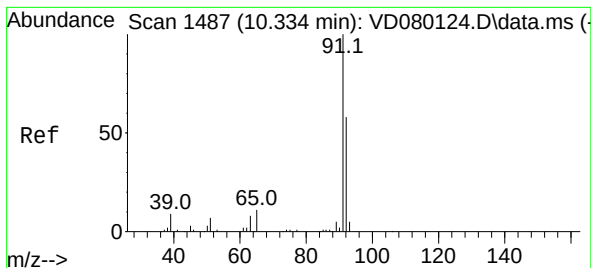
Tgt Ion: 75 Resp: 26200
Ion Ratio Lower Upper
75 100
77 29.9 21.8 40.6



#40
4-Methyl-2-pentanone
Concen: 8.518 ug/L
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD080123.D
Acq: 11 Dec 2024 09:57

Tgt Ion: 43 Resp: 19838
Ion Ratio Lower Upper
43 100
58 39.8 32.1 48.1
100 15.0 12.6 19.0





#42

Toluene

Concen: 4.199 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD080123.D

Acq: 11 Dec 2024 09:57

Instrument :

MSVOA_D

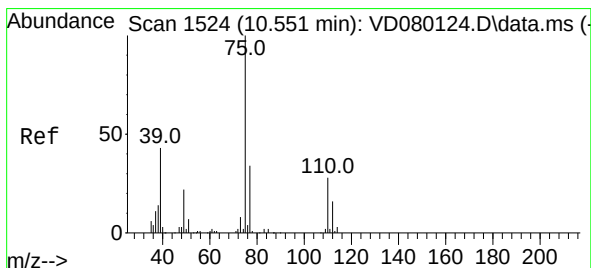
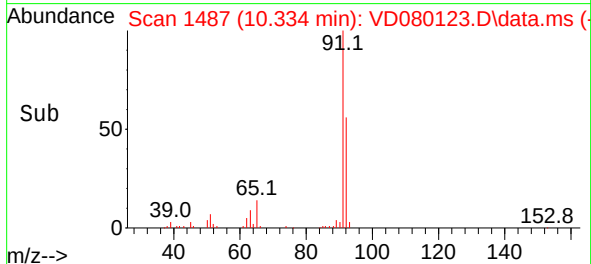
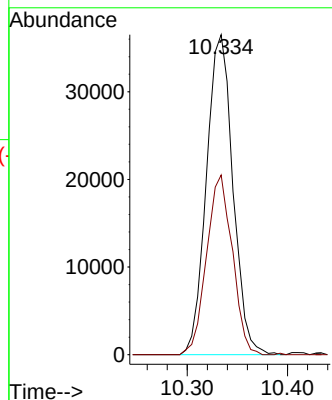
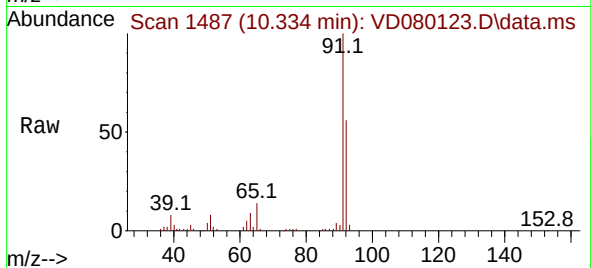
ClientSampleId :

Tgt Ion: 91 Resp: 66968

Ion Ratio Lower Upper

91 100

92 56.1 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 4.349 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. 0.000 min

Lab File: VD080123.D

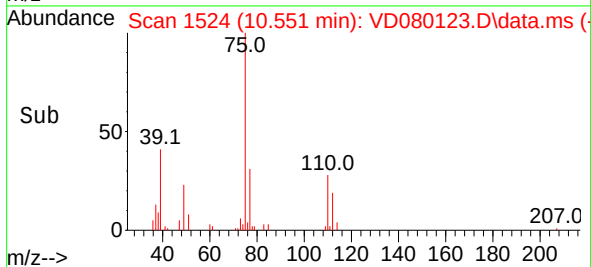
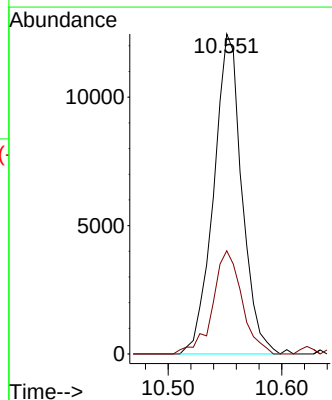
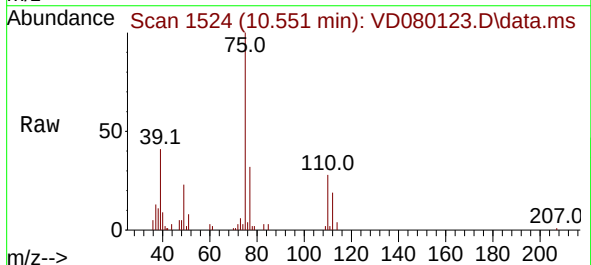
Acq: 11 Dec 2024 09:57

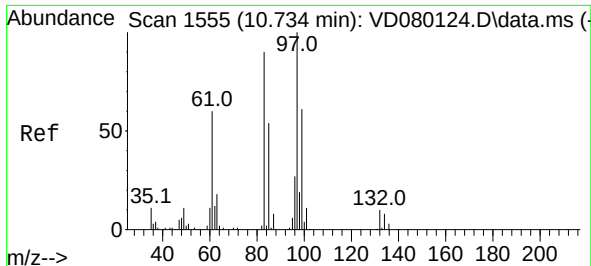
Tgt Ion: 75 Resp: 21535

Ion Ratio Lower Upper

75 100

77 32.3 24.2 45.0





#45

1,1,2-Trichloroethane

Concen: 4.739 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD080123.D

Acq: 11 Dec 2024 09:57

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 97 Resp: 14356

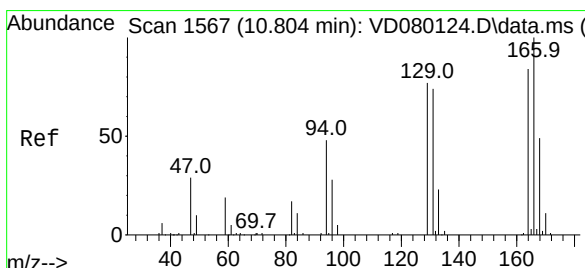
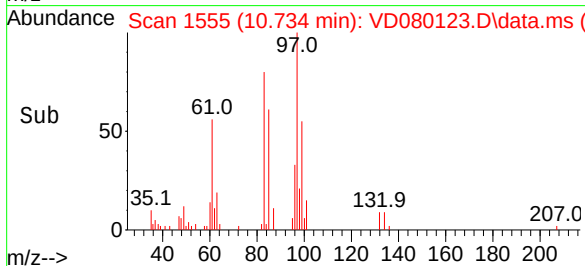
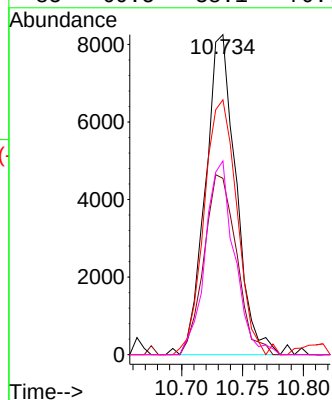
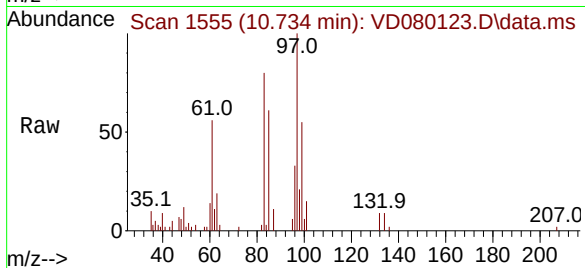
Ion Ratio Lower Upper

97 100

99 55.1 42.5 78.9

83 79.7 63.1 117.1

85 60.5 38.1 70.7



#46

Tetrachloroethene

Concen: 4.447 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. 0.006 min

Lab File: VD080123.D

Acq: 11 Dec 2024 09:57

Tgt Ion: 164 Resp: 12306

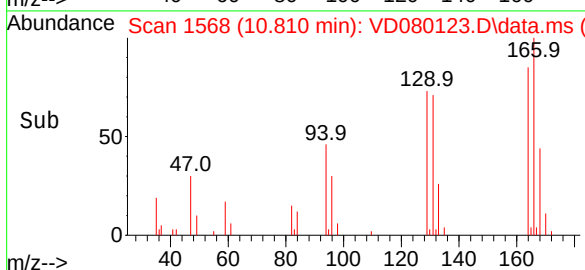
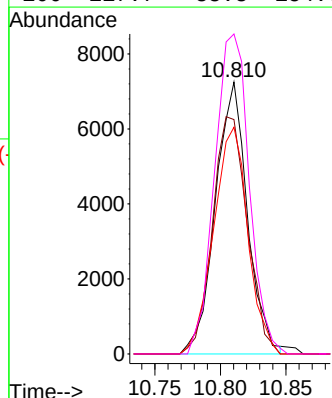
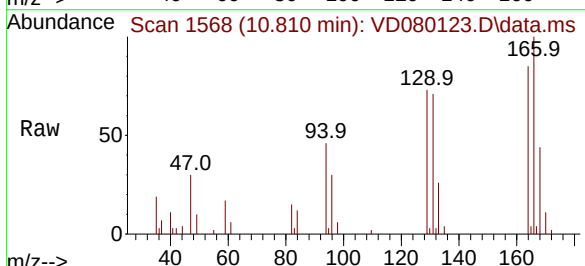
Ion Ratio Lower Upper

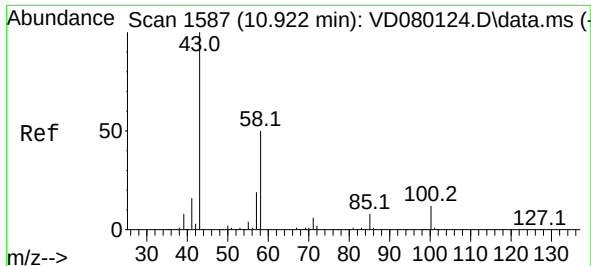
164 100

129 86.2 64.4 119.6

131 83.4 61.6 114.4

166 117.7 83.3 154.7





#48

2-Hexanone

Concen: 7.714 ug/L

RT: 10.916 min Scan# 1586

Delta R.T. -0.006 min

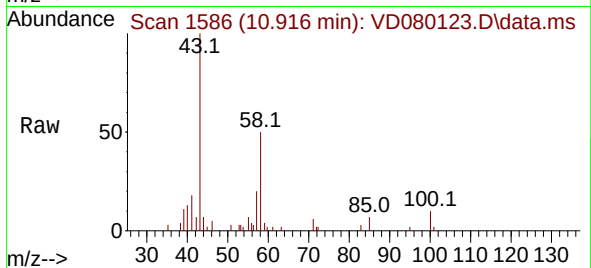
Lab File: VD080123.D

Acq: 11 Dec 2024 09:57

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 43 Resp: 14331

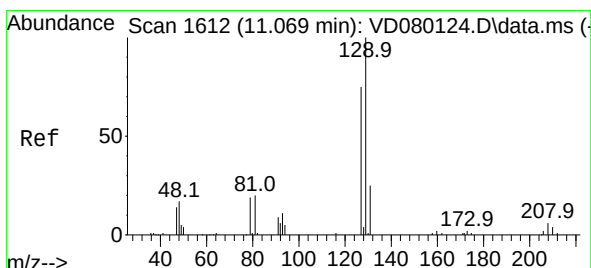
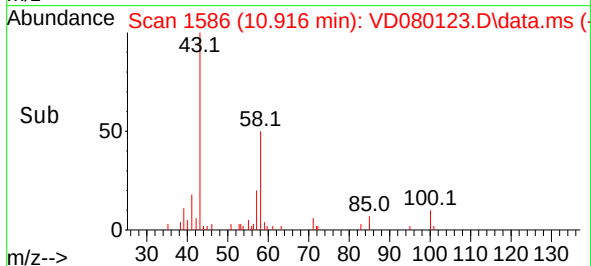
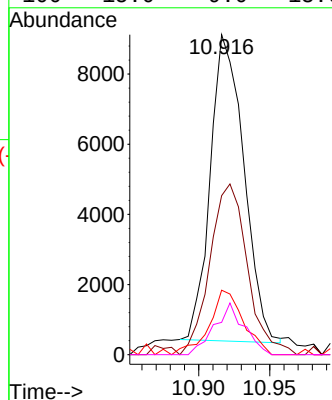
Ion Ratio Lower Upper

43 100

58 62.2 41.8 62.6

57 21.4 14.8 22.2

100 15.0 9.0 13.6#



#49

Dibromochloromethane

Concen: 4.666 ug/L

RT: 11.069 min Scan# 1612

Delta R.T. 0.000 min

Lab File: VD080123.D

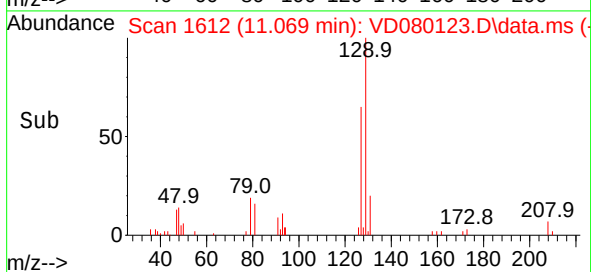
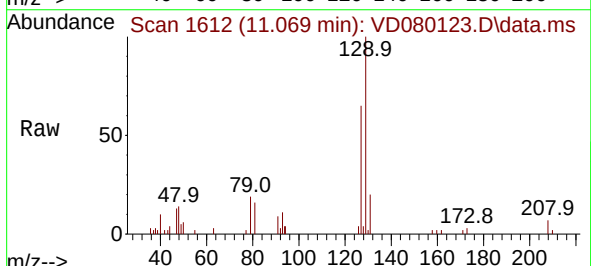
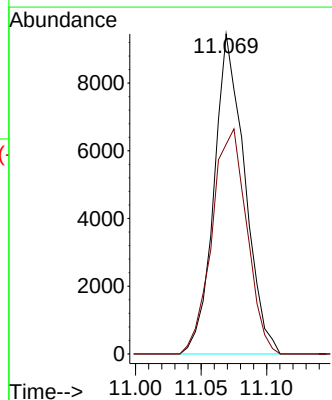
Acq: 11 Dec 2024 09:57

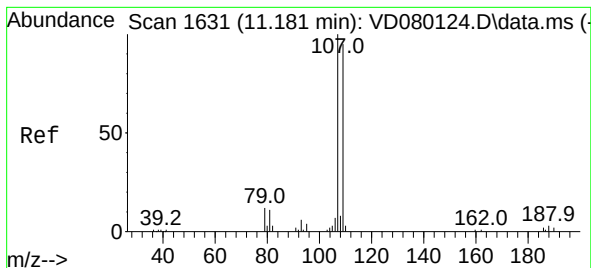
Tgt Ion: 129 Resp: 15343

Ion Ratio Lower Upper

129 100

127 65.5 52.4 97.2





#50

1,2-Dibromoethane

Concen: 4.999 ug/L

RT: 11.181 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD080123.D

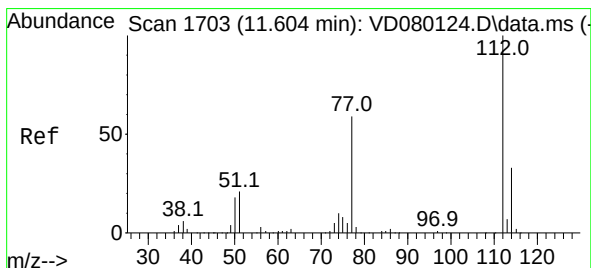
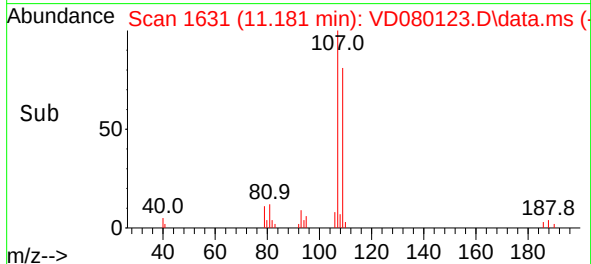
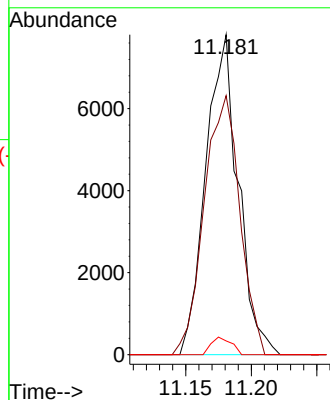
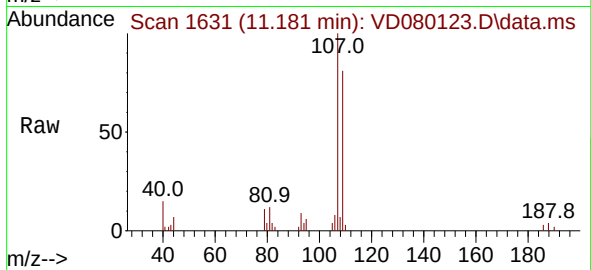
Acq: 11 Dec 2024 09:57

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:107	Resp:	13428
Ion Ratio	Lower	Upper
107	100	
109	80.9	66.2 123.0
188	4.3	2.8 4.2#



#51

Chlorobenzene

Concen: 4.759 ug/L

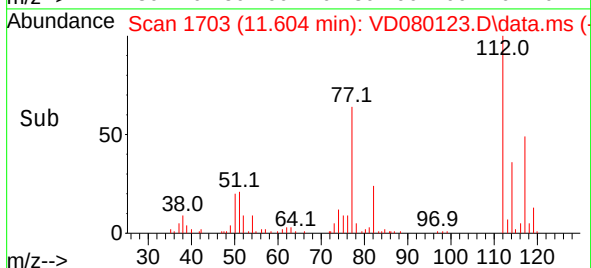
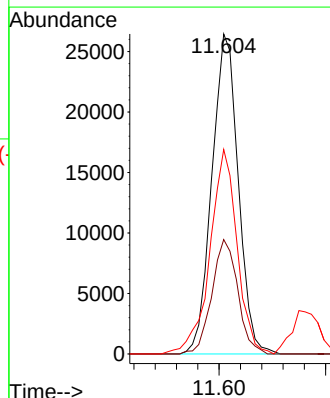
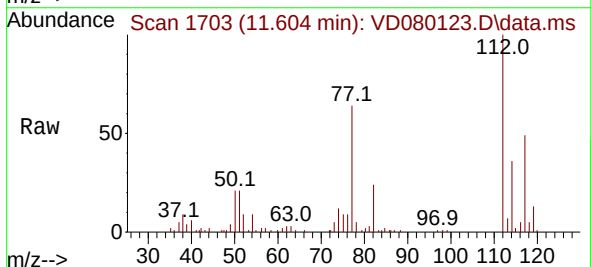
RT: 11.604 min Scan# 1703

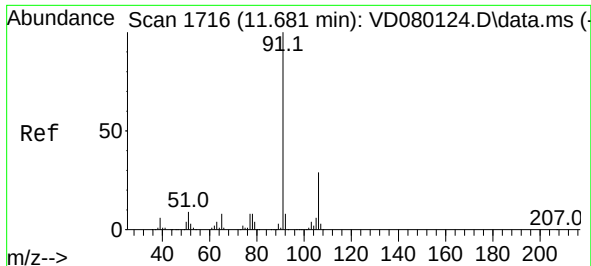
Delta R.T. 0.000 min

Lab File: VD080123.D

Acq: 11 Dec 2024 09:57

Tgt Ion:112	Resp:	45432
Ion Ratio	Lower	Upper
112	100	
114	35.7	23.3 43.3
77	63.9	47.8 71.8





#52

Ethylbenzene

Concen: 4.159 ug/L

RT: 11.681 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VD080123.D

Acq: 11 Dec 2024 09:57

Instrument :

MSVOA_D

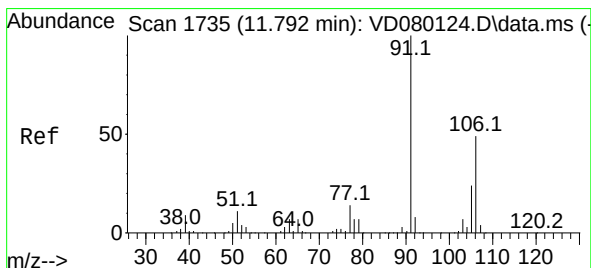
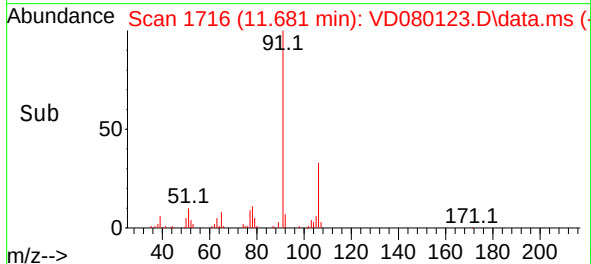
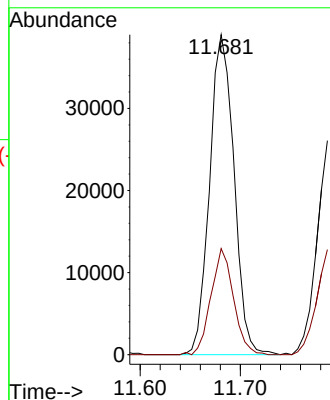
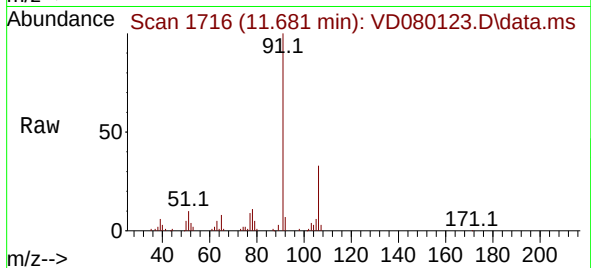
ClientSampleId :

Tgt Ion: 91 Resp: 65875

Ion Ratio Lower Upper

91 100

106 33.2 20.0 37.2



#53

m,p-Xylene

Concen: 4.095 ug/L

RT: 11.787 min Scan# 1734

Delta R.T. -0.006 min

Lab File: VD080123.D

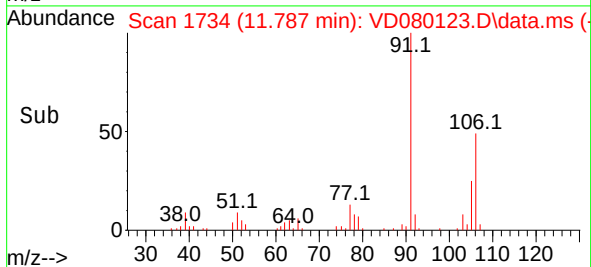
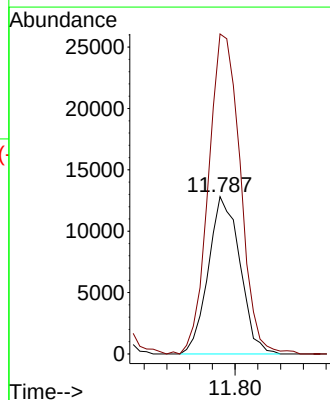
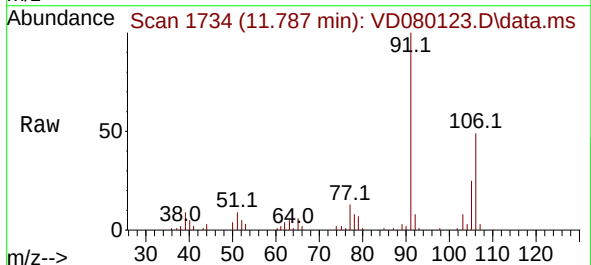
Acq: 11 Dec 2024 09:57

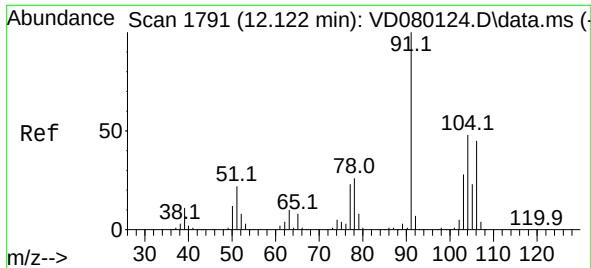
Tgt Ion: 106 Resp: 24795

Ion Ratio Lower Upper

106 100

91 203.4 143.5 266.5

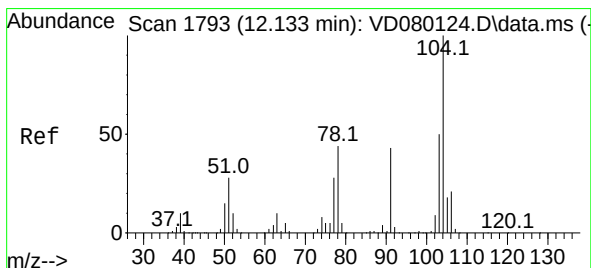
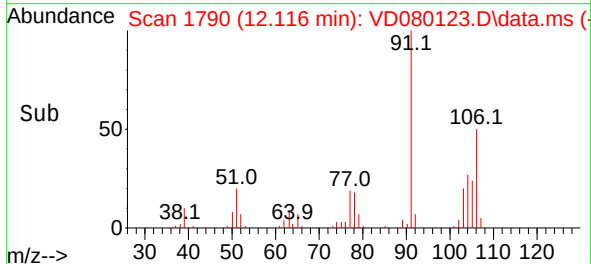
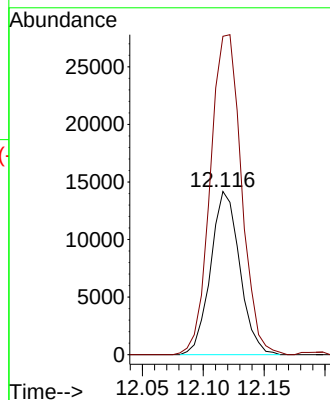
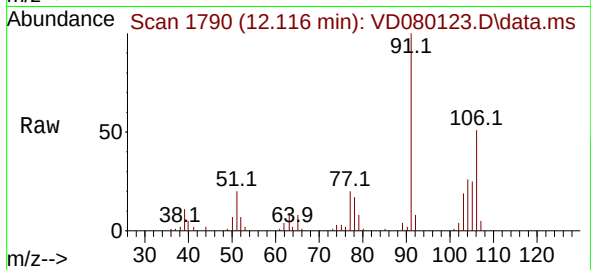




#54
o-Xylene
Concen: 4.065 ug/L
RT: 12.116 min Scan# 1790
Delta R.T. -0.006 min
Lab File: VD080123.D
Acq: 11 Dec 2024 09:57

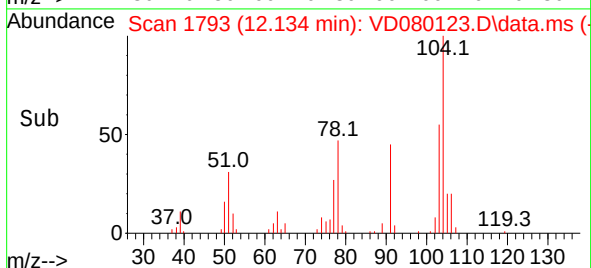
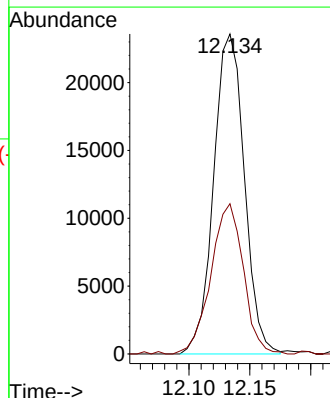
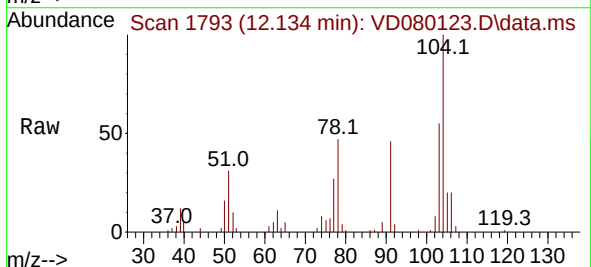
Instrument :
MSVOA_D
ClientSampleId :

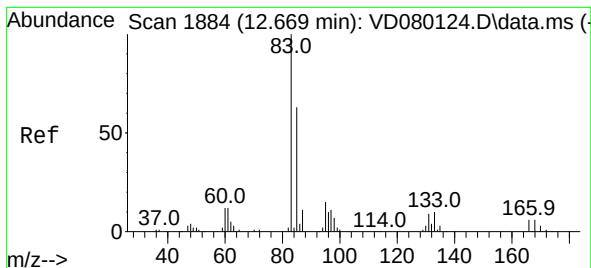
Tgt Ion:106 Resp: 23618
Ion Ratio Lower Upper
106 100
91 195.1 155.8 289.4



#55
Styrene
Concen: 3.934 ug/L
RT: 12.134 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD080123.D
Acq: 11 Dec 2024 09:57

Tgt Ion:104 Resp: 41368
Ion Ratio Lower Upper
104 100
78 46.9 31.2 58.0





#57

1,1,2,2-Tetrachloroethane

Concen: 4.861 ug/L

RT: 12.675 min Scan# 1885

Delta R.T. 0.006 min

Lab File: VD080123.D

Acq: 11 Dec 2024 09:57

Instrument :

MSVOA_D

ClientSampleId :

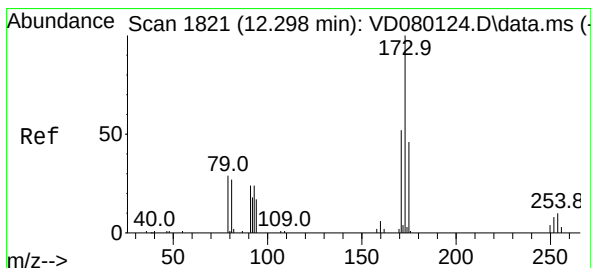
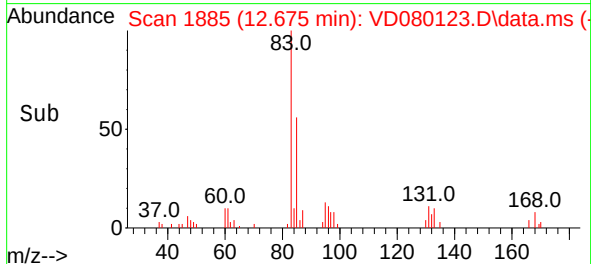
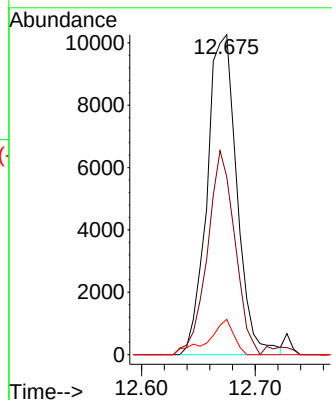
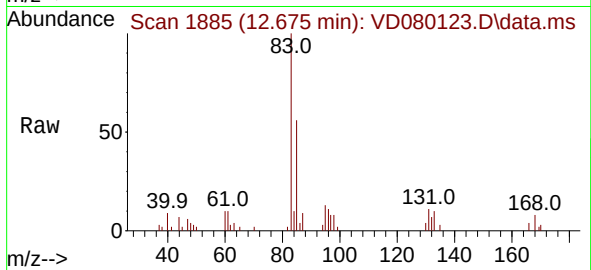
Tgt Ion: 83 Resp: 18760

Ion Ratio Lower Upper

83 100

85 55.6 44.2 82.2

131 11.0 7.1 10.7#



#59

Bromoform

Concen: 4.773 ug/L

RT: 12.298 min Scan# 1821

Delta R.T. 0.000 min

Lab File: VD080123.D

Acq: 11 Dec 2024 09:57

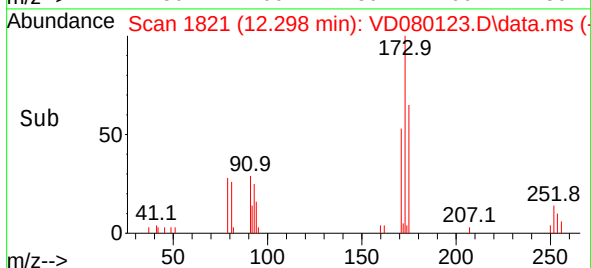
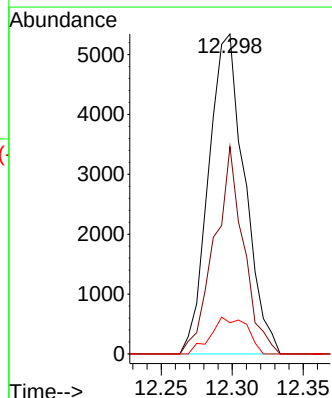
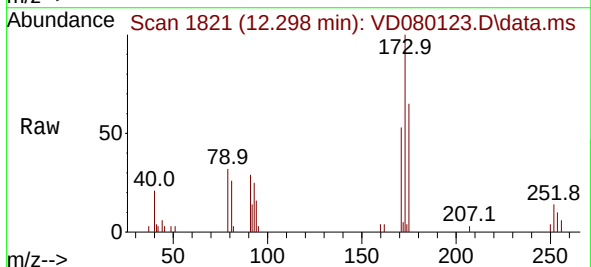
Tgt Ion:173 Resp: 9411

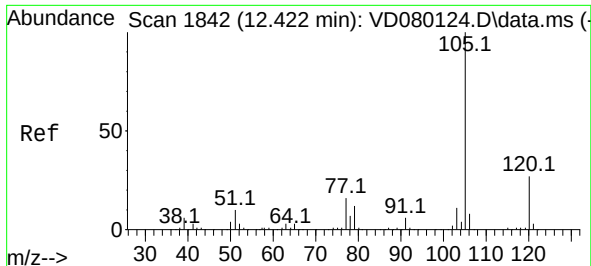
Ion Ratio Lower Upper

173 100

175 52.7 38.2 57.4

254 6.9 8.5 12.7#

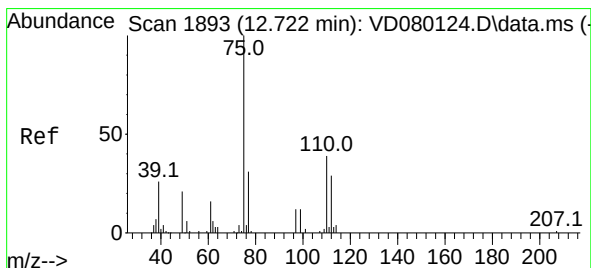
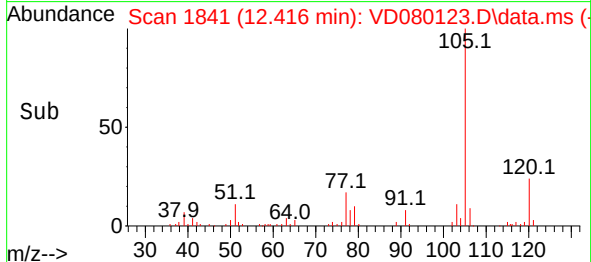
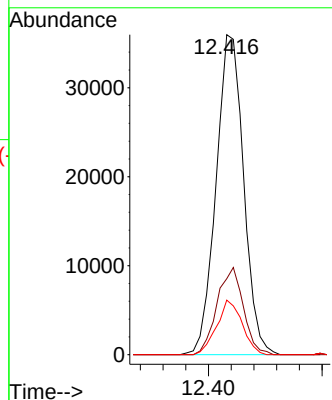
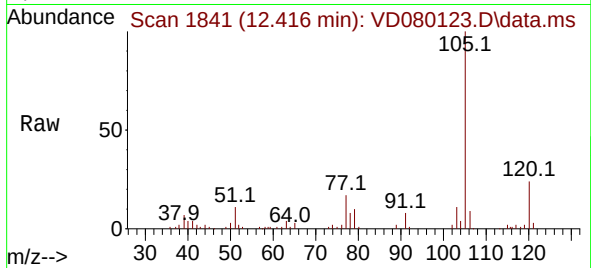




#60
Isopropylbenzene
Concen: 4.157 ug/L
RT: 12.416 min Scan# 1841
Delta R.T. -0.006 min
Lab File: VD080123.D
Acq: 11 Dec 2024 09:57

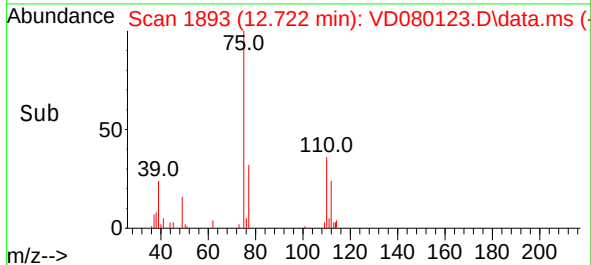
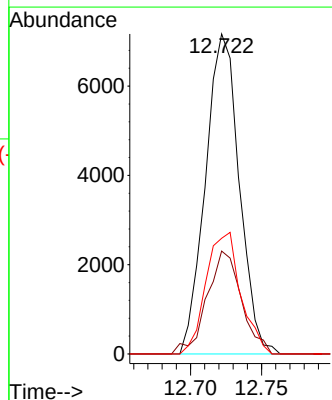
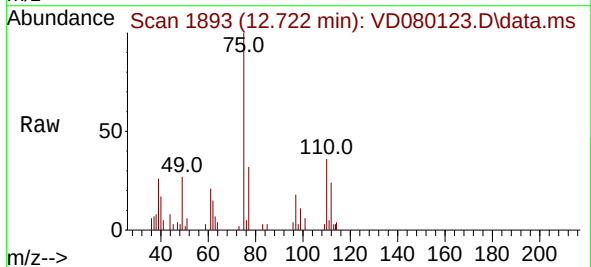
Instrument :
MSVOA_D
ClientSampleId :

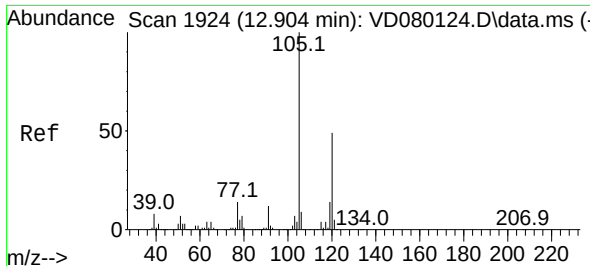
Tgt Ion:105 Resp: 60648
Ion Ratio Lower Upper
105 100
120 26.0 21.0 31.4
77 15.7 12.9 19.3



#61
1,2,3-Trichloropropane
Concen: 4.693 ug/L
RT: 12.722 min Scan# 1893
Delta R.T. 0.000 min
Lab File: VD080123.D
Acq: 11 Dec 2024 09:57

Tgt Ion: 75 Resp: 11864
Ion Ratio Lower Upper
75 100
77 31.5 25.8 38.6
110 38.9 30.2 45.2





#62

1,3,5-Trimethylbenzene

Concen: 4.610 ug/L

RT: 12.904 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VD080123.D

Acq: 11 Dec 2024 09:57

Instrument :

MSVOA_D

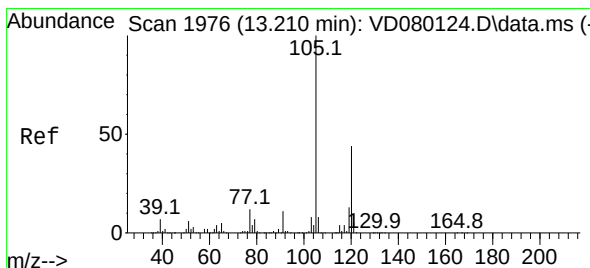
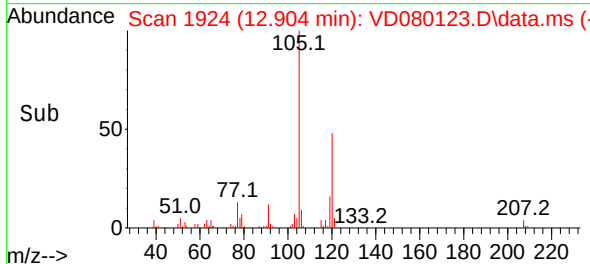
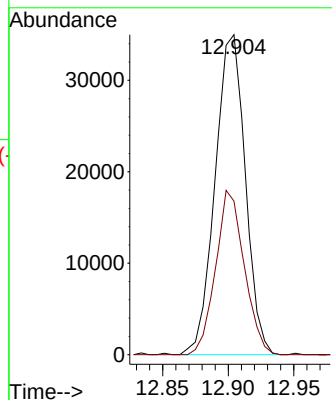
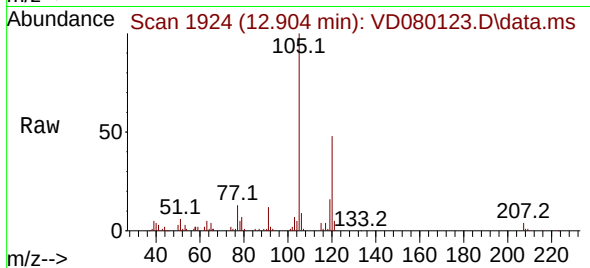
ClientSampleId :

Tgt Ion:105 Resp: 56084

Ion Ratio Lower Upper

105 100

120 48.7 39.4 59.2



#63

1,2,4-Trimethylbenzene

Concen: 4.155 ug/L

RT: 13.210 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VD080123.D

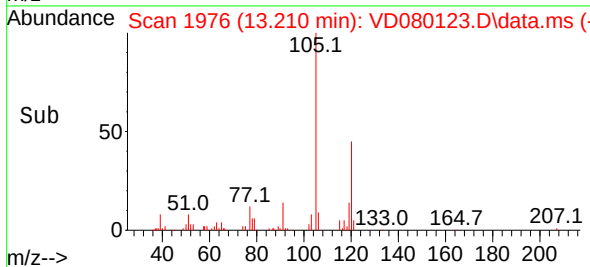
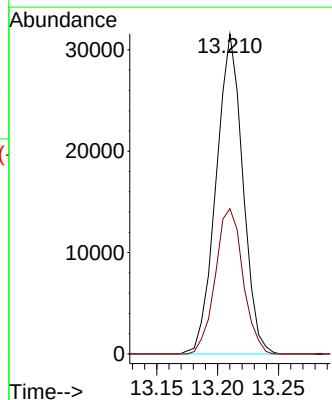
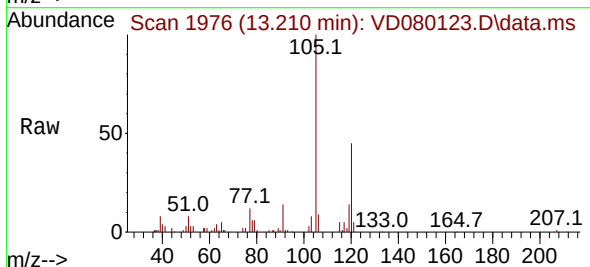
Acq: 11 Dec 2024 09:57

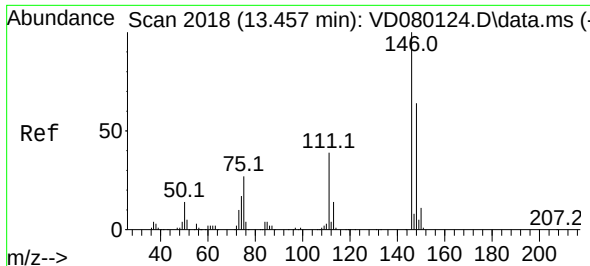
Tgt Ion:105 Resp: 48092

Ion Ratio Lower Upper

105 100

120 47.1 36.4 54.6

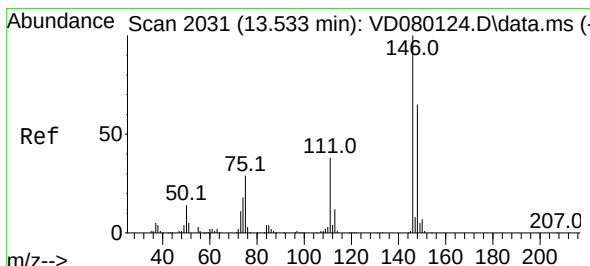
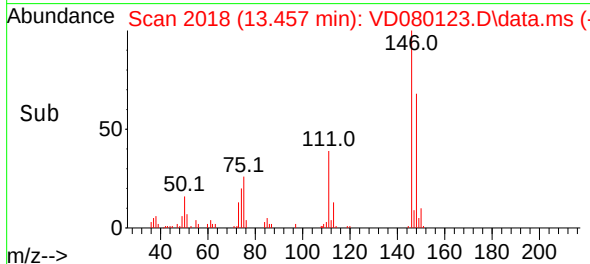
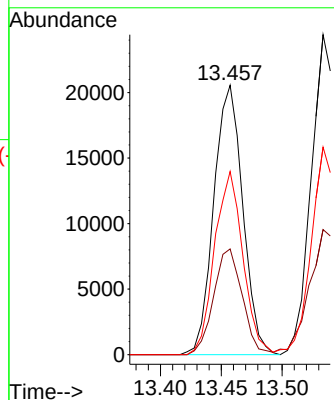
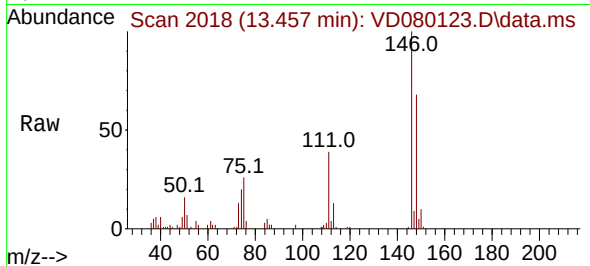




#64
1,3-Dichlorobenzene
Concen: 4.794 ug/L
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD080123.D
Acq: 11 Dec 2024 09:57

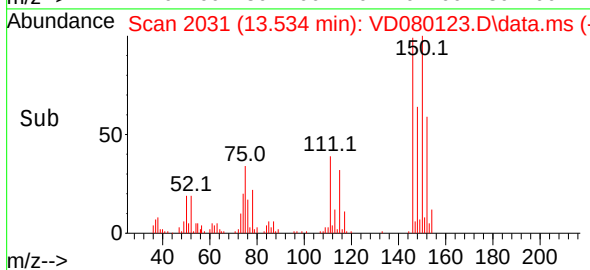
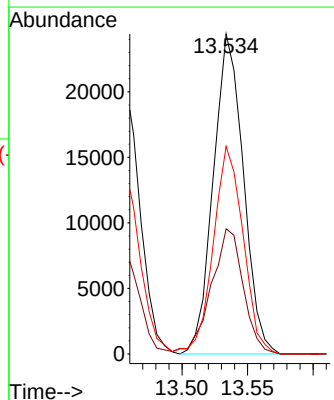
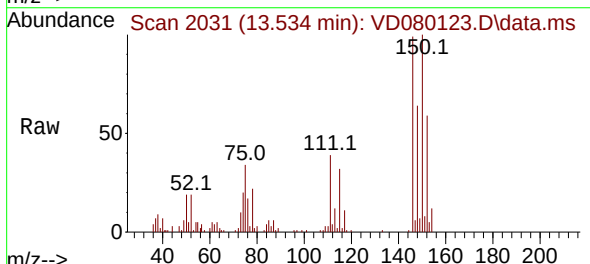
Instrument :
MSVOA_D
ClientSampleId :

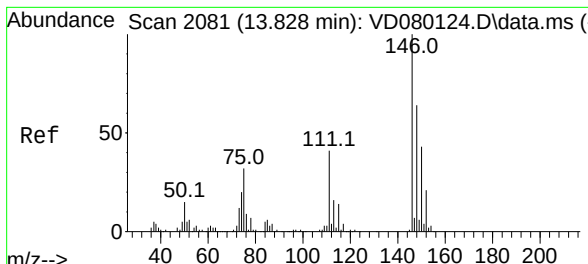
Tgt Ion:146 Resp: 34027
Ion Ratio Lower Upper
146 100
111 39.2 27.0 50.2
148 68.0 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 5.084 ug/L
RT: 13.534 min Scan# 2031
Delta R.T. 0.000 min
Lab File: VD080123.D
Acq: 11 Dec 2024 09:57

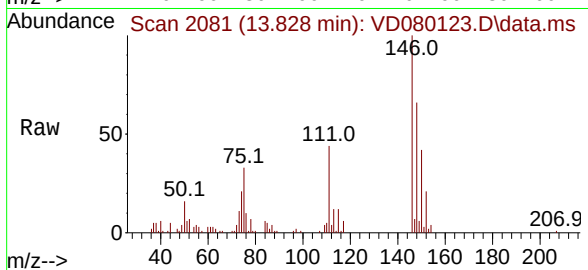
Tgt Ion:146 Resp: 38901
Ion Ratio Lower Upper
146 100
111 39.1 27.0 50.2
148 64.9 45.2 84.0



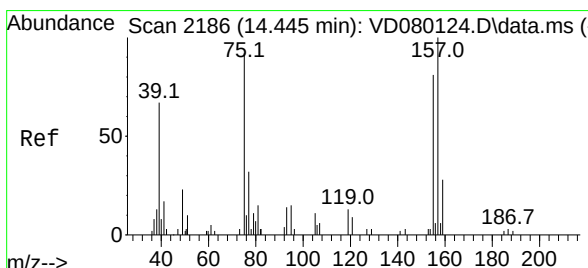
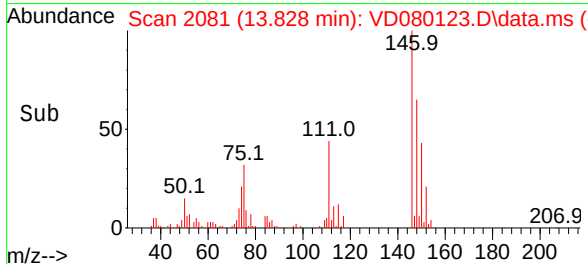
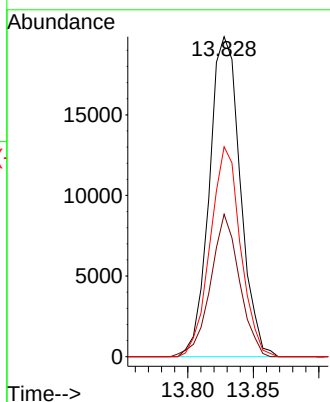


#67
 1,2-Dichlorobenzene
 Concen: 4.744 ug/L
 RT: 13.828 min Scan# 2081
 Delta R.T. 0.000 min
 Lab File: VD080123.D
 Acq: 11 Dec 2024 09:57

Instrument :
 MSVOA_D
 ClientSampleId :

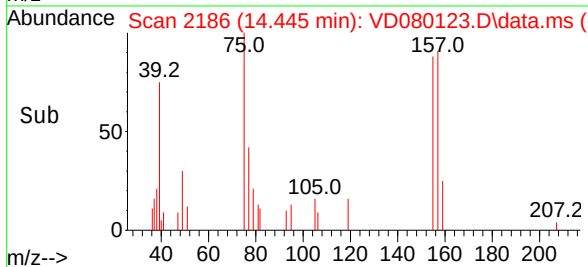
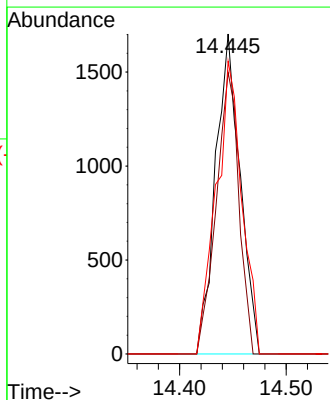
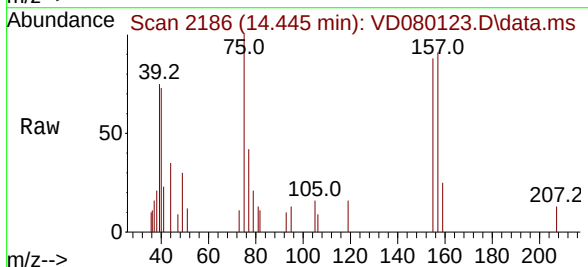


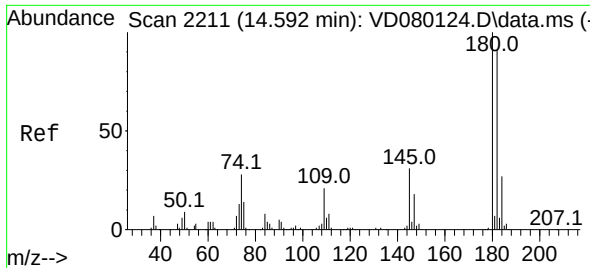
Tgt Ion:	146	Resp:	32514
Ion Ratio	Lower	Upper	
146	100		
111	44.5	32.8	49.2
148	65.6	51.4	77.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 5.331 ug/L
 RT: 14.445 min Scan# 2186
 Delta R.T. 0.000 min
 Lab File: VD080123.D
 Acq: 11 Dec 2024 09:57

Tgt Ion:	75	Resp:	2718
Ion Ratio	Lower	Upper	
75	100		
155	88.0	70.5	105.7
157	91.5	86.6	129.8





#69

1,3,5-Trichlorobenzene

Concen: 4.329 ug/L

RT: 14.592 min Scan# 2211

Delta R.T. 0.000 min

Lab File: VD080123.D

Acq: 11 Dec 2024 09:57

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:180 Resp: 21223

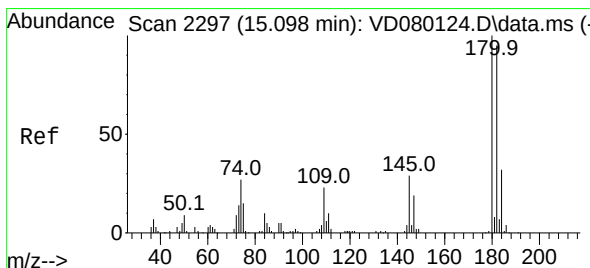
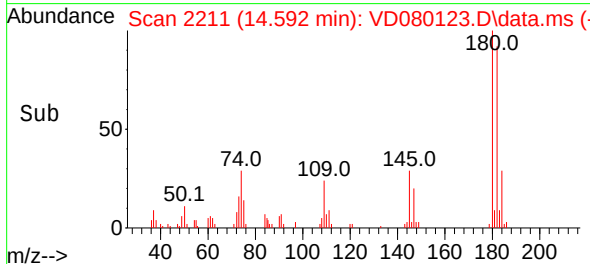
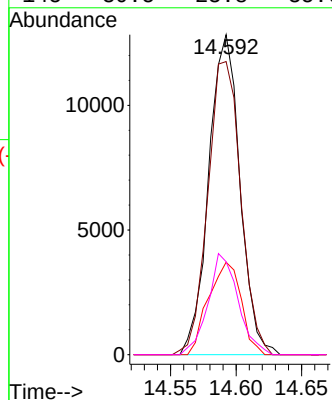
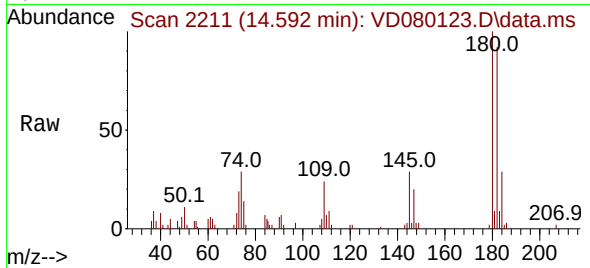
Ion Ratio Lower Upper

180 100

182 96.5 75.0 112.6

184 30.2 23.4 35.2

145 30.5 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 4.487 ug/L

RT: 15.098 min Scan# 2297

Delta R.T. 0.000 min

Lab File: VD080123.D

Acq: 11 Dec 2024 09:57

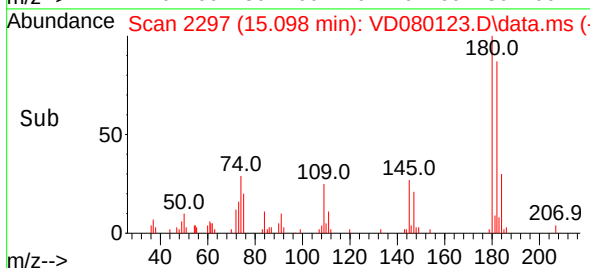
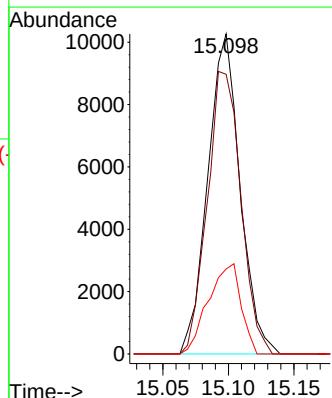
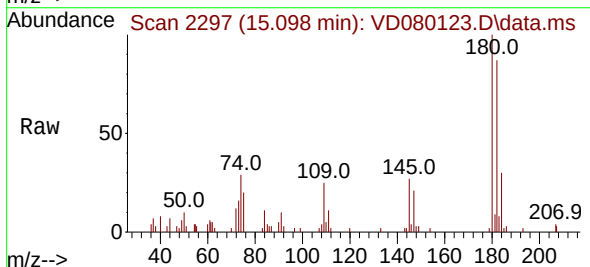
Tgt Ion:180 Resp: 17583

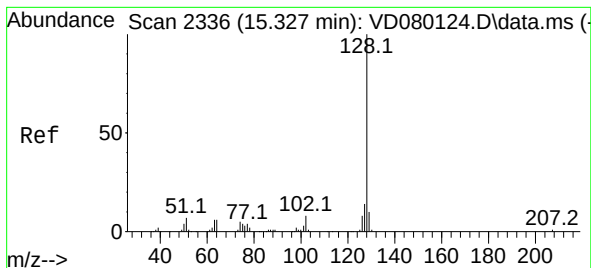
Ion Ratio Lower Upper

180 100

182 91.6 77.0 115.4

145 28.4 23.4 35.2





#71

Naphthalene

Concen: 4.416 ug/L

RT: 15.328 min Scan# 2336

Delta R.T. 0.000 min

Lab File: VD080123.D

Acq: 11 Dec 2024 09:57

Instrument :

MSVOA_D

ClientSampleId :

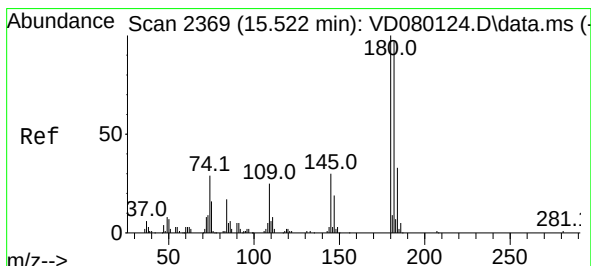
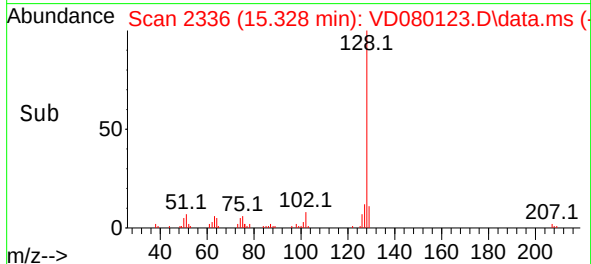
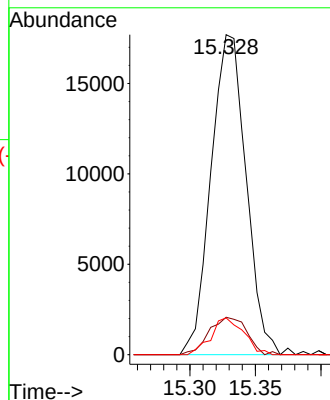
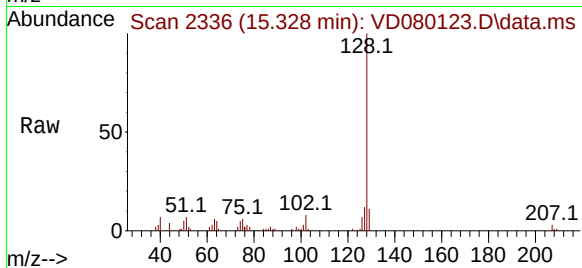
Tgt Ion:128 Resp: 32881

Ion Ratio Lower Upper

128 100

127 12.5 11.2 16.8

129 10.8 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 5.027 ug/L

RT: 15.522 min Scan# 2369

Delta R.T. 0.000 min

Lab File: VD080123.D

Acq: 11 Dec 2024 09:57

Tgt Ion:180 Resp: 19828

Ion Ratio Lower Upper

180 100

182 90.7 78.1 117.1

145 32.4 25.8 38.8

