

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010925\
 Data File : VD080191.D
 Acq On : 09 Jan 2025 11:55
 Operator : RP/MD
 Sample : VSTD050
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 09 19:48:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM010925SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Jan 09 19:44:54 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	241388	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	230619	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	125431	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	348377	49.209	ug/L	0.00
7) Chloroethane-d5	2.805	69	282950	49.181	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.922	65	86188	50.370	ug/L	0.00
21) 2-Butanone-d5	6.987	46	75713	94.717	ug/L	-0.01
24) Chloroform-d	7.575	84	370879	48.962	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.240	65	190887	48.110	ug/L	0.00
32) Benzene-d6	8.204	84	734116	49.308	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.210	67	231831	47.047	ug/L	0.00
41) Toluene-d8	10.269	98	698742	51.496	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.528	79	97351	48.353	ug/L	0.00
47) 2-Hexanone-d5	10.875	63	66147	107.711	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.651	84	175648	47.569	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.816	152	224203	47.549	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.940	85	213045	44.469	ug/L	97
3) Chloromethane	2.152	50	291890	44.691	ug/L	97
5) Vinyl chloride	2.287	62	375874	46.902	ug/L	98
6) Bromomethane	2.699	94	225053	48.221	ug/L	97
8) Chloroethane	2.840	64	231099	47.011	ug/L	100
9) Trichlorofluoromethane	3.181	101	315868	47.437	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	180925	47.622	ug/L	99
12) 1,1-Dichloroethene	3.946	96	168707	49.749	ug/L	96
13) Acetone	4.034	43	53424	82.468	ug/L	78
14) Carbon disulfide	4.281	76	605304	47.891	ug/L	99
15) Methyl Acetate	4.569	43	73282	46.001	ug/L	95
16) Methylene chloride	4.811	84	190362	46.454	ug/L	98
17) trans-1,2-Dichloroethene	5.316	96	185881	50.099	ug/L	97
18) Methyl tert-butyl Ether	5.322	73	369007	52.500	ug/L	99
19) 1,1-Dichloroethane	6.116	63	340650	47.831	ug/L	98
20) cis-1,2-Dichloroethene	7.087	96	199768	51.493	ug/L	88
22) 2-Butanone	7.087	43	87305	94.679	ug/L	100
23) Bromochloromethane	7.434	128	90858	48.318	ug/L	93
25) Chloroform	7.605	83	370501	46.940	ug/L	99
27) 1,2-Dichloroethane	8.328	62	217114	47.153	ug/L	98
29) Cyclohexane	7.881	56	310799	53.565	ug/L	99
30) 1,1,1-Trichloroethane	7.799	97	296908	48.595	ug/L	98
31) Carbon tetrachloride	7.999	117	260457	48.298	ug/L	100
33) Benzene	8.257	78	766873	48.902	ug/L	100
34) Trichloroethene	9.034	95	195131	48.045	ug/L	99
35) Methylcyclohexane	9.275	83	314348	52.050	ug/L	98
37) 1,2-Dichloropropane	9.310	63	203805	47.702	ug/L	99
38) Bromodichloromethane	9.587	83	255190	47.641	ug/L	99
39) cis-1,3-Dichloropropene	10.022	75	315706	52.280	ug/L	99
40) 4-Methyl-2-pentanone	10.163	43	205848	98.149	ug/L	99
42) Toluene	10.334	91	850787	51.927	ug/L	99
44) trans-1,3-Dichloropropene	10.557	75	269047	51.592	ug/L	99

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 Quant Title : SFAM01.0
 QLast Update : Thu Jan 09 19:44:54 2025
 Response via : Initial Calibration

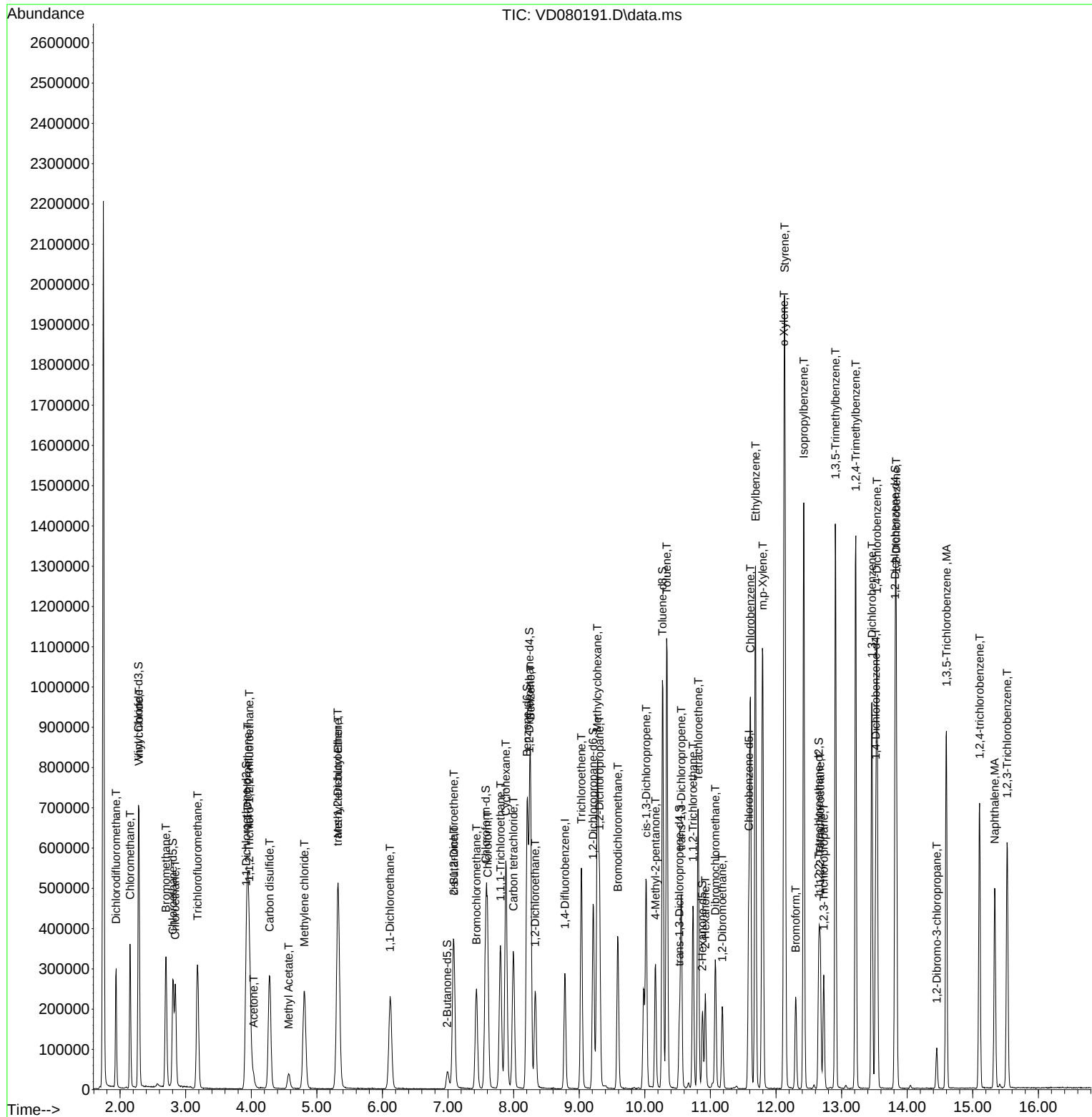
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.734	97	148393	47.570	ug/L	98
46) Tetrachloroethene	10.816	164	157360	48.086	ug/L	95
48) 2-Hexanone	10.922	43	144589	103.453	ug/L	98
49) Dibromochloromethane	11.075	129	169021	48.652	ug/L	96
50) 1,2-Dibromoethane	11.181	107	136484	48.142	ug/L	97
51) Chlorobenzene	11.610	112	515796	49.107	ug/L	99
52) Ethylbenzene	11.687	91	922859	52.493	ug/L	98
53) m,p-Xylene	11.798	106	343104	52.220	ug/L	99
54) o-Xylene	12.122	106	333512	54.261	ug/L	97
55) Styrene	12.134	104	595597	53.501	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.675	83	168565	47.667	ug/L #	92
59) Bromoform	12.298	173	104427	46.400	ug/L	99
60) Isopropylbenzene	12.422	105	904298	51.694	ug/L	100
61) 1,2,3-Trichloropropane	12.728	75	117416	44.268	ug/L	97
62) 1,3,5-Trimethylbenzene	12.904	105	730176	52.377	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	725688	53.362	ug/L	99
64) 1,3-Dichlorobenzene	13.463	146	406692	47.527	ug/L	99
65) 1,4-Dichlorobenzene	13.540	146	413173	46.762	ug/L	99
67) 1,2-Dichlorobenzene	13.834	146	366771	47.851	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.451	75	24749	42.716	ug/L #	89
69) 1,3,5-Trichlorobenzene	14.598	180	283885	48.786	ug/L	100
70) 1,2,4-trichlorobenzene	15.104	180	231637	48.783	ug/L	99
71) Naphthalene	15.334	128	419784	50.246	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	213789	48.477	ug/L	97

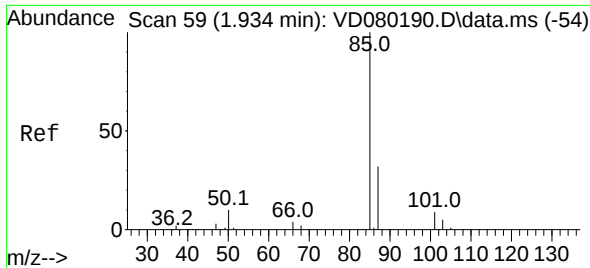
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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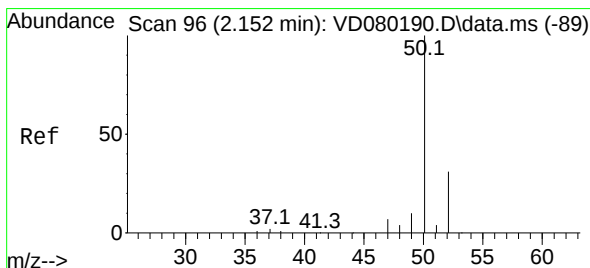
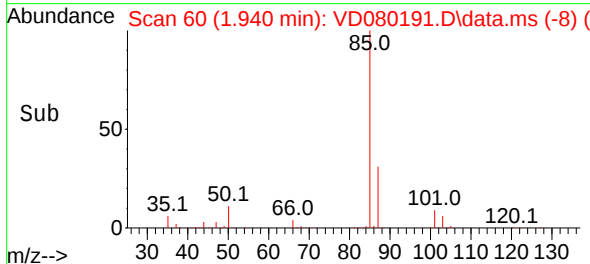
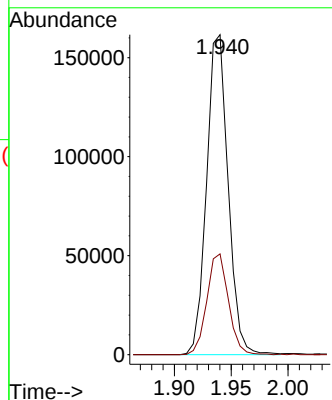
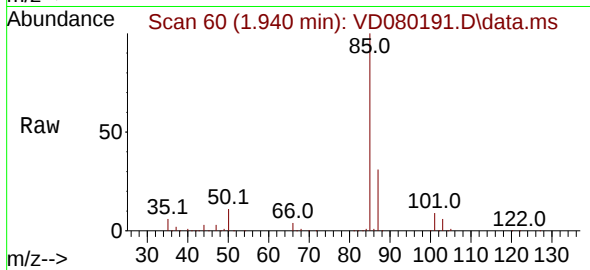




#2
 Dichlorodifluoromethane
 Concen: 44.469 ug/L
 RT: 1.940 min Scan# 60
 Delta R.T. 0.006 min
 Lab File: VD080191.D
 Acq: 09 Jan 2025 11:55

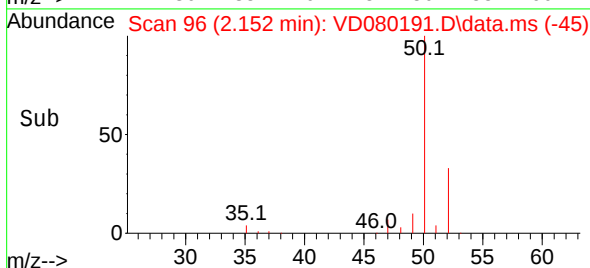
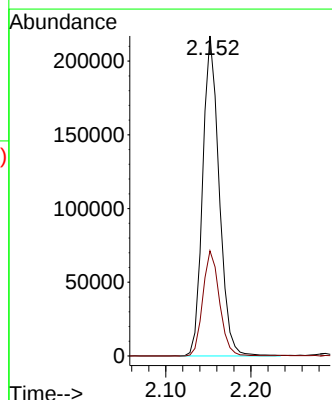
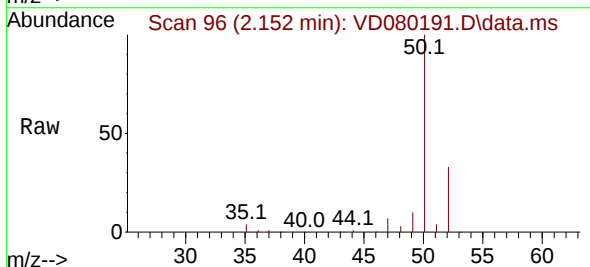
Instrument :
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 ClientSampleId :

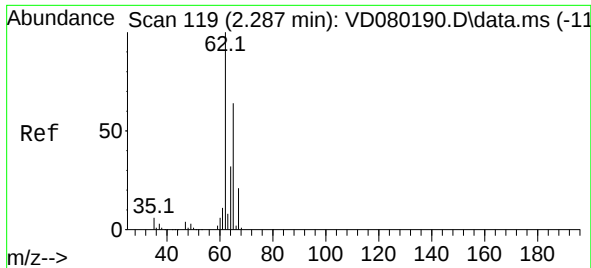
Tgt Ion: 85 Resp: 213045
 Ion Ratio Lower Upper
 85 100
 87 31.6 26.4 39.6



#3
 Chloromethane
 Concen: 44.691 ug/L
 RT: 2.152 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VD080191.D
 Acq: 09 Jan 2025 11:55

Tgt Ion: 50 Resp: 291890
 Ion Ratio Lower Upper
 50 100
 52 32.8 22.0 40.8

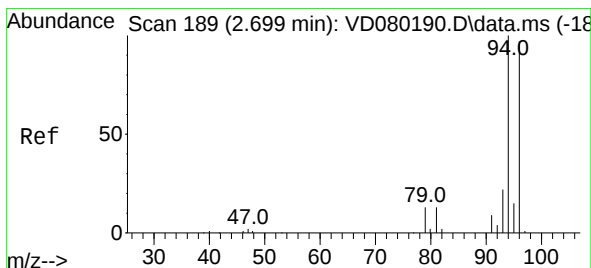
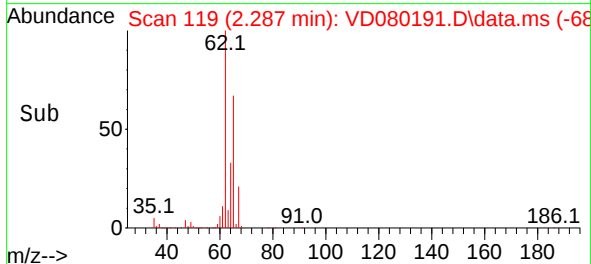
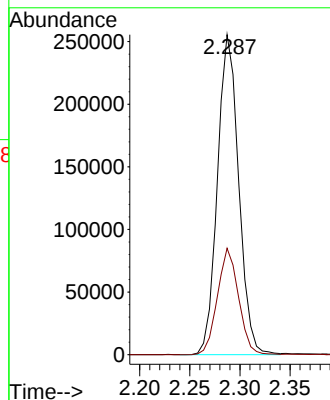
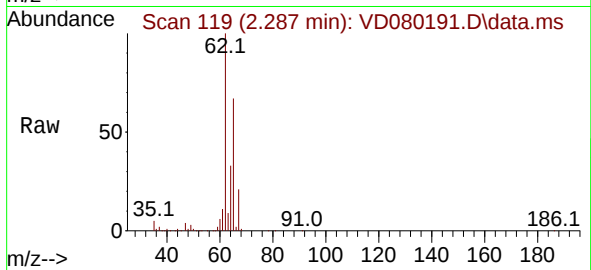




#5
Vinyl chloride
Concen: 46.902 ug/L
RT: 2.287 min Scan# 119
Delta R.T. 0.000 min
Lab File: VD080191.D
Acq: 09 Jan 2025 11:55

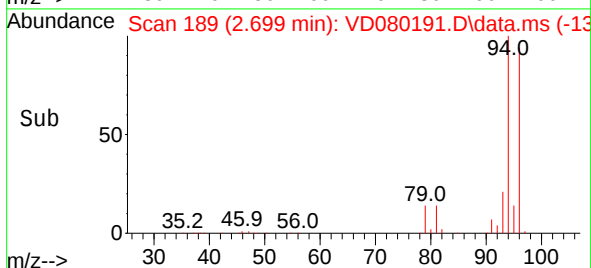
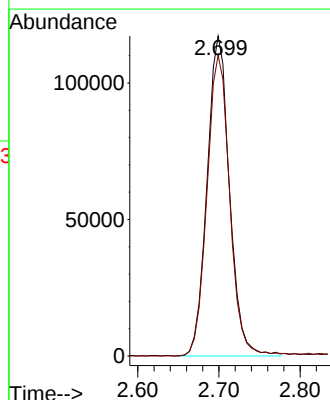
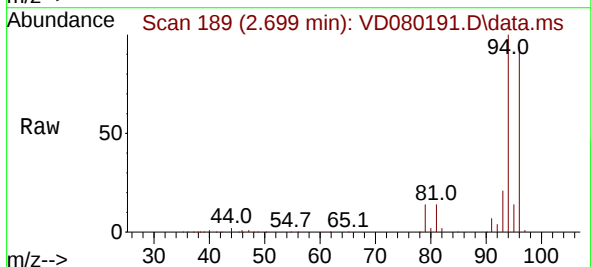
Instrument :
MSVOA_D
ClientSampleId :

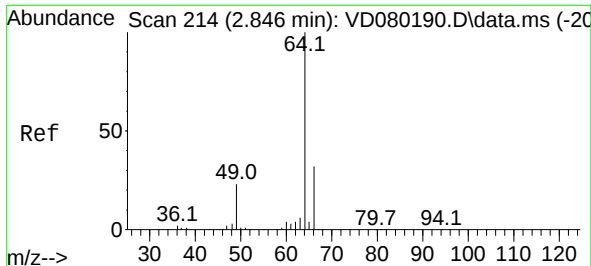
Tgt Ion: 62 Resp: 375874
Ion Ratio Lower Upper
62 100
64 33.2 22.3 41.5



#6
Bromomethane
Concen: 48.221 ug/L
RT: 2.699 min Scan# 189
Delta R.T. 0.000 min
Lab File: VD080191.D
Acq: 09 Jan 2025 11:55

Tgt Ion: 94 Resp: 225053
Ion Ratio Lower Upper
94 100
96 94.0 67.7 125.7

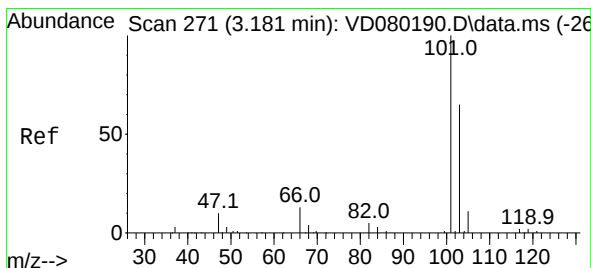
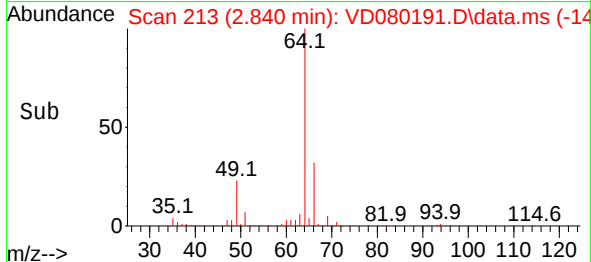
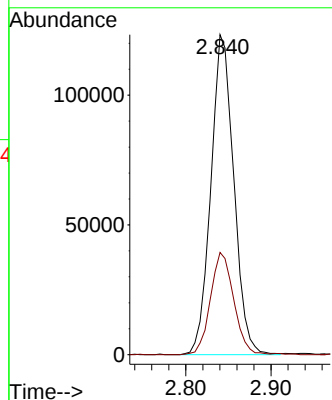
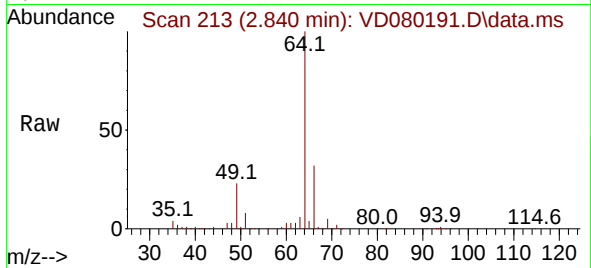




#8
Chloroethane
Concen: 47.011 ug/L
RT: 2.840 min Scan# 214
Delta R.T. -0.006 min
Lab File: VD080191.D
Acq: 09 Jan 2025 11:55

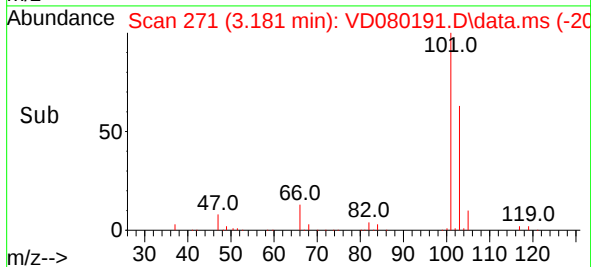
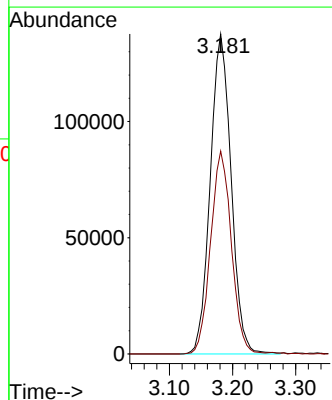
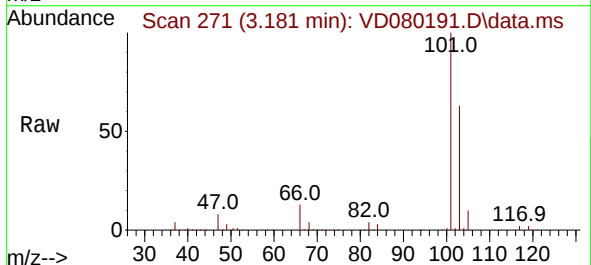
Instrument :
MSVOA_D
ClientSampleId :

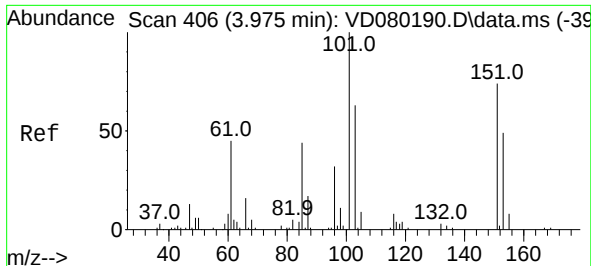
Tgt Ion: 64 Resp: 231099
Ion Ratio Lower Upper
64 100
66 32.0 22.3 41.5



#9
Trichlorofluoromethane
Concen: 47.437 ug/L
RT: 3.181 min Scan# 271
Delta R.T. 0.000 min
Lab File: VD080191.D
Acq: 09 Jan 2025 11:55

Tgt Ion:101 Resp: 315868
Ion Ratio Lower Upper
101 100
103 63.1 52.2 78.2





#10

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

Concen: 47.622 ug/L

RT: 3.969 min Scan# 406

Delta R.T. -0.006 min

Lab File: VD080191.D

Acq: 09 Jan 2025 11:55

Instrument :

MSVOA_D

ClientSampleId :

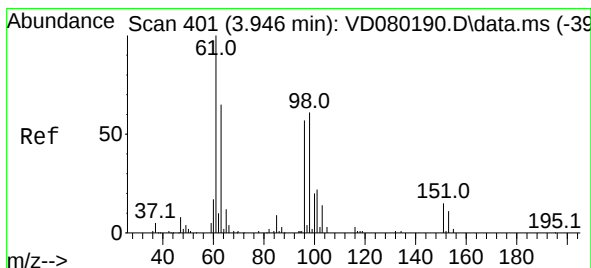
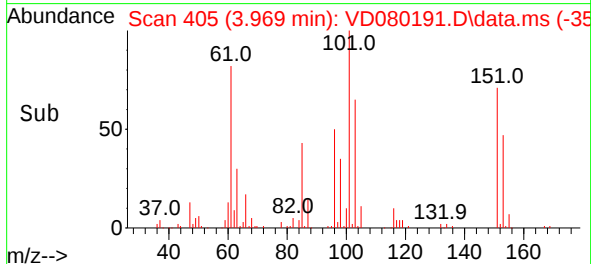
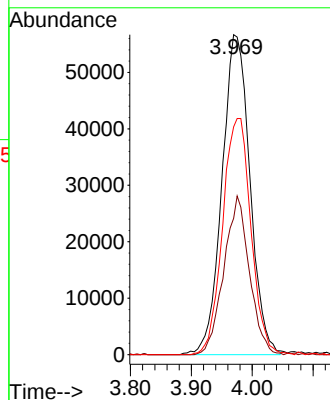
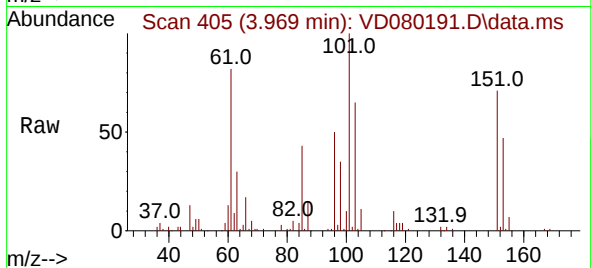
Tgt Ion:101 Resp: 180925

Ion Ratio Lower Upper

101 100

85 45.2 35.6 53.4

151 74.7 60.0 90.0



#12

1,1-Dichloroethene

Concen: 49.749 ug/L

RT: 3.946 min Scan# 401

Delta R.T. 0.000 min

Lab File: VD080191.D

Acq: 09 Jan 2025 11:55

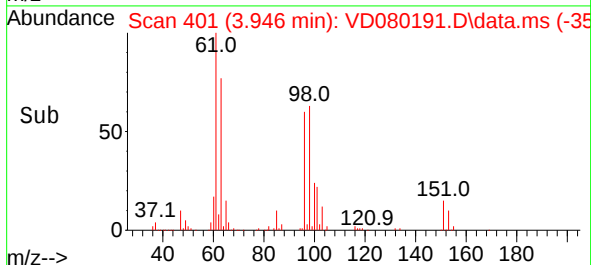
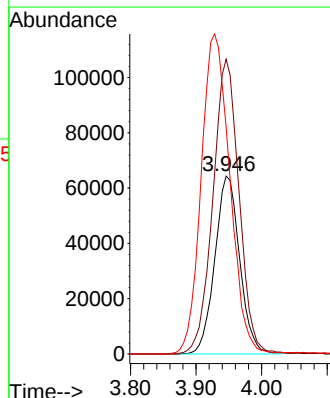
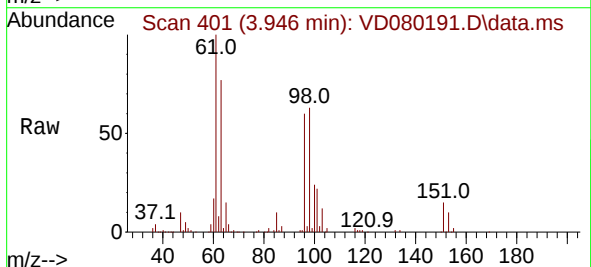
Tgt Ion: 96 Resp: 168707

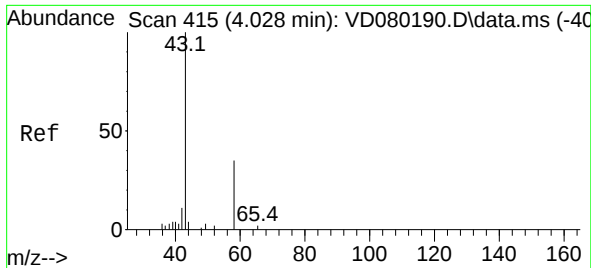
Ion Ratio Lower Upper

96 100

61 165.7 123.1 228.7

63 127.6 89.6 166.4

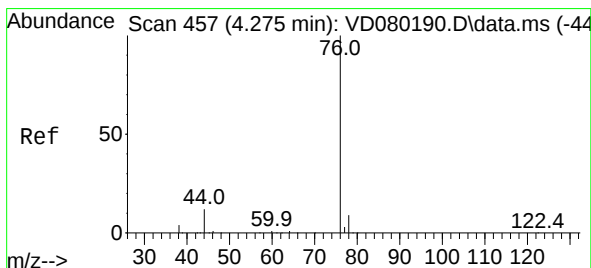
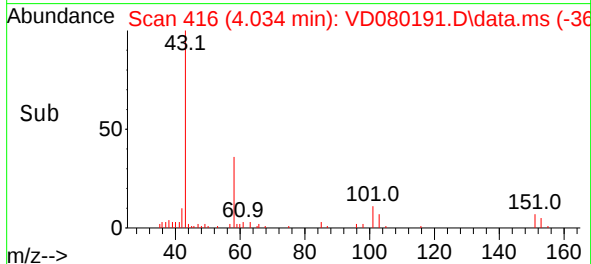
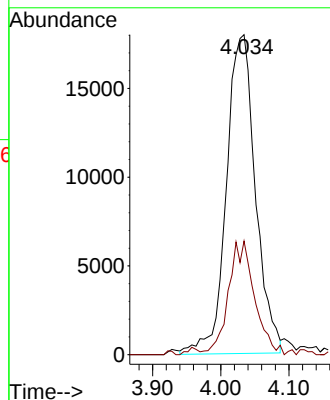
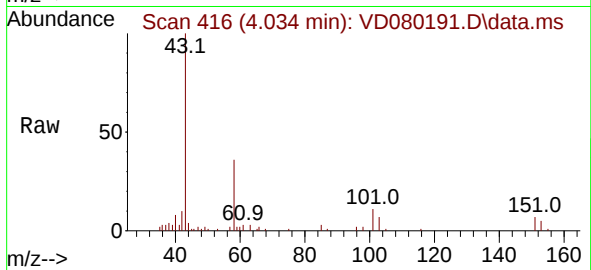




#13
Acetone
Concen: 82.468 ug/L
RT: 4.034 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD080191.D
Acq: 09 Jan 2025 11:55

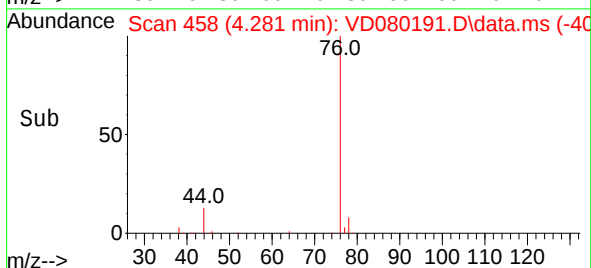
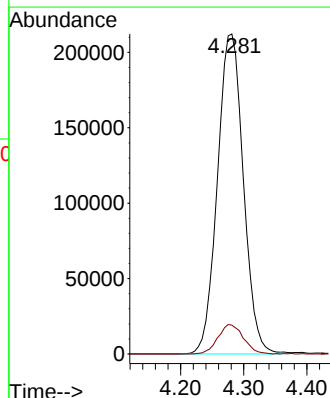
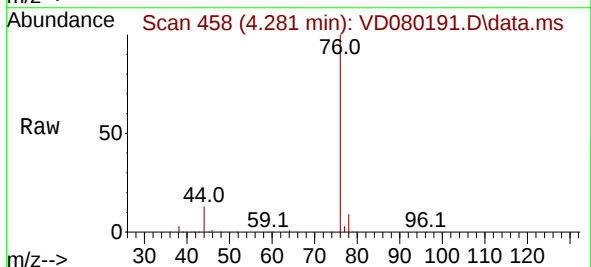
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MSVOA_D
ClientSampleId :

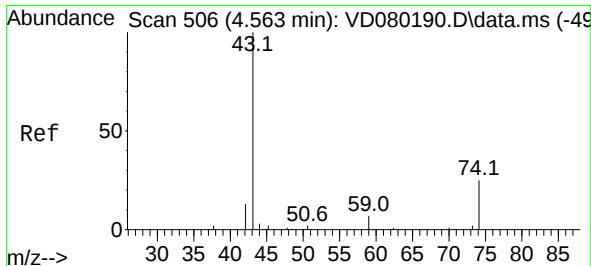
Tgt Ion: 43 Resp: 53424
Ion Ratio Lower Upper
43 100
58 15.0 0.0 52.8



#14
Carbon disulfide
Concen: 47.891 ug/L
RT: 4.281 min Scan# 458
Delta R.T. 0.006 min
Lab File: VD080191.D
Acq: 09 Jan 2025 11:55

Tgt Ion: 76 Resp: 605304
Ion Ratio Lower Upper
76 100
78 9.0 7.5 11.3

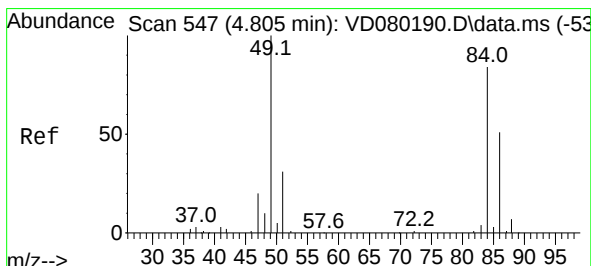
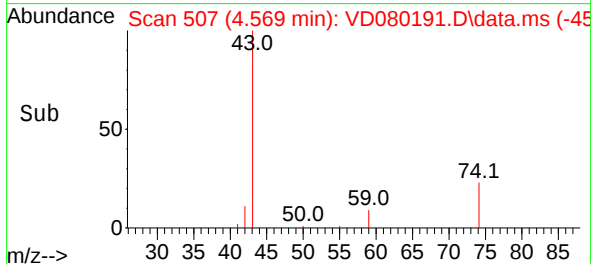
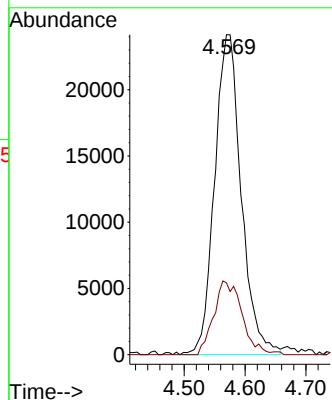
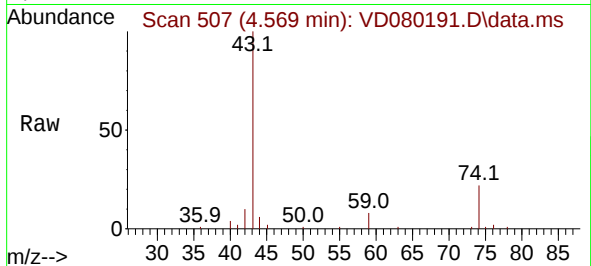




#15
Methyl Acetate
Concen: 46.001 ug/L
RT: 4.569 min Scan# 506
Delta R.T. 0.006 min
Lab File: VD080191.D
Acq: 09 Jan 2025 11:55

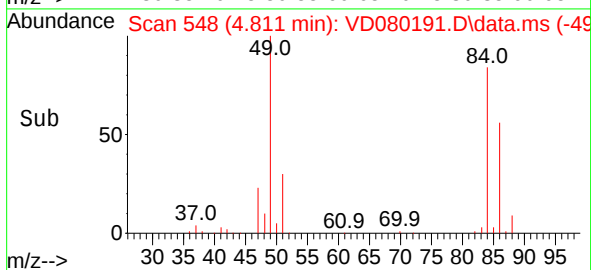
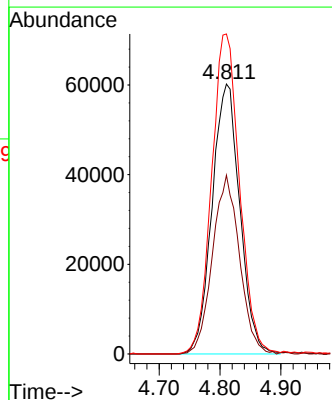
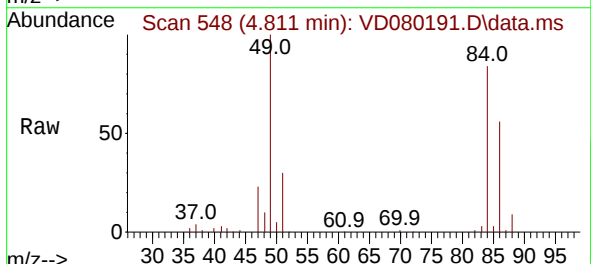
Instrument :
MSVOA_D
ClientSampleId :

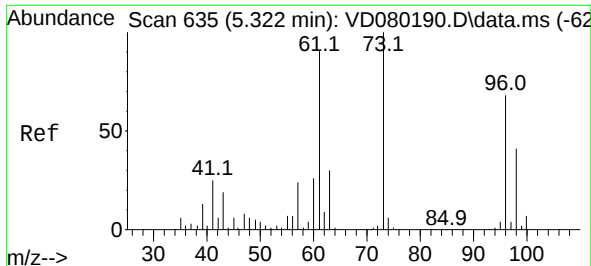
Tgt Ion: 43 Resp: 73282
Ion Ratio Lower Upper
43 100
74 14.4 10.1 15.1



#16
Methylene chloride
Concen: 46.454 ug/L
RT: 4.811 min Scan# 548
Delta R.T. 0.006 min
Lab File: VD080191.D
Acq: 09 Jan 2025 11:55

Tgt Ion: 84 Resp: 190362
Ion Ratio Lower Upper
84 100
86 66.2 42.8 79.4
49 118.5 83.1 154.3





#17

trans-1,2-Dichloroethene

Concen: 50.099 ug/L

RT: 5.316 min Scan# 61

Delta R.T. -0.006 min

Lab File: VD080191.D

Acq: 09 Jan 2025 11:55

Instrument :

MSVOA_D

ClientSampleId :

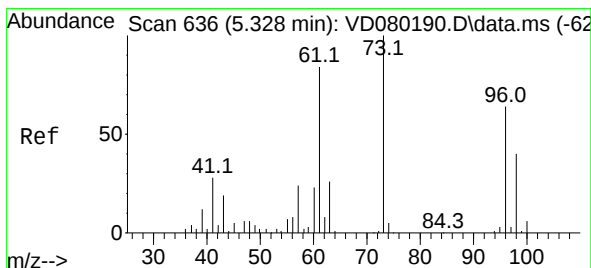
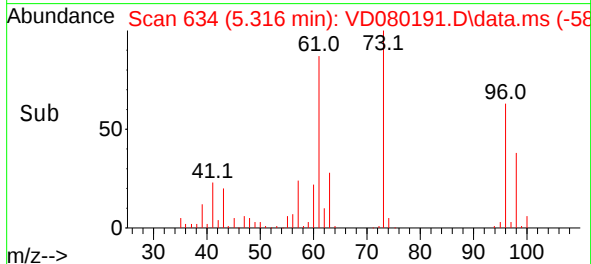
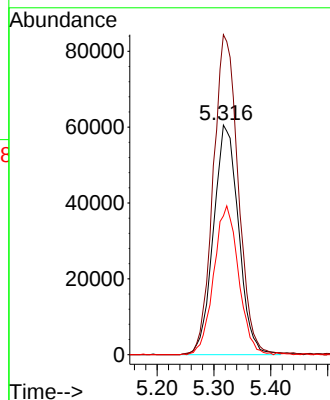
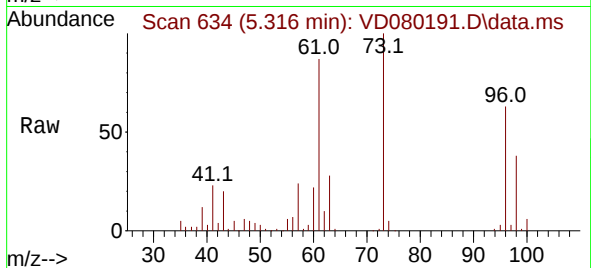
Tgt Ion: 96 Resp: 185881

Ion Ratio Lower Upper

96 100

61 139.3 93.7 173.9

98 60.4 42.1 78.1



#18

Methyl tert-butyl Ether

Concen: 52.500 ug/L

RT: 5.322 min Scan# 635

Delta R.T. -0.006 min

Lab File: VD080191.D

Acq: 09 Jan 2025 11:55

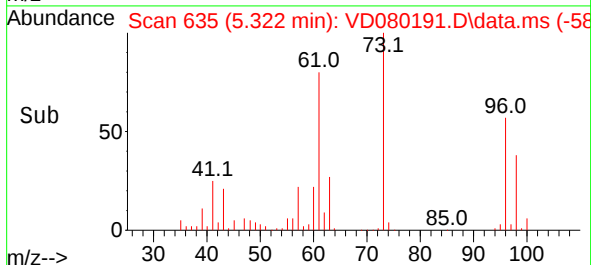
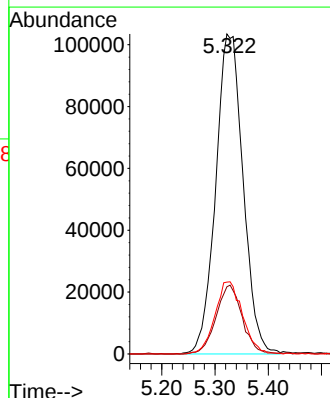
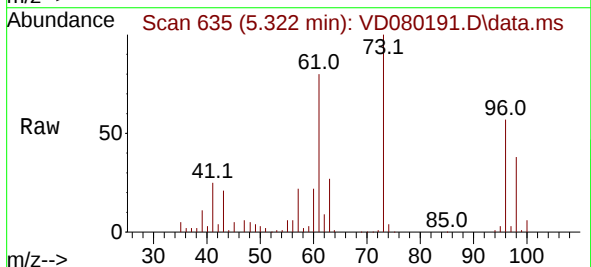
Tgt Ion: 73 Resp: 369007

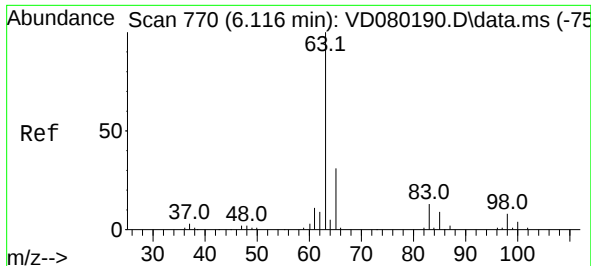
Ion Ratio Lower Upper

73 100

43 20.5 16.6 24.8

57 22.5 18.9 28.3





#19

1,1-Dichloroethane

Concen: 47.831 ug/L

RT: 6.116 min Scan# 770

Delta R.T. 0.000 min

Lab File: VD080191.D

Acq: 09 Jan 2025 11:55

Instrument :

MSVOA_D

ClientSampleId :

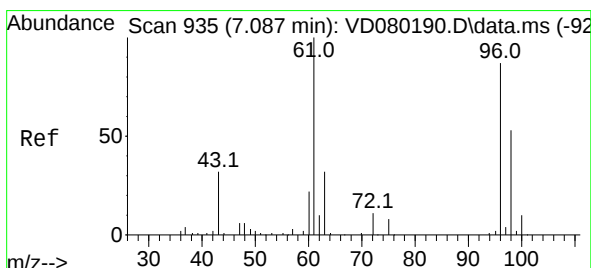
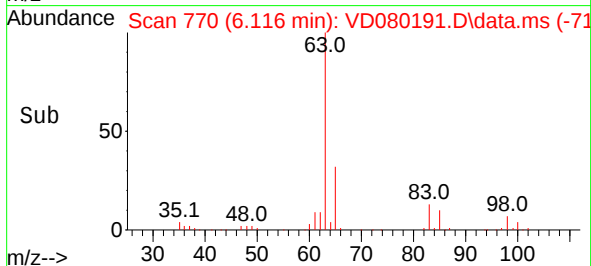
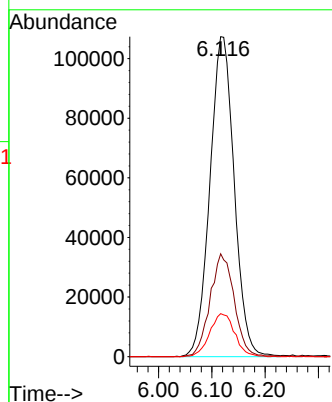
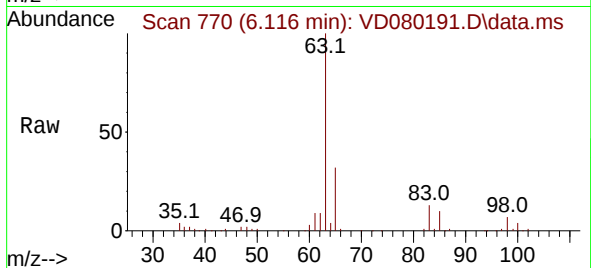
Tgt Ion: 63 Resp: 340650

Ion Ratio Lower Upper

63 100

65 32.1 21.7 40.3

83 13.5 8.8 16.4



#20

cis-1,2-Dichloroethene

Concen: 51.493 ug/L

RT: 7.087 min Scan# 935

Delta R.T. 0.000 min

Lab File: VD080191.D

Acq: 09 Jan 2025 11:55

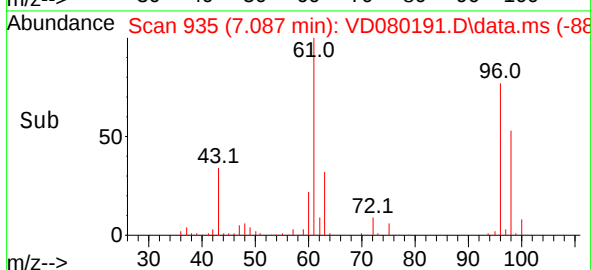
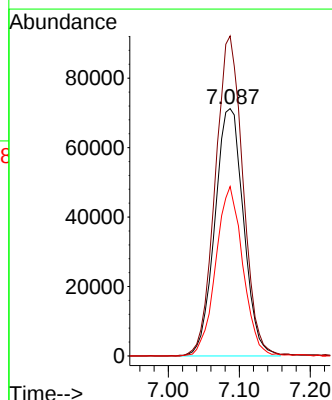
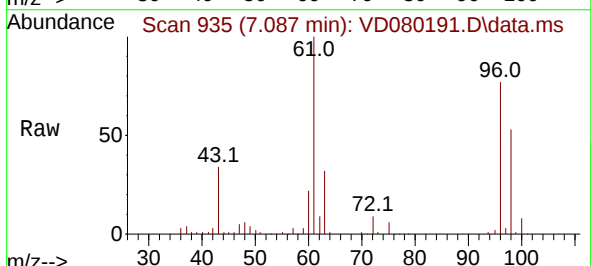
Tgt Ion: 96 Resp: 199768

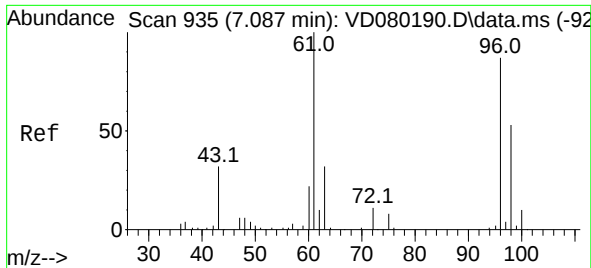
Ion Ratio Lower Upper

96 100

61 129.4 80.8 150.0

98 68.5 42.6 79.0

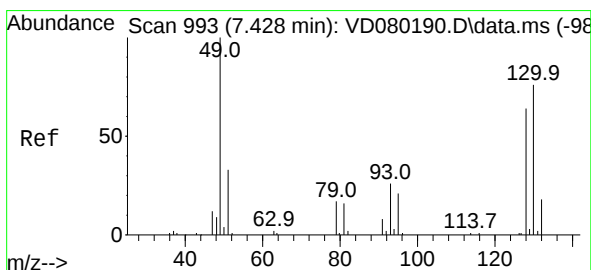
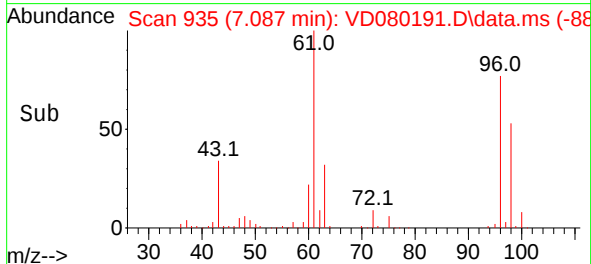
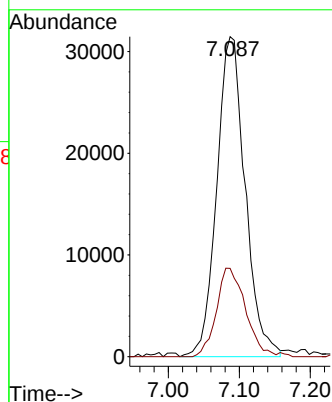
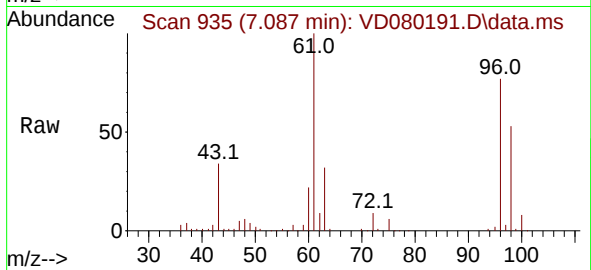




#22
2-Butanone
Concen: 94.679 ug/L
RT: 7.087 min Scan# 935
Delta R.T. 0.000 min
Lab File: VD080191.D
Acq: 09 Jan 2025 11:55

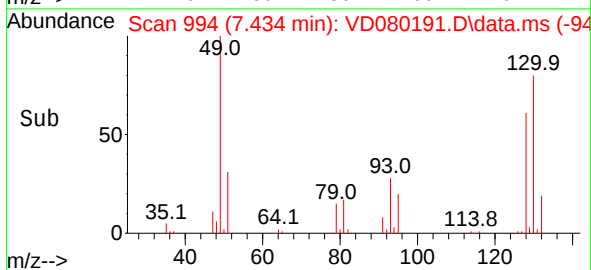
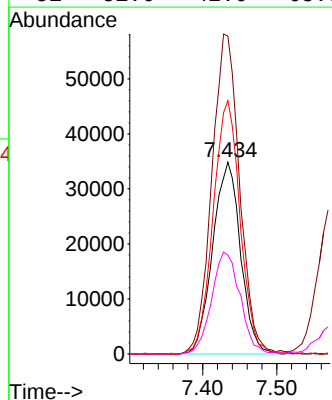
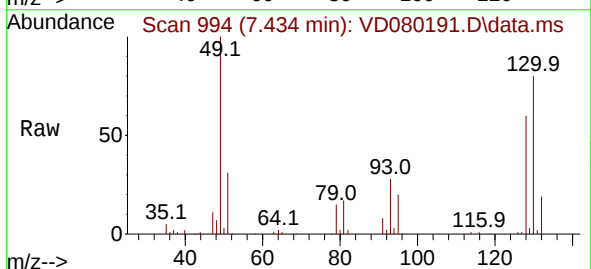
Instrument :
MSVOA_D
ClientSampleId :

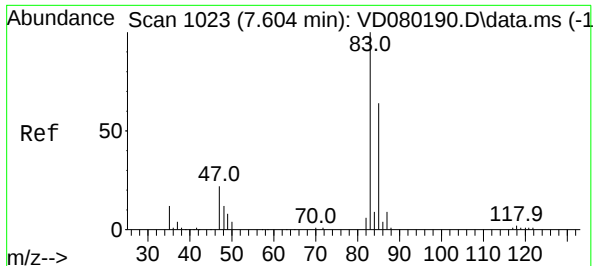
Tgt Ion: 43 Resp: 87305
Ion Ratio Lower Upper
43 100
72 28.2 14.0 42.0



#23
Bromochloromethane
Concen: 48.318 ug/L
RT: 7.434 min Scan# 994
Delta R.T. 0.006 min
Lab File: VD080191.D
Acq: 09 Jan 2025 11:55

Tgt Ion:128 Resp: 90858
Ion Ratio Lower Upper
128 100
49 165.8 110.7 205.7
130 132.1 83.1 154.3
51 51.6 42.0 63.0





#25

Chloroform

Concen: 46.940 ug/L

RT: 7.605 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD080191.D

Acq: 09 Jan 2025 11:55

Instrument :

MSVOA_D

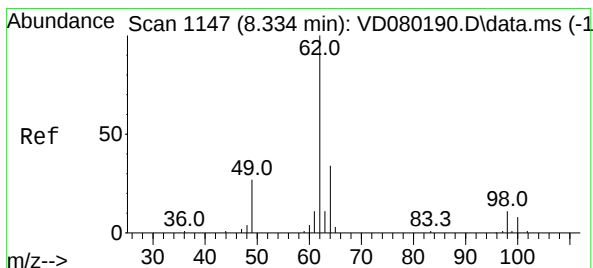
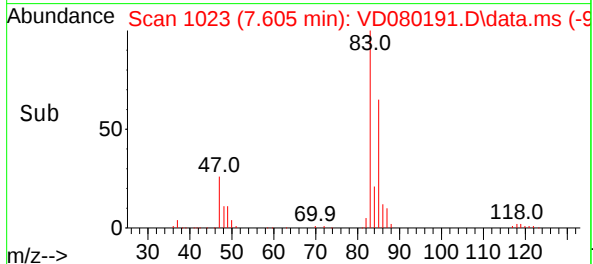
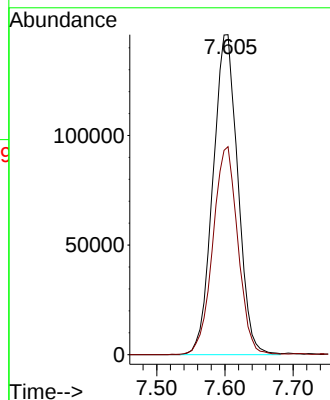
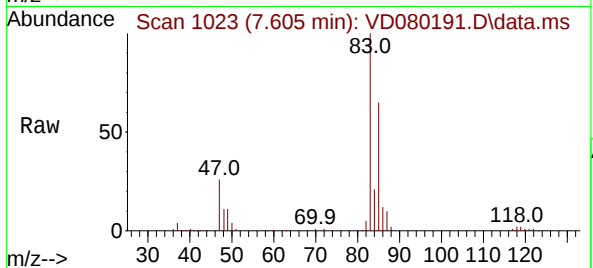
ClientSampleId :

Tgt Ion: 83 Resp: 370501

Ion Ratio Lower Upper

83 100

85 65.0 45.1 83.9



#27

1,2-Dichloroethane

Concen: 47.153 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. -0.006 min

Lab File: VD080191.D

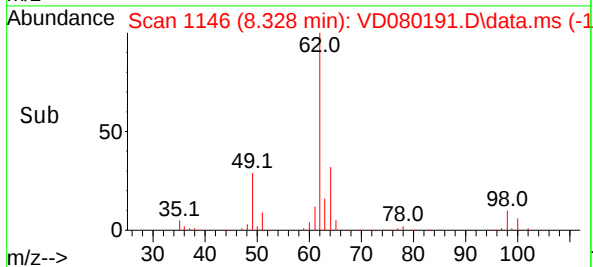
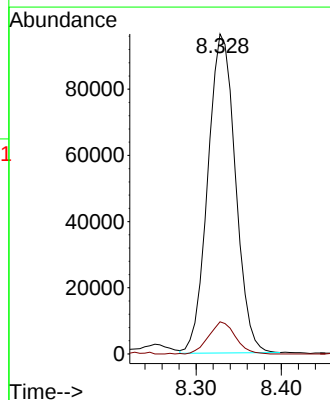
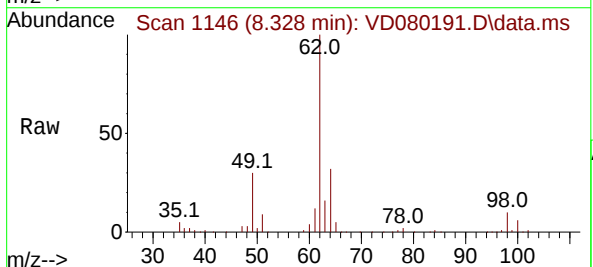
Acq: 09 Jan 2025 11:55

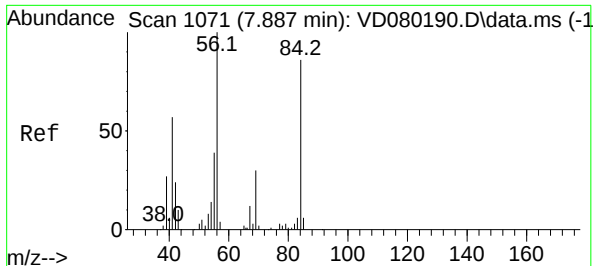
Tgt Ion: 62 Resp: 217114

Ion Ratio Lower Upper

62 100

98 10.0 8.6 13.0





#29

Cyclohexane

Concen: 53.565 ug/L

RT: 7.881 min Scan# 1071

Delta R.T. -0.006 min

Lab File: VD080191.D

Acq: 09 Jan 2025 11:55

Instrument :

MSVOA_D

ClientSampleId :

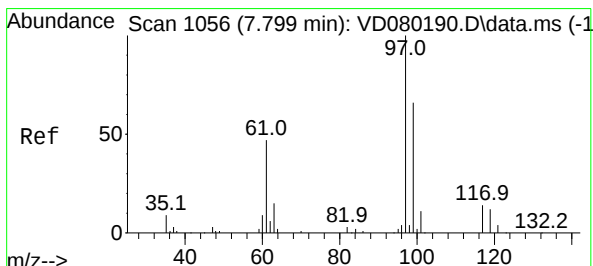
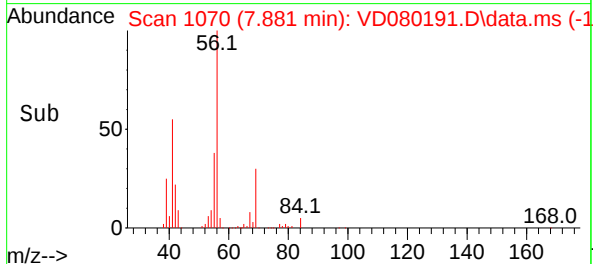
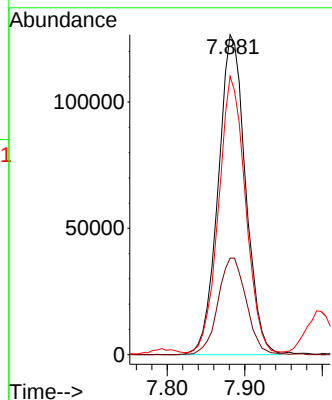
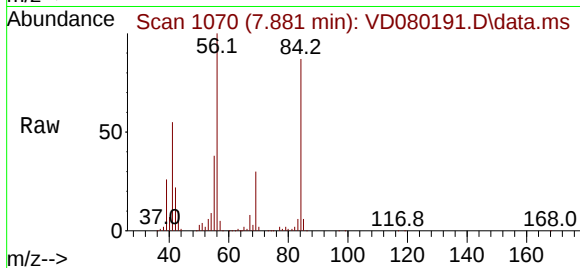
Tgt Ion: 56 Resp: 310799

Ion Ratio Lower Upper

56 100

69 31.2 24.2 36.4

84 85.9 68.8 103.2



#30

1,1,1-Trichloroethane

Concen: 48.595 ug/L

RT: 7.799 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VD080191.D

Acq: 09 Jan 2025 11:55

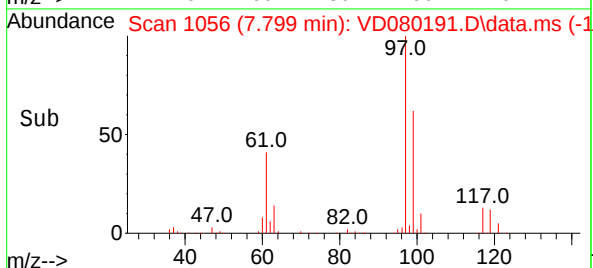
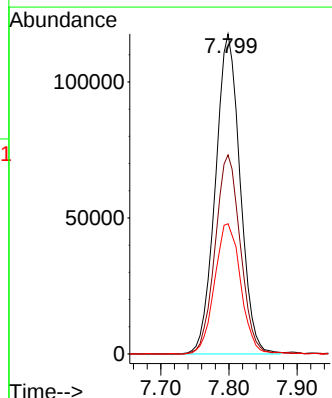
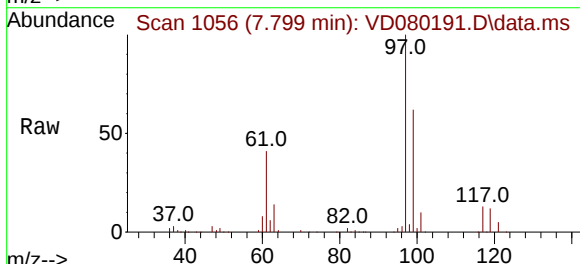
Tgt Ion: 97 Resp: 296908

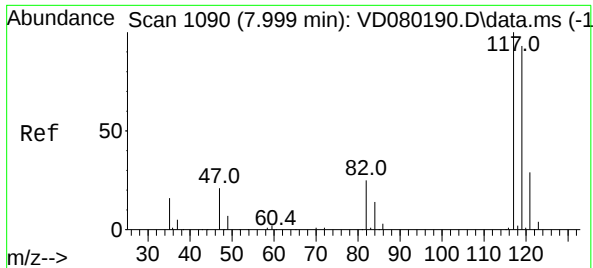
Ion Ratio Lower Upper

97 100

99 63.3 51.7 77.5

61 43.0 35.8 53.6

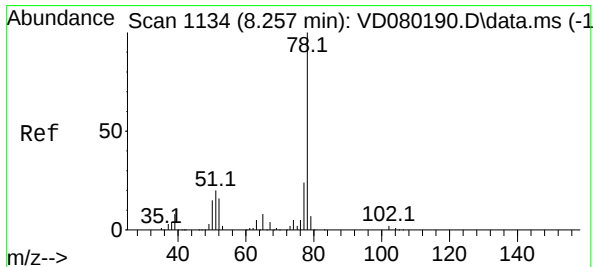
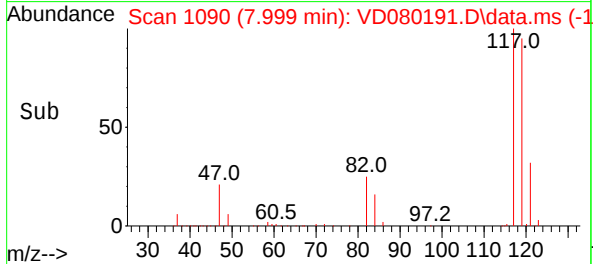
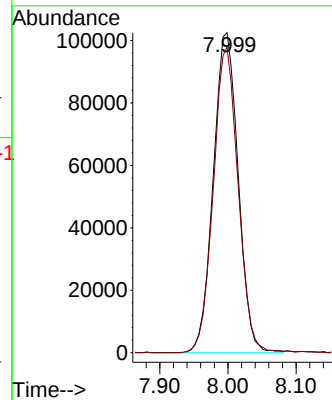
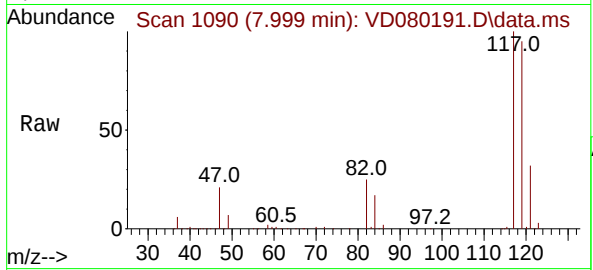




#31
Carbon tetrachloride
Concen: 48.298 ug/L
RT: 7.999 min Scan# 1109
Delta R.T. 0.000 min
Lab File: VD080191.D
Acq: 09 Jan 2025 11:55

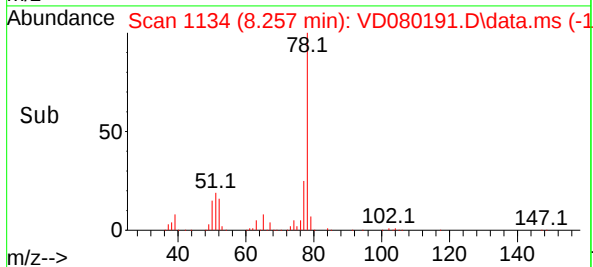
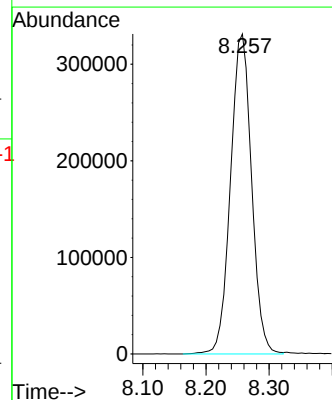
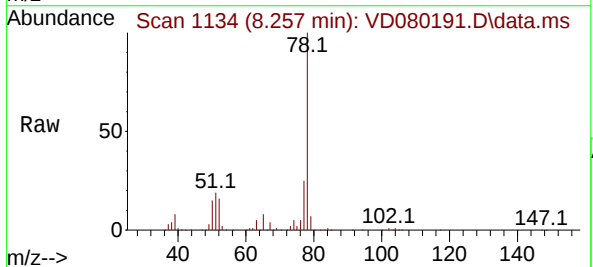
Instrument :
MSVOA_D
ClientSampleId :

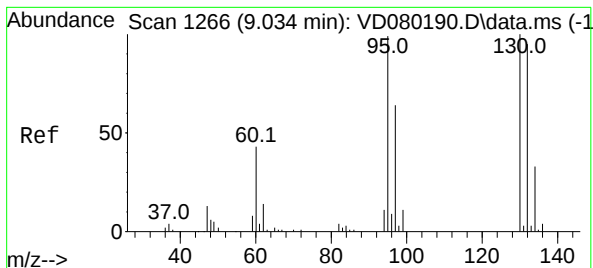
Tgt Ion:117 Resp: 260457
Ion Ratio Lower Upper
117 100
119 94.7 75.8 113.8



#33
Benzene
Concen: 48.902 ug/L
RT: 8.257 min Scan# 1134
Delta R.T. 0.000 min
Lab File: VD080191.D
Acq: 09 Jan 2025 11:55

Tgt Ion: 78 Resp: 766873





#34

Trichloroethene

Concen: 48.045 ug/L

RT: 9.034 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD080191.D

Acq: 09 Jan 2025 11:55

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 95 Resp: 195131

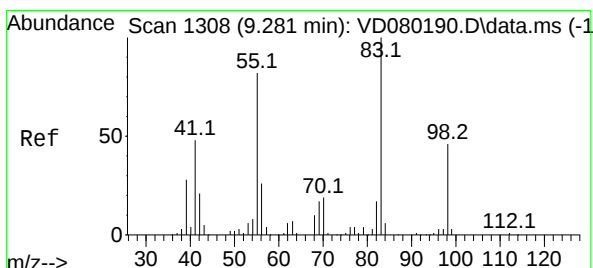
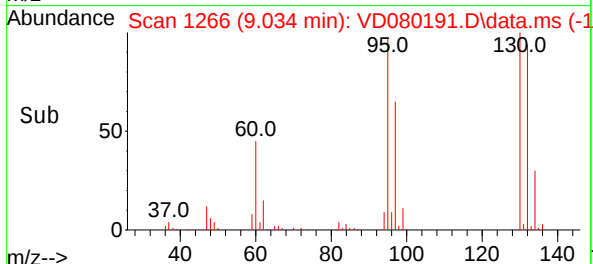
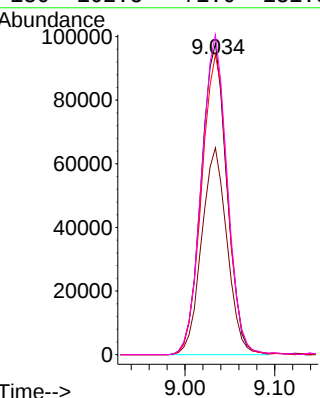
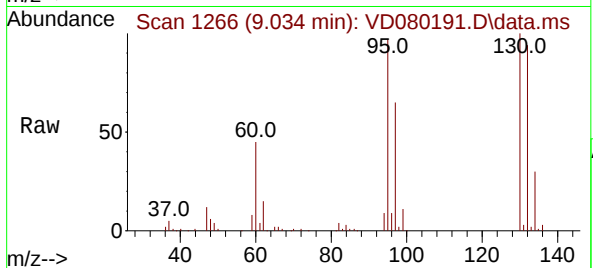
Ion Ratio Lower Upper

95 100

97 66.5 45.6 84.6

132 96.4 67.2 124.8

130 102.8 71.0 131.8



#35

Methylcyclohexane

Concen: 52.050 ug/L

RT: 9.275 min Scan# 1307

Delta R.T. -0.006 min

Lab File: VD080191.D

Acq: 09 Jan 2025 11:55

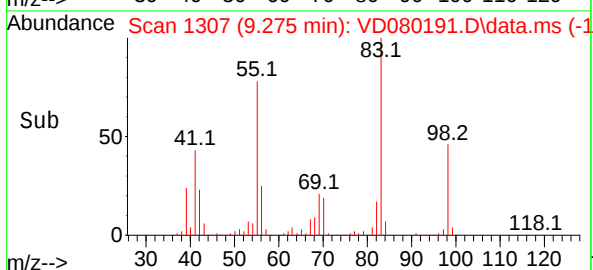
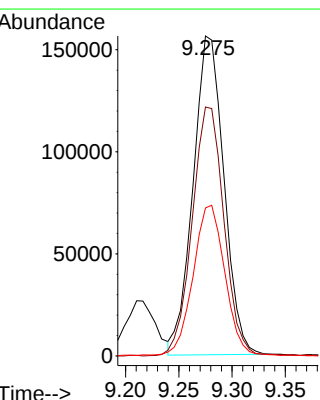
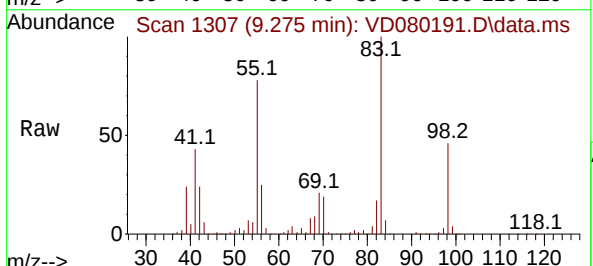
Tgt Ion: 83 Resp: 314348

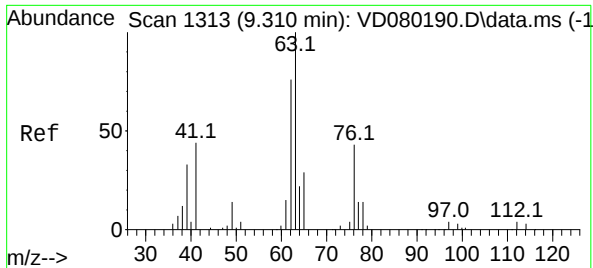
Ion Ratio Lower Upper

83 100

55 80.3 65.6 98.4

98 48.9 37.7 56.5

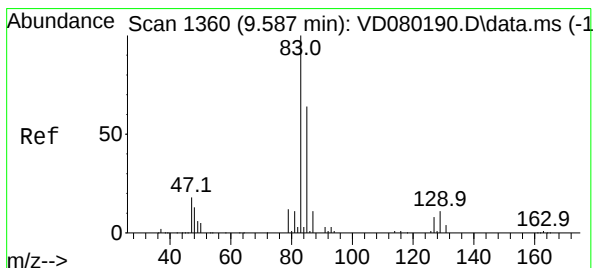
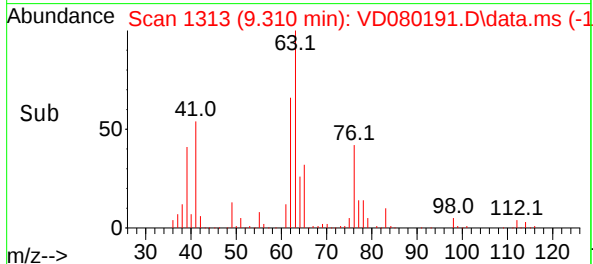
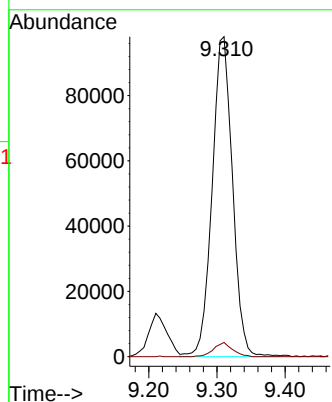
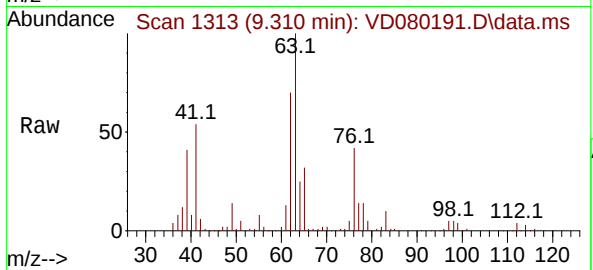




#37
1,2-Dichloropropane
Concen: 47.702 ug/L
RT: 9.310 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VD080191.D
Acq: 09 Jan 2025 11:55

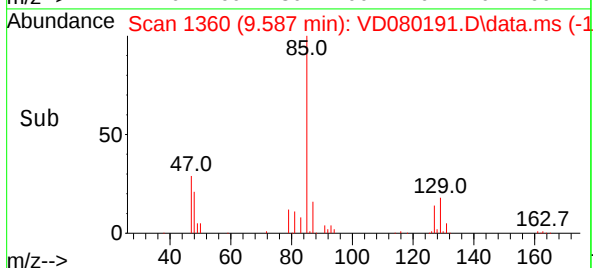
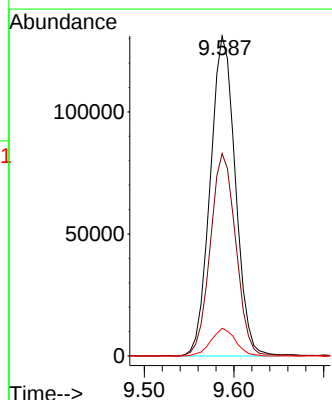
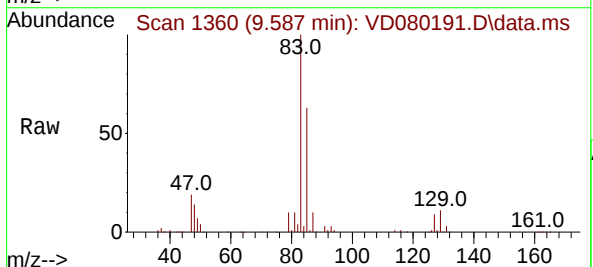
Instrument :
MSVOA_D
ClientSampleId :

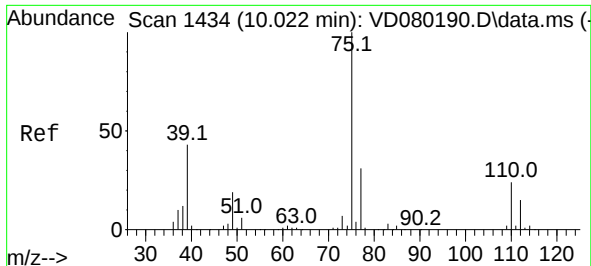
Tgt Ion: 63 Resp: 203805
Ion Ratio Lower Upper
63 100
112 4.1 3.6 5.4



#38
Bromodichloromethane
Concen: 47.641 ug/L
RT: 9.587 min Scan# 1360
Delta R.T. 0.000 min
Lab File: VD080191.D
Acq: 09 Jan 2025 11:55

Tgt Ion: 83 Resp: 255190
Ion Ratio Lower Upper
83 100
85 63.3 44.6 82.8
127 8.7 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 52.280 ug/L

RT: 10.022 min Scan# 1434

Delta R.T. 0.000 min

Lab File: VD080191.D

Acq: 09 Jan 2025 11:55

Instrument :

MSVOA_D

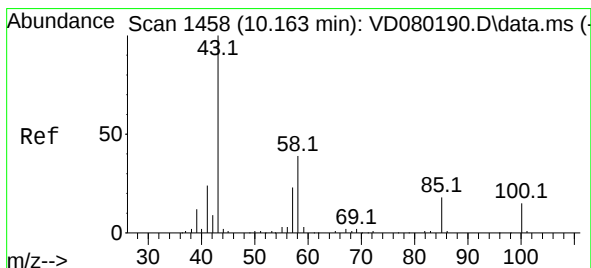
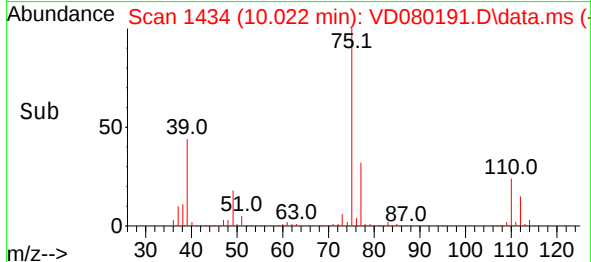
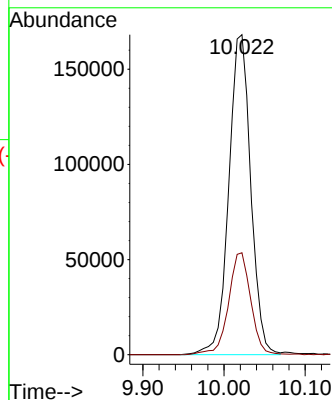
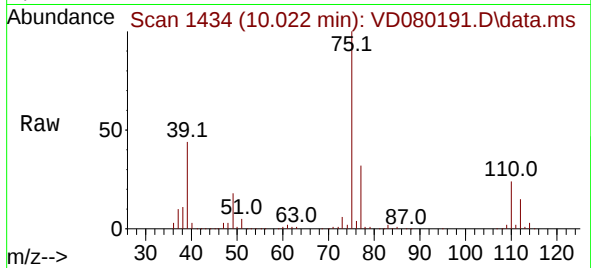
ClientSampleId :

Tgt Ion: 75 Resp: 315706

Ion Ratio Lower Upper

75 100

77 31.8 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 98.149 ug/L

RT: 10.163 min Scan# 1458

Delta R.T. 0.000 min

Lab File: VD080191.D

Acq: 09 Jan 2025 11:55

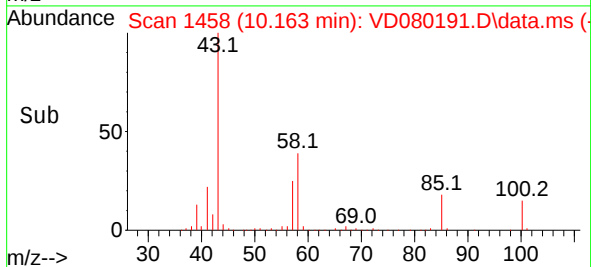
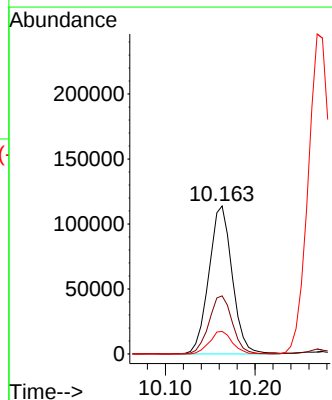
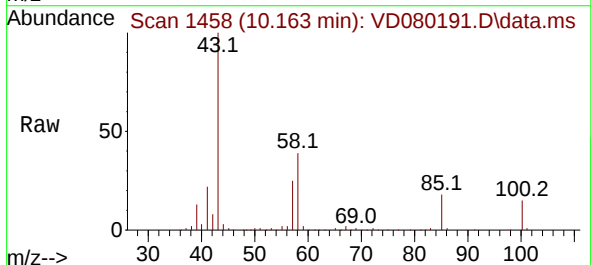
Tgt Ion: 43 Resp: 205848

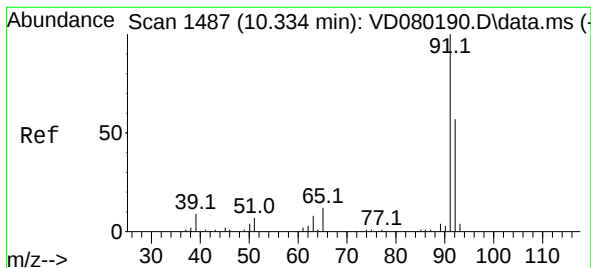
Ion Ratio Lower Upper

43 100

58 39.2 31.0 46.6

100 14.9 12.1 18.1





#42

Toluene

Concen: 51.927 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD080191.D

Acq: 09 Jan 2025 11:55

Instrument :

MSVOA_D

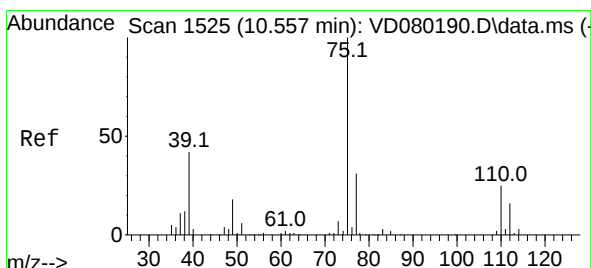
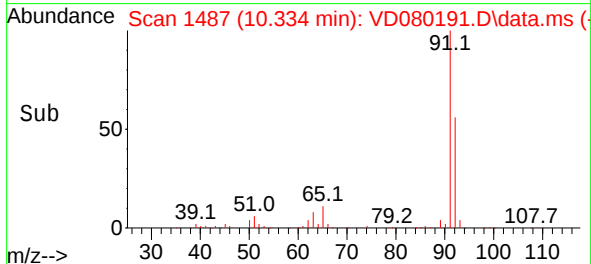
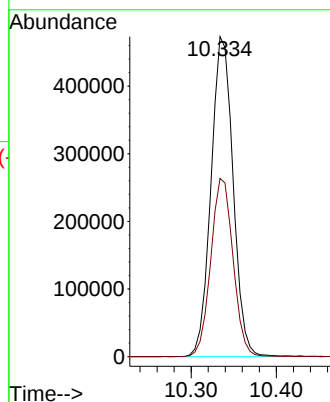
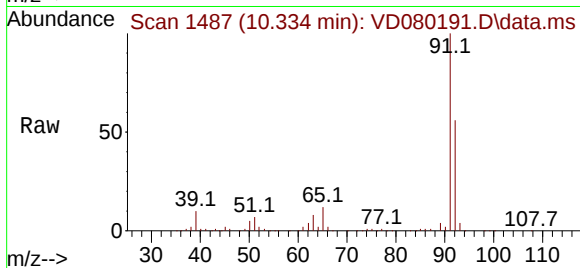
ClientSampleId :

Tgt Ion: 91 Resp: 850787

Ion Ratio Lower Upper

91 100

92 55.7 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 51.592 ug/L

RT: 10.557 min Scan# 1525

Delta R.T. 0.000 min

Lab File: VD080191.D

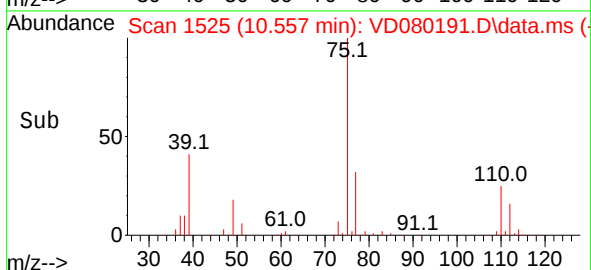
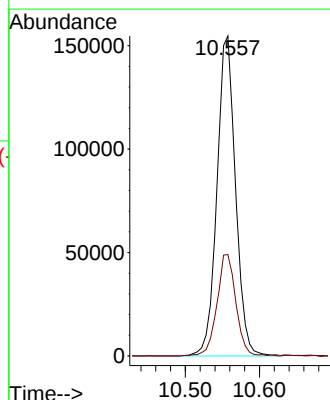
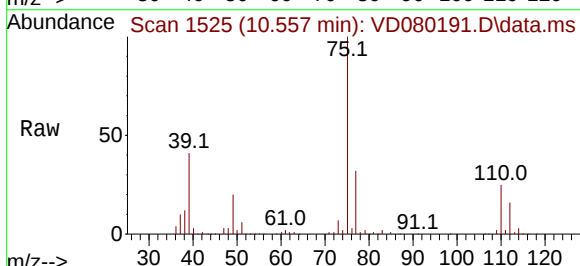
Acq: 09 Jan 2025 11:55

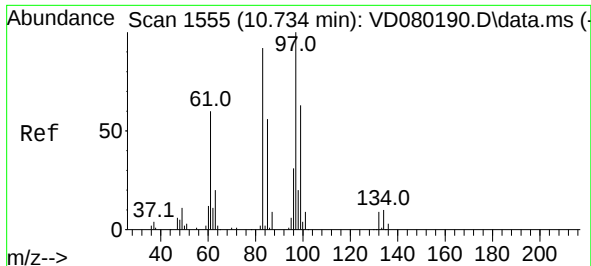
Tgt Ion: 75 Resp: 269047

Ion Ratio Lower Upper

75 100

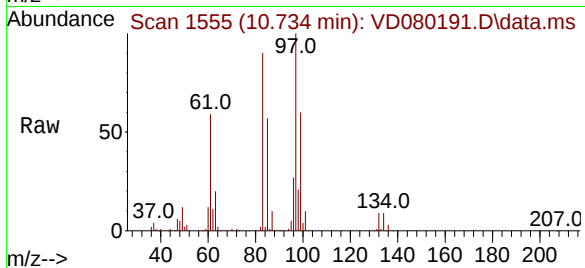
77 31.7 22.0 40.8



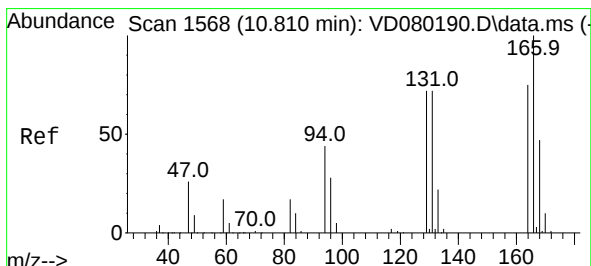
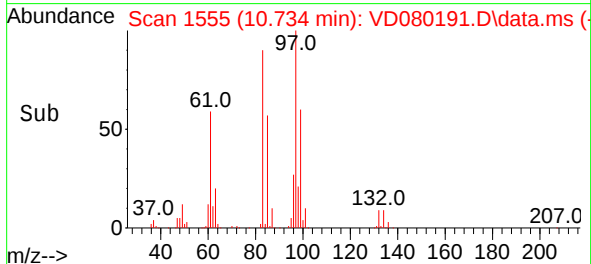
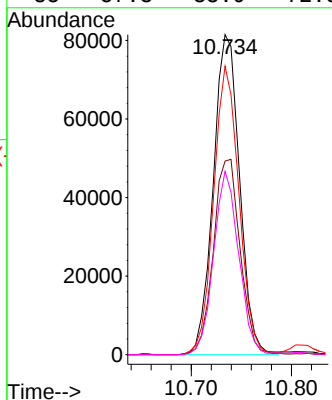


#45
1,1,2-Trichloroethane
Concen: 47.570 ug/L
RT: 10.734 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VD080191.D
Acq: 09 Jan 2025 11:55

Instrument :
MSVOA_D
ClientSampleId :

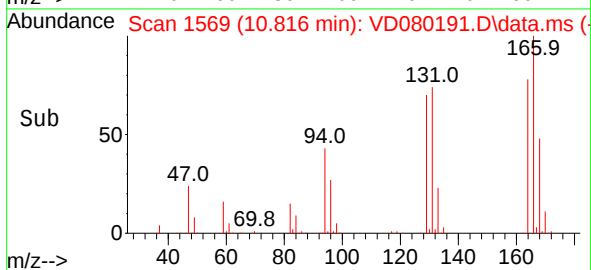
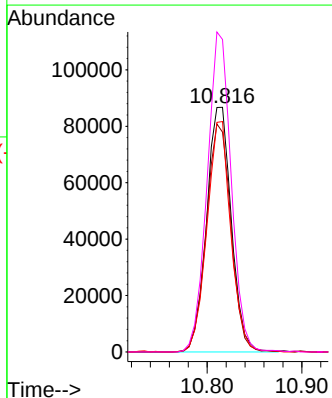
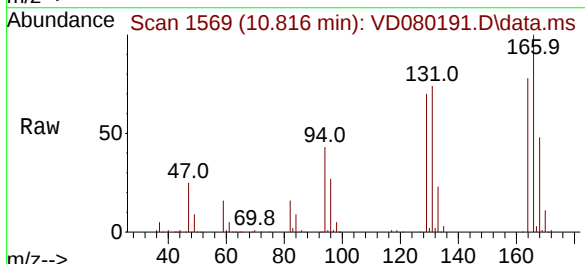


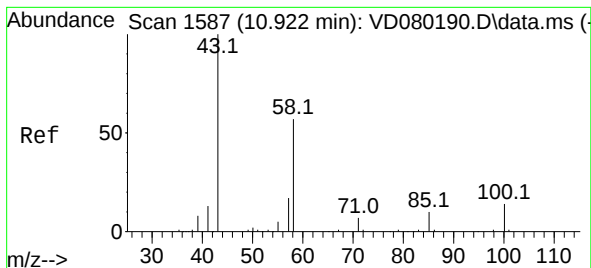
Tgt Ion:	97	Resp:	148393
Ion	Ratio	Lower	Upper
97	100		
99	60.5	44.0	81.8
83	90.2	64.4	119.6
85	57.3	38.9	72.3



#46
Tetrachloroethene
Concen: 48.086 ug/L
RT: 10.816 min Scan# 1569
Delta R.T. 0.006 min
Lab File: VD080191.D
Acq: 09 Jan 2025 11:55

Tgt Ion:	164	Resp:	157360
Ion	Ratio	Lower	Upper
164	100		
129	89.9	67.8	125.8
131	94.2	67.6	125.6
166	127.8	93.7	174.1





#48

2-Hexanone

Concen: 103.453 ug/L

RT: 10.922 min Scan# 1587

Delta R.T. 0.000 min

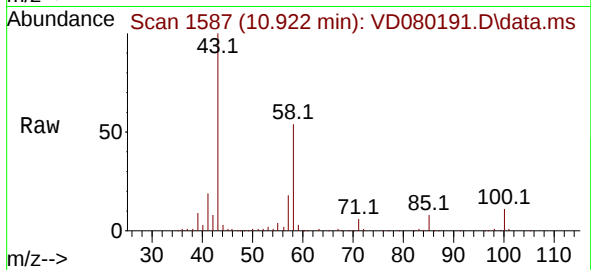
Lab File: VD080191.D

Acq: 09 Jan 2025 11:55

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 43 Resp: 144589

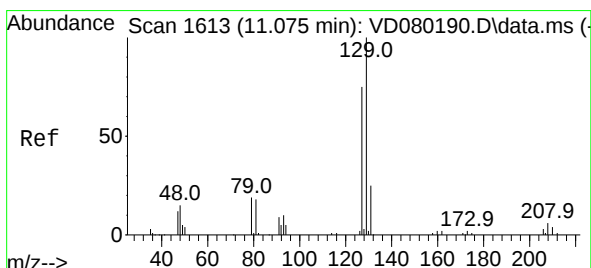
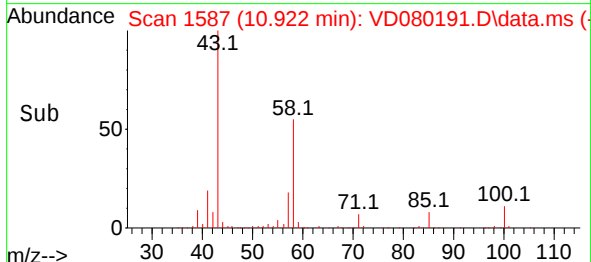
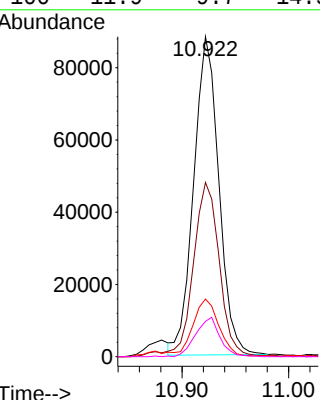
Ion Ratio Lower Upper

43 100

58 54.9 42.5 63.7

57 18.6 15.5 23.3

100 11.9 9.7 14.5



#49

Dibromochloromethane

Concen: 48.652 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. 0.000 min

Lab File: VD080191.D

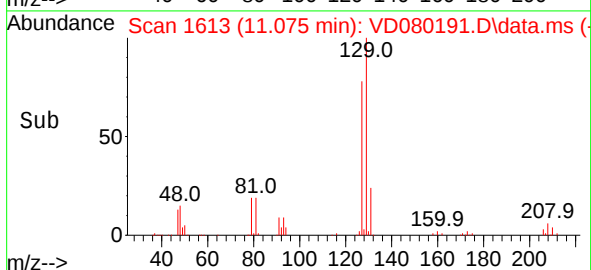
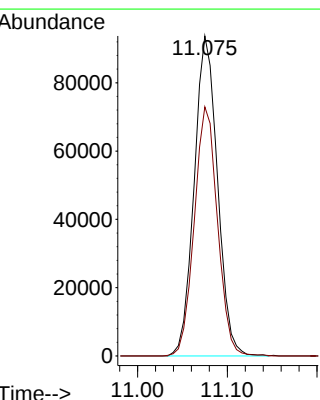
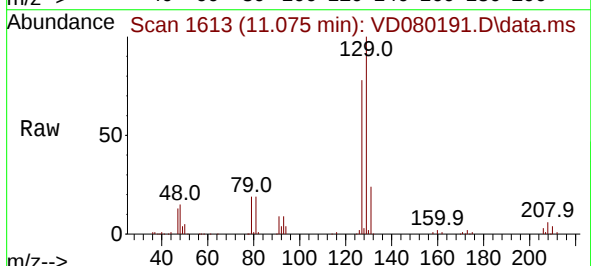
Acq: 09 Jan 2025 11:55

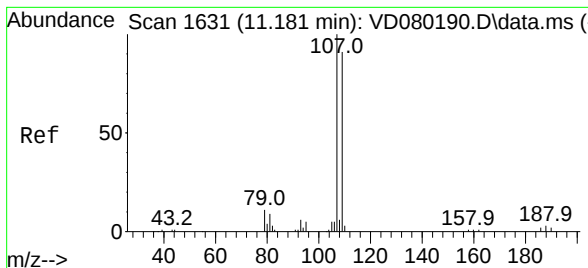
Tgt Ion:129 Resp: 169021

Ion Ratio Lower Upper

129 100

127 77.9 52.3 97.1





#50

1,2-Dibromoethane

Concen: 48.142 ug/L

RT: 11.181 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD080191.D

Acq: 09 Jan 2025 11:55

Instrument :

MSVOA_D

ClientSampleId :

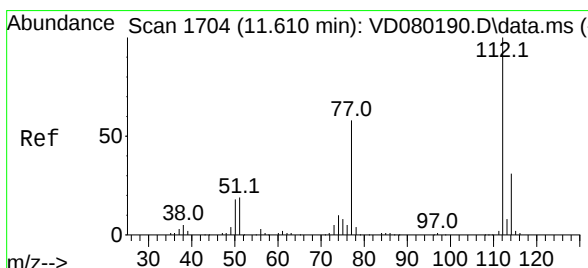
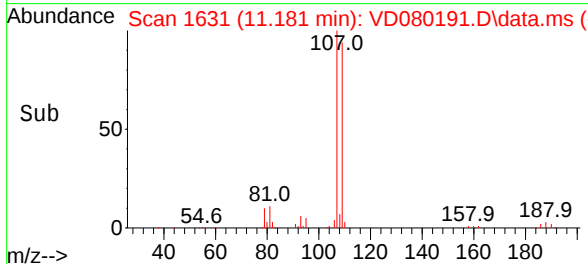
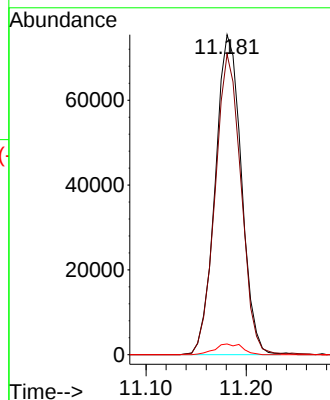
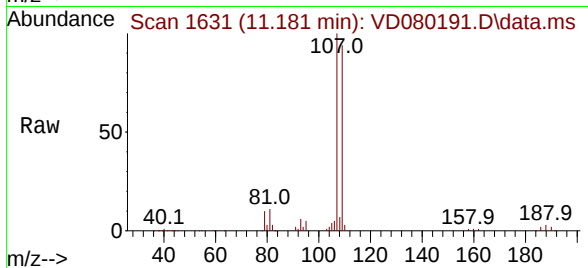
Tgt Ion:107 Resp: 136484

Ion Ratio Lower Upper

107 100

109 93.9 63.8 118.6

188 3.4 2.8 4.2



#51

Chlorobenzene

Concen: 49.107 ug/L

RT: 11.610 min Scan# 1704

Delta R.T. 0.000 min

Lab File: VD080191.D

Acq: 09 Jan 2025 11:55

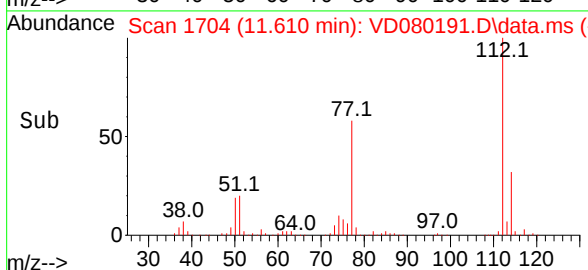
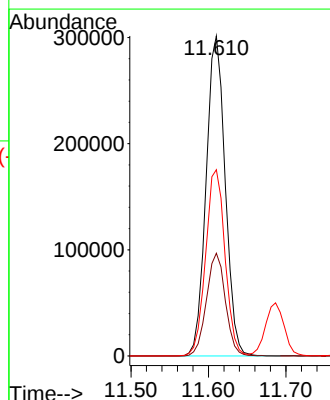
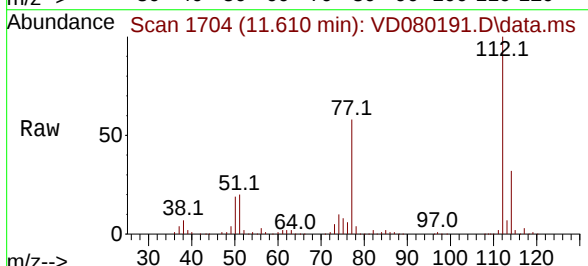
Tgt Ion:112 Resp: 515796

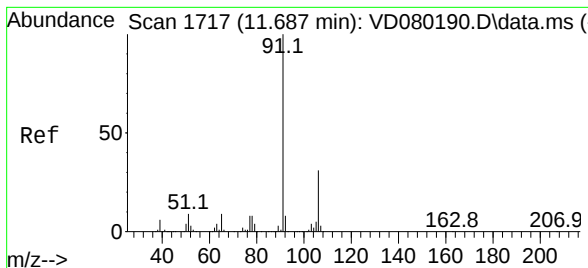
Ion Ratio Lower Upper

112 100

114 32.1 21.8 40.6

77 58.2 46.8 70.2

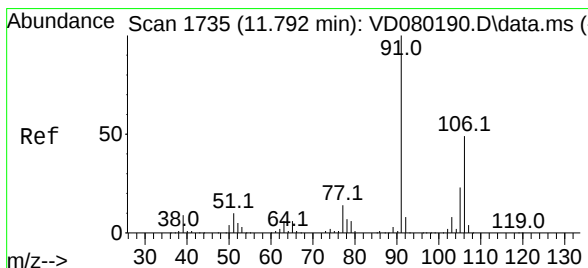
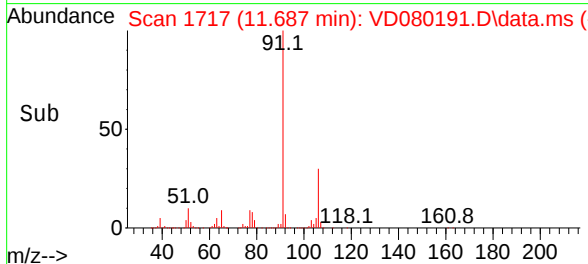
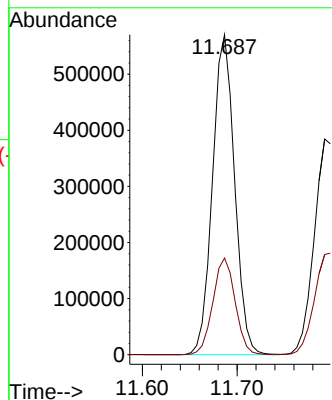
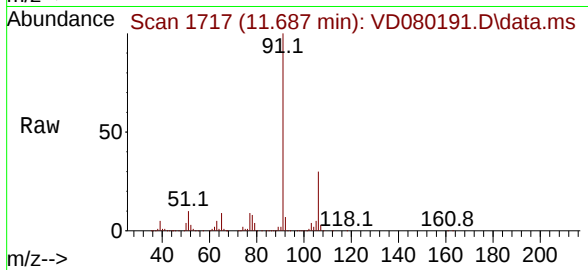




#52
Ethylbenzene
Concen: 52.493 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD080191.D
Acq: 09 Jan 2025 11:55

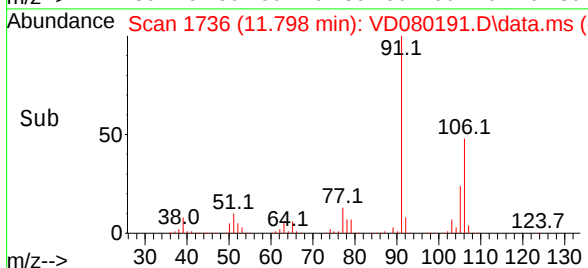
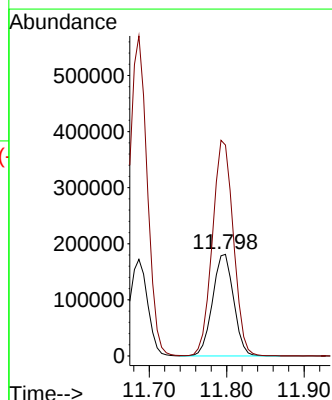
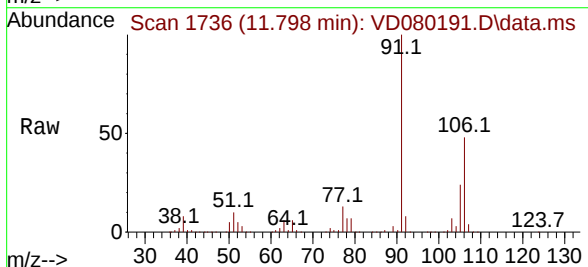
Instrument :
MSVOA_D
ClientSampleId :

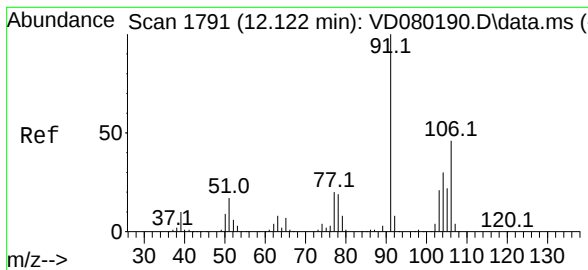
Tgt Ion: 91 Resp: 922859
Ion Ratio Lower Upper
91 100
106 30.2 21.8 40.6



#53
m,p-Xylene
Concen: 52.220 ug/L
RT: 11.798 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VD080191.D
Acq: 09 Jan 2025 11:55

Tgt Ion: 106 Resp: 343104
Ion Ratio Lower Upper
106 100
91 207.4 144.1 267.7

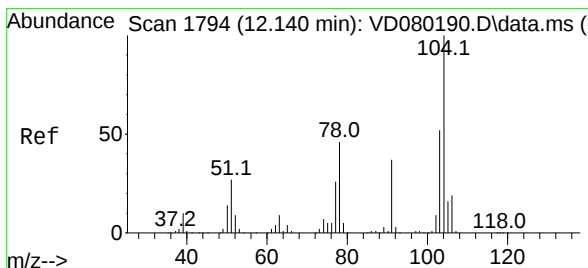
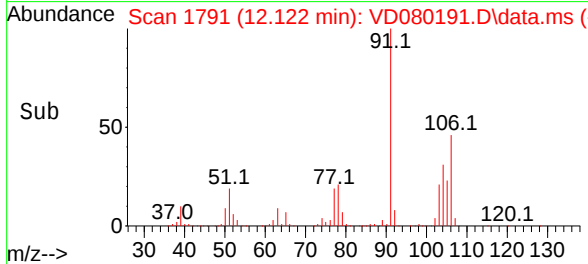
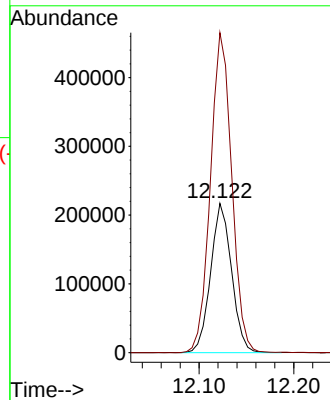
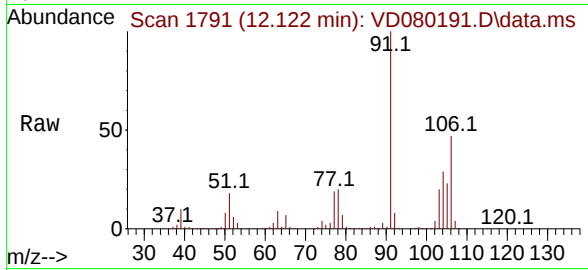




#54
o-Xylene
Concen: 54.261 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD080191.D
Acq: 09 Jan 2025 11:55

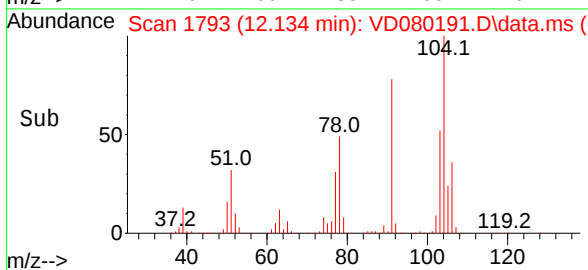
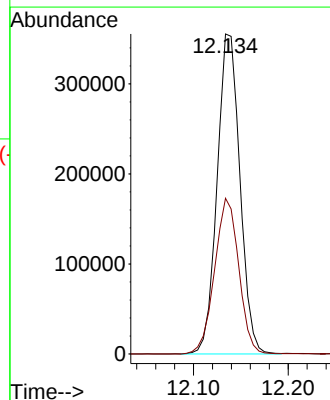
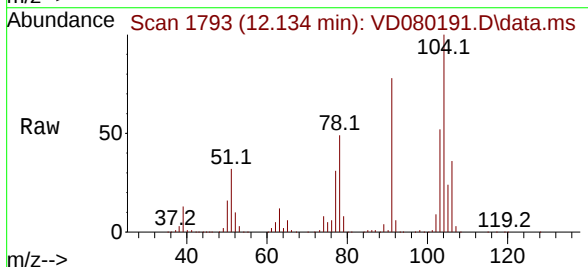
Instrument :
MSVOA_D
ClientSampleId :

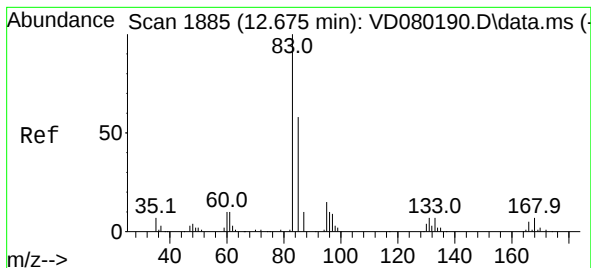
Tgt Ion:106 Resp: 333512
Ion Ratio Lower Upper
106 100
91 214.3 153.8 285.6



#55
Styrene
Concen: 53.501 ug/L
RT: 12.134 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VD080191.D
Acq: 09 Jan 2025 11:55

Tgt Ion:104 Resp: 595597
Ion Ratio Lower Upper
104 100
78 48.7 31.9 59.3

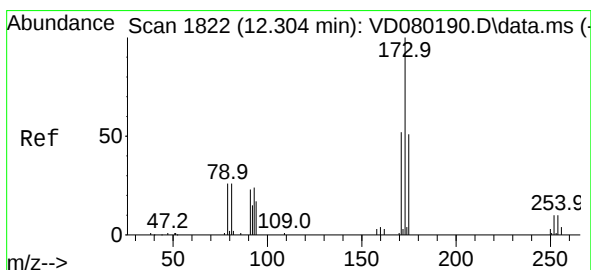
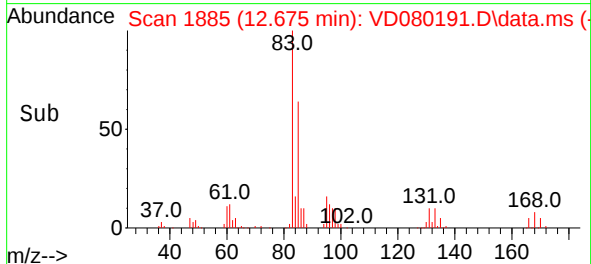
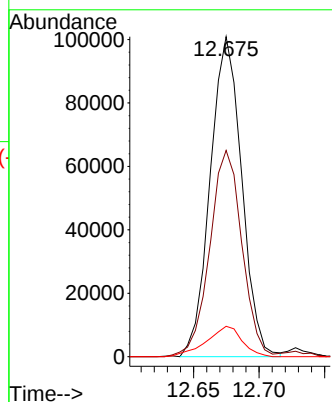
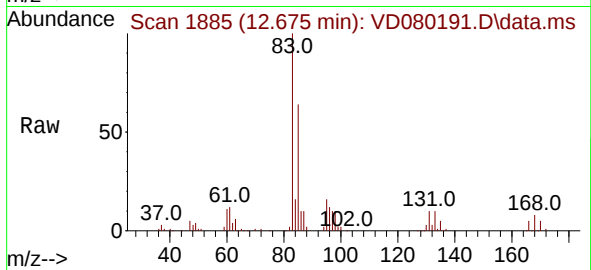




#57
1,1,2,2-Tetrachloroethane
Concen: 47.667 ug/L
RT: 12.675 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VD080191.D
Acq: 09 Jan 2025 11:55

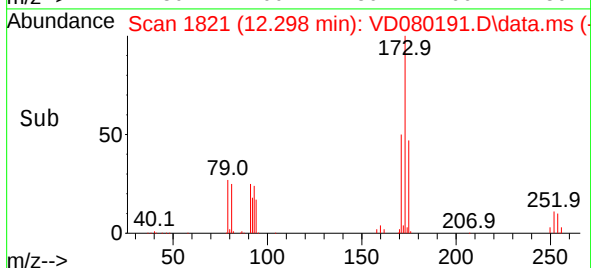
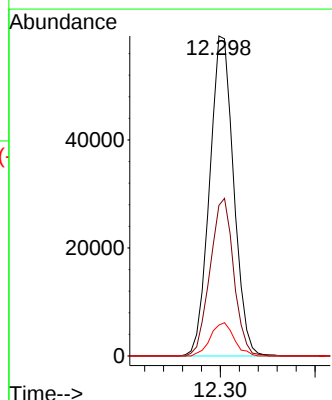
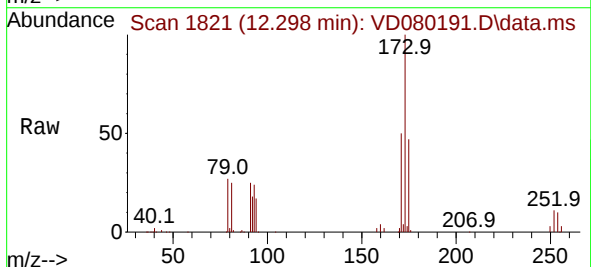
Instrument :
MSVOA_D
ClientSampleId :

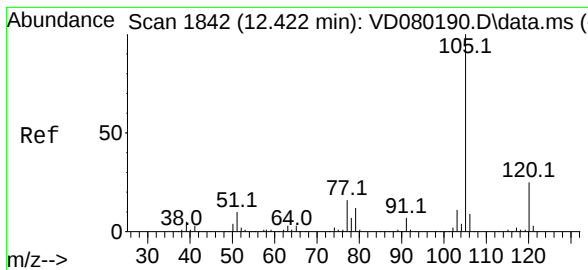
Tgt Ion: 83 Resp: 168565
Ion Ratio Lower Upper
83 100
85 64.4 40.7 75.5
131 9.5 6.2 9.2#



#59
Bromoform
Concen: 46.400 ug/L
RT: 12.298 min Scan# 1821
Delta R.T. -0.006 min
Lab File: VD080191.D
Acq: 09 Jan 2025 11:55

Tgt Ion:173 Resp: 104427
Ion Ratio Lower Upper
173 100
175 48.3 38.2 57.4
254 10.2 8.3 12.5

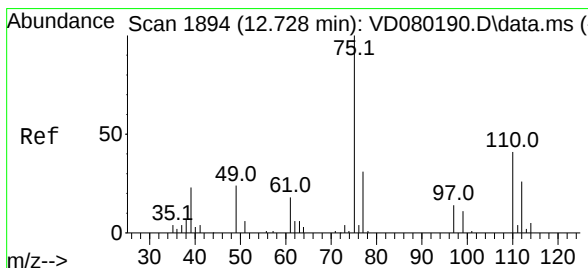
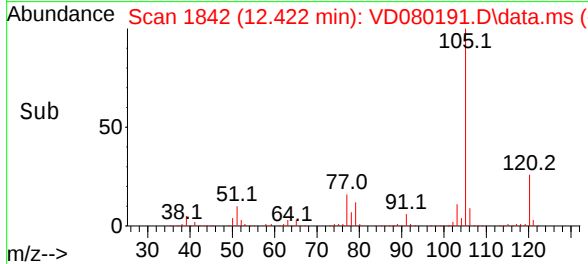
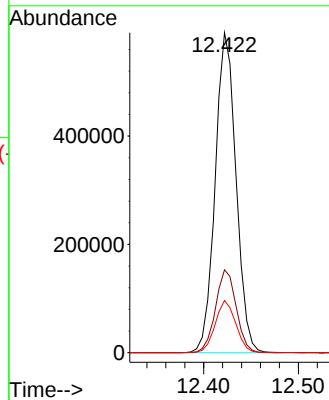
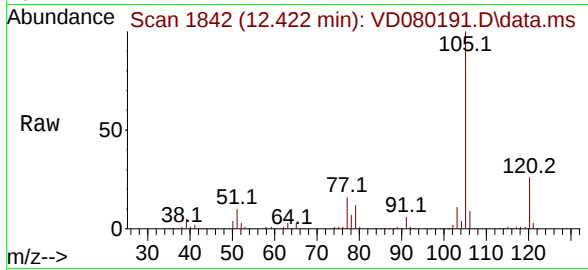




#60
Isopropylbenzene
Concen: 51.694 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD080191.D
Acq: 09 Jan 2025 11:55

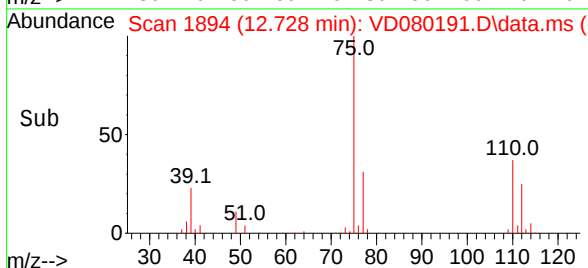
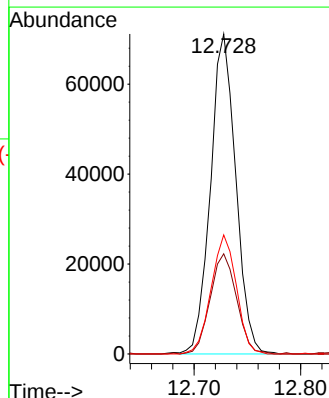
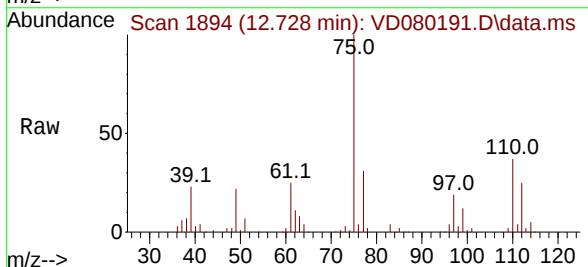
Instrument :
MSVOA_D
ClientSampleId :

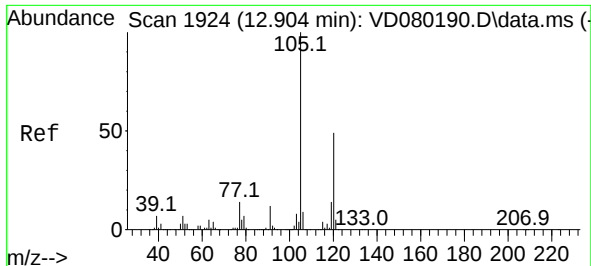
Tgt Ion:105 Resp: 904298
Ion Ratio Lower Upper
105 100
120 25.7 20.6 30.8
77 16.1 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 44.268 ug/L
RT: 12.728 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VD080191.D
Acq: 09 Jan 2025 11:55

Tgt Ion: 75 Resp: 117416
Ion Ratio Lower Upper
75 100
77 32.6 25.7 38.5
110 37.1 31.5 47.3





#62

1,3,5-Trimethylbenzene

Concen: 52.377 ug/L

RT: 12.904 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VD080191.D

Acq: 09 Jan 2025 11:55

Instrument :

MSVOA_D

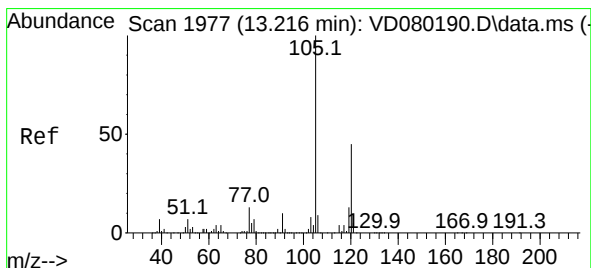
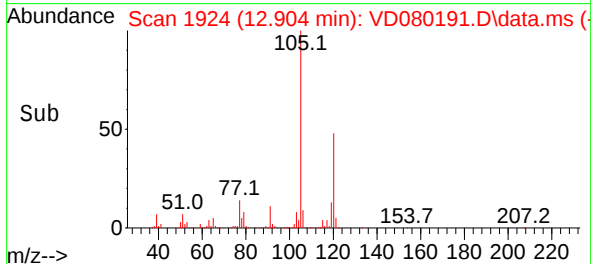
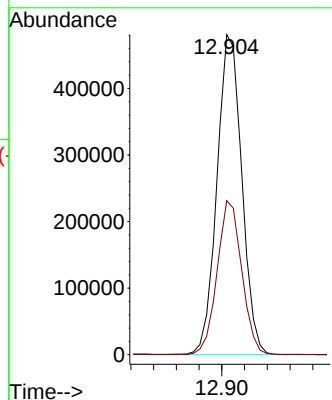
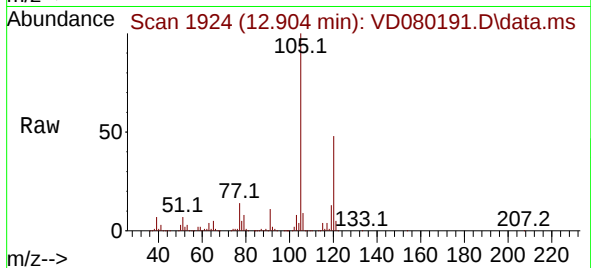
ClientSampleId :

Tgt Ion:105 Resp: 730176

Ion Ratio Lower Upper

105 100

120 47.7 38.9 58.3



#63

1,2,4-Trimethylbenzene

Concen: 53.362 ug/L

RT: 13.216 min Scan# 1977

Delta R.T. 0.000 min

Lab File: VD080191.D

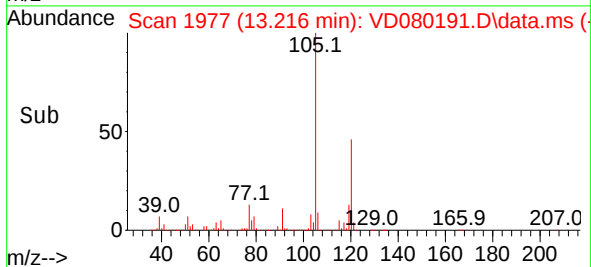
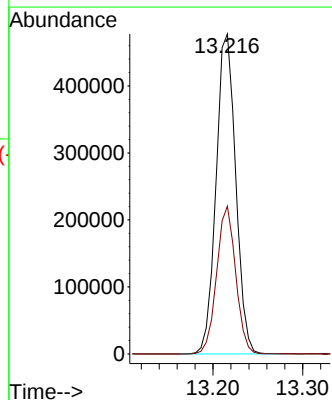
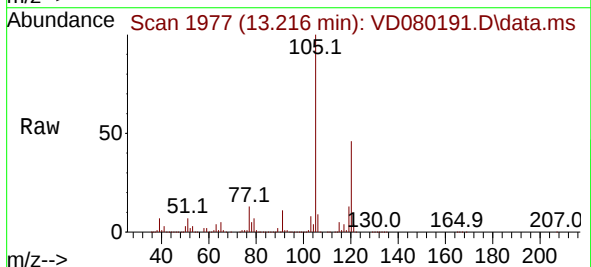
Acq: 09 Jan 2025 11:55

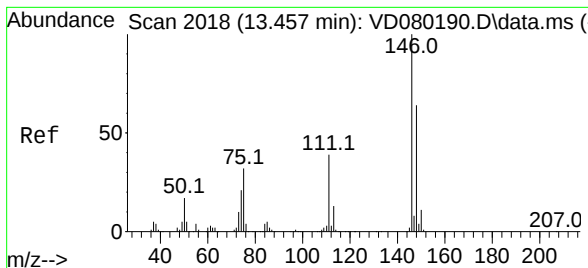
Tgt Ion:105 Resp: 725688

Ion Ratio Lower Upper

105 100

120 44.7 36.1 54.1





#64

1,3-Dichlorobenzene

Concen: 47.527 ug/L

RT: 13.463 min Scan# 2018

Delta R.T. 0.006 min

Lab File: VD080191.D

Acq: 09 Jan 2025 11:55

Instrument :

MSVOA_D

ClientSampleId :

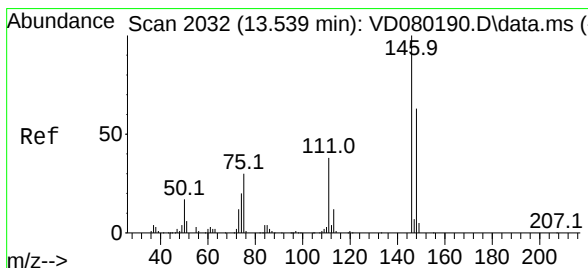
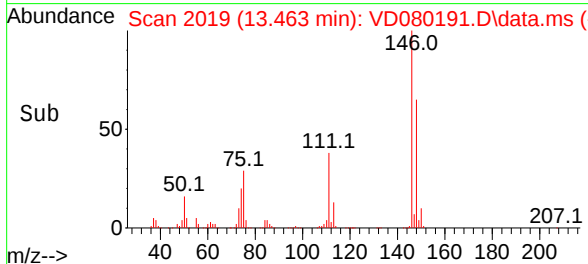
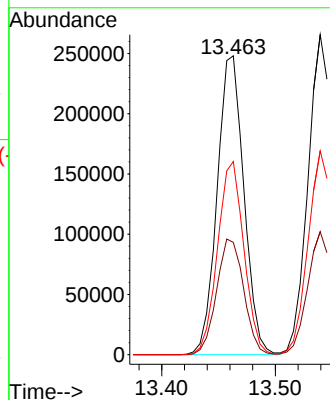
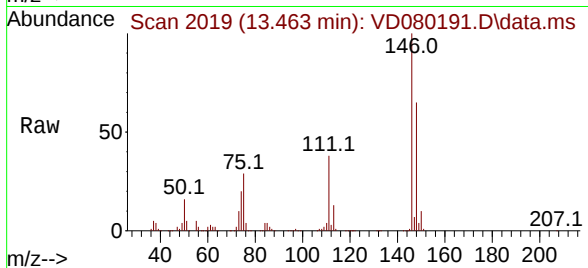
Tgt Ion:146 Resp: 406692

Ion Ratio Lower Upper

146 100

111 37.6 27.2 50.6

148 64.6 44.8 83.2



#65

1,4-Dichlorobenzene

Concen: 46.762 ug/L

RT: 13.540 min Scan# 2032

Delta R.T. 0.000 min

Lab File: VD080191.D

Acq: 09 Jan 2025 11:55

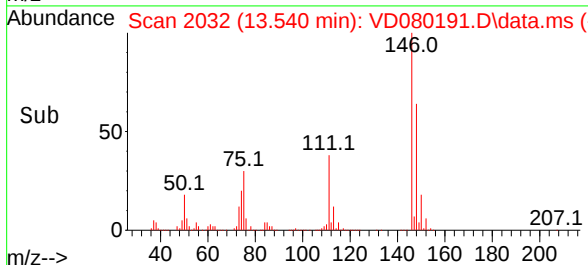
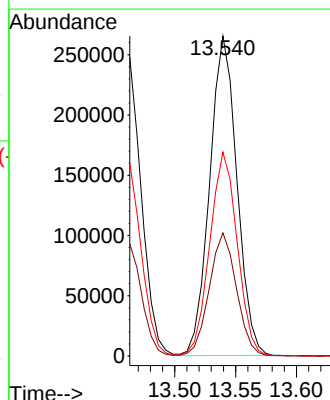
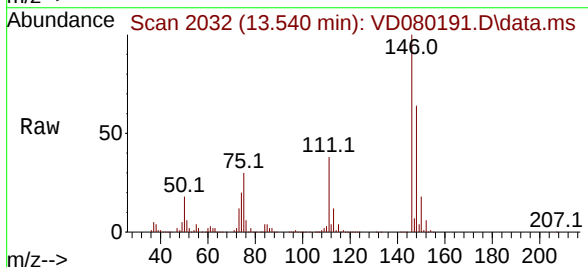
Tgt Ion:146 Resp: 413173

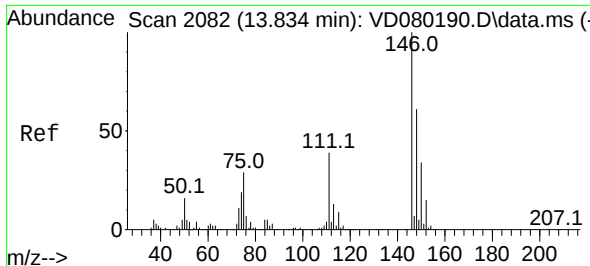
Ion Ratio Lower Upper

146 100

111 38.4 26.7 49.7

148 63.7 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 47.851 ug/L

RT: 13.834 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VD080191.D

Acq: 09 Jan 2025 11:55

Instrument :

MSVOA_D

ClientSampleId :

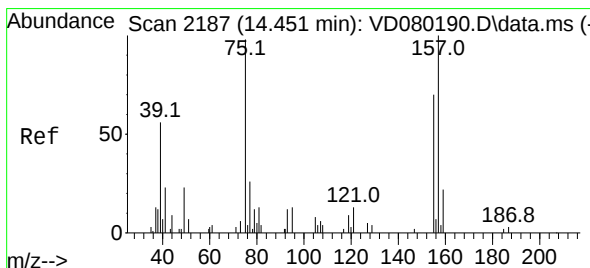
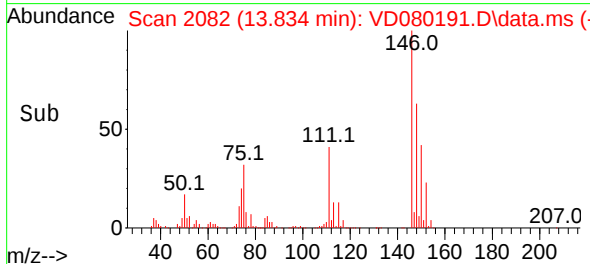
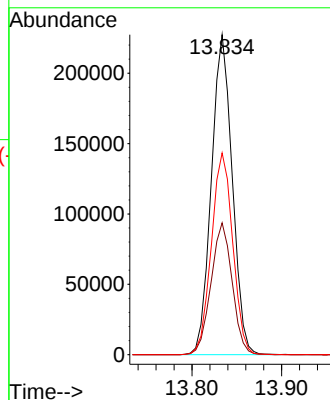
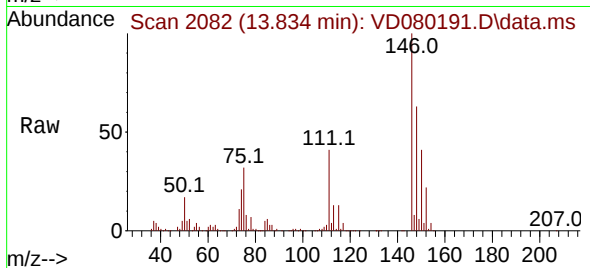
Tgt Ion:146 Resp: 366771

Ion Ratio Lower Upper

146 100

111 41.2 31.4 47.0

148 63.1 48.8 73.2



#68

1,2-Dibromo-3-chloropropane

Concen: 42.716 ug/L

RT: 14.451 min Scan# 2187

Delta R.T. 0.000 min

Lab File: VD080191.D

Acq: 09 Jan 2025 11:55

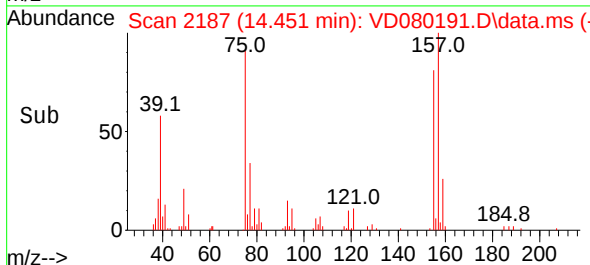
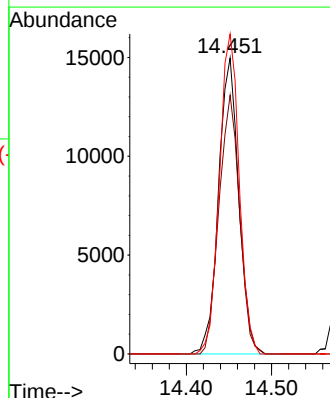
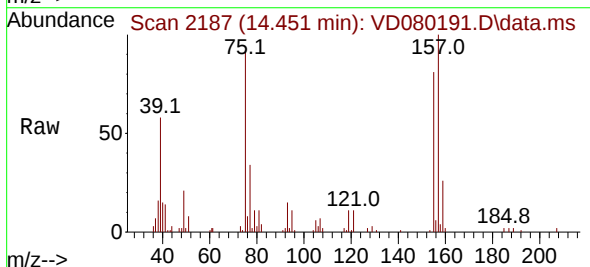
Tgt Ion: 75 Resp: 24749

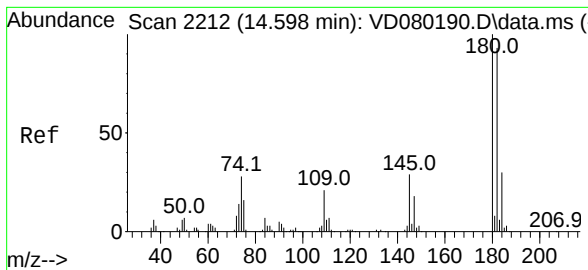
Ion Ratio Lower Upper

75 100

155 87.4 57.3 85.9#

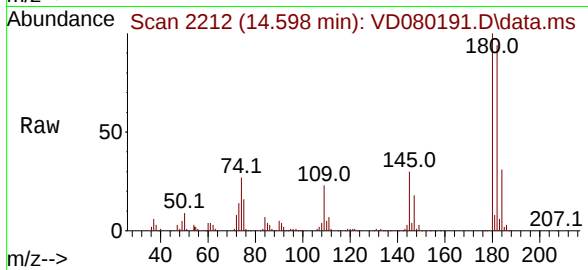
157 108.1 82.0 123.0



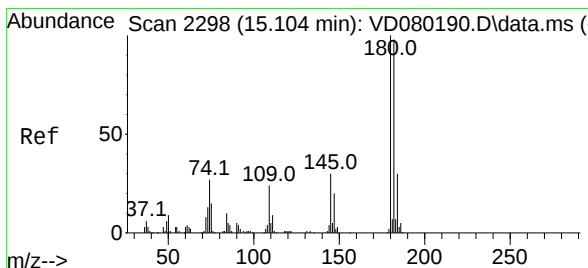
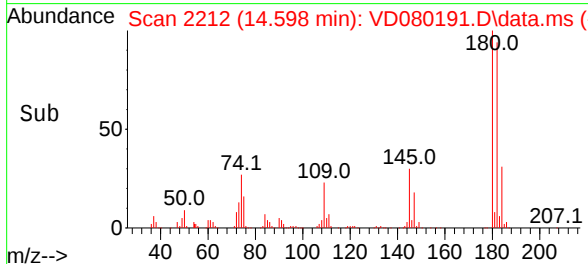
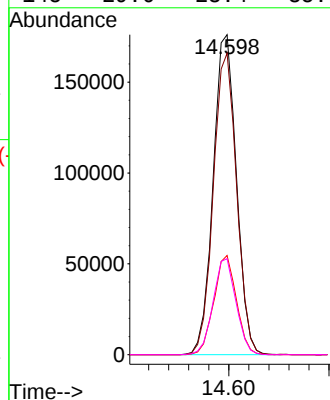


#69
 1,3,5-Trichlorobenzene
 Concen: 48.786 ug/L
 RT: 14.598 min Scan# 2212
 Delta R.T. 0.000 min
 Lab File: VD080191.D
 Acq: 09 Jan 2025 11:55

Instrument :
 MSVOA_D
 ClientSampleId :

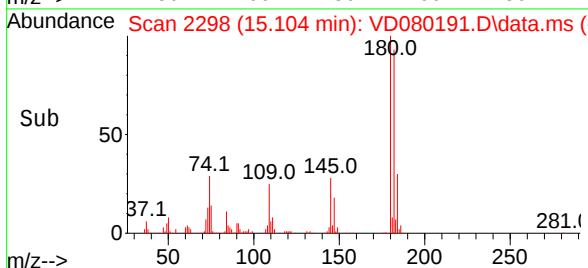
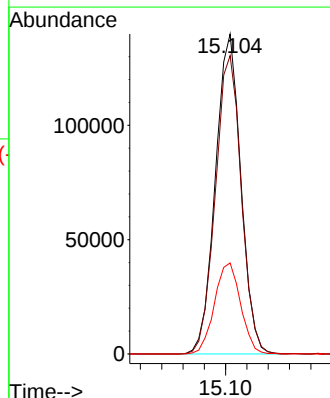
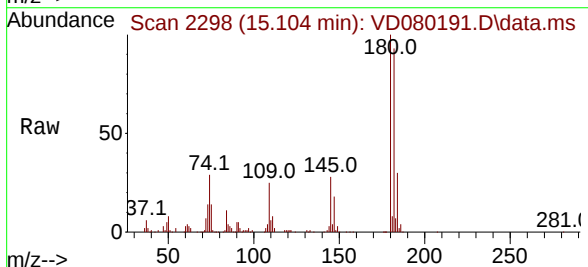


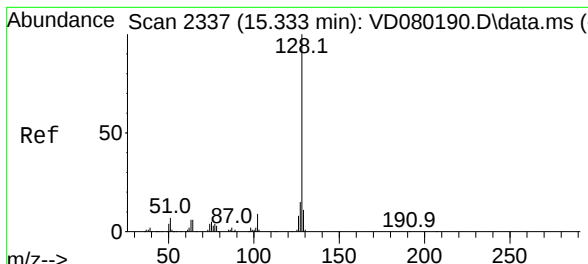
Tgt Ion:180 Resp: 283885
 Ion Ratio Lower Upper
 180 100
 182 94.1 75.4 113.0
 184 30.1 24.0 36.0
 145 29.6 23.4 35.0



#70
 1,2,4-trichlorobenzene
 Concen: 48.783 ug/L
 RT: 15.104 min Scan# 2298
 Delta R.T. 0.000 min
 Lab File: VD080191.D
 Acq: 09 Jan 2025 11:55

Tgt Ion:180 Resp: 231637
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.9 115.3
 145 29.2 23.5 35.3

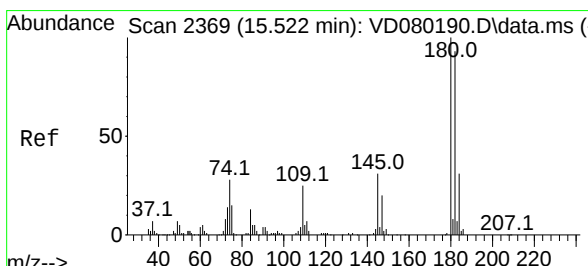
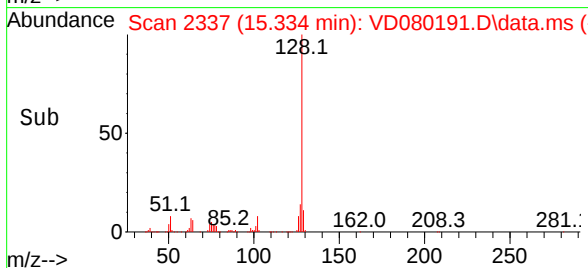
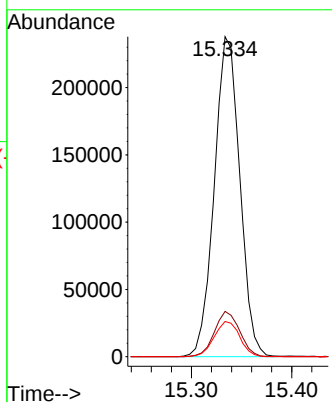
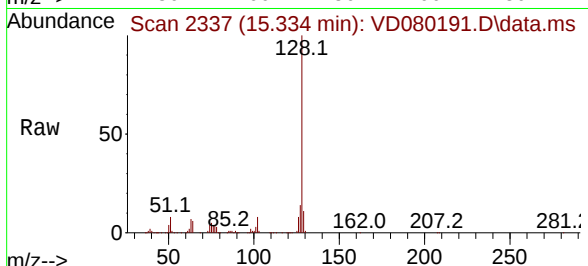




#71
 Naphthalene
 Concen: 50.246 ug/L
 RT: 15.334 min Scan# 2337
 Delta R.T. 0.000 min
 Lab File: VD080191.D
 Acq: 09 Jan 2025 11:55

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion:	128	Resp:	419784
Ion Ratio	Lower	Upper	
128	100		
127	14.0	11.5	17.3
129	11.0	9.0	13.6



#72
 1,2,3-Trichlorobenzene
 Concen: 48.477 ug/L
 RT: 15.522 min Scan# 2369
 Delta R.T. 0.000 min
 Lab File: VD080191.D
 Acq: 09 Jan 2025 11:55

Tgt Ion:	180	Resp:	213789
Ion Ratio	Lower	Upper	
180	100		
182	96.3	74.8	112.2
145	31.0	24.2	36.4

