

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121124\
 Data File : VD080124.D
 Acq On : 11 Dec 2024 10:25
 Operator : RP/MD
 Sample : VSTD025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 12 00:21:30 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	239808	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	194945	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	133550	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	85379	22.339	ug/L	0.00
7) Chloroethane-d5	2.799	69	77329	22.689	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.910	65	33689	22.923	ug/L	0.00
21) 2-Butanone-d5	6.993	46	34781	43.191	ug/L	0.00
24) Chloroform-d	7.569	84	161214	24.348	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.228	65	79227	22.611	ug/L	0.00
32) Benzene-d6	8.198	84	287721	24.838	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.210	67	104808	26.646	ug/L	0.00
41) Toluene-d8	10.269	98	306228	27.981	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.522	79	38657	24.004	ug/L	0.00
47) 2-Hexanone-d5	10.875	63	29357	49.351	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.645	84	82349	24.466	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.810	152	113070	23.450	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	111382	25.197	ug/L	100
3) Chloromethane	2.152	50	79074	22.761	ug/L	100
5) Vinyl chloride	2.281	62	110154	22.934	ug/L	100
6) Bromomethane	2.687	94	70235	21.941	ug/L	100
8) Chloroethane	2.834	64	71019	22.180	ug/L	100
9) Trichlorofluoromethane	3.169	101	163648	23.347	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.957	101	92389	22.240	ug/L	100
12) 1,1-Dichloroethene	3.934	96	79272	21.861	ug/L	100
13) Acetone	4.028	43	57050	39.386	ug/L	99
14) Carbon disulfide	4.269	76	253867	21.579	ug/L	100
15) Methyl Acetate	4.569	43	33899	19.519	ug/L	100
16) Methylene chloride	4.804	84	81884	19.877	ug/L	100
17) trans-1,2-Dichloroethene	5.310	96	76863	20.886	ug/L	100
18) Methyl tert-butyl Ether	5.322	73	155597	19.698	ug/L	# 100
19) 1,1-Dichloroethane	6.110	63	151212	21.596	ug/L	100
20) cis-1,2-Dichloroethene	7.081	96	85391	21.643	ug/L	100
22) 2-Butanone	7.081	43	56752	39.408	ug/L	100
23) Bromochloromethane	7.422	128	43875	22.815	ug/L	100
25) Chloroform	7.598	83	174954	22.099	ug/L	100
27) 1,2-Dichloroethane	8.328	62	97426	21.519	ug/L	100
29) Cyclohexane	7.881	56	117486	25.320	ug/L	100
30) 1,1,1-Trichloroethane	7.793	97	134861	23.888	ug/L	100
31) Carbon tetrachloride	7.993	117	110725	23.663	ug/L	100
33) Benzene	8.251	78	324445	23.043	ug/L	100
34) Trichloroethene	9.028	95	91336	23.868	ug/L	100
35) Methylcyclohexane	9.275	83	141075	24.956	ug/L	100
37) 1,2-Dichloropropane	9.304	63	95476	23.666	ug/L	100
38) Bromodichloromethane	9.581	83	119222	23.439	ug/L	100
39) cis-1,3-Dichloropropene	10.016	75	144693	25.132	ug/L	100
40) 4-Methyl-2-pentanone	10.157	43	106773	47.867	ug/L	100
42) Toluene	10.334	91	402090	26.323	ug/L	100
44) trans-1,3-Dichloropropene	10.551	75	110889	23.381	ug/L	100

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

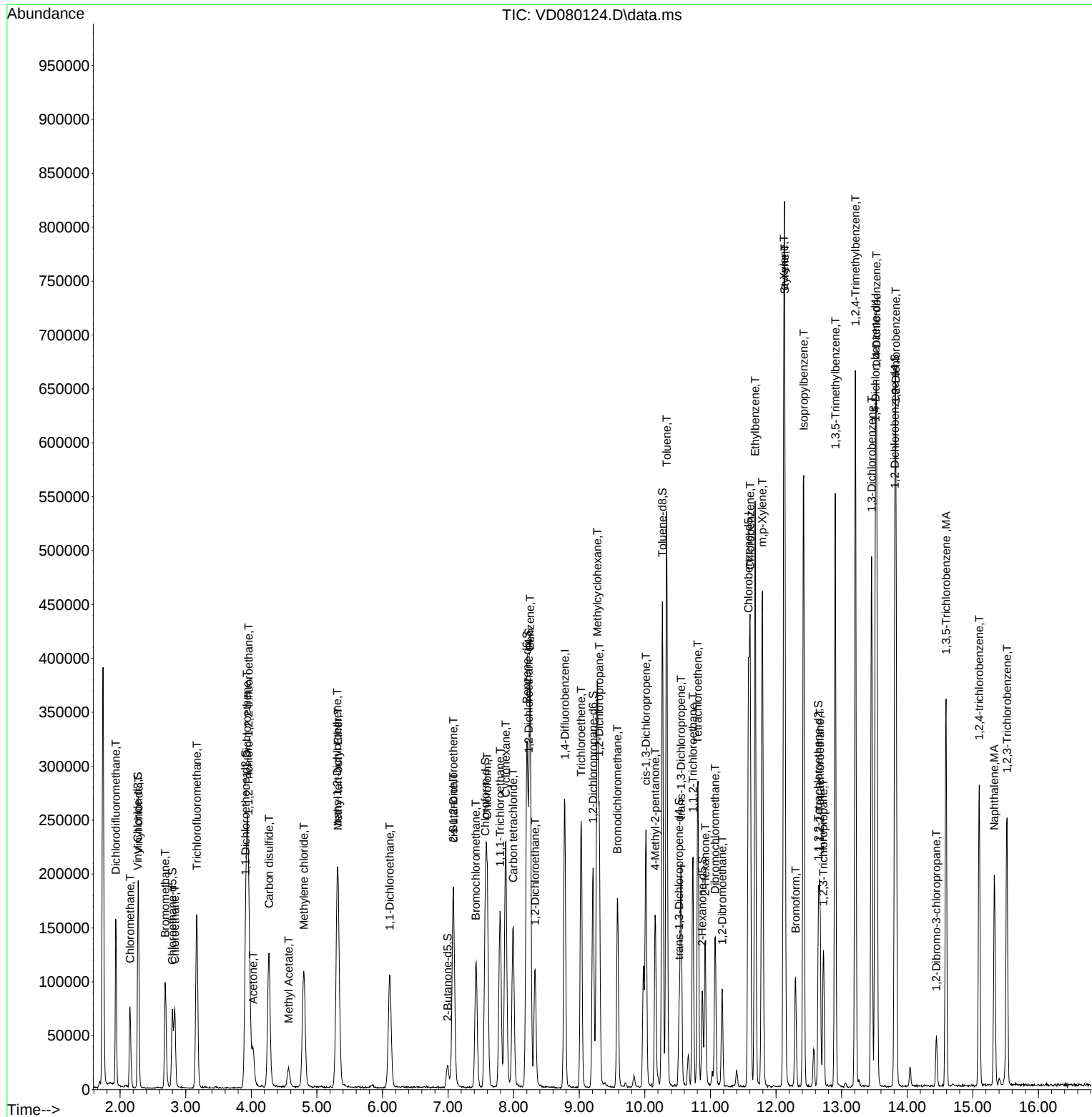
45) 1,1,2-Trichloroethane	10.734	97	66349	22.868	ug/L	100
46) Tetrachloroethene	10.804	164	64154	24.206	ug/L	100
48) 2-Hexanone	10.922	43	85579	48.099	ug/L	100
49) Dibromochloromethane	11.069	129	73183	23.236	ug/L	100
50) 1,2-Dibromoethane	11.181	107	57926	22.516	ug/L	100
51) Chlorobenzene	11.604	112	215187	23.536	ug/L	100
52) Ethylbenzene	11.681	91	375296	24.741	ug/L	100
53) m,p-Xylene	11.792	106	143155	24.684	ug/L	100
54) o-Xylene	12.122	106	132290	23.776	ug/L	100
55) Styrene	12.133	104	251161	24.939	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.669	83	79273	21.445	ug/L	100
59) Bromoform	12.298	173	45009	17.521	ug/L	100
60) Isopropylbenzene	12.422	105	364806	19.191	ug/L	100
61) 1,2,3-Trichloropropane	12.722	75	53928	16.373	ug/L	100
62) 1,3,5-Trimethylbenzene	12.904	105	285037	17.986	ug/L	100
63) 1,2,4-Trimethylbenzene	13.210	105	344966	22.878	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	210872	22.806	ug/L	100
65) 1,4-Dichlorobenzene	13.533	146	223260	22.398	ug/L	100
67) 1,2-Dichlorobenzene	13.828	146	190161	21.298	ug/L	100
68) 1,2-Dibromo-3-chloropr...	14.445	75	11020	16.592	ug/L	100
69) 1,3,5-Trichlorobenzene	14.592	180	114224	17.883	ug/L	100
70) 1,2,4-trichlorobenzene	15.098	180	91351	17.892	ug/L	100
71) Naphthalene	15.327	128	167630	17.281	ug/L	100
72) 1,2,3-Trichlorobenzene	15.522	180	83991	16.345	ug/L	100

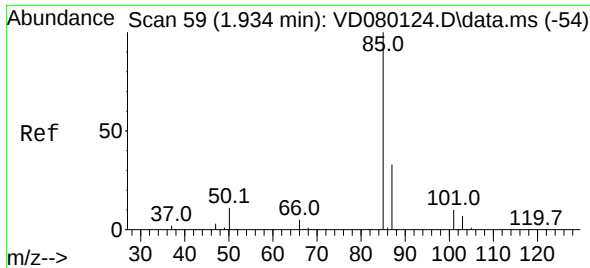
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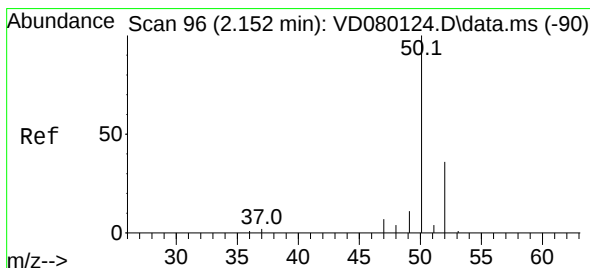
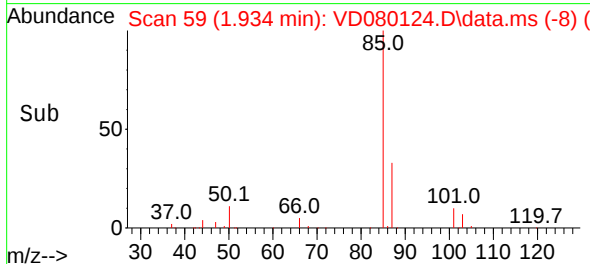
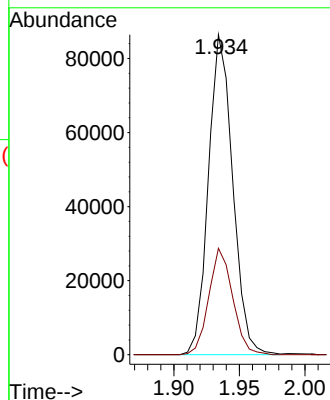
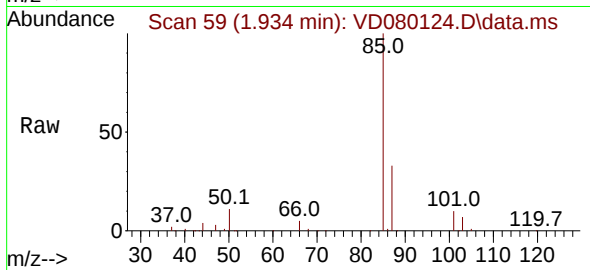




#2
 Dichlorodifluoromethane
 Concen: 25.197 ug/L
 RT: 1.934 min Scan# 59
 Delta R.T. 0.000 min
 Lab File: VD080124.D
 Acq: 11 Dec 2024 10:25

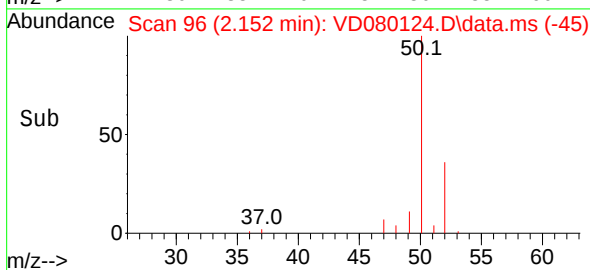
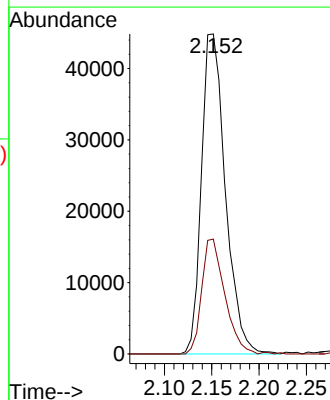
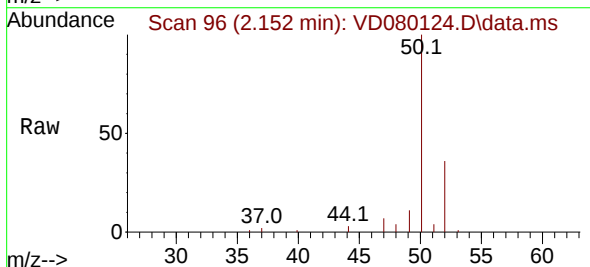
Instrument :
 MSVOA_D
 ClientSampleId :

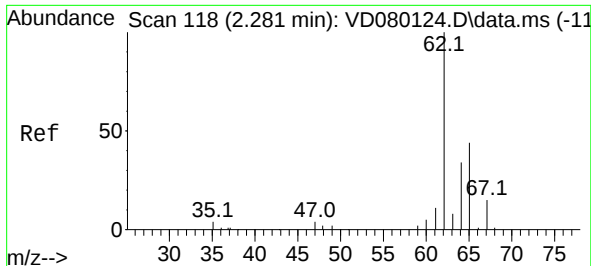
Tgt Ion: 85 Resp: 111382
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.2 39.2



#3
 Chloromethane
 Concen: 22.761 ug/L
 RT: 2.152 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VD080124.D
 Acq: 11 Dec 2024 10:25

Tgt Ion: 50 Resp: 79074
 Ion Ratio Lower Upper
 50 100
 52 35.9 25.1 46.7

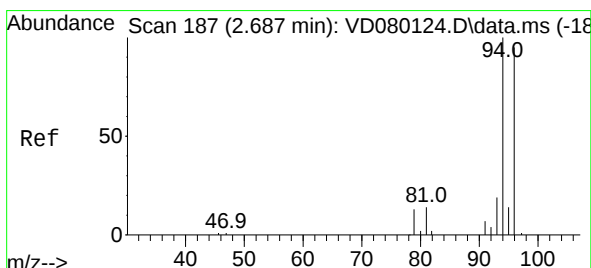
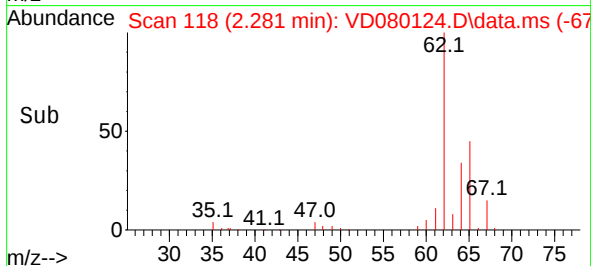
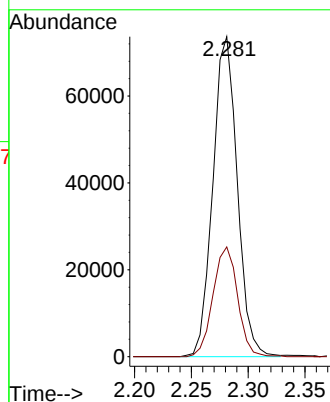
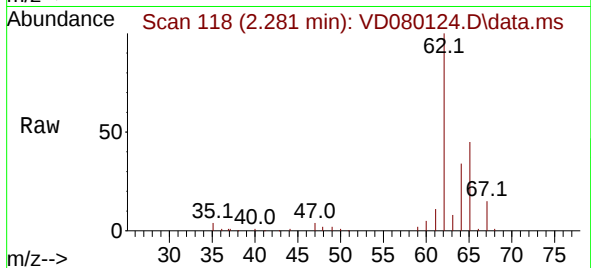




#5
 Vinyl chloride
 Concen: 22.934 ug/L
 RT: 2.281 min Scan# 118
 Delta R.T. 0.000 min
 Lab File: VD080124.D
 Acq: 11 Dec 2024 10:25

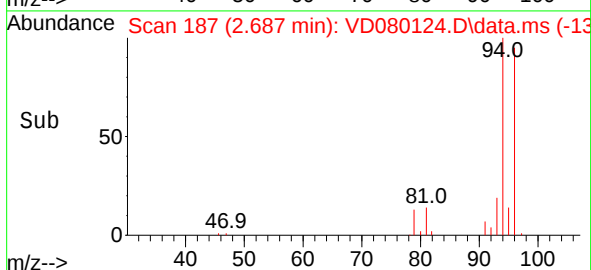
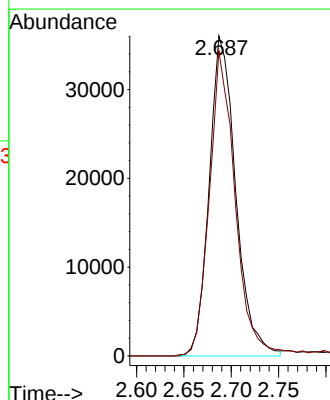
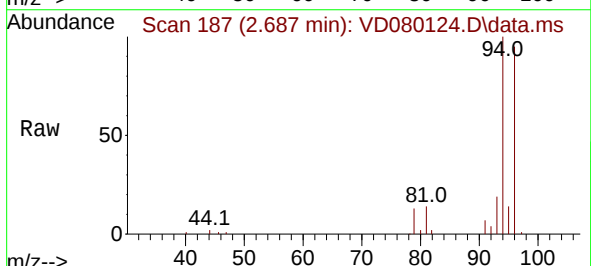
Instrument :
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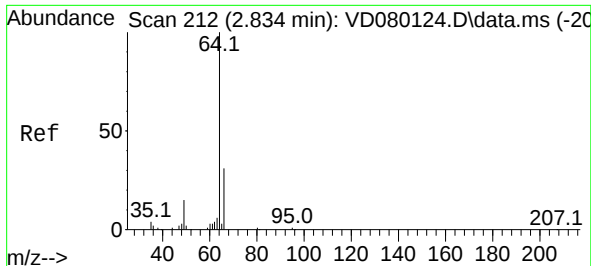
Tgt Ion: 62 Resp: 110154
 Ion Ratio Lower Upper
 62 100
 64 34.3 24.0 44.6



#6
 Bromomethane
 Concen: 21.941 ug/L
 RT: 2.687 min Scan# 187
 Delta R.T. 0.000 min
 Lab File: VD080124.D
 Acq: 11 Dec 2024 10:25

Tgt Ion: 94 Resp: 70235
 Ion Ratio Lower Upper
 94 100
 96 95.4 66.8 124.0

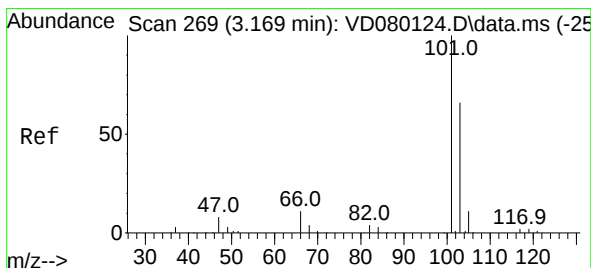
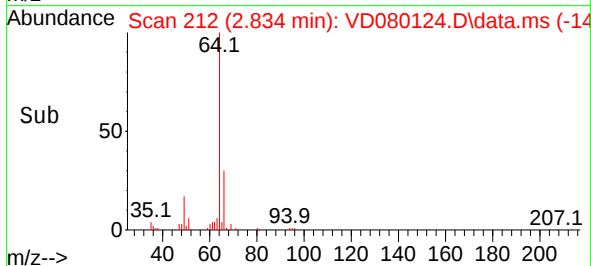
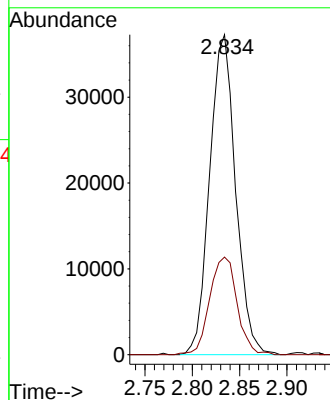
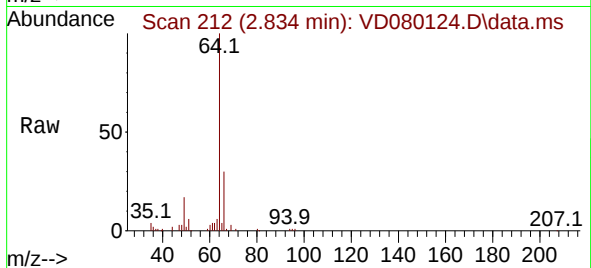




#8
Chloroethane
Concen: 22.180 ug/L
RT: 2.834 min Scan# 212
Delta R.T. 0.000 min
Lab File: VD080124.D
Acq: 11 Dec 2024 10:25

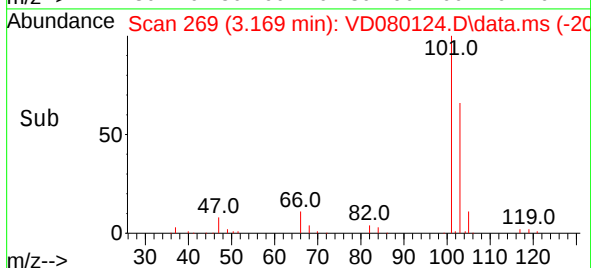
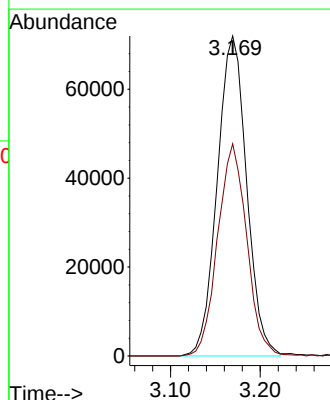
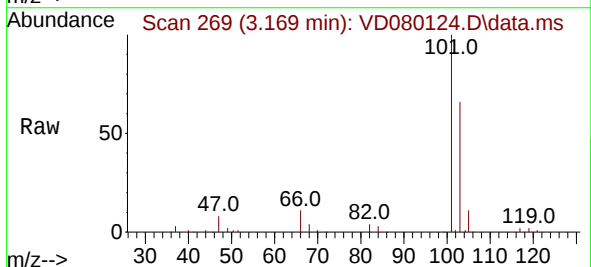
Instrument :
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ClientSampleId :

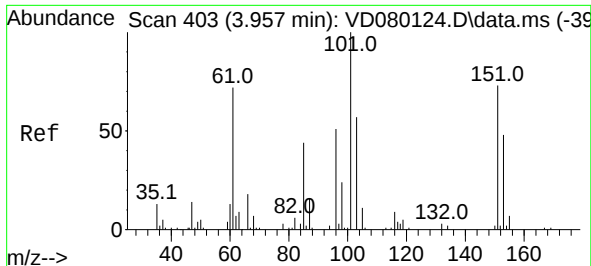
Tgt Ion: 64 Resp: 71019
Ion Ratio Lower Upper
64 100
66 30.5 21.3 39.6



#9
Trichlorofluoromethane
Concen: 23.347 ug/L
RT: 3.169 min Scan# 269
Delta R.T. 0.000 min
Lab File: VD080124.D
Acq: 11 Dec 2024 10:25

Tgt Ion:101 Resp: 163648
Ion Ratio Lower Upper
101 100
103 65.6 52.5 78.7

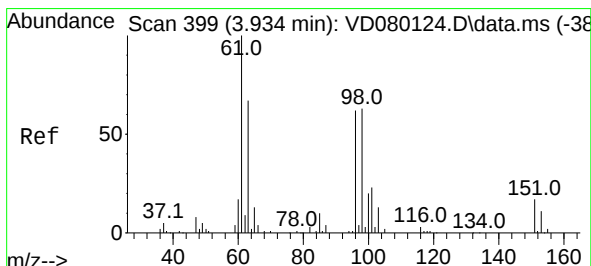
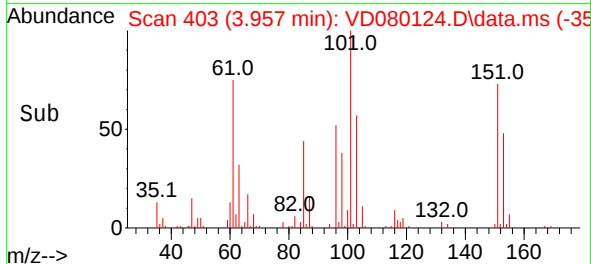
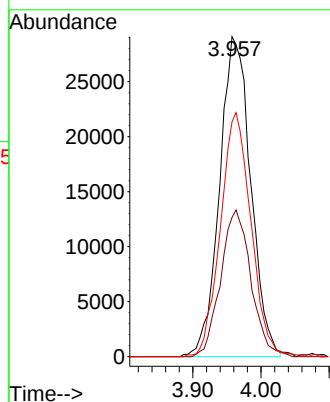
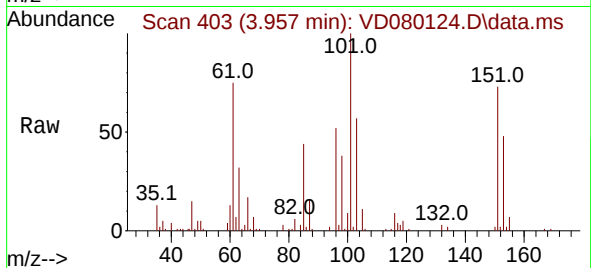




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 22.240 ug/L
RT: 3.957 min Scan# 403
Delta R.T. 0.000 min
Lab File: VD080124.D
Acq: 11 Dec 2024 10:25

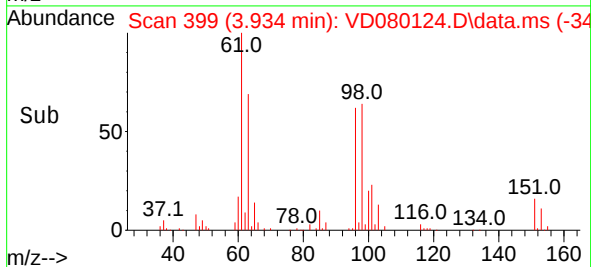
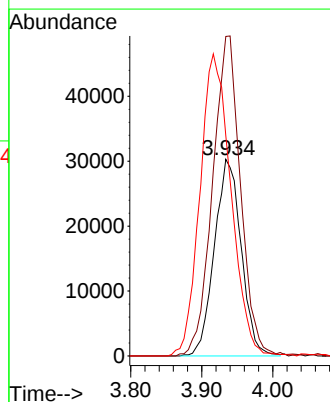
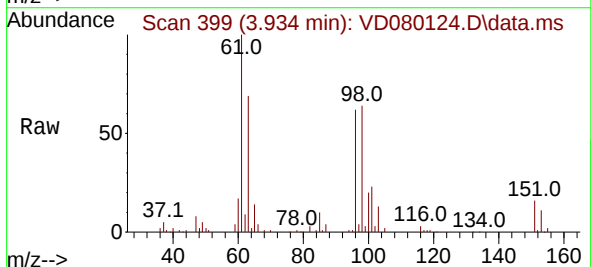
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ClientSampleId :

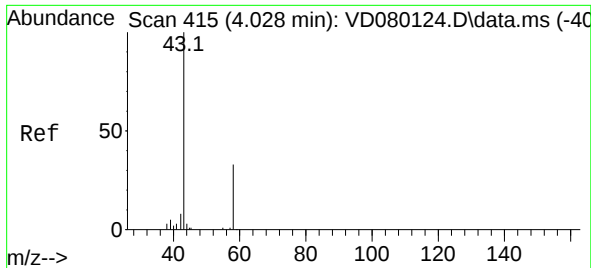
Tgt Ion:101 Resp: 92389
Ion Ratio Lower Upper
101 100
85 44.7 35.8 53.6
151 74.7 59.8 89.6



#12
1,1-Dichloroethene
Concen: 21.861 ug/L
RT: 3.934 min Scan# 399
Delta R.T. 0.000 min
Lab File: VD080124.D
Acq: 11 Dec 2024 10:25

Tgt Ion: 96 Resp: 79272
Ion Ratio Lower Upper
96 100
61 162.5 113.8 211.3
63 112.1 78.5 145.7





#13

Acetone

Concen: 39.386 ug/L

RT: 4.028 min Scan# 415

Delta R.T. 0.000 min

Lab File: VD080124.D

Acq: 11 Dec 2024 10:25

Instrument :

MSVOA_D

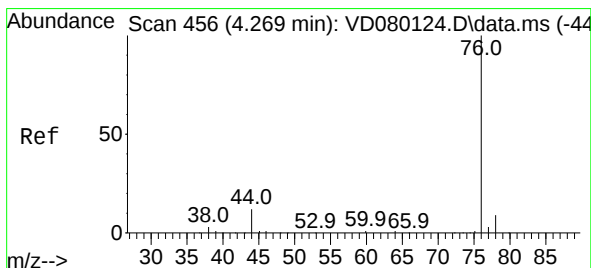
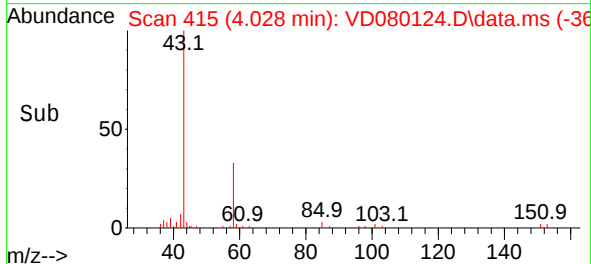
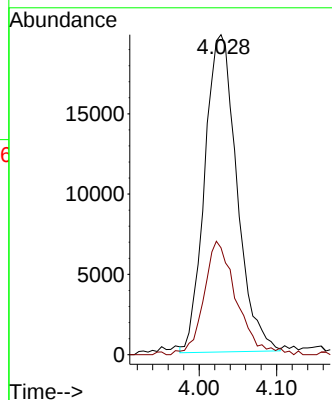
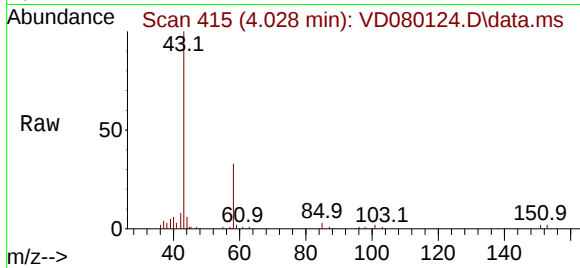
ClientSampleId :

Tgt Ion: 43 Resp: 57050

Ion Ratio Lower Upper

43 100

58 35.3 0.0 69.0



#14

Carbon disulfide

Concen: 21.579 ug/L

RT: 4.269 min Scan# 456

Delta R.T. 0.000 min

Lab File: VD080124.D

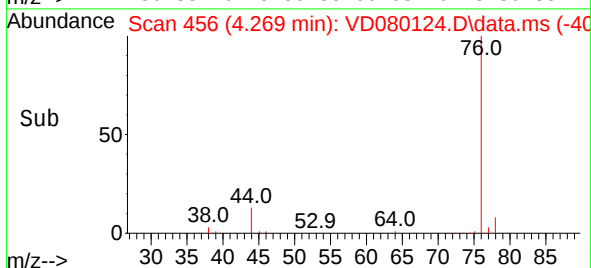
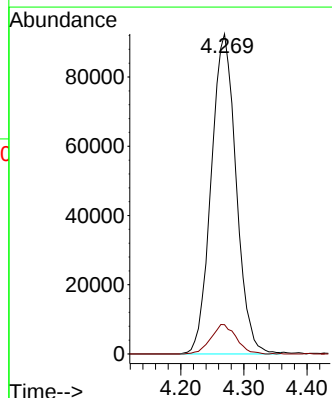
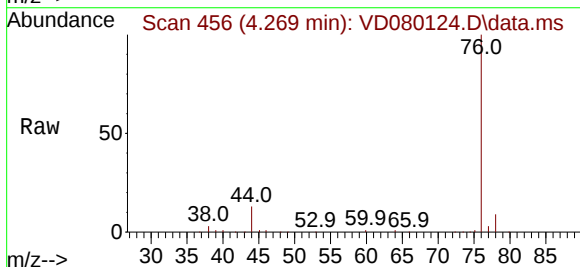
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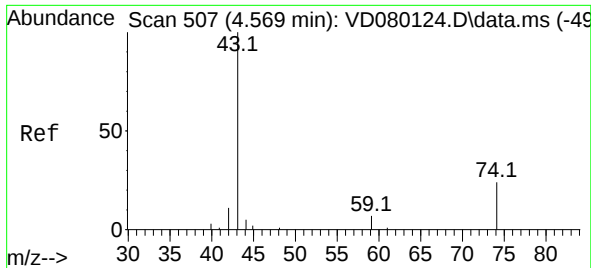
Tgt Ion: 76 Resp: 253867

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





#15

Methyl Acetate

Concen: 19.519 ug/L

RT: 4.569 min Scan# 507

Delta R.T. 0.000 min

Lab File: VD080124.D

Acq: 11 Dec 2024 10:25

Instrument :

MSVOA_D

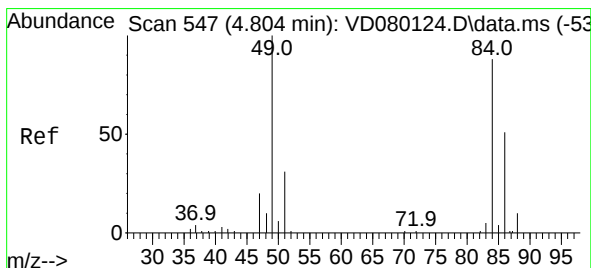
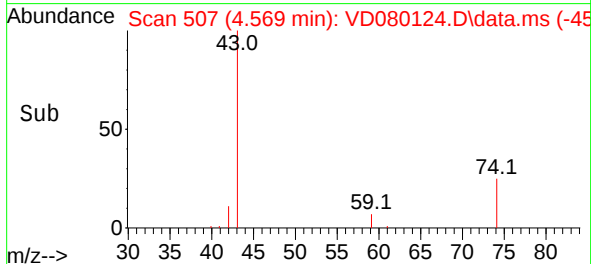
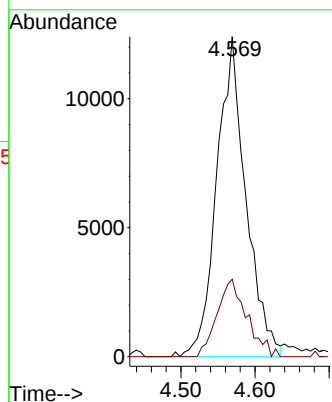
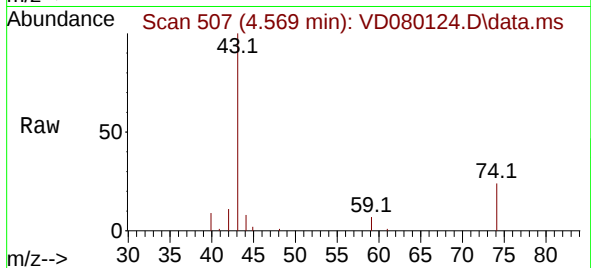
ClientSampleId :

Tgt Ion: 43 Resp: 33899

Ion Ratio Lower Upper

43 100

74 23.7 19.0 28.4



#16

Methylene chloride

Concen: 19.877 ug/L

RT: 4.804 min Scan# 547

Delta R.T. 0.000 min

Lab File: VD080124.D

Acq: 11 Dec 2024 10:25

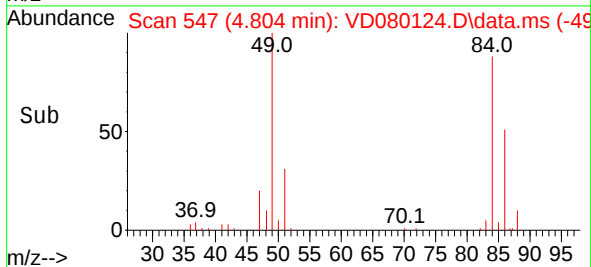
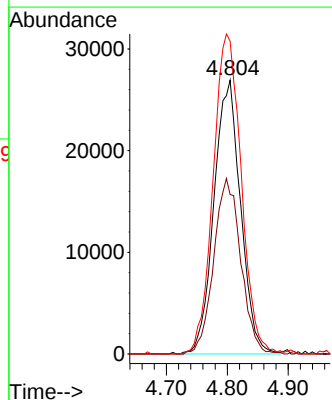
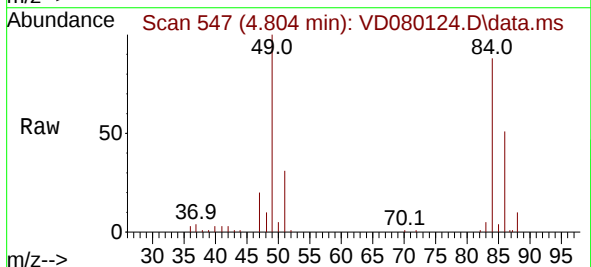
Tgt Ion: 84 Resp: 81884

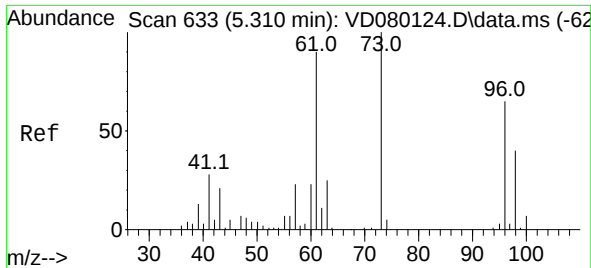
Ion Ratio Lower Upper

84 100

86 58.2 40.7 75.7

49 114.2 79.9 148.5





#17

trans-1,2-Dichloroethene

Concen: 20.886 ug/L

RT: 5.310 min Scan# 633

Delta R.T. 0.000 min

Lab File: VD080124.D

Acq: 11 Dec 2024 10:25

Instrument :

MSVOA_D

ClientSampleId :

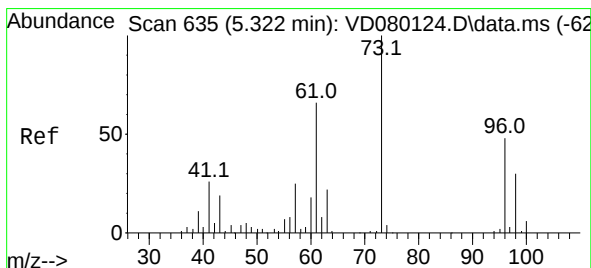
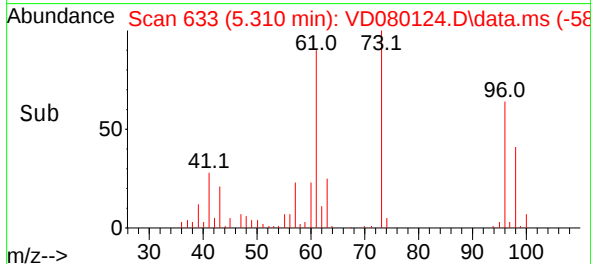
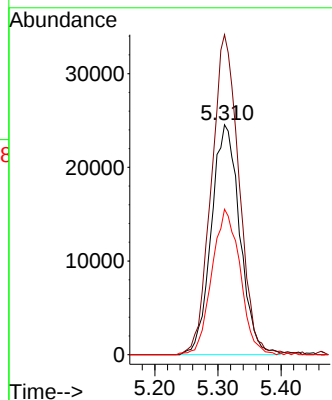
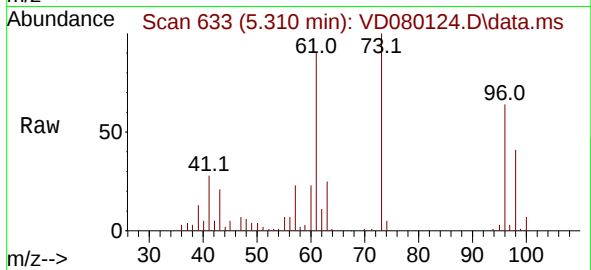
Tgt Ion: 96 Resp: 76863

Ion Ratio Lower Upper

96 100

61 139.2 97.4 181.0

98 63.3 44.3 82.3



#18

Methyl tert-butyl Ether

Concen: 19.698 ug/L

RT: 5.322 min Scan# 635

Delta R.T. 0.000 min

Lab File: VD080124.D

Acq: 11 Dec 2024 10:25

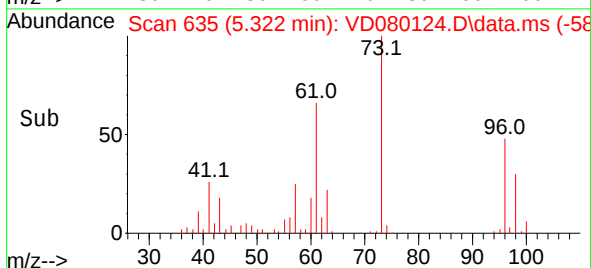
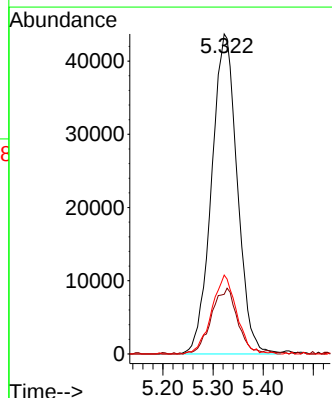
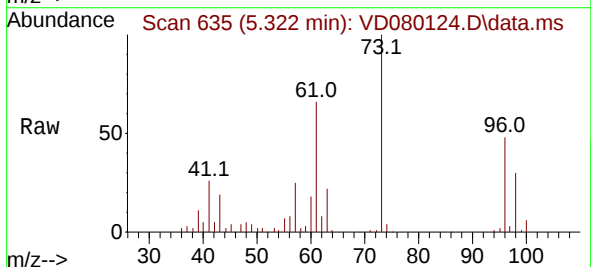
Tgt Ion: 73 Resp: 155597

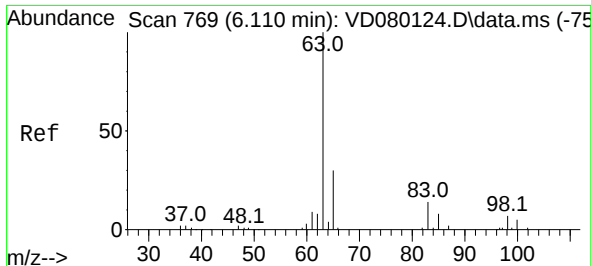
Ion Ratio Lower Upper

73 100

43 0.0 0.0 0.0#

57 23.6 18.9 28.3





#19

1,1-Dichloroethane

Concen: 21.596 ug/L

RT: 6.110 min Scan# 769

Delta R.T. 0.000 min

Lab File: VD080124.D

Acq: 11 Dec 2024 10:25

Instrument :

MSVOA_D

ClientSampleId :

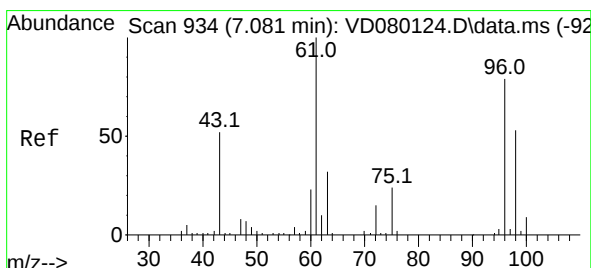
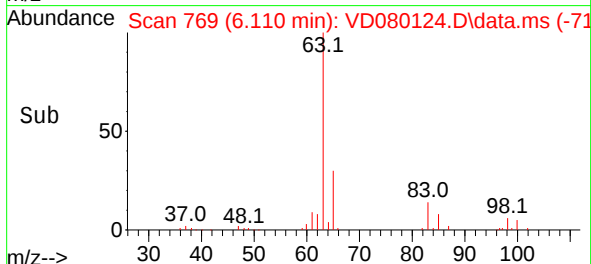
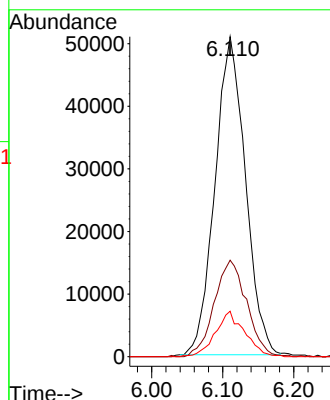
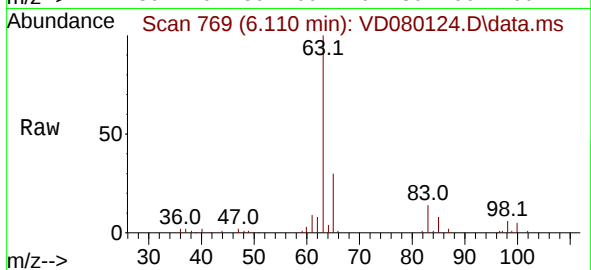
Tgt Ion: 63 Resp: 151212

Ion Ratio Lower Upper

63 100

65 30.1 21.1 39.1

83 14.2 9.9 18.5



#20

cis-1,2-Dichloroethene

Concen: 21.643 ug/L

RT: 7.081 min Scan# 934

Delta R.T. 0.000 min

Lab File: VD080124.D

Acq: 11 Dec 2024 10:25

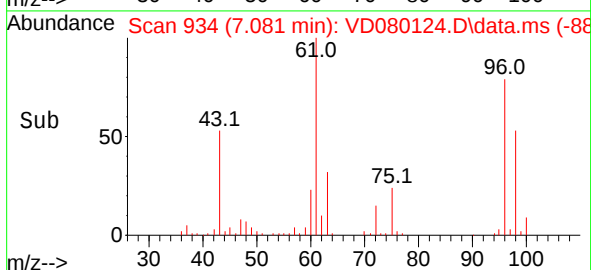
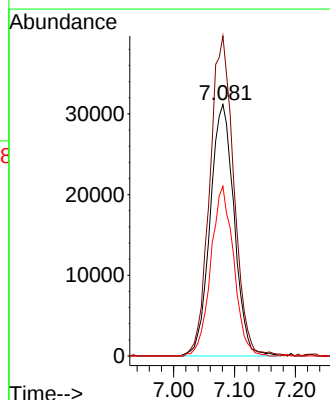
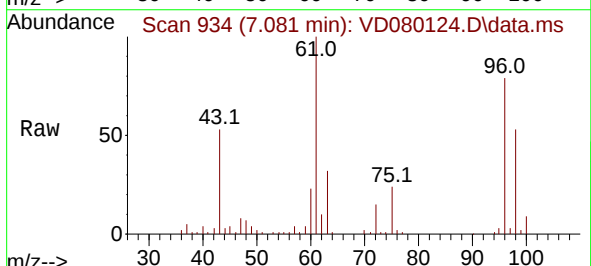
Tgt Ion: 96 Resp: 85391

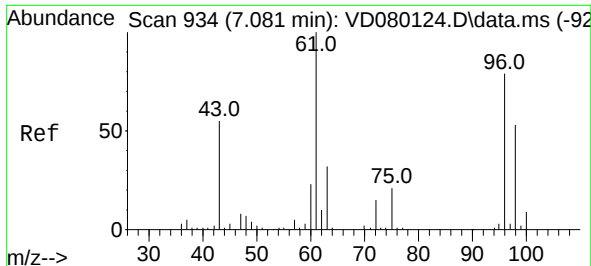
Ion Ratio Lower Upper

96 100

61 127.3 89.1 165.5

98 67.5 47.3 87.8

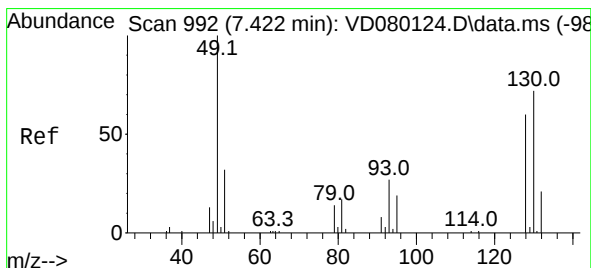
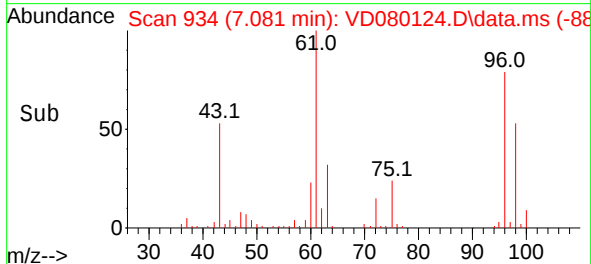
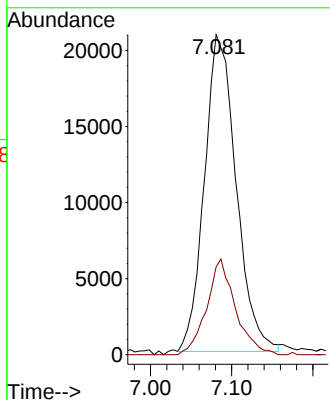
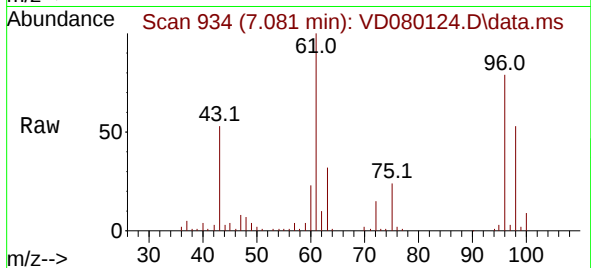




#22
2-Butanone
Concen: 39.408 ug/L
RT: 7.081 min Scan# 934
Delta R.T. 0.000 min
Lab File: VD080124.D
Acq: 11 Dec 2024 10:25

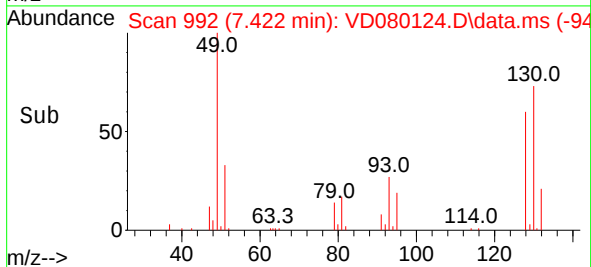
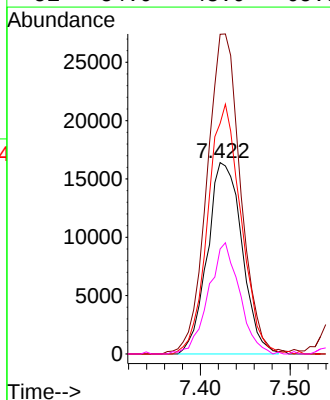
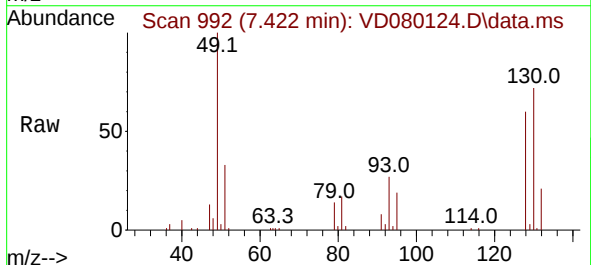
Instrument :
MSVOA_D
ClientSampleId :

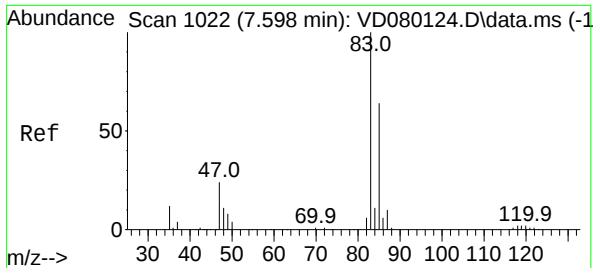
Tgt Ion: 43 Resp: 56752
Ion Ratio Lower Upper
43 100
72 27.2 13.6 40.8



#23
Bromochloromethane
Concen: 22.815 ug/L
RT: 7.422 min Scan# 992
Delta R.T. 0.000 min
Lab File: VD080124.D
Acq: 11 Dec 2024 10:25

Tgt Ion:128 Resp: 43875
Ion Ratio Lower Upper
128 100
49 167.1 117.0 217.2
130 120.5 84.4 156.7
51 54.9 43.9 65.9

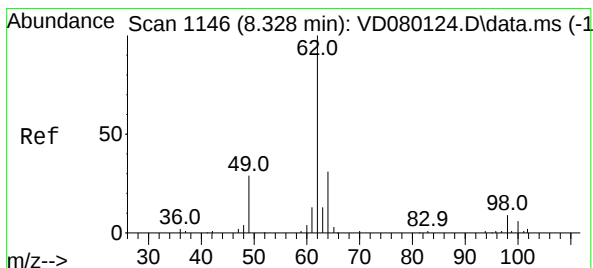
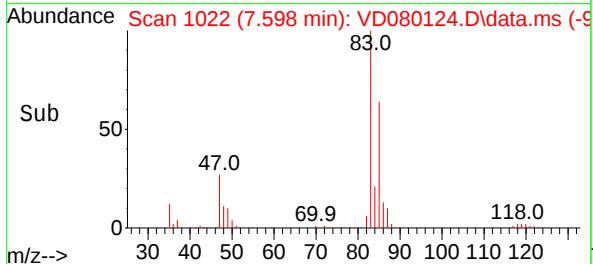
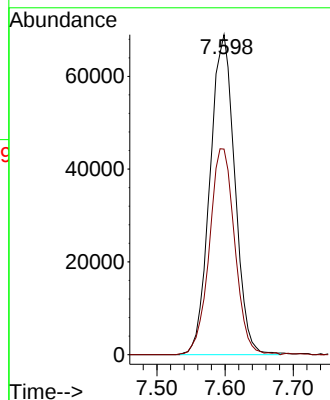
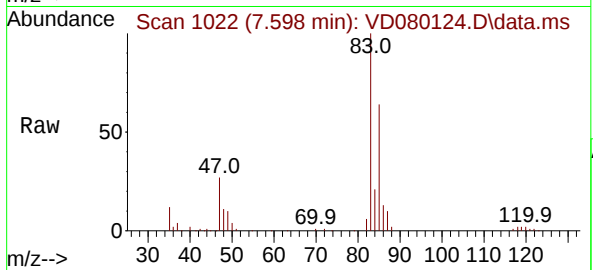




#25
Chloroform
Concen: 22.099 ug/L
RT: 7.598 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VD080124.D
Acq: 11 Dec 2024 10:25

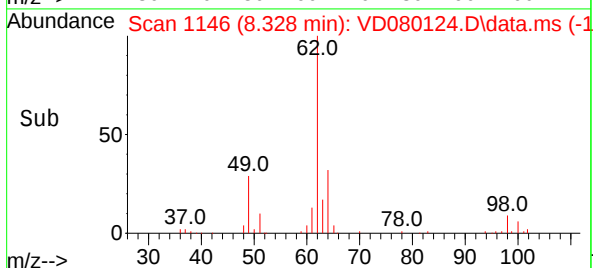
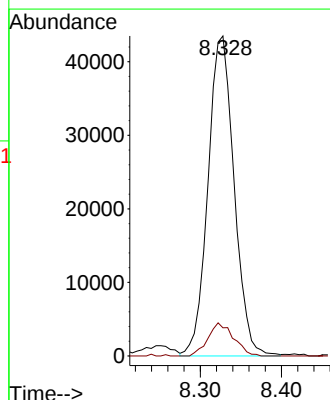
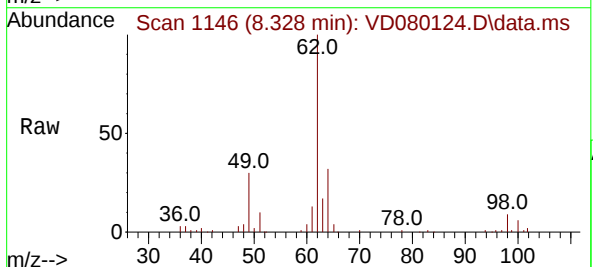
Instrument :
MSVOA_D
ClientSampleId :

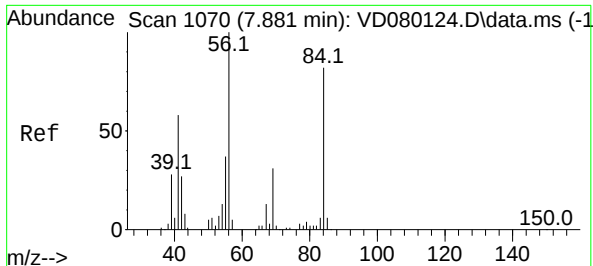
Tgt Ion: 83 Resp: 174954
Ion Ratio Lower Upper
83 100
85 64.3 45.0 83.6



#27
1,2-Dichloroethane
Concen: 21.519 ug/L
RT: 8.328 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VD080124.D
Acq: 11 Dec 2024 10:25

Tgt Ion: 62 Resp: 97426
Ion Ratio Lower Upper
62 100
98 8.8 7.0 10.6

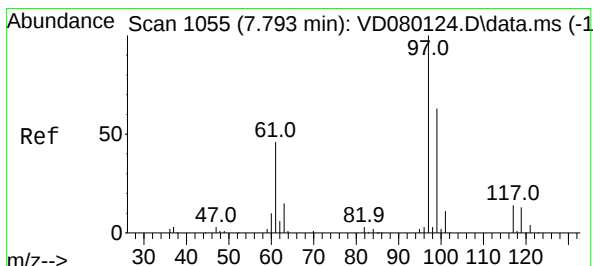
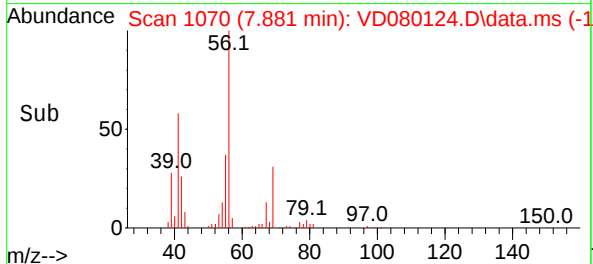
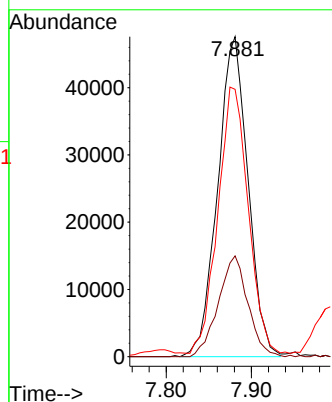
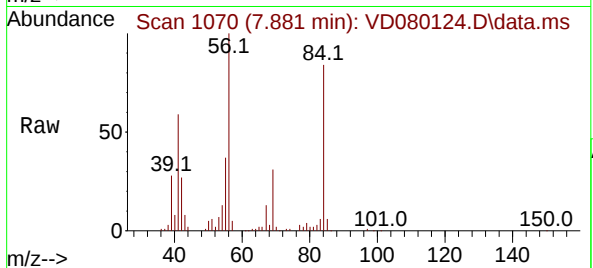




#29
Cyclohexane
Concen: 25.320 ug/L
RT: 7.881 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VD080124.D
Acq: 11 Dec 2024 10:25

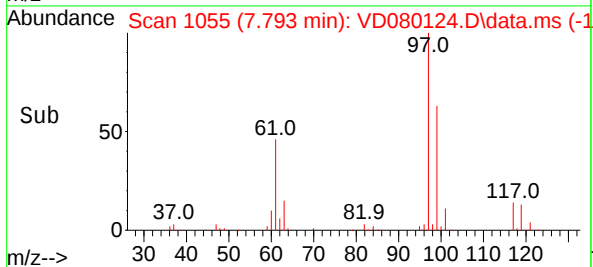
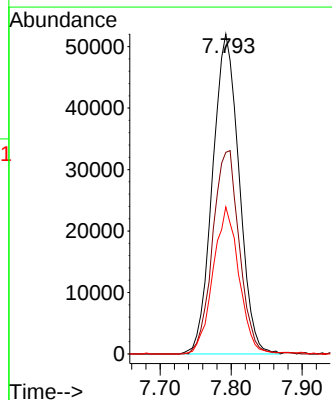
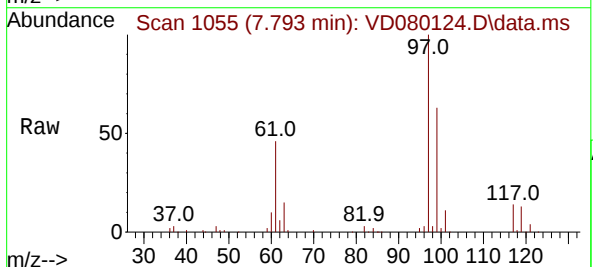
Instrument :
MSVOA_D
ClientSampleId :

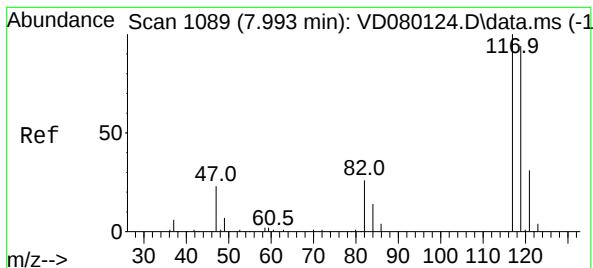
Tgt Ion: 56 Resp: 117486
Ion Ratio Lower Upper
56 100
69 30.7 24.6 36.8
84 85.9 68.7 103.1



#30
1,1,1-Trichloroethane
Concen: 23.888 ug/L
RT: 7.793 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VD080124.D
Acq: 11 Dec 2024 10:25

Tgt Ion: 97 Resp: 134861
Ion Ratio Lower Upper
97 100
99 64.1 51.3 76.9
61 44.8 35.8 53.8





#31

Carbon tetrachloride

Concen: 23.663 ug/L

RT: 7.993 min Scan# 1107

Delta R.T. 0.000 min

Lab File: VD080124.D

Acq: 11 Dec 2024 10:25

Instrument :

MSVOA_D

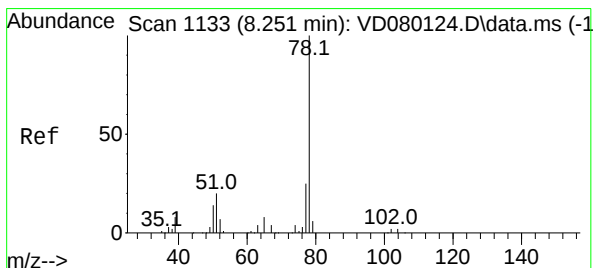
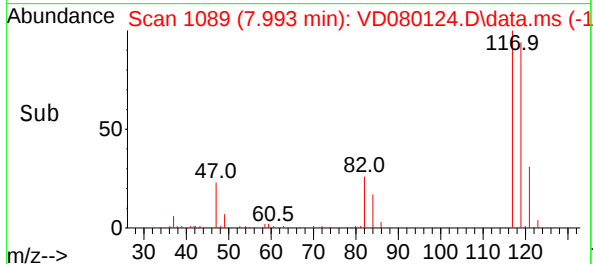
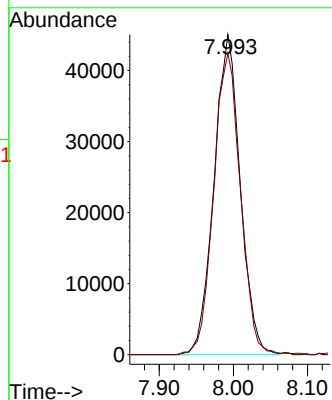
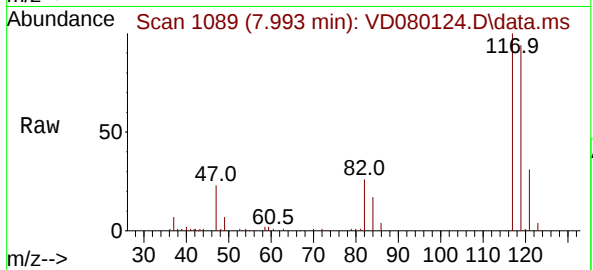
ClientSampleId :

Tgt Ion:117 Resp: 110725

Ion Ratio Lower Upper

117 100

119 96.0 76.8 115.2



#33

Benzene

Concen: 23.043 ug/L

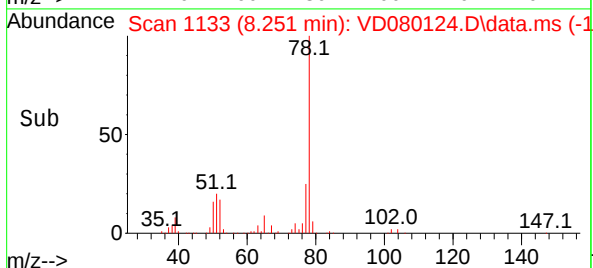
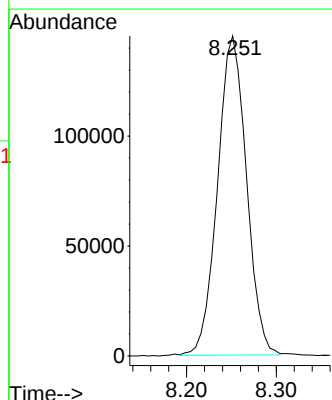
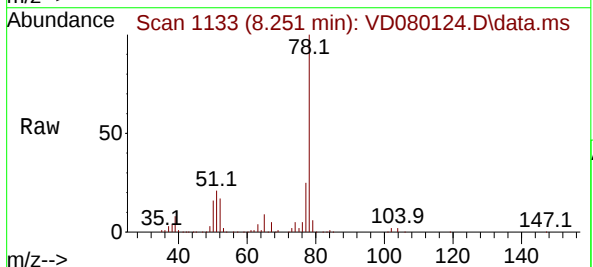
RT: 8.251 min Scan# 1133

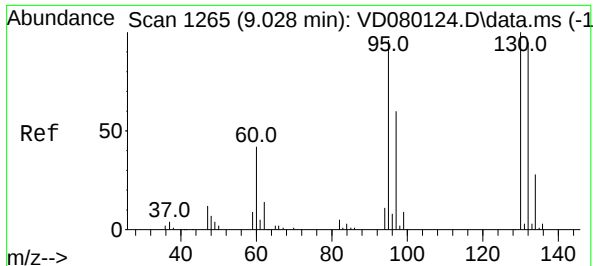
Delta R.T. 0.000 min

Lab File: VD080124.D

Acq: 11 Dec 2024 10:25

Tgt Ion: 78 Resp: 324445





#34

Trichloroethene

Concen: 23.868 ug/L

RT: 9.028 min Scan# 1265

Delta R.T. 0.000 min

Lab File: VD080124.D

Acq: 11 Dec 2024 10:25

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 95 Resp: 91336

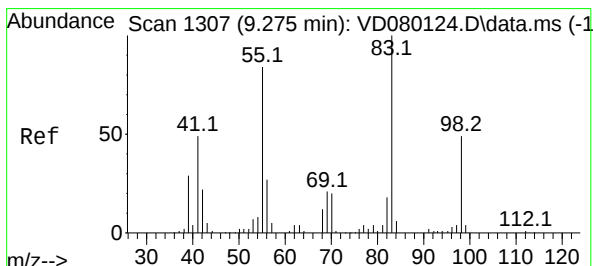
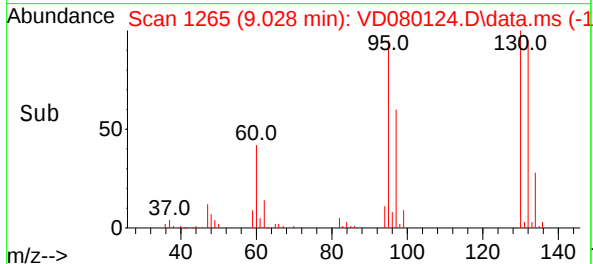
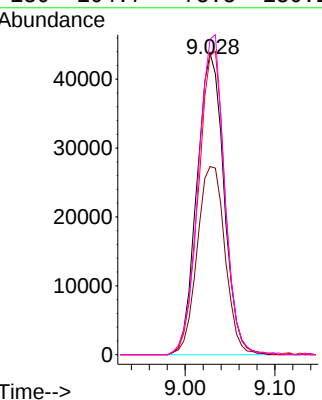
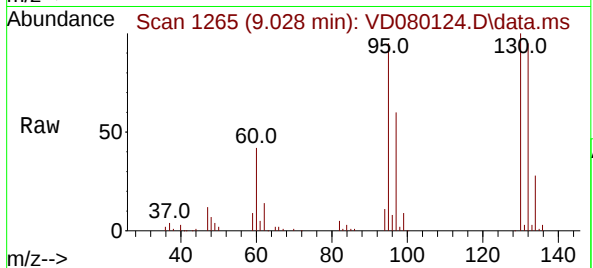
Ion Ratio Lower Upper

95 100

97 62.4 43.7 81.1

132 99.2 69.4 129.0

130 104.7 73.3 136.1



#35

Methylcyclohexane

Concen: 24.956 ug/L

RT: 9.275 min Scan# 1307

Delta R.T. 0.000 min

Lab File: VD080124.D

Acq: 11 Dec 2024 10:25

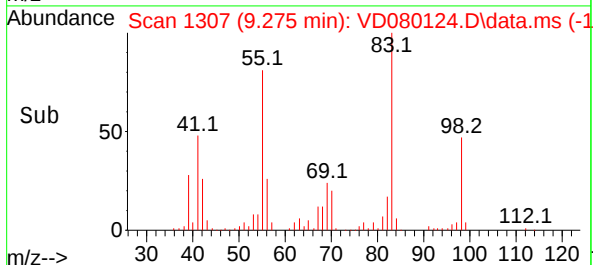
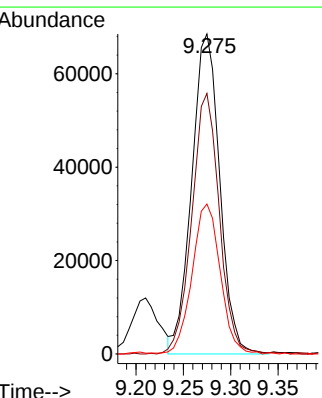
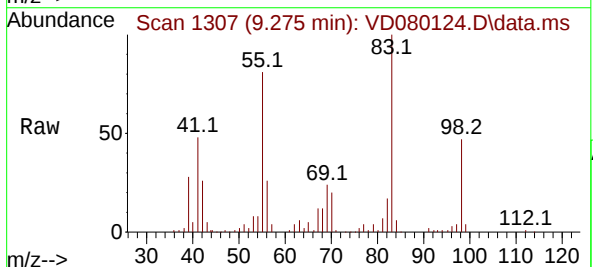
Tgt Ion: 83 Resp: 141075

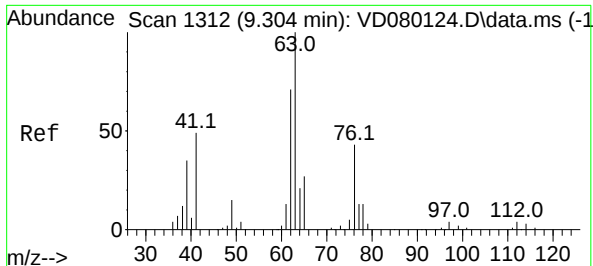
Ion Ratio Lower Upper

83 100

55 79.8 63.8 95.8

98 47.0 37.6 56.4

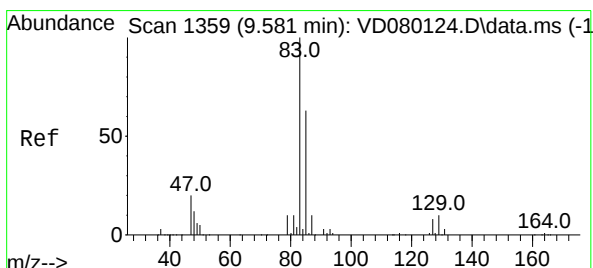
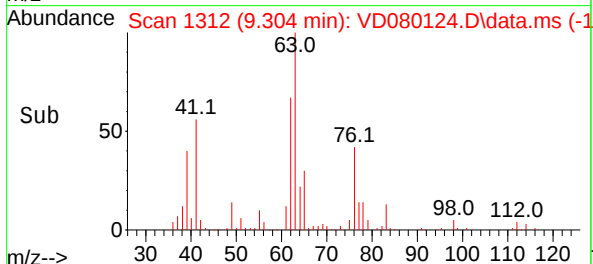
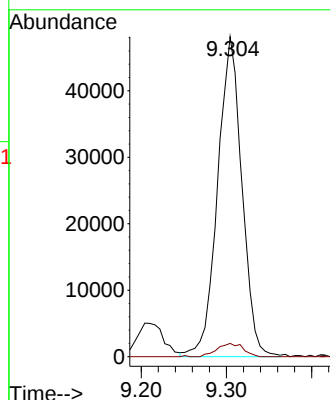
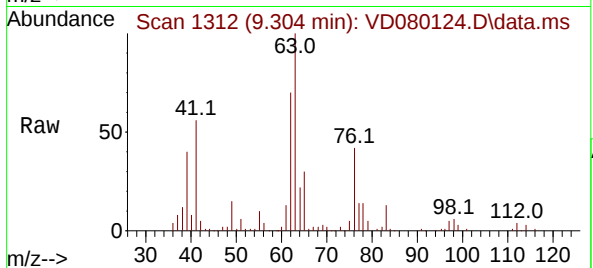




#37
1,2-Dichloropropane
Concen: 23.666 ug/L
RT: 9.304 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VD080124.D
Acq: 11 Dec 2024 10:25

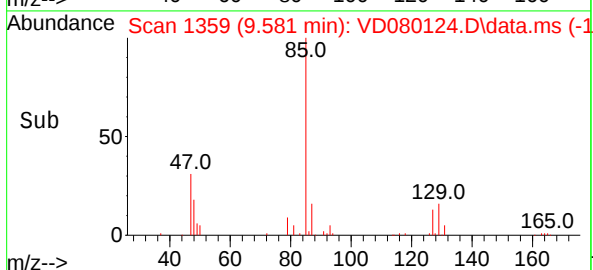
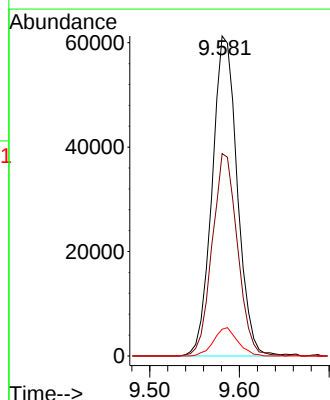
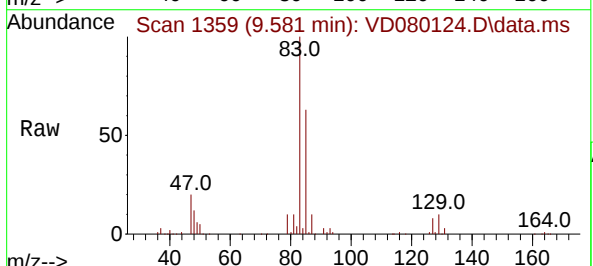
Instrument :
MSVOA_D
ClientSampleId :

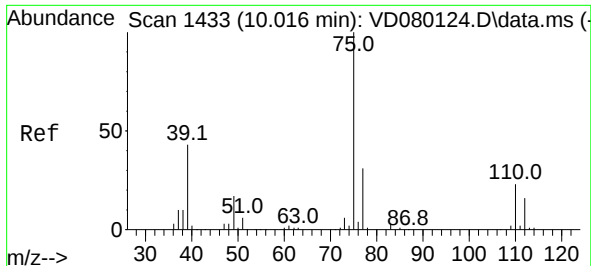
Tgt Ion: 63 Resp: 95476
Ion Ratio Lower Upper
63 100
112 4.4 3.5 5.3



#38
Bromodichloromethane
Concen: 23.439 ug/L
RT: 9.581 min Scan# 1359
Delta R.T. 0.000 min
Lab File: VD080124.D
Acq: 11 Dec 2024 10:25

Tgt Ion: 83 Resp: 119222
Ion Ratio Lower Upper
83 100
85 63.3 44.3 82.3
127 8.3 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 25.132 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. 0.000 min

Lab File: VD080124.D

Acq: 11 Dec 2024 10:25

Instrument :

MSVOA_D

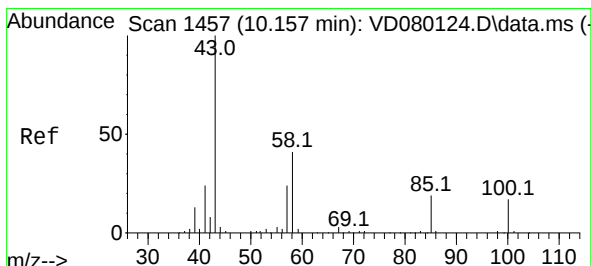
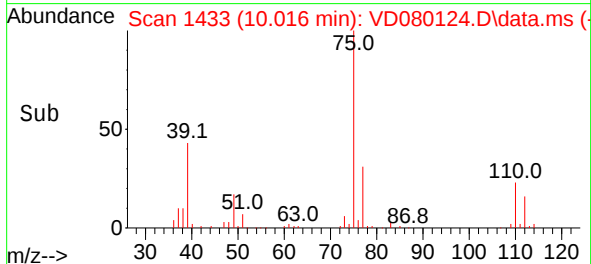
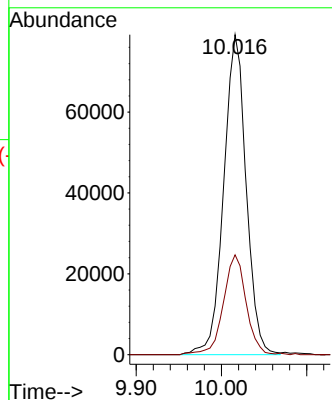
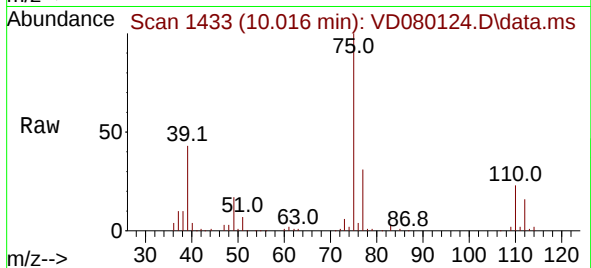
ClientSampleId :

Tgt Ion: 75 Resp: 144693

Ion Ratio Lower Upper

75 100

77 31.2 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 47.867 ug/L

RT: 10.157 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VD080124.D

Acq: 11 Dec 2024 10:25

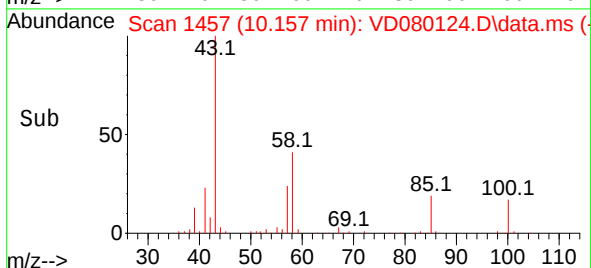
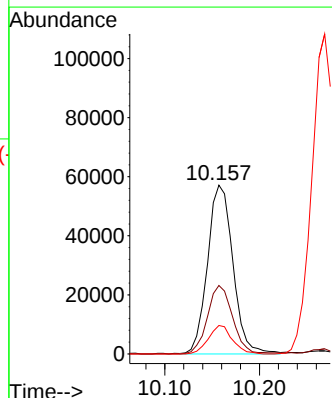
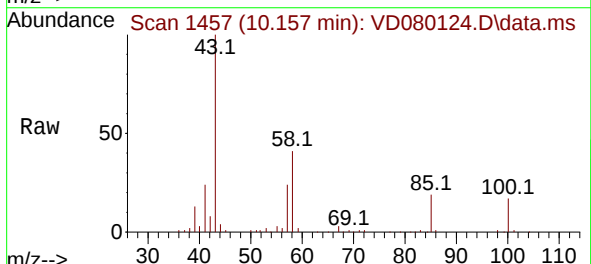
Tgt Ion: 43 Resp: 106773

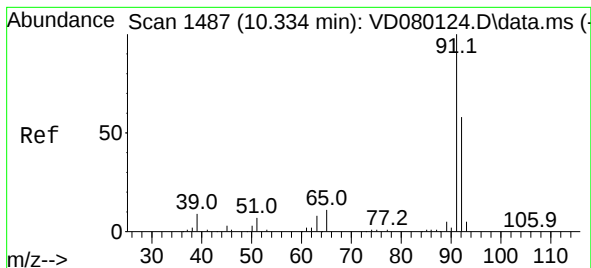
Ion Ratio Lower Upper

43 100

58 40.1 32.1 48.1

100 15.8 12.6 19.0





#42

Toluene

Concen: 26.323 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD080124.D

Acq: 11 Dec 2024 10:25

Instrument :

MSVOA_D

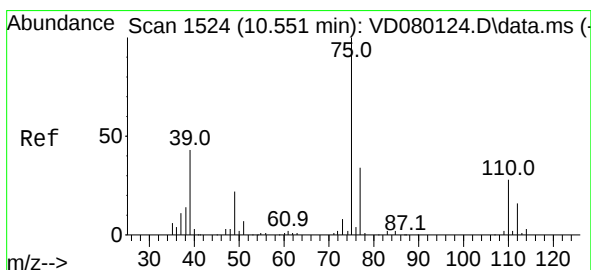
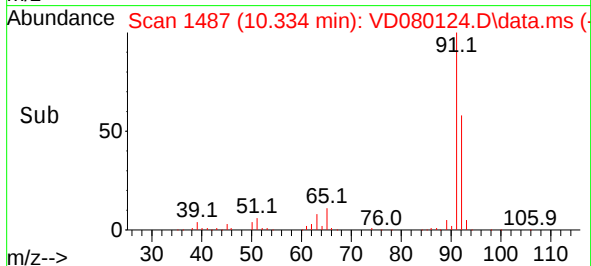
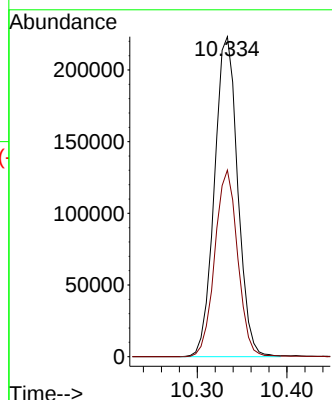
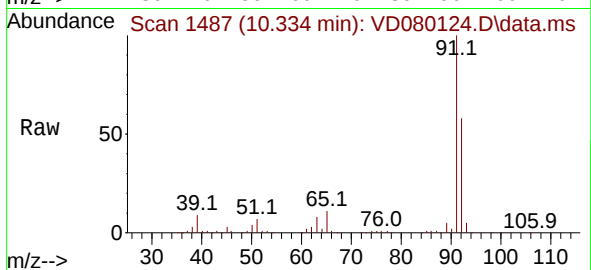
ClientSampleId :

Tgt Ion: 91 Resp: 402090

Ion Ratio Lower Upper

91 100

92 58.3 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 23.381 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. 0.000 min

Lab File: VD080124.D

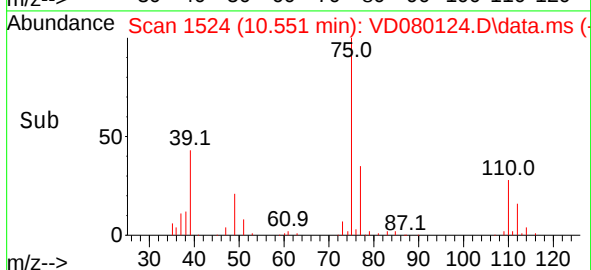
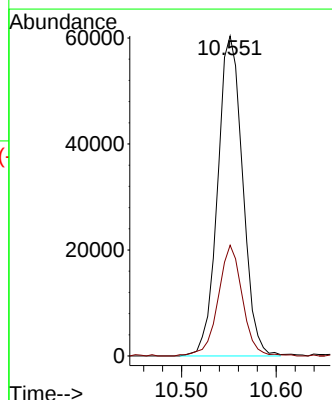
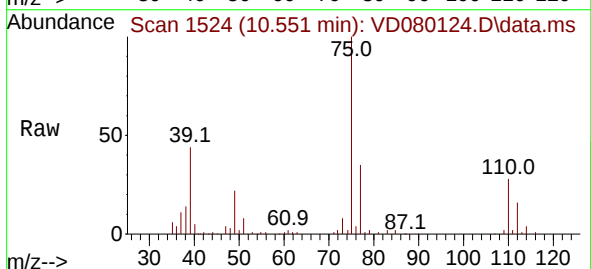
Acq: 11 Dec 2024 10:25

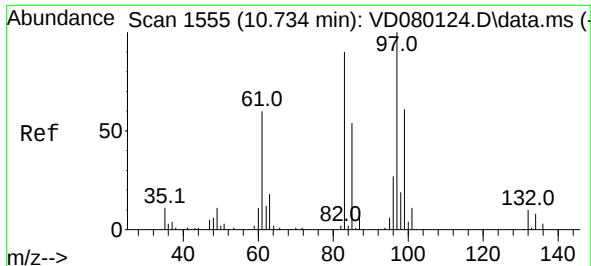
Tgt Ion: 75 Resp: 110889

Ion Ratio Lower Upper

75 100

77 34.6 24.2 45.0





#45

1,1,2-Trichloroethane

Concen: 22.868 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD080124.D

Acq: 11 Dec 2024 10:25

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 97 Resp: 66349

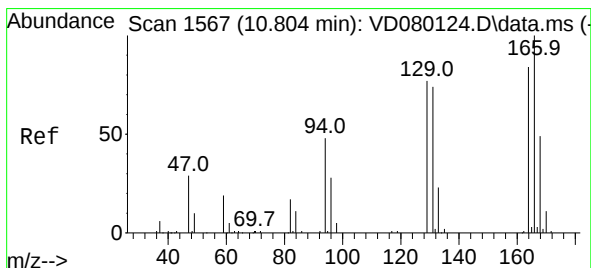
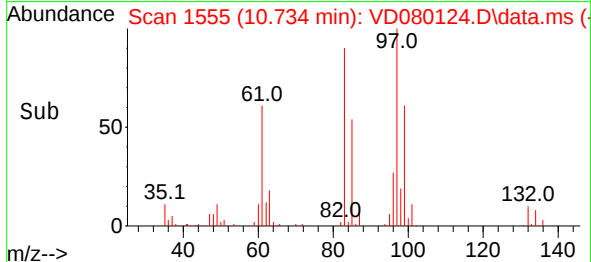
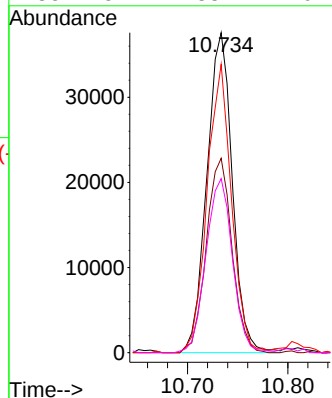
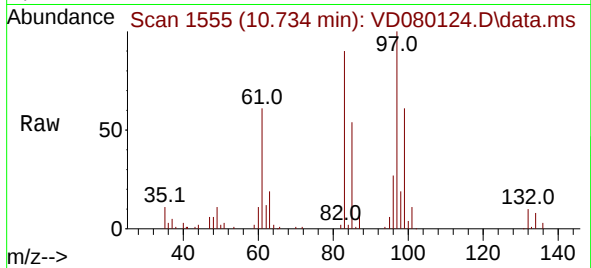
Ion Ratio Lower Upper

97 100

99 60.7 42.5 78.9

83 90.1 63.1 117.1

85 54.4 38.1 70.7



#46

Tetrachloroethene

Concen: 24.206 ug/L

RT: 10.804 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VD080124.D

Acq: 11 Dec 2024 10:25

Tgt Ion: 164 Resp: 64154

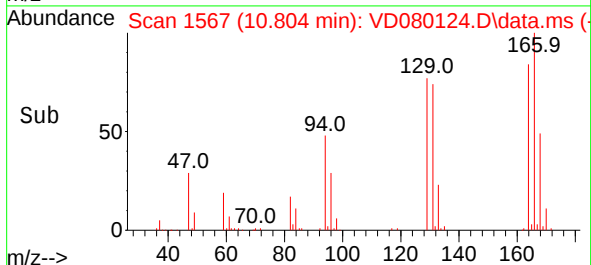
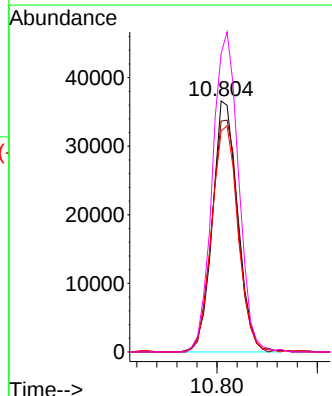
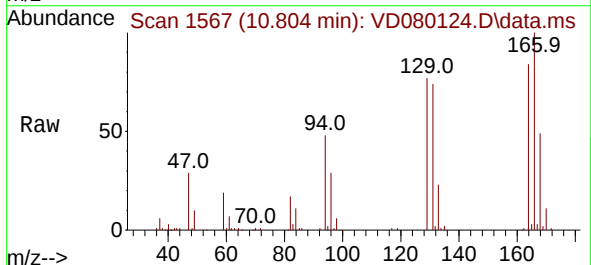
Ion Ratio Lower Upper

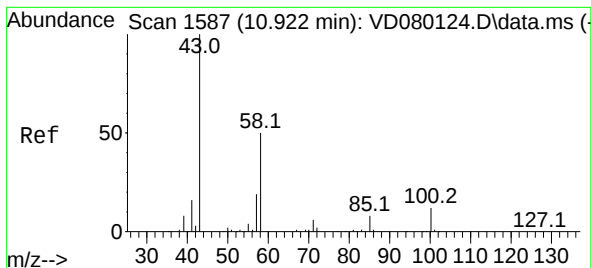
164 100

129 92.0 64.4 119.6

131 88.0 61.6 114.4

166 119.0 83.3 154.7





#48

2-Hexanone

Concen: 48.099 ug/L

RT: 10.922 min Scan# 1587

Delta R.T. 0.000 min

Lab File: VD080124.D

Acq: 11 Dec 2024 10:25

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 43 Resp: 85579

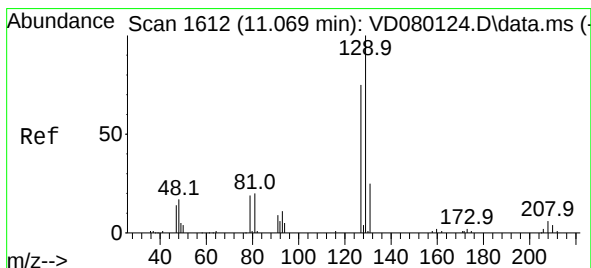
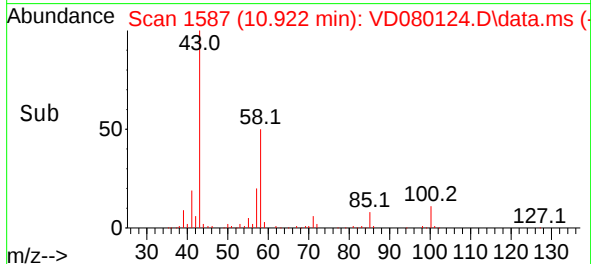
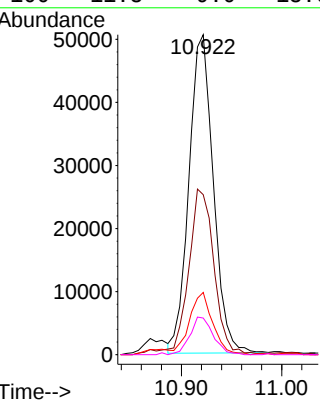
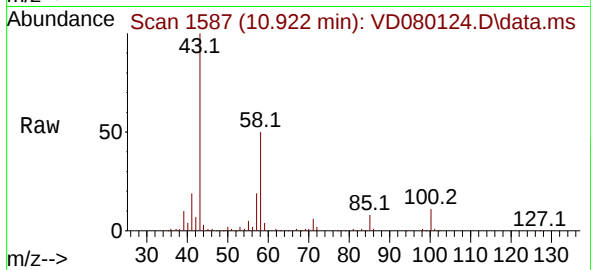
Ion Ratio Lower Upper

43 100

58 52.2 41.8 62.6

57 18.5 14.8 22.2

100 11.3 9.0 13.6



#49

Dibromochloromethane

Concen: 23.236 ug/L

RT: 11.069 min Scan# 1612

Delta R.T. 0.000 min

Lab File: VD080124.D

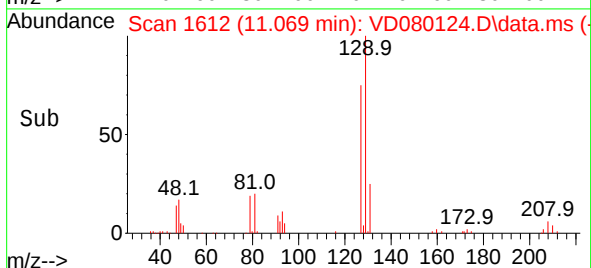
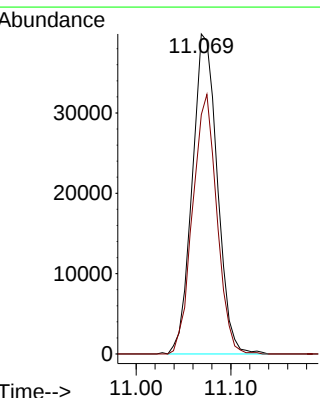
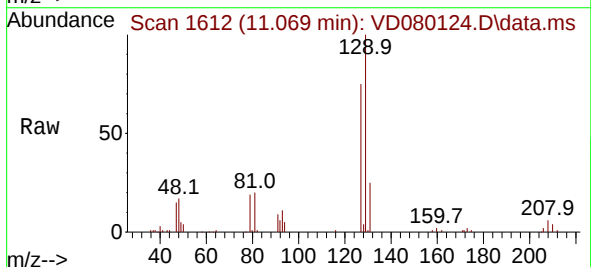
Acq: 11 Dec 2024 10:25

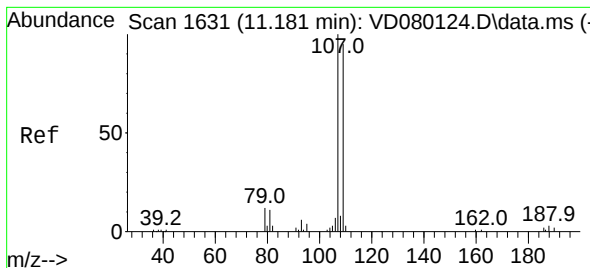
Tgt Ion: 129 Resp: 73183

Ion Ratio Lower Upper

129 100

127 74.8 52.4 97.2





#50

1,2-Dibromoethane

Concen: 22.516 ug/L

RT: 11.181 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD080124.D

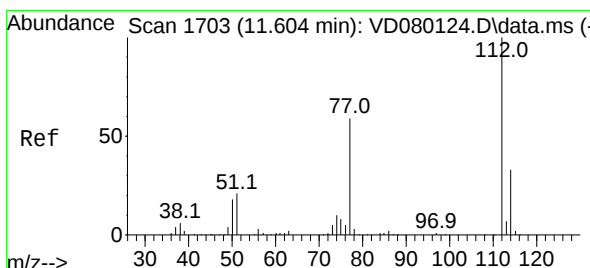
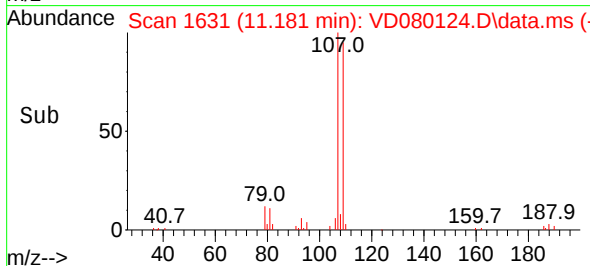
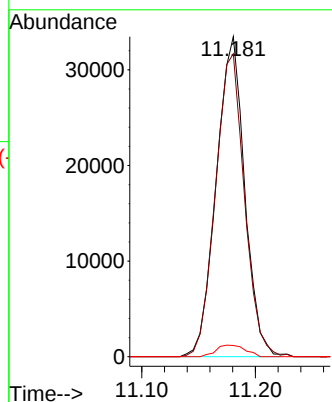
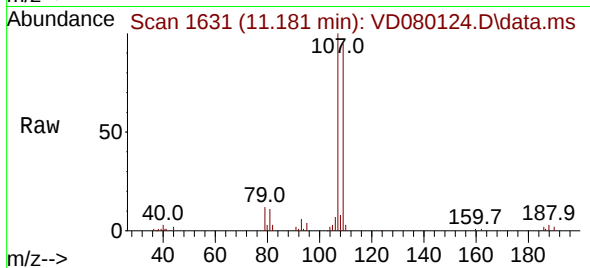
Acq: 11 Dec 2024 10:25

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	107	Resp:	57926
Ion	Ratio	Lower	Upper
107	100		
109	94.6	66.2	123.0
188	3.5	2.8	4.2



#51

Chlorobenzene

Concen: 23.536 ug/L

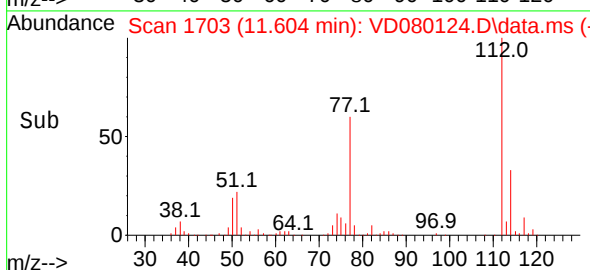
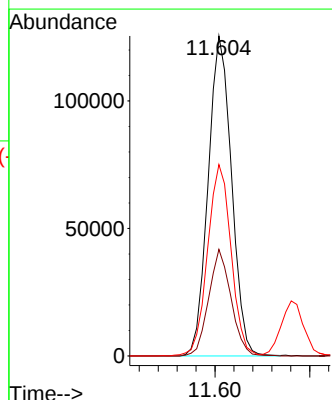
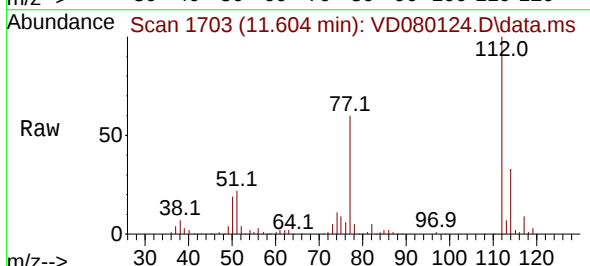
RT: 11.604 min Scan# 1703

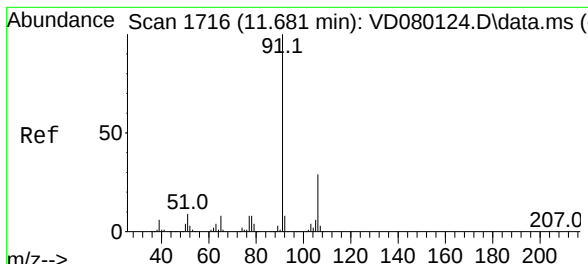
Delta R.T. 0.000 min

Lab File: VD080124.D

Acq: 11 Dec 2024 10:25

Tgt Ion:	112	Resp:	215187
Ion	Ratio	Lower	Upper
112	100		
114	33.3	23.3	43.3
77	59.8	47.8	71.8



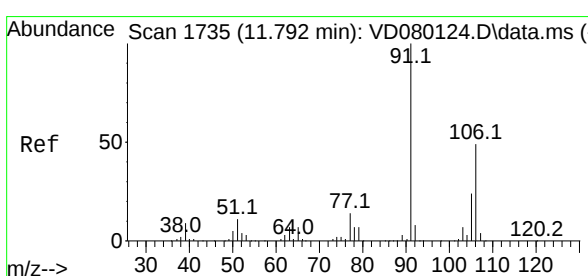
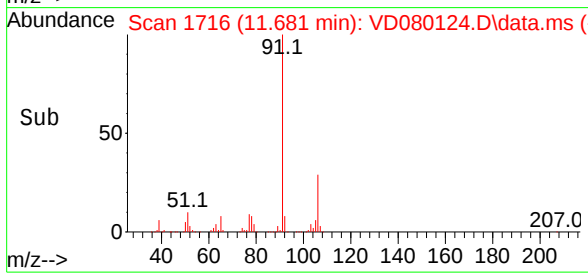
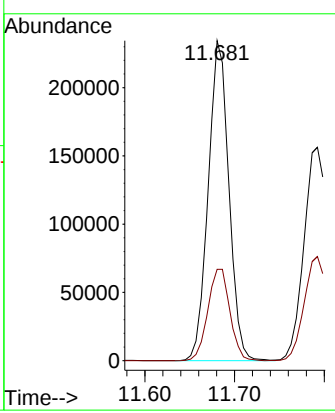
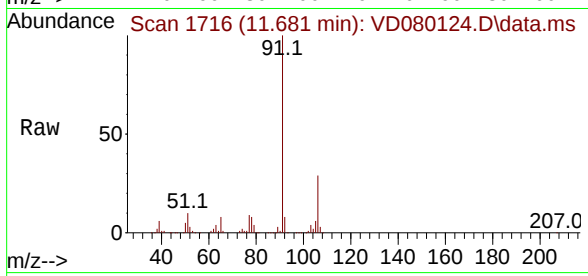


#52
Ethylbenzene
Concen: 24.741 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VD080124.D
Acq: 11 Dec 2024 10:25

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 91 Resp: 375296

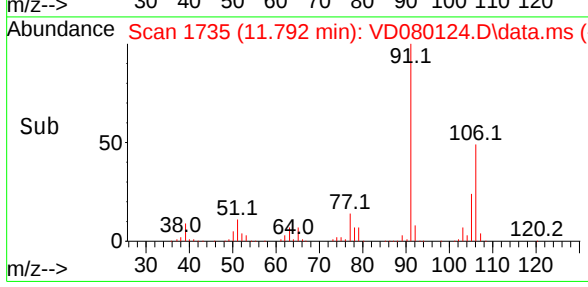
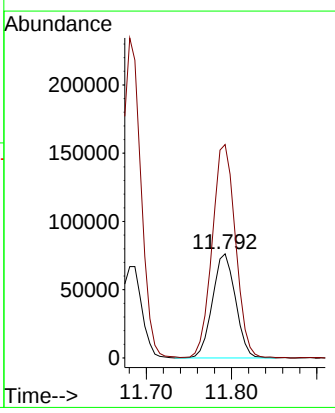
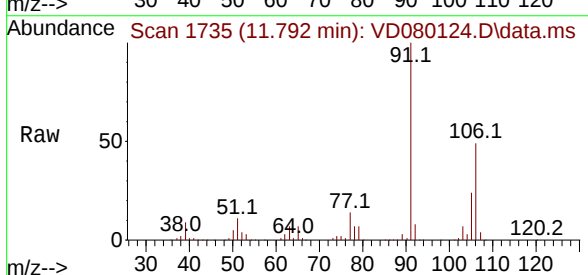
Ion	Ratio	Lower	Upper
91	100		
106	28.6	20.0	37.2

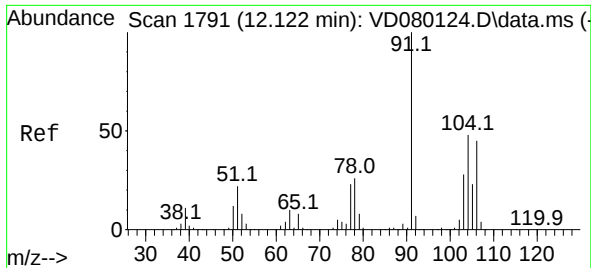


#53
m,p-Xylene
Concen: 24.684 ug/L
RT: 11.792 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD080124.D
Acq: 11 Dec 2024 10:25

Tgt Ion: 106 Resp: 143155

Ion	Ratio	Lower	Upper
106	100		
91	205.0	143.5	266.5

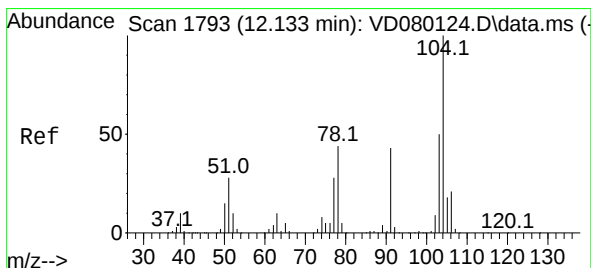
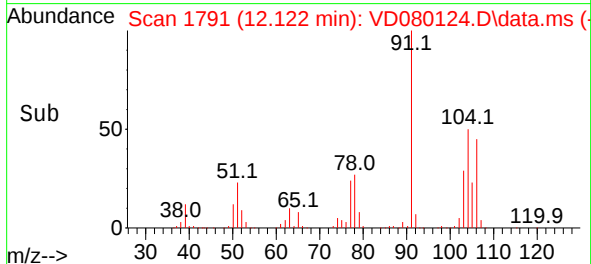
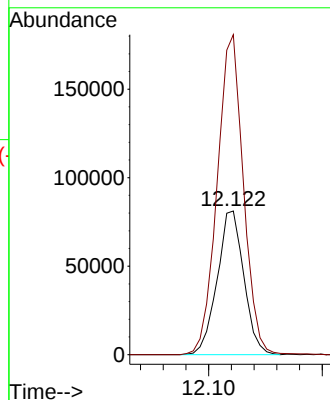
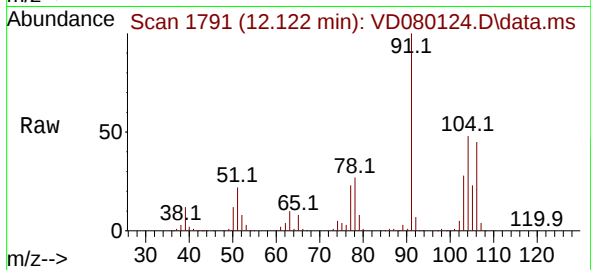




#54
o-Xylene
Concen: 23.776 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD080124.D
Acq: 11 Dec 2024 10:25

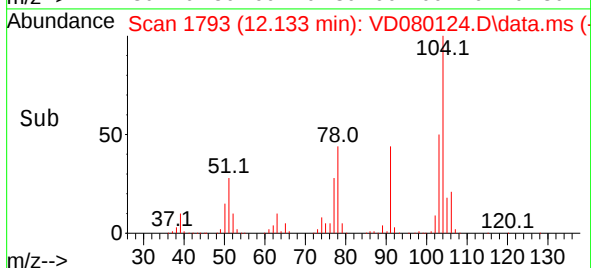
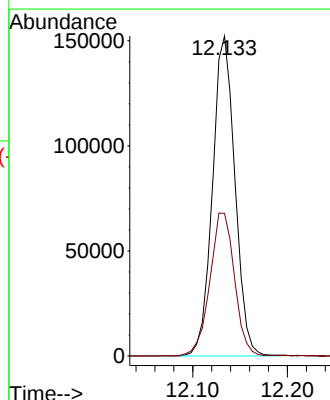
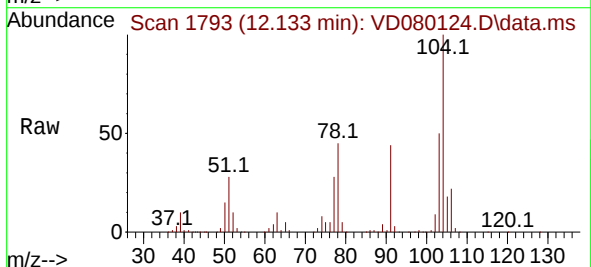
Instrument :
MSVOA_D
ClientSampleId :

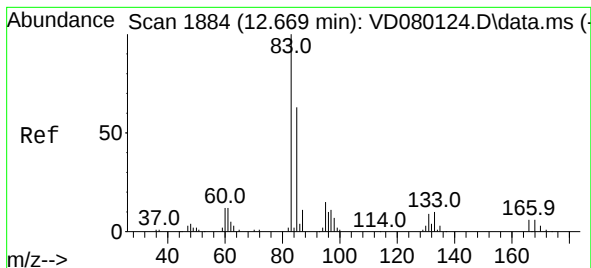
Tgt Ion:106 Resp: 132290
Ion Ratio Lower Upper
106 100
91 222.6 155.8 289.4



#55
Styrene
Concen: 24.939 ug/L
RT: 12.133 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD080124.D
Acq: 11 Dec 2024 10:25

Tgt Ion:104 Resp: 251161
Ion Ratio Lower Upper
104 100
78 44.6 31.2 58.0





#57

1,1,2,2-Tetrachloroethane

Concen: 21.445 ug/L

RT: 12.669 min Scan# 1884

Delta R.T. 0.000 min

Lab File: VD080124.D

Acq: 11 Dec 2024 10:25

Instrument :

MSVOA_D

ClientSampleId :

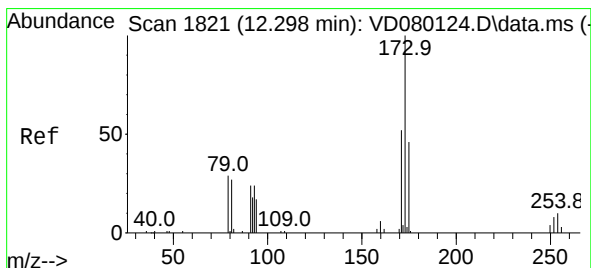
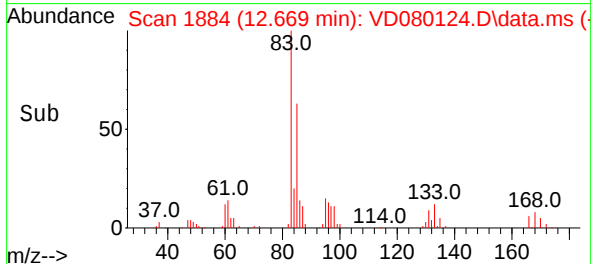
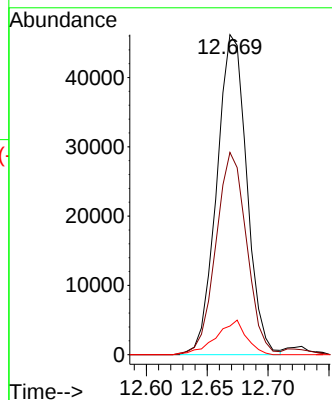
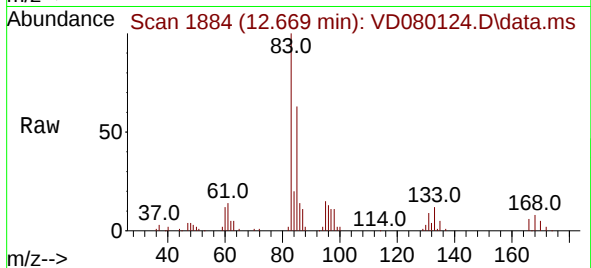
Tgt Ion: 83 Resp: 79273

Ion Ratio Lower Upper

83 100

85 63.2 44.2 82.2

131 8.9 7.1 10.7



#59

Bromoform

Concen: 17.521 ug/L

RT: 12.298 min Scan# 1821

Delta R.T. 0.000 min

Lab File: VD080124.D

Acq: 11 Dec 2024 10:25

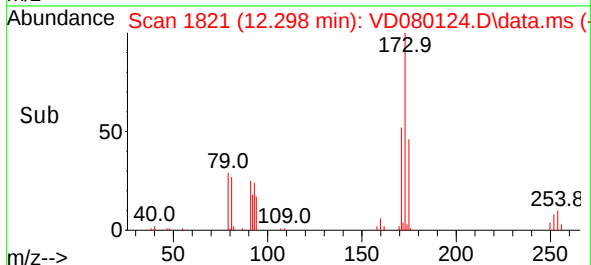
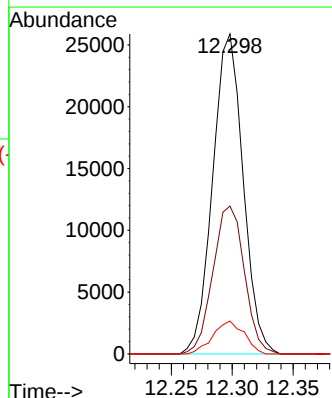
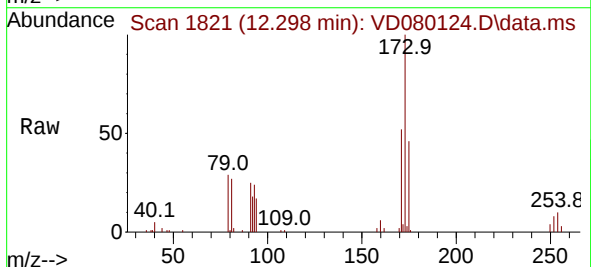
Tgt Ion:173 Resp: 45009

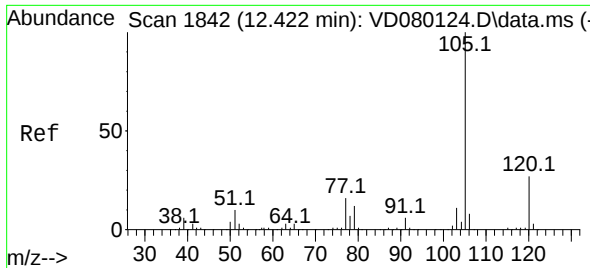
Ion Ratio Lower Upper

173 100

175 47.8 38.2 57.4

254 10.6 8.5 12.7

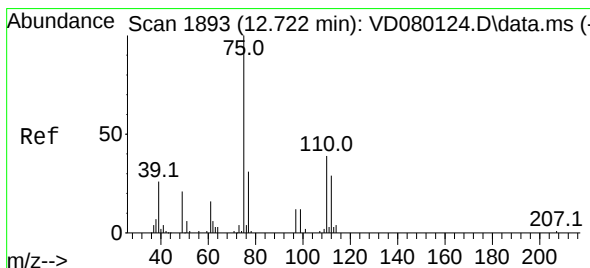
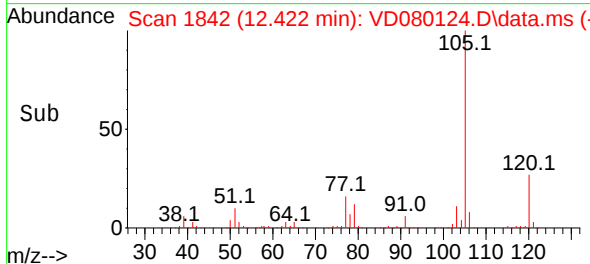
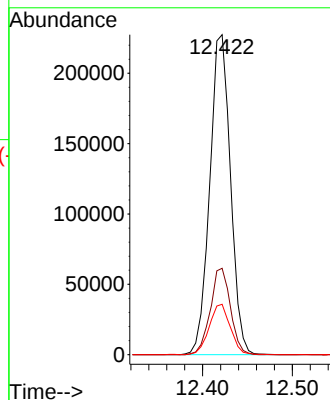
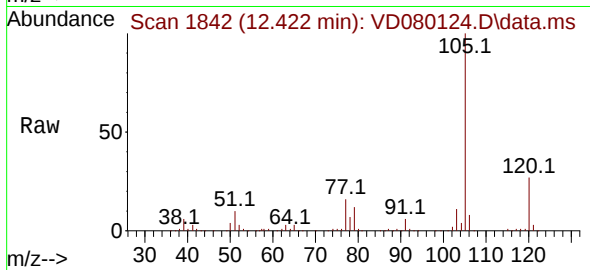




#60
Isopropylbenzene
Concen: 19.191 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD080124.D
Acq: 11 Dec 2024 10:25

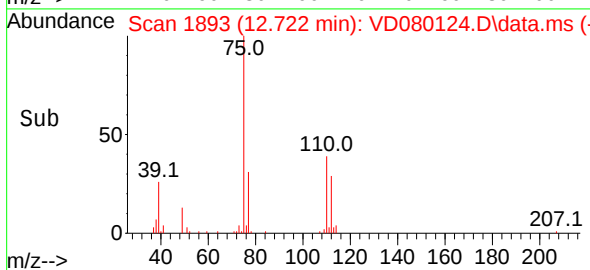
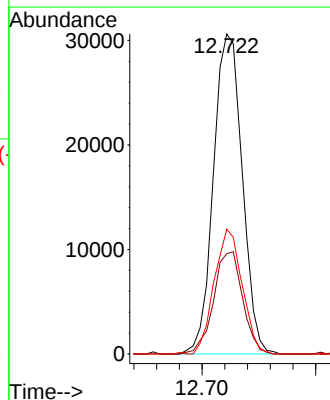
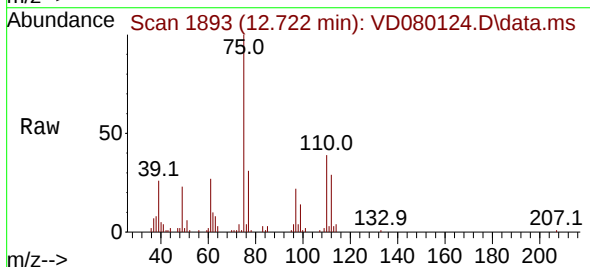
Instrument :
MSVOA_D
ClientSampleId :

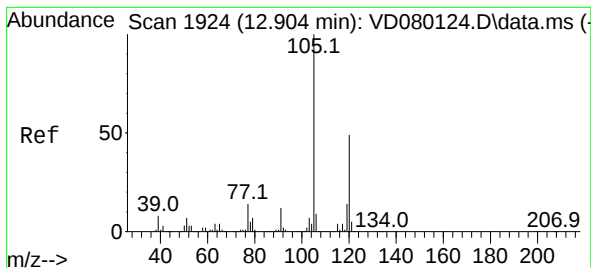
Tgt Ion:105 Resp: 364806
Ion Ratio Lower Upper
105 100
120 26.2 21.0 31.4
77 16.1 12.9 19.3



#61
1,2,3-Trichloropropane
Concen: 16.373 ug/L
RT: 12.722 min Scan# 1893
Delta R.T. 0.000 min
Lab File: VD080124.D
Acq: 11 Dec 2024 10:25

Tgt Ion: 75 Resp: 53928
Ion Ratio Lower Upper
75 100
77 32.2 25.8 38.6
110 37.7 30.2 45.2

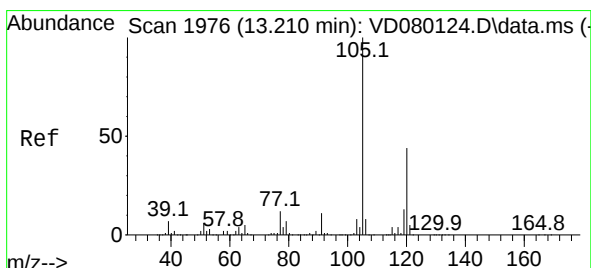
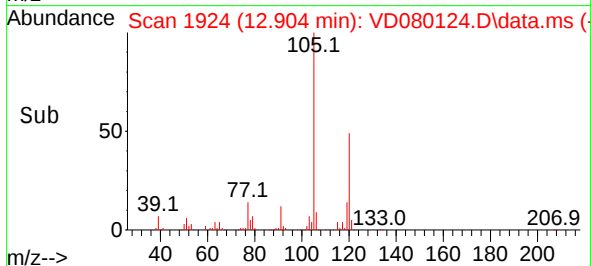
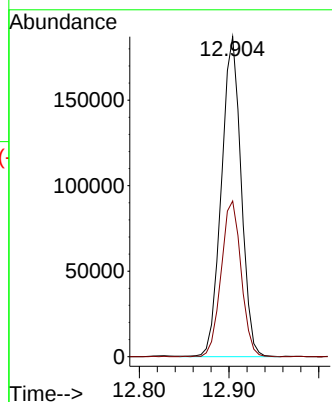
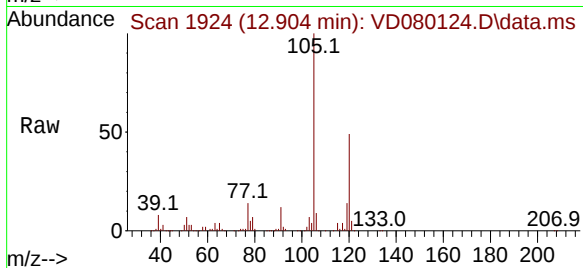




#62
1,3,5-Trimethylbenzene
Concen: 17.986 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD080124.D
Acq: 11 Dec 2024 10:25

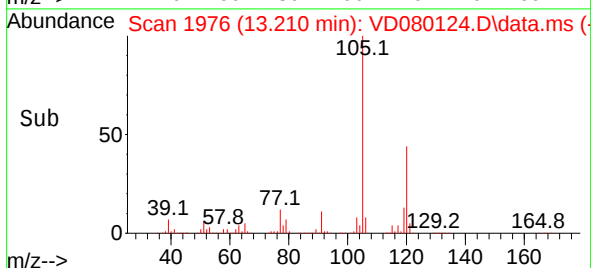
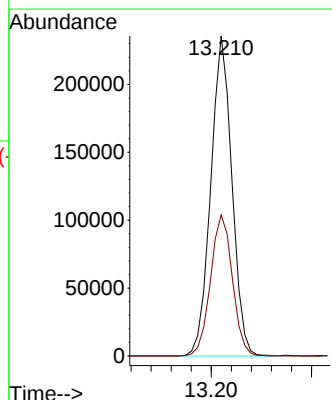
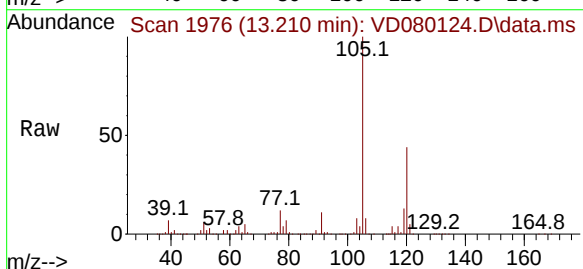
Instrument :
MSVOA_D
ClientSampleId :

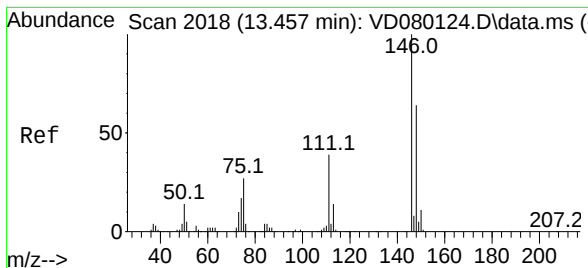
Tgt Ion:105 Resp: 285037
Ion Ratio Lower Upper
105 100
120 49.3 39.4 59.2



#63
1,2,4-Trimethylbenzene
Concen: 22.878 ug/L
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD080124.D
Acq: 11 Dec 2024 10:25

Tgt Ion:105 Resp: 344966
Ion Ratio Lower Upper
105 100
120 45.5 36.4 54.6





#64

1,3-Dichlorobenzene

Concen: 22.806 ug/L

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VD080124.D

Acq: 11 Dec 2024 10:25

Instrument :

MSVOA_D

ClientSampleId :

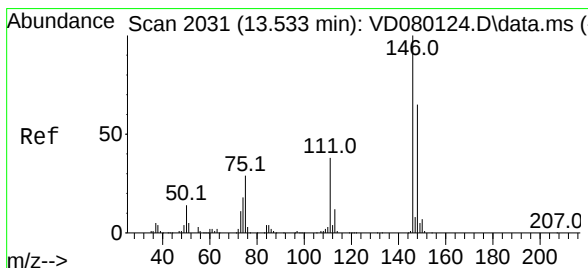
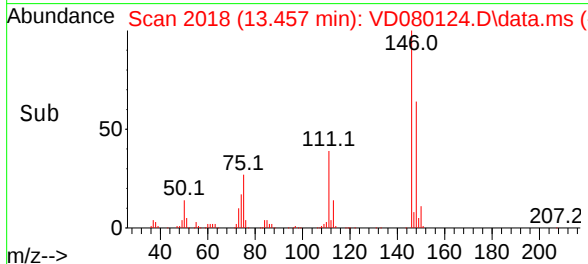
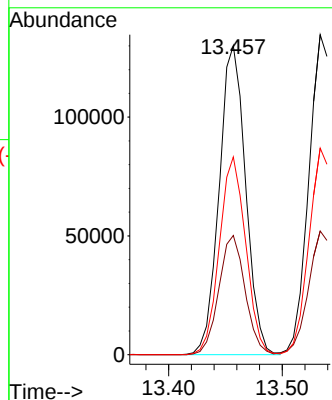
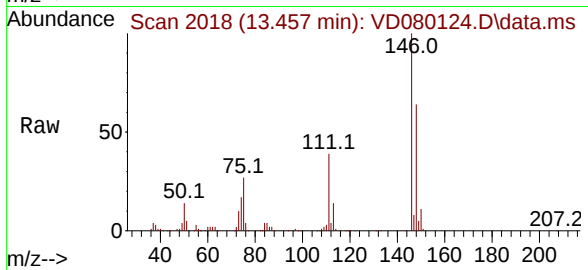
Tgt Ion:146 Resp: 210872

Ion Ratio Lower Upper

146 100

111 38.6 27.0 50.2

148 64.0 44.8 83.2



#65

1,4-Dichlorobenzene

Concen: 22.398 ug/L

RT: 13.533 min Scan# 2031

Delta R.T. 0.000 min

Lab File: VD080124.D

Acq: 11 Dec 2024 10:25

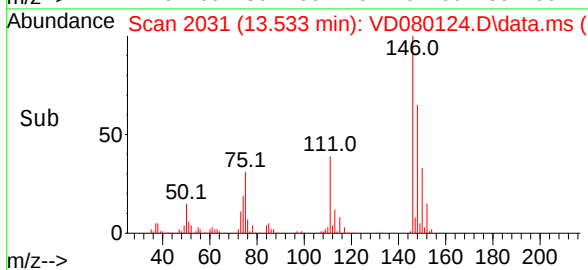
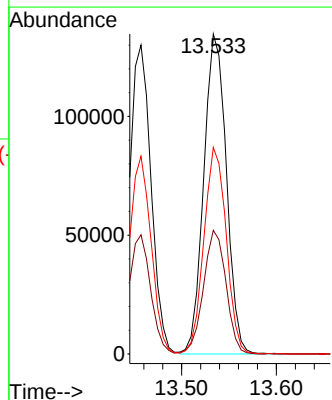
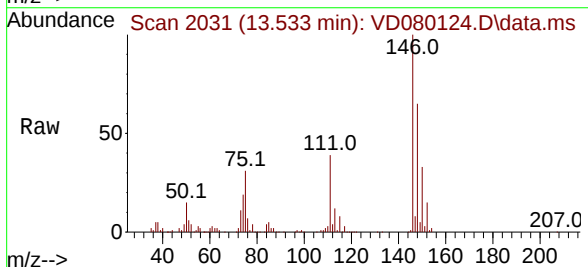
Tgt Ion:146 Resp: 223260

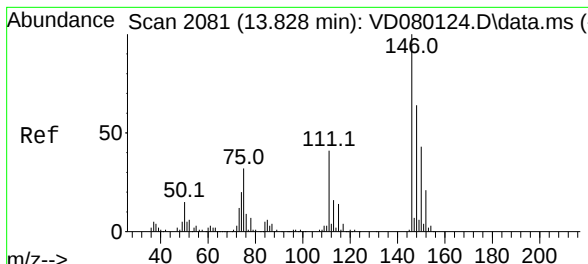
Ion Ratio Lower Upper

146 100

111 38.6 27.0 50.2

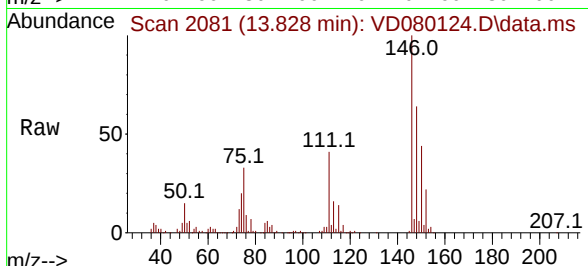
148 64.6 45.2 84.0



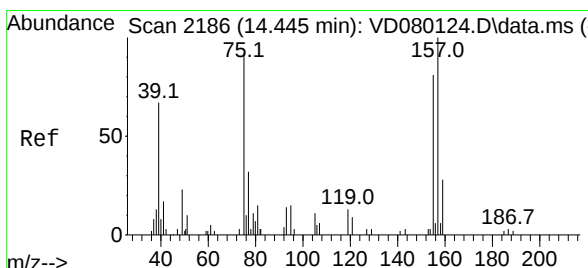
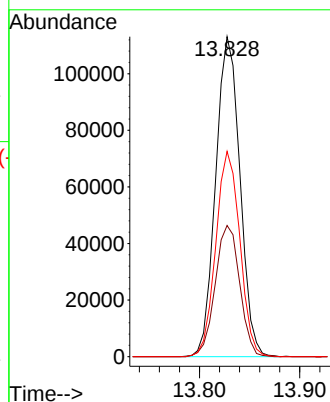
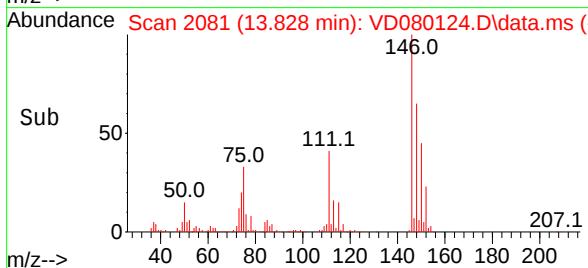


#67
1,2-Dichlorobenzene
Concen: 21.298 ug/L
RT: 13.828 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VD080124.D
Acq: 11 Dec 2024 10:25

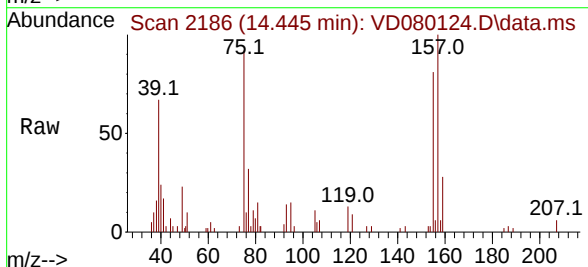
Instrument :
MSVOA_D
ClientSampleId :



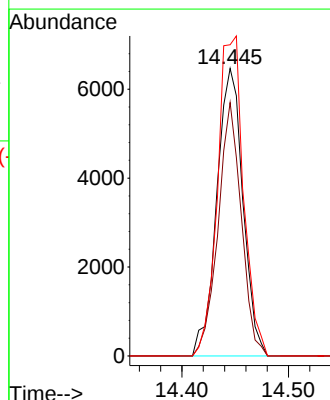
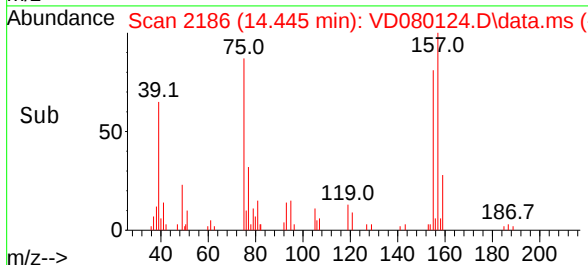
Tgt Ion:146 Resp: 190161
Ion Ratio Lower Upper
146 100
111 41.0 32.8 49.2
148 64.2 51.4 77.0

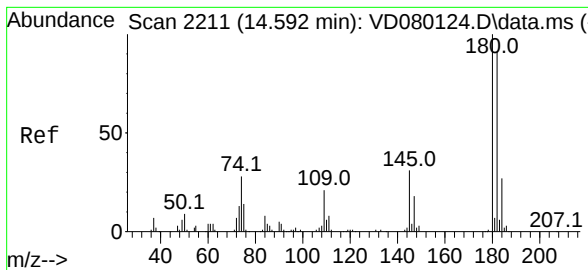


#68
1,2-Dibromo-3-chloropropane
Concen: 16.592 ug/L
RT: 14.445 min Scan# 2186
Delta R.T. 0.000 min
Lab File: VD080124.D
Acq: 11 Dec 2024 10:25



Tgt Ion: 75 Resp: 11020
Ion Ratio Lower Upper
75 100
155 88.1 70.5 105.7
157 108.2 86.6 129.8





#69

1,3,5-Trichlorobenzene

Concen: 17.883 ug/L

RT: 14.592 min Scan# 2211

Delta R.T. 0.000 min

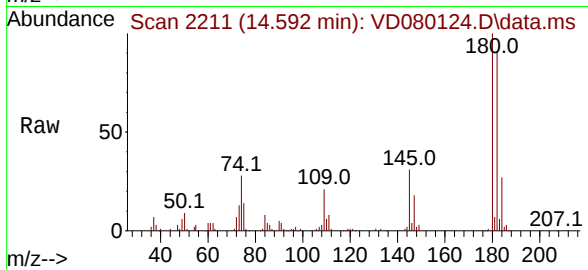
Lab File: VD080124.D

Acq: 11 Dec 2024 10:25

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:180 Resp: 114224

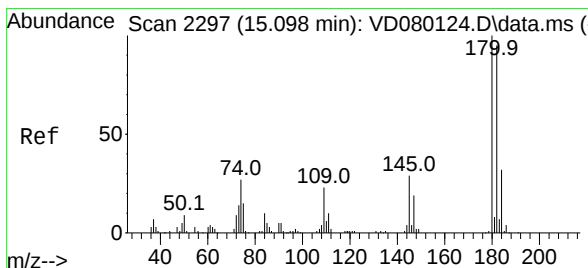
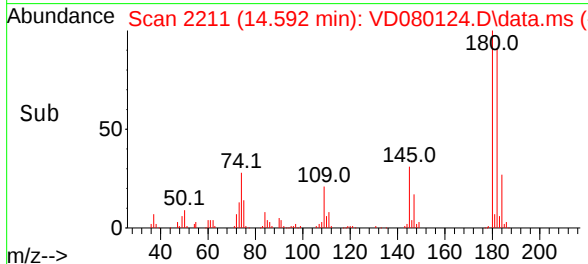
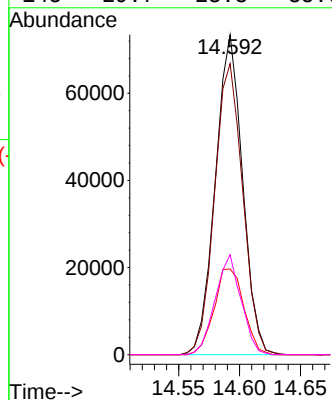
Ion Ratio Lower Upper

180 100

182 93.8 75.0 112.6

184 29.3 23.4 35.2

145 29.7 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 17.892 ug/L

RT: 15.098 min Scan# 2297

Delta R.T. 0.000 min

Lab File: VD080124.D

Acq: 11 Dec 2024 10:25

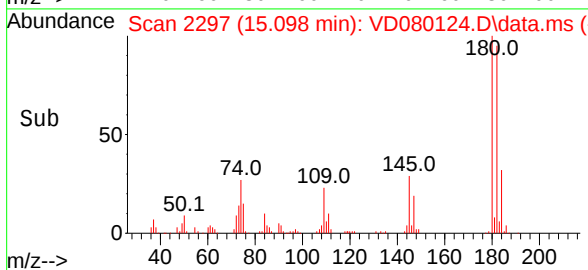
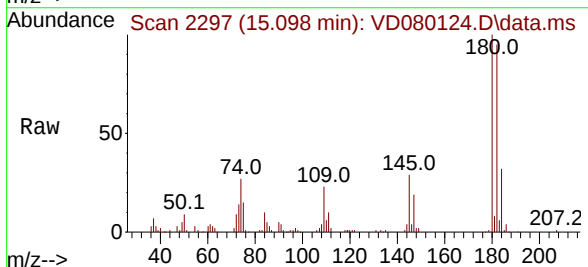
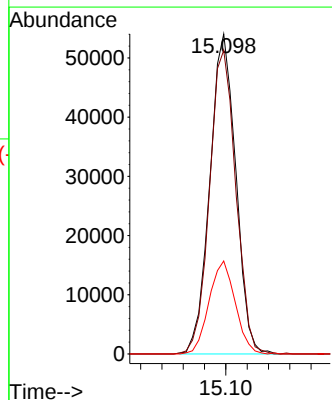
Tgt Ion:180 Resp: 91351

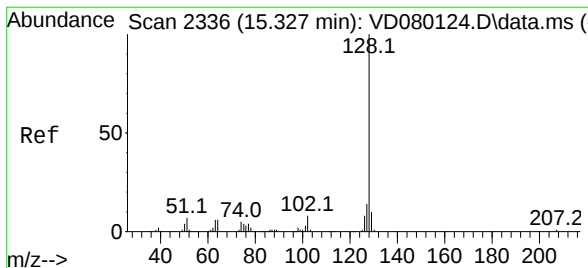
Ion Ratio Lower Upper

180 100

182 96.2 77.0 115.4

145 29.3 23.4 35.2





#71

Naphthalene

Concen: 17.281 ug/L

RT: 15.327 min Scan# 2336

Delta R.T. 0.000 min

Lab File: VD080124.D

Acq: 11 Dec 2024 10:25

Instrument :

MSVOA_D

ClientSampleId :

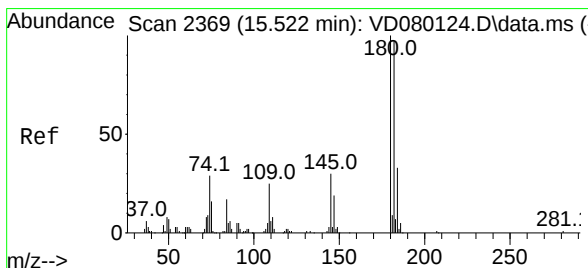
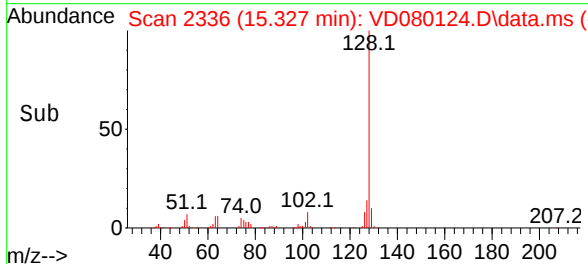
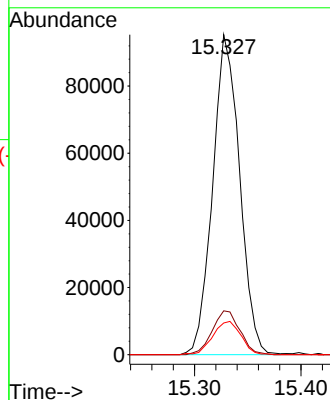
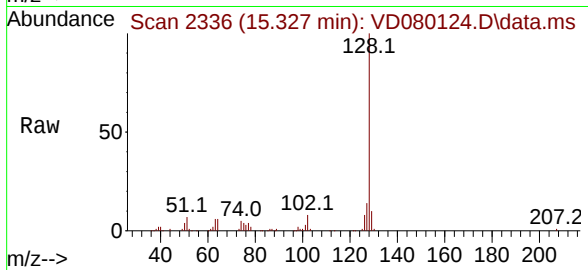
Tgt Ion:128 Resp: 167630

Ion Ratio Lower Upper

128 100

127 14.0 11.2 16.8

129 10.8 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 16.345 ug/L

RT: 15.522 min Scan# 2369

Delta R.T. 0.000 min

Lab File: VD080124.D

Acq: 11 Dec 2024 10:25

Tgt Ion:180 Resp: 83991

Ion Ratio Lower Upper

180 100

182 97.6 78.1 117.1

145 32.3 25.8 38.8

