

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051724\
 Data File : VD078958.D
 Acq On : 17 May 2024 10:33
 Operator : RP/MD
 Sample : VSTD025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 18 00:35:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM051724SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat May 18 00:33:46 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	142737	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	147757	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	82503	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	73953	21.135	ug/L	0.00
7) Chloroethane-d5	2.799	69	79239	21.155	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.916	65	13837	20.550	ug/L	0.00
21) 2-Butanone-d5	6.993	46	20019	40.420	ug/L	0.00
24) Chloroform-d	7.569	84	85925	20.222	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.234	65	42137	20.881	ug/L	0.00
32) Benzene-d6	8.198	84	162725	21.584	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.204	67	47512	20.683	ug/L	0.00
41) Toluene-d8	10.269	98	144211	20.752	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.522	79	20653	19.517	ug/L	0.00
47) 2-Hexanone-d5	10.875	63	19292	41.903	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.645	84	54574	20.884	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.810	152	55308	19.751	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	59800	20.939	ug/L	100
3) Chloromethane	2.146	50	72497	20.688	ug/L	100
5) Vinyl chloride	2.281	62	119239	20.797	ug/L	100
6) Bromomethane	2.693	94	80902	19.731	ug/L	100
8) Chloroethane	2.834	64	94888	21.429	ug/L	100
9) Trichlorofluoromethane	3.175	101	92956	20.788	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	59869	21.332	ug/L	100
12) 1,1-Dichloroethene	3.934	96	50134	20.313	ug/L	100
13) Acetone	4.016	43	26576	43.433	ug/L	100
14) Carbon disulfide	4.275	76	135351	18.925	ug/L	100
15) Methyl Acetate	4.558	43	22124	21.909	ug/L	100
16) Methylene chloride	4.799	84	63068	18.653	ug/L	100
17) trans-1,2-Dichloroethene	5.316	96	55548	22.104	ug/L	100
18) Methyl tert-butyl Ether	5.322	73	121351	22.649	ug/L	100
19) 1,1-Dichloroethane	6.110	63	98633	23.368	ug/L	100
20) cis-1,2-Dichloroethene	7.075	96	65011	22.681	ug/L	100
22) 2-Butanone	7.081	43	33034	48.025	ug/L	100
23) Bromochloromethane	7.422	128	32308	22.558	ug/L	100
25) Chloroform	7.593	83	113554	22.382	ug/L	100
27) 1,2-Dichloroethane	8.322	62	67095	22.834	ug/L	100
29) Cyclohexane	7.881	56	65316	23.000	ug/L	100
30) 1,1,1-Trichloroethane	7.793	97	93157	22.788	ug/L	100
31) Carbon tetrachloride	7.993	117	86448	22.966	ug/L	100
33) Benzene	8.251	78	238409	23.539	ug/L	100
34) Trichloroethene	9.028	95	59184	22.682	ug/L	100
35) Methylcyclohexane	9.275	83	87910	22.410	ug/L	100
37) 1,2-Dichloropropane	9.304	63	60063	23.401	ug/L	100
38) Bromodichloromethane	9.581	83	85317	23.506	ug/L	100
39) cis-1,3-Dichloropropene	10.016	75	94160	23.385	ug/L	100
40) 4-Methyl-2-pentanone	10.157	43	61170	47.181	ug/L	100
42) Toluene	10.334	91	263026	23.621	ug/L	100
44) trans-1,3-Dichloropropene	10.551	75	85469	24.010	ug/L	100

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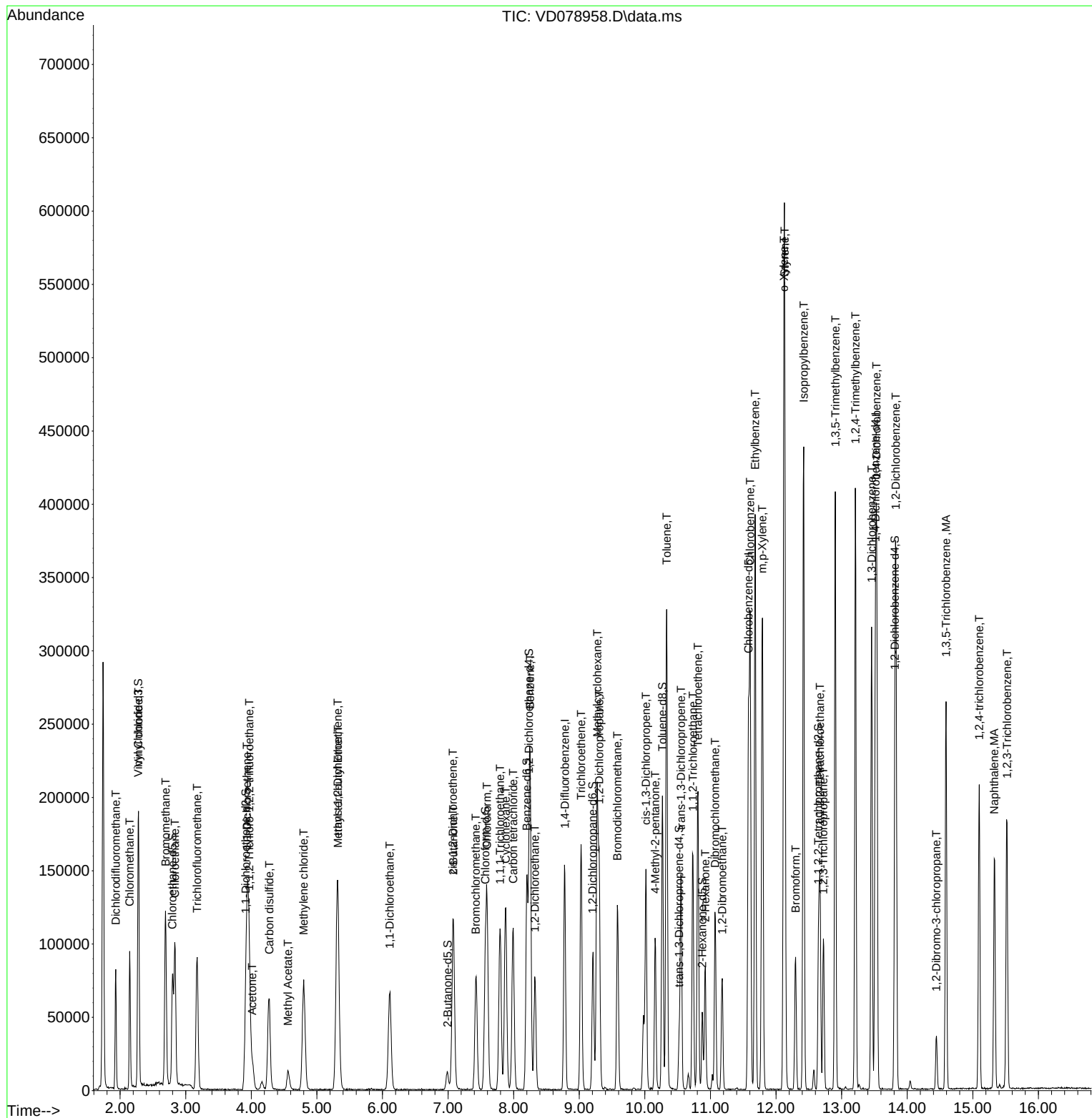
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.734	97	56159	23.927	ug/L	100
46) Tetrachloroethene	10.810	164	48243	21.489	ug/L	100
48) 2-Hexanone	10.922	43	47836	47.595	ug/L	100
49) Dibromochloromethane	11.069	129	65381	22.913	ug/L	100
50) 1,2-Dibromoethane	11.181	107	50867	22.943	ug/L	100
51) Chlorobenzene	11.604	112	177896	22.613	ug/L	100
52) Ethylbenzene	11.681	91	285676	23.771	ug/L	100
53) m,p-Xylene	11.792	106	113441	23.595	ug/L	100
54) o-Xylene	12.122	106	108226	23.112	ug/L	100
55) Styrene	12.134	104	205798	24.870	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.669	83	66873	23.491	ug/L	100
59) Bromoform	12.298	173	41349	22.144	ug/L	100
60) Isopropylbenzene	12.422	105	287998	23.612	ug/L	100
61) 1,2,3-Trichloropropane	12.722	75	42071	22.246	ug/L	100
62) 1,3,5-Trimethylbenzene	12.904	105	215009	23.848	ug/L	100
63) 1,2,4-Trimethylbenzene	13.210	105	217980	23.793	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	135654	22.900	ug/L	100
65) 1,4-Dichlorobenzene	13.534	146	142112	22.252	ug/L	100
67) 1,2-Dichlorobenzene	13.828	146	125932	22.461	ug/L	100
68) 1,2-Dibromo-3-chloropr...	14.445	75	8891	22.569	ug/L	100
69) 1,3,5-Trichlorobenzene	14.592	180	83618	21.734	ug/L	100
70) 1,2,4-trichlorobenzene	15.098	180	68666	21.083	ug/L	100
71) Naphthalene	15.328	128	144457	21.738	ug/L	100
72) 1,2,3-Trichlorobenzene	15.522	180	66062	21.700	ug/L	100

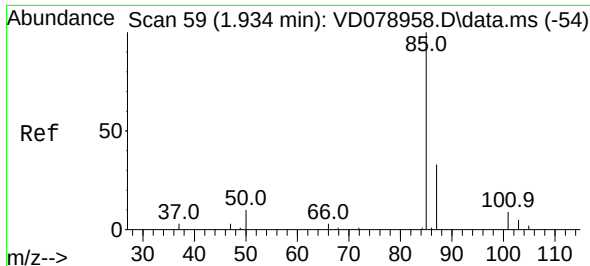
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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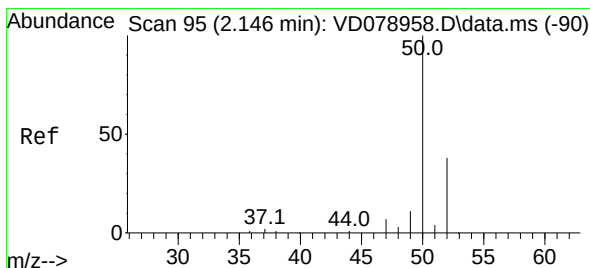
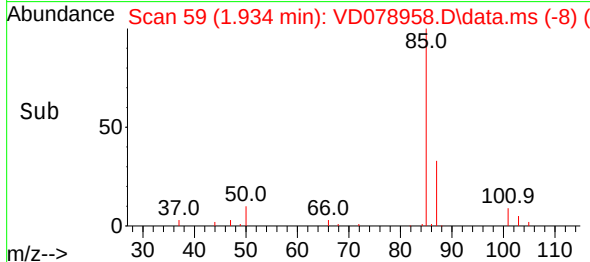
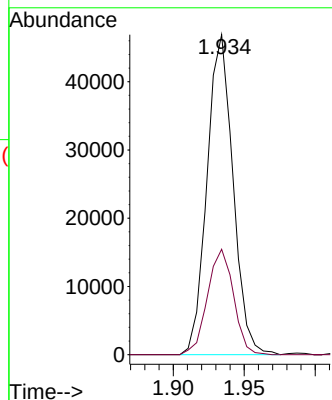
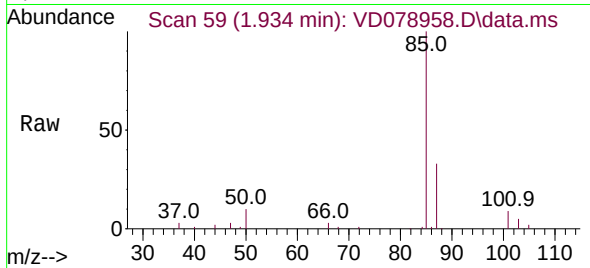




#2
Dichlorodifluoromethane
Concen: 20.939 ug/L
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD078958.D
Acq: 17 May 2024 10:33

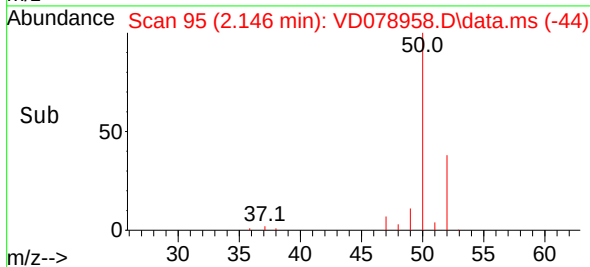
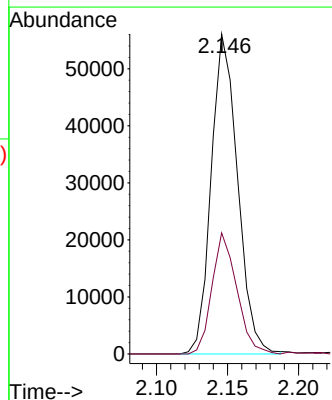
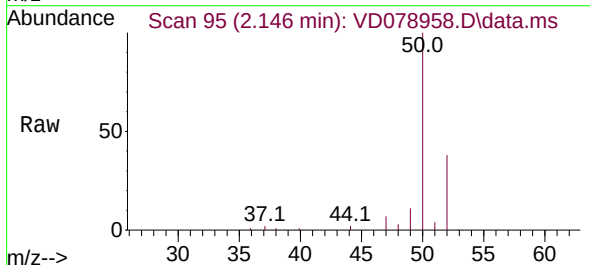
Instrument :
MSVOA_D
ClientSampleId :

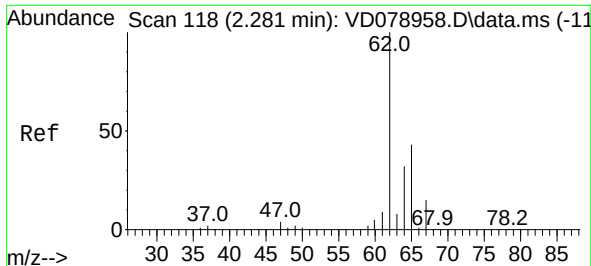
Tgt Ion: 85 Resp: 59800
Ion Ratio Lower Upper
85 100
87 32.9 26.3 39.5



#3
Chloromethane
Concen: 20.688 ug/L
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD078958.D
Acq: 17 May 2024 10:33

Tgt Ion: 50 Resp: 72497
Ion Ratio Lower Upper
50 100
52 37.9 26.5 49.3

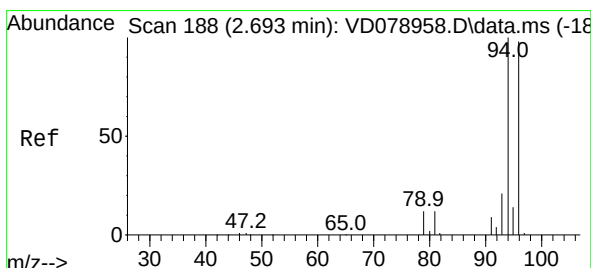
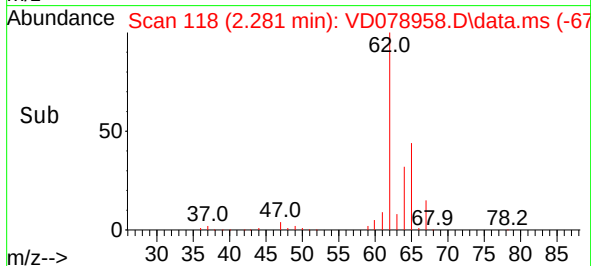
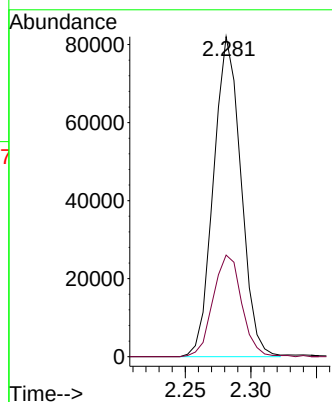
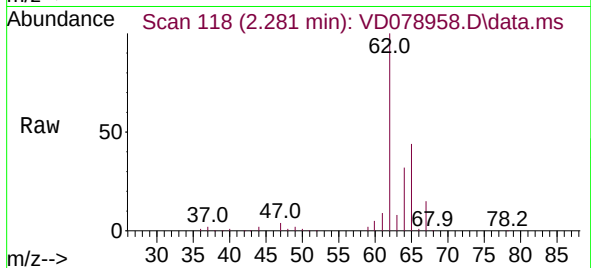




#5
 Vinyl chloride
 Concen: 20.797 ug/L
 RT: 2.281 min Scan# 118
 Delta R.T. 0.000 min
 Lab File: VD078958.D
 Acq: 17 May 2024 10:33

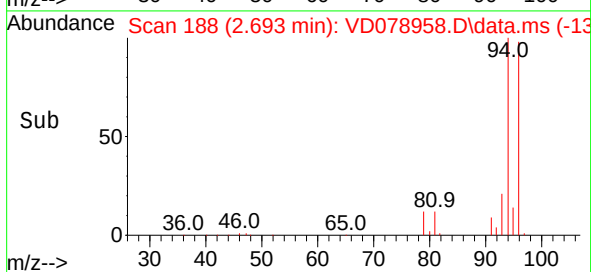
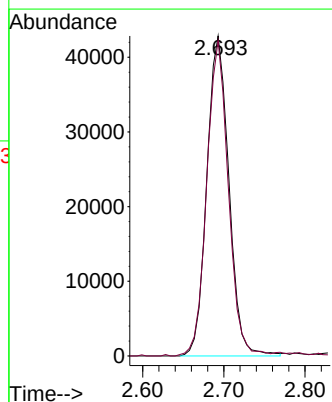
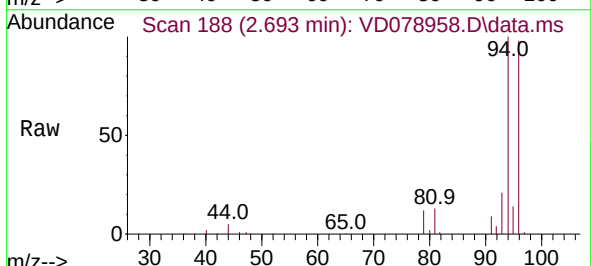
Instrument :
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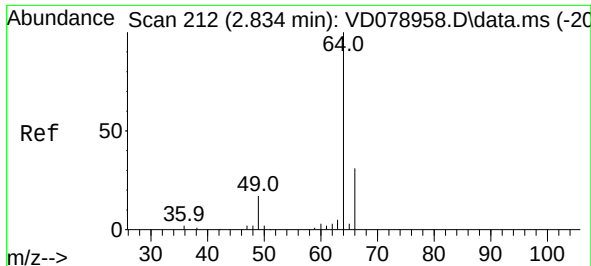
Tgt Ion: 62 Resp: 119239
 Ion Ratio Lower Upper
 62 100
 64 31.8 22.3 41.3



#6
 Bromomethane
 Concen: 19.731 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. 0.000 min
 Lab File: VD078958.D
 Acq: 17 May 2024 10:33

Tgt Ion: 94 Resp: 80902
 Ion Ratio Lower Upper
 94 100
 96 98.5 69.0 128.1

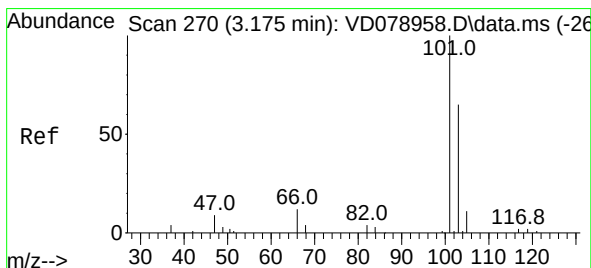
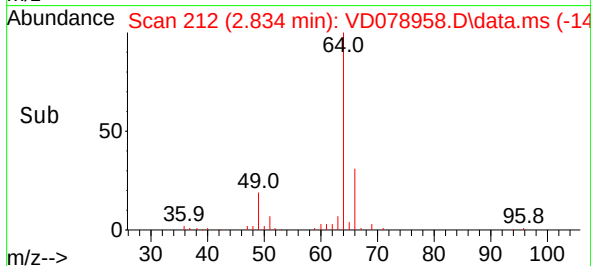
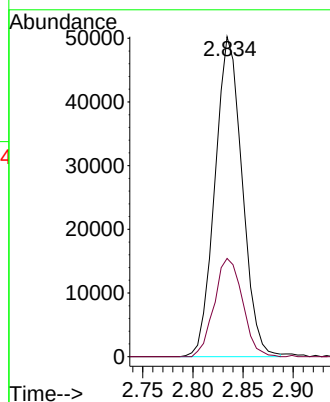
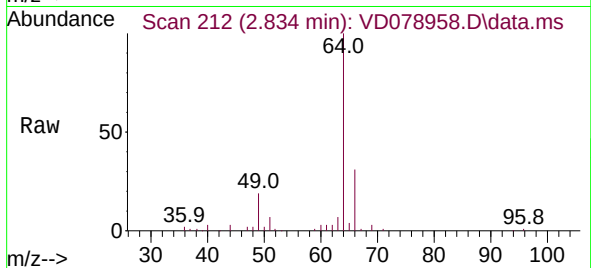




#8
Chloroethane
Concen: 21.429 ug/L
RT: 2.834 min Scan# 212
Delta R.T. 0.000 min
Lab File: VD078958.D
Acq: 17 May 2024 10:33

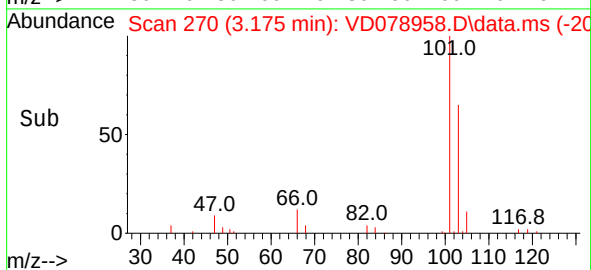
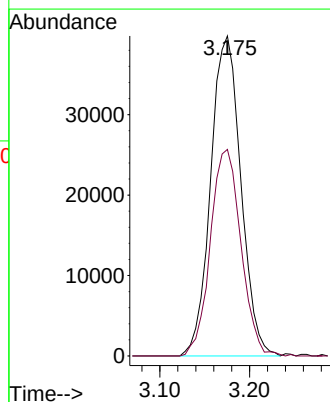
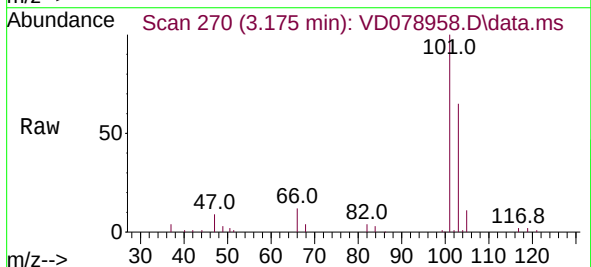
Instrument :
MSVOA_D
ClientSampleId :

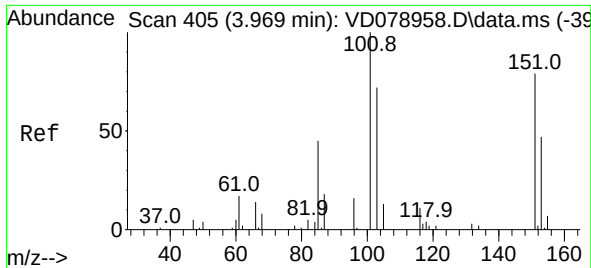
Tgt Ion: 64 Resp: 94888
Ion Ratio Lower Upper
64 100
66 30.7 21.5 39.9



#9
Trichlorofluoromethane
Concen: 20.788 ug/L
RT: 3.175 min Scan# 270
Delta R.T. 0.000 min
Lab File: VD078958.D
Acq: 17 May 2024 10:33

Tgt Ion:101 Resp: 92956
Ion Ratio Lower Upper
101 100
103 64.9 51.9 77.9





#10

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

Concen: 21.332 ug/L

RT: 3.969 min Scan# 405

Delta R.T. 0.000 min

Lab File: VD078958.D

Acq: 17 May 2024 10:33

Instrument :

MSVOA_D

ClientSampleId :

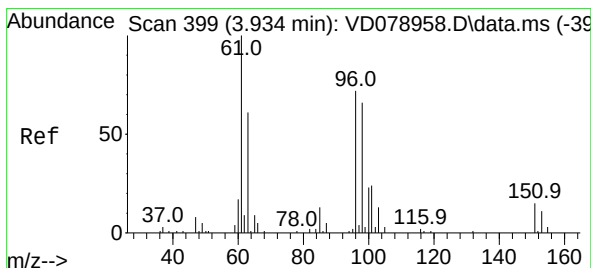
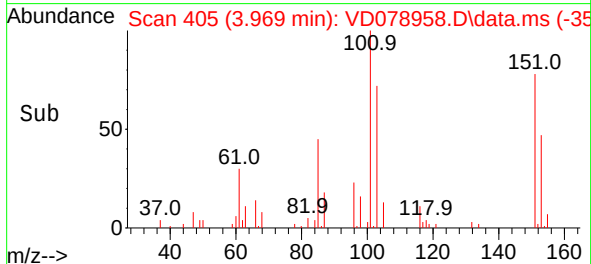
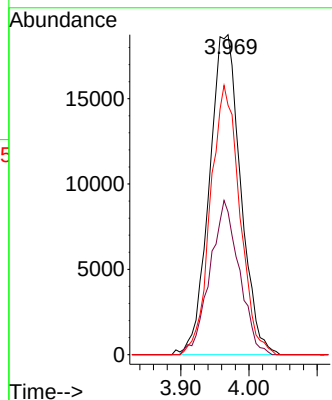
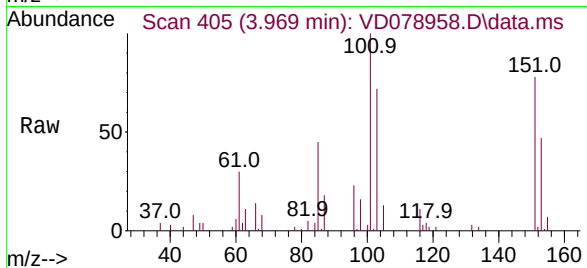
Tgt Ion:101 Resp: 59869

Ion Ratio Lower Upper

101 100

85 45.2 36.2 54.2

151 78.6 62.9 94.3



#12

1,1-Dichloroethene

Concen: 20.313 ug/L

RT: 3.934 min Scan# 399

Delta R.T. 0.000 min

Lab File: VD078958.D

Acq: 17 May 2024 10:33

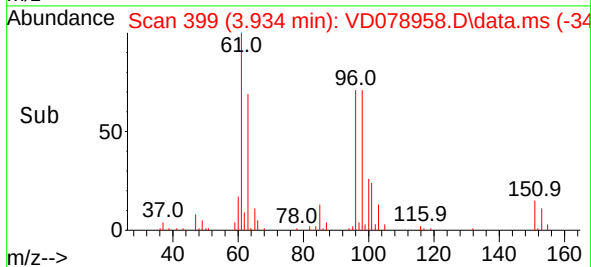
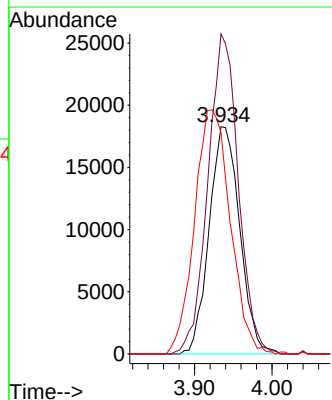
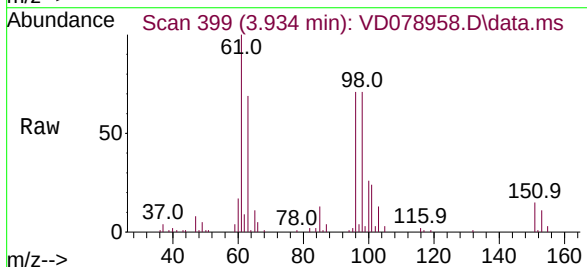
Tgt Ion: 96 Resp: 50134

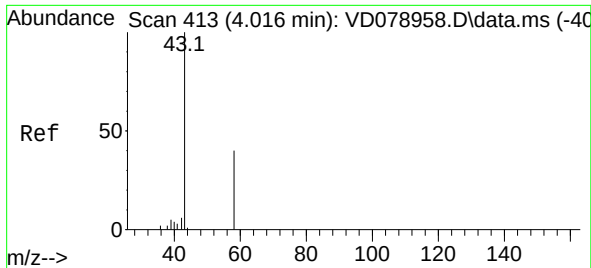
Ion Ratio Lower Upper

96 100

61 140.8 98.6 183.0

63 97.5 68.3 126.8





#13

Acetone

Concen: 43.433 ug/L

RT: 4.016 min Scan# 413

Delta R.T. 0.000 min

Lab File: VD078958.D

Acq: 17 May 2024 10:33

Instrument :

MSVOA_D

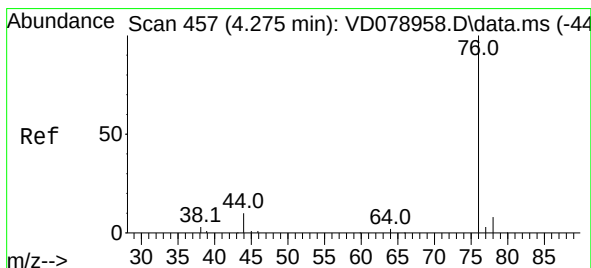
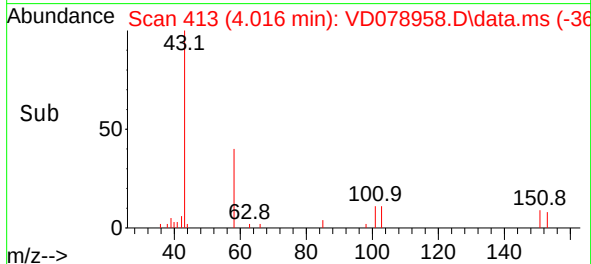
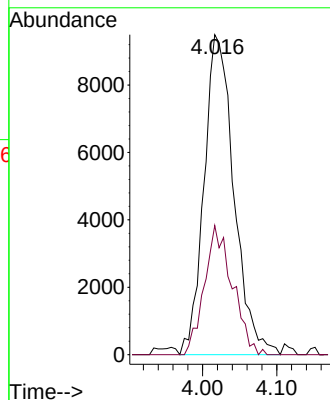
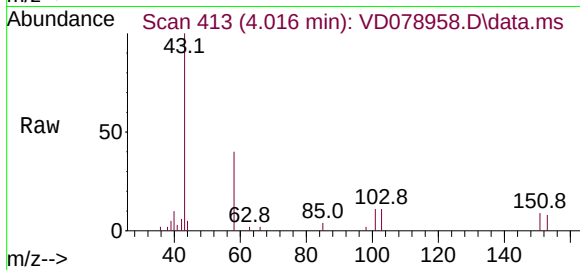
ClientSampleId :

Tgt Ion: 43 Resp: 26576

Ion Ratio Lower Upper

43 100

58 37.5 0.0 75.0



#14

Carbon disulfide

Concen: 18.925 ug/L

RT: 4.275 min Scan# 457

Delta R.T. 0.000 min

Lab File: VD078958.D

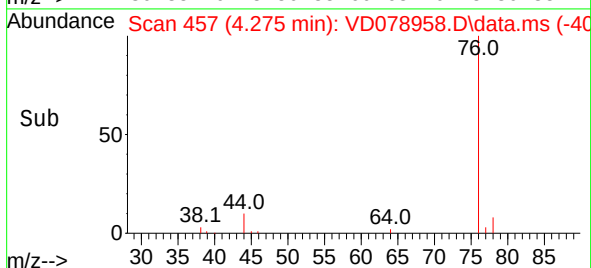
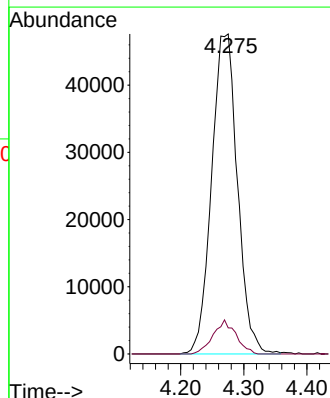
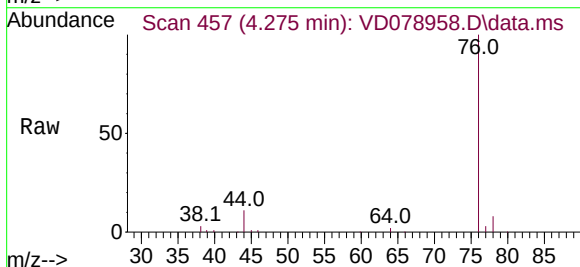
Acq: 17 May 2024 10:33

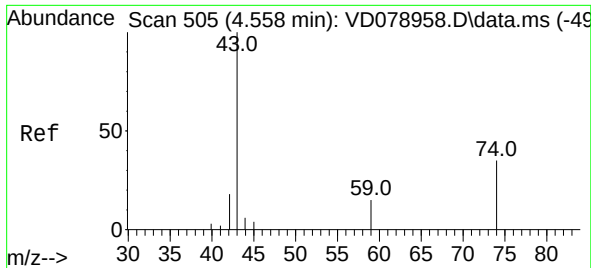
Tgt Ion: 76 Resp: 135351

Ion Ratio Lower Upper

76 100

78 8.1 6.5 9.7

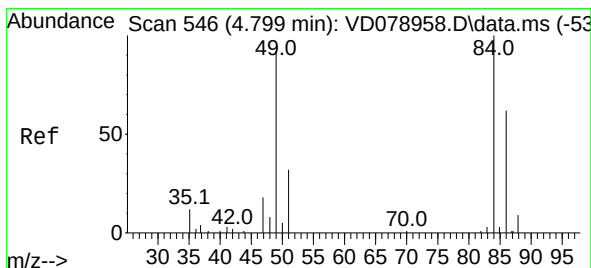
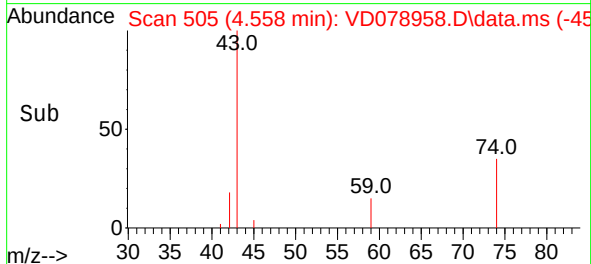
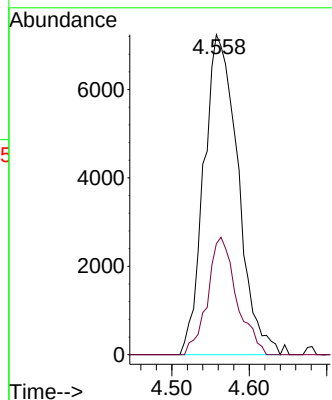
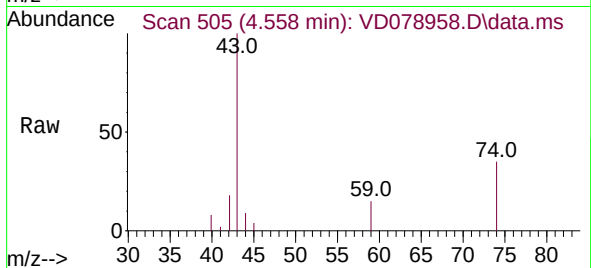




#15
Methyl Acetate
Concen: 21.909 ug/L
RT: 4.558 min Scan# 505
Delta R.T. 0.000 min
Lab File: VD078958.D
Acq: 17 May 2024 10:33

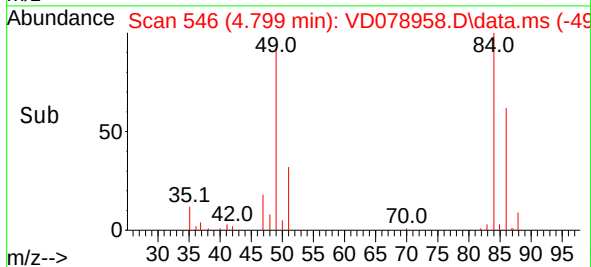
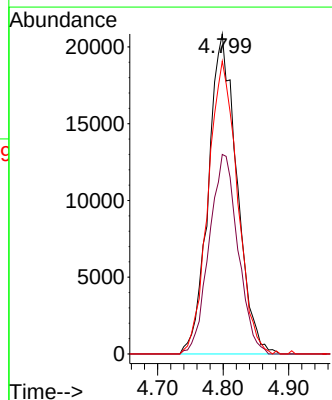
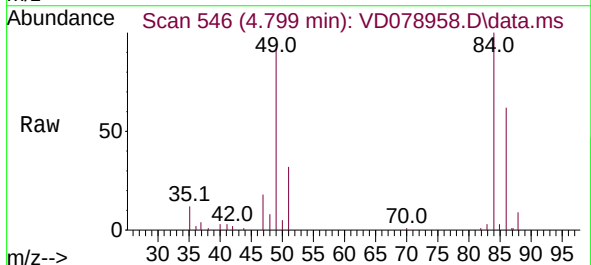
Instrument :
MSVOA_D
ClientSampleId :

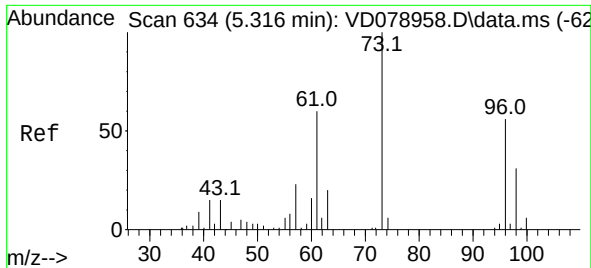
Tgt Ion: 43 Resp: 22124
Ion Ratio Lower Upper
43 100
74 31.4 25.1 37.7



#16
Methylene chloride
Concen: 18.653 ug/L
RT: 4.799 min Scan# 546
Delta R.T. 0.000 min
Lab File: VD078958.D
Acq: 17 May 2024 10:33

Tgt Ion: 84 Resp: 63068
Ion Ratio Lower Upper
84 100
86 62.4 43.7 81.1
49 91.5 64.0 119.0

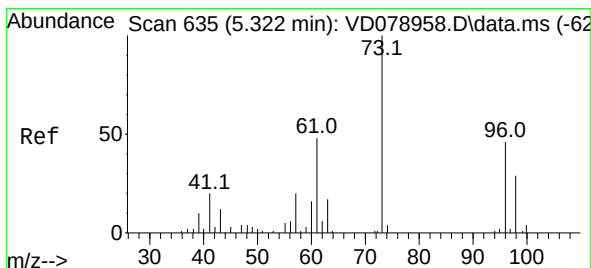
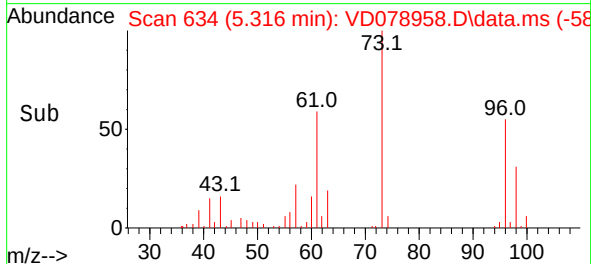
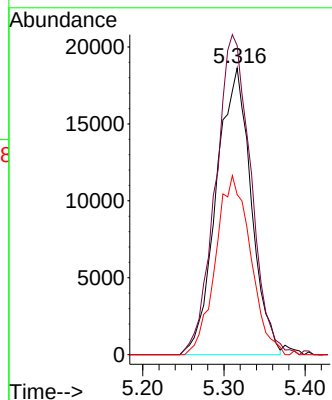
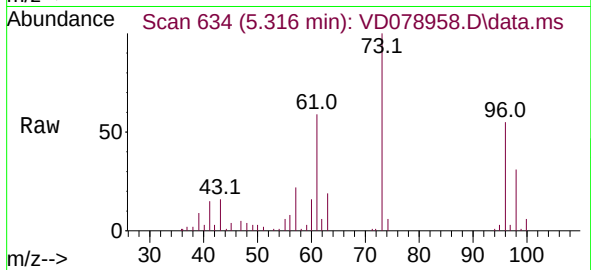




#17
trans-1,2-Dichloroethene
Concen: 22.104 ug/L
RT: 5.316 min Scan# 61
Delta R.T. 0.000 min
Lab File: VD078958.D
Acq: 17 May 2024 10:33

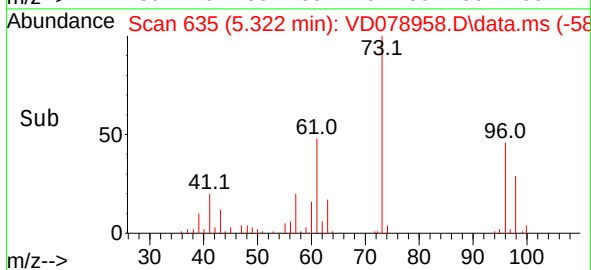
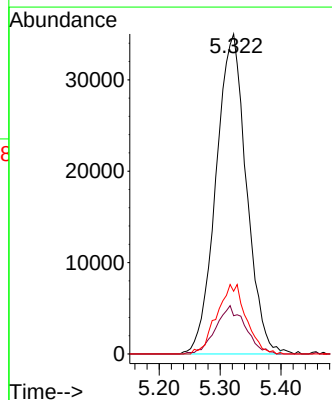
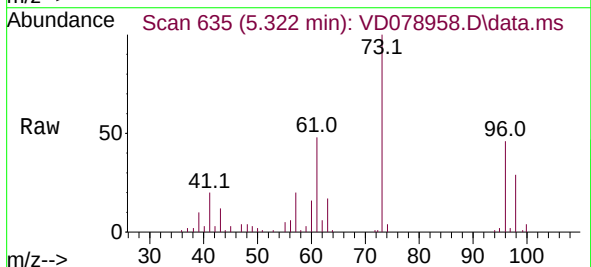
Instrument :
MSVOA_D
ClientSampleId :

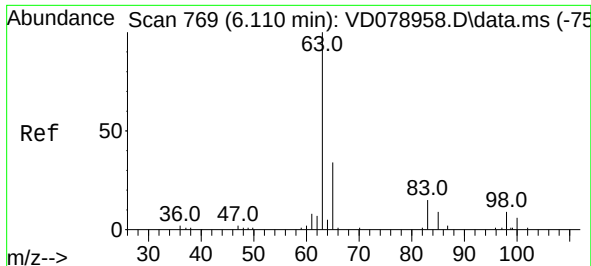
Tgt Ion: 96 Resp: 55548
Ion Ratio Lower Upper
96 100
61 107.8 75.5 140.1
98 55.9 39.1 72.7



#18
Methyl tert-butyl Ether
Concen: 22.649 ug/L
RT: 5.322 min Scan# 635
Delta R.T. 0.000 min
Lab File: VD078958.D
Acq: 17 May 2024 10:33

Tgt Ion: 73 Resp: 121351
Ion Ratio Lower Upper
73 100
43 8.4 6.7 10.1
57 21.0 16.8 25.2





#19

1,1-Dichloroethane

Concen: 23.368 ug/L

RT: 6.110 min Scan# 769

Delta R.T. 0.000 min

Lab File: VD078958.D

Acq: 17 May 2024 10:33

Instrument :

MSVOA_D

ClientSampleId :

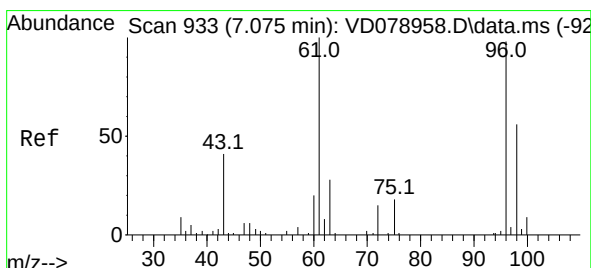
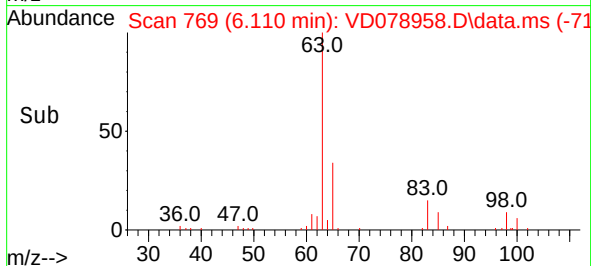
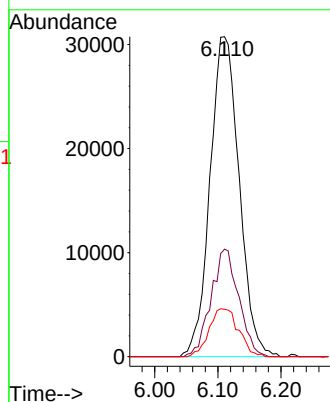
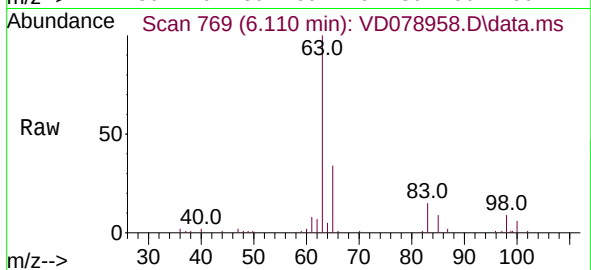
Tgt Ion: 63 Resp: 98633

Ion Ratio Lower Upper

63 100

65 33.6 23.5 43.7

83 14.8 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 22.681 ug/L

RT: 7.075 min Scan# 933

Delta R.T. 0.000 min

Lab File: VD078958.D

Acq: 17 May 2024 10:33

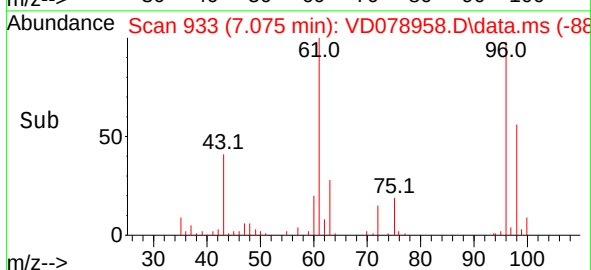
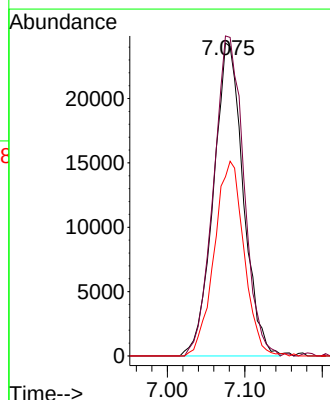
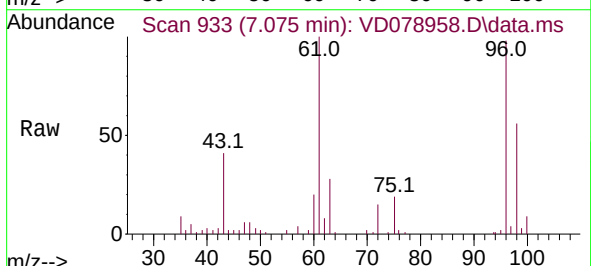
Tgt Ion: 96 Resp: 65011

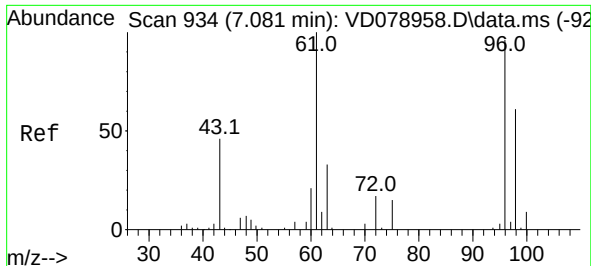
Ion Ratio Lower Upper

96 100

61 102.3 71.6 133.0

98 57.3 40.1 74.5





#22

2-Butanone

Concen: 48.025 ug/L

RT: 7.081 min Scan# 934

Delta R.T. 0.000 min

Lab File: VD078958.D

Acq: 17 May 2024 10:33

Instrument :

MSVOA_D

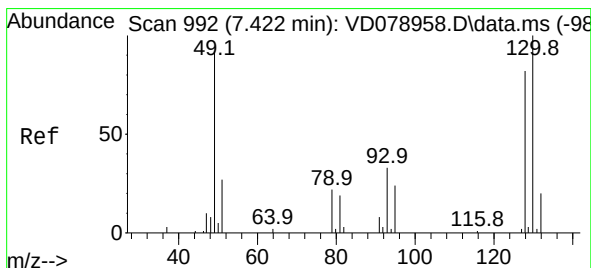
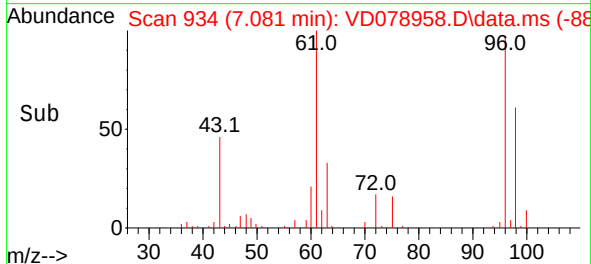
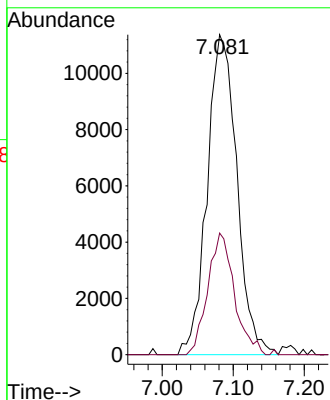
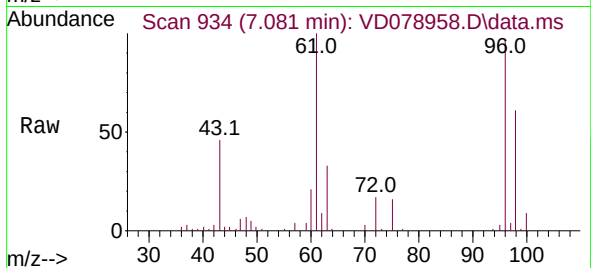
ClientSampleId :

Tgt Ion: 43 Resp: 33034

Ion Ratio Lower Upper

43 100

72 34.1 17.1 51.2



#23

Bromochloromethane

Concen: 22.558 ug/L

RT: 7.422 min Scan# 992

Delta R.T. 0.000 min

Lab File: VD078958.D

Acq: 17 May 2024 10:33

Tgt Ion:128 Resp: 32308

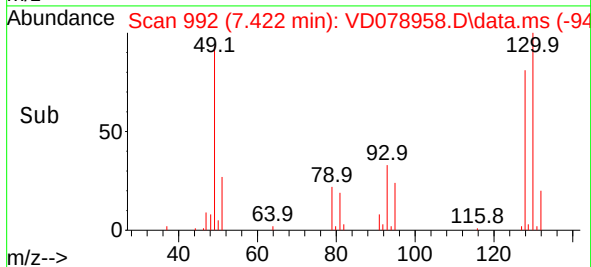
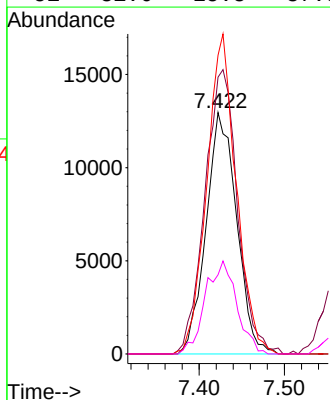
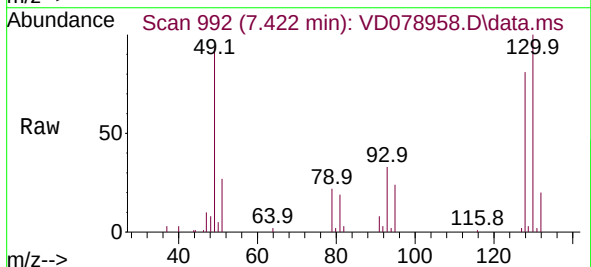
Ion Ratio Lower Upper

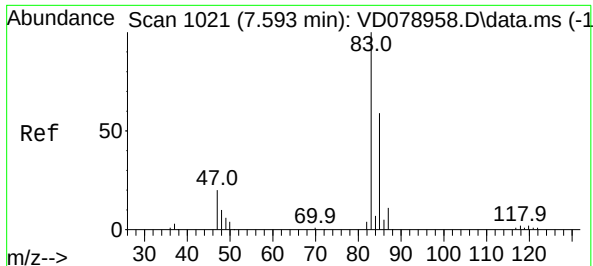
128 100

49 110.4 77.3 143.5

130 119.1 83.4 154.8

51 31.6 25.3 37.9

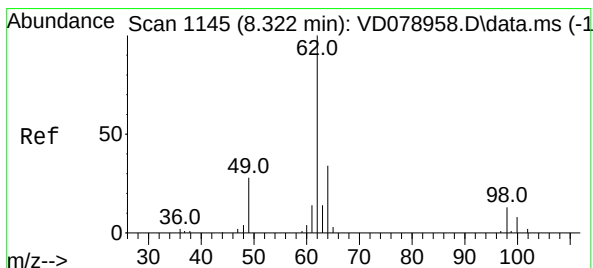
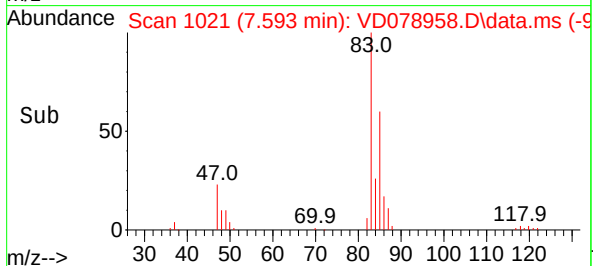
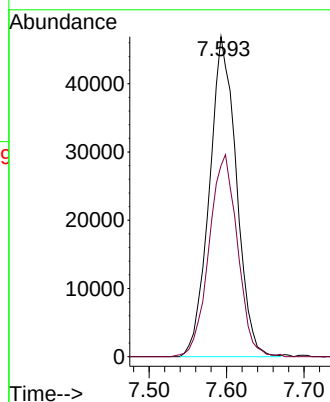
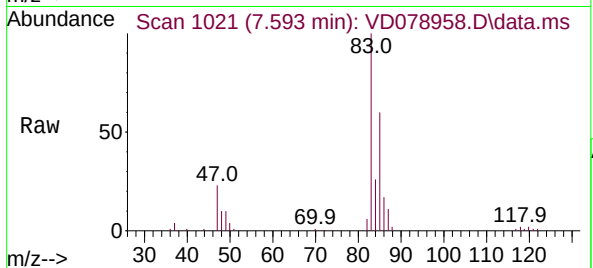




#25
Chloroform
Concen: 22.382 ug/L
RT: 7.593 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VD078958.D
Acq: 17 May 2024 10:33

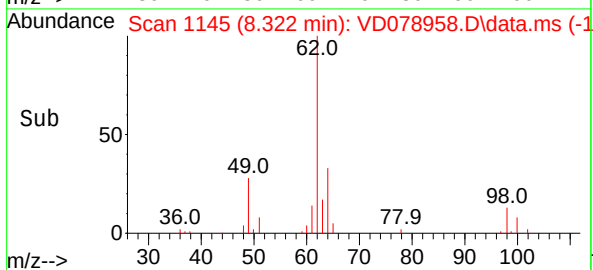
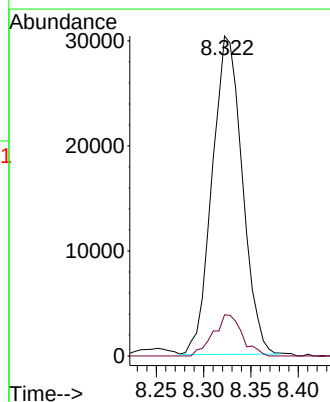
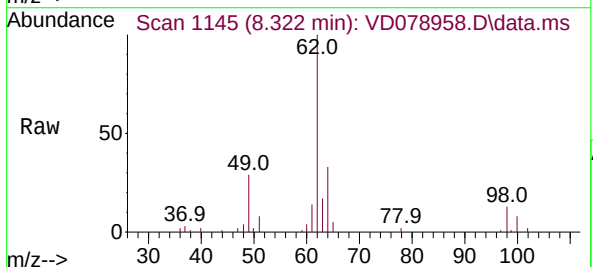
Instrument :
MSVOA_D
ClientSampleId :

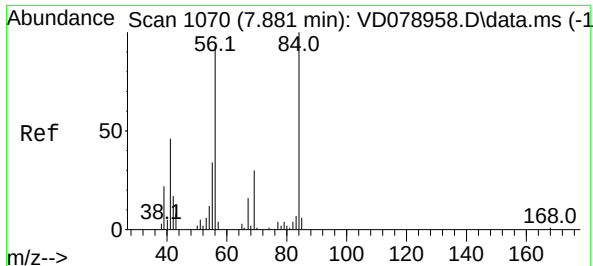
Tgt Ion: 83 Resp: 113554
Ion Ratio Lower Upper
83 100
85 59.7 41.8 77.6



#27
1,2-Dichloroethane
Concen: 22.834 ug/L
RT: 8.322 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VD078958.D
Acq: 17 May 2024 10:33

Tgt Ion: 62 Resp: 67095
Ion Ratio Lower Upper
62 100
98 12.8 10.2 15.4

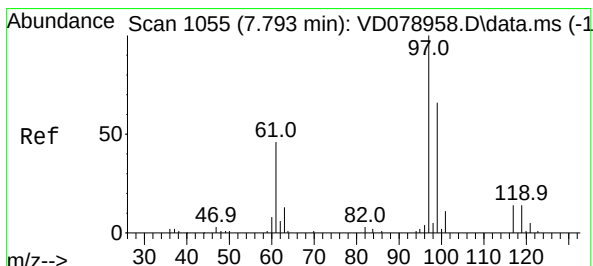
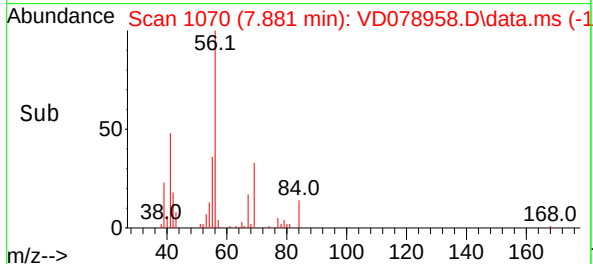
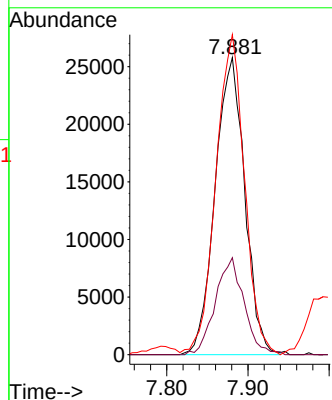
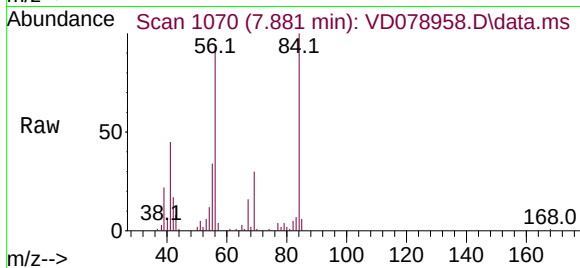




#29
Cyclohexane
Concen: 23.000 ug/L
RT: 7.881 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VD078958.D
Acq: 17 May 2024 10:33

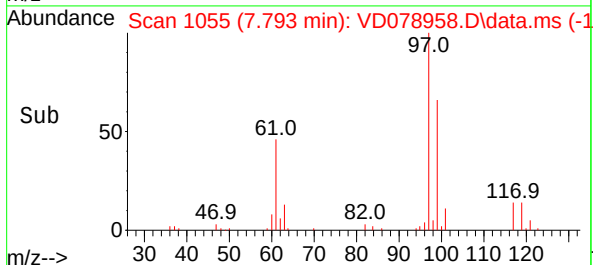
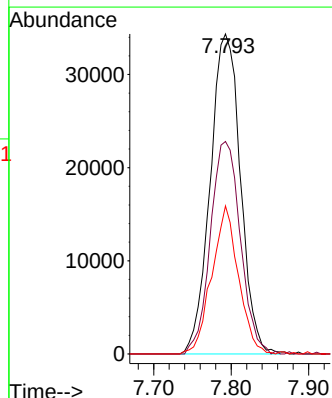
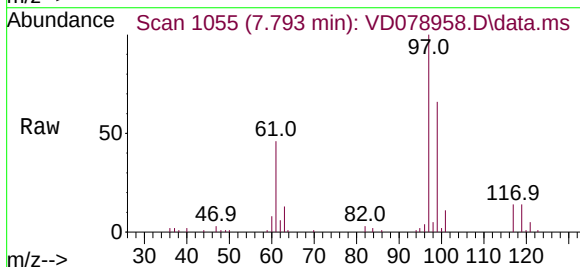
Instrument :
MSVOA_D
ClientSampleId :

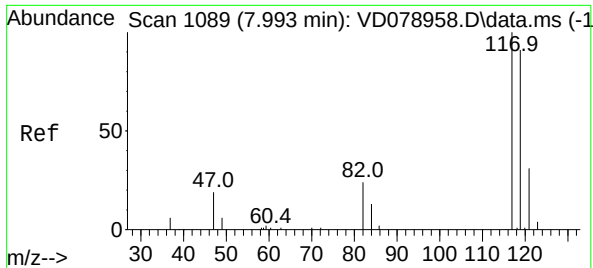
Tgt Ion: 56 Resp: 65316
Ion Ratio Lower Upper
56 100
69 31.5 25.2 37.8
84 104.3 83.4 125.2



#30
1,1,1-Trichloroethane
Concen: 22.788 ug/L
RT: 7.793 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VD078958.D
Acq: 17 May 2024 10:33

Tgt Ion: 97 Resp: 93157
Ion Ratio Lower Upper
97 100
99 65.7 52.6 78.8
61 40.7 32.6 48.8

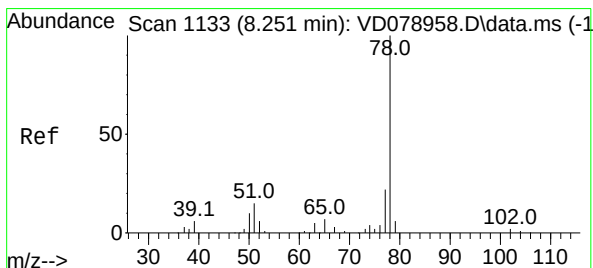
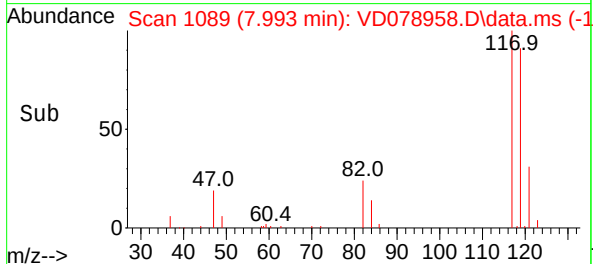
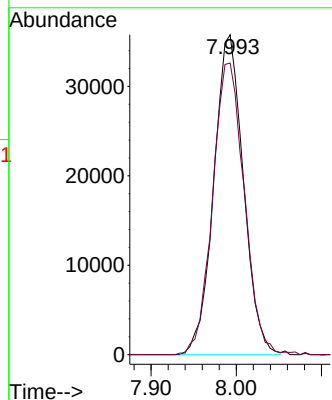
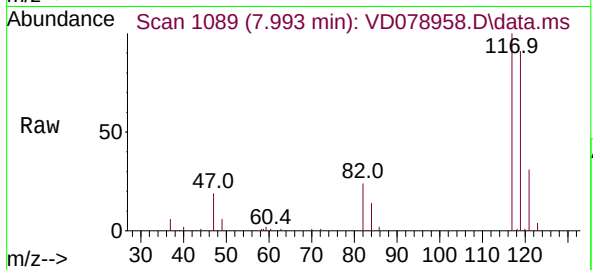




#31
Carbon tetrachloride
Concen: 22.966 ug/L
RT: 7.993 min Scan# 1108
Delta R.T. 0.000 min
Lab File: VD078958.D
Acq: 17 May 2024 10:33

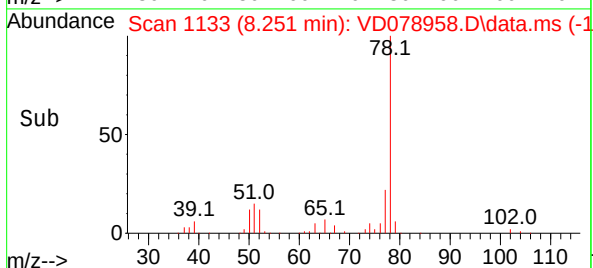
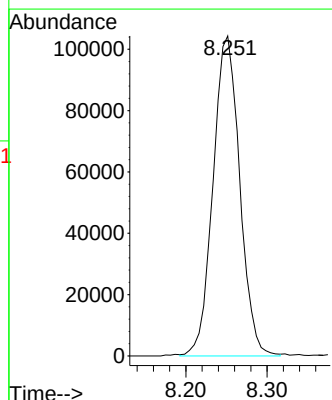
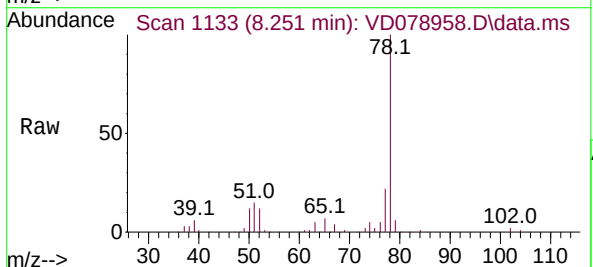
Instrument :
MSVOA_D
ClientSampleId :

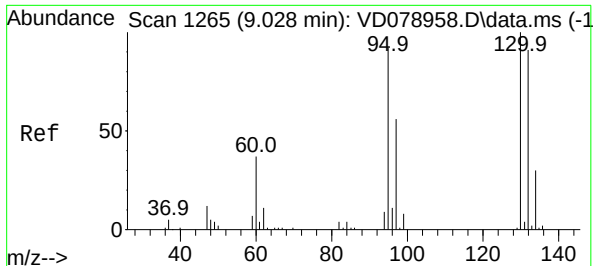
Tgt Ion:117 Resp: 86448
Ion Ratio Lower Upper
117 100
119 97.1 77.7 116.5



#33
Benzene
Concen: 23.539 ug/L
RT: 8.251 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD078958.D
Acq: 17 May 2024 10:33

Tgt Ion: 78 Resp: 238409

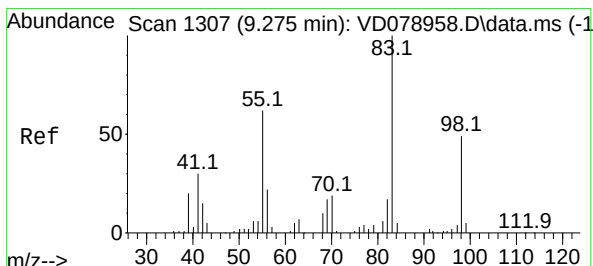
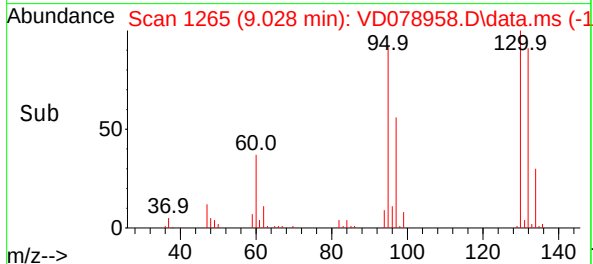
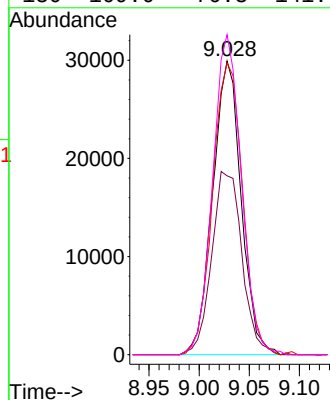
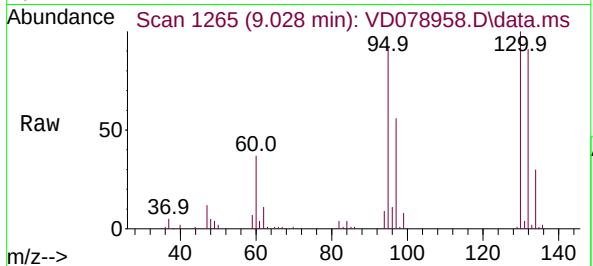




#34
Trichloroethene
Concen: 22.682 ug/L
RT: 9.028 min Scan# 1265
Delta R.T. 0.000 min
Lab File: VD078958.D
Acq: 17 May 2024 10:33

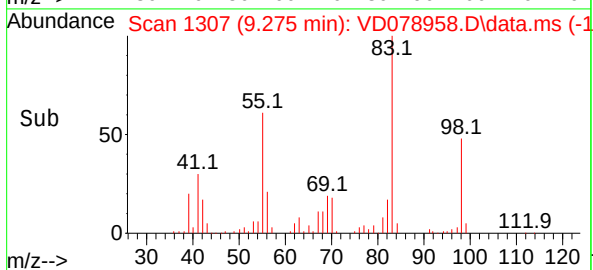
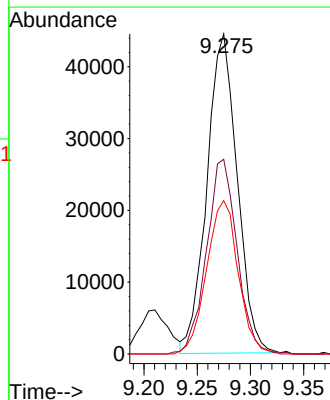
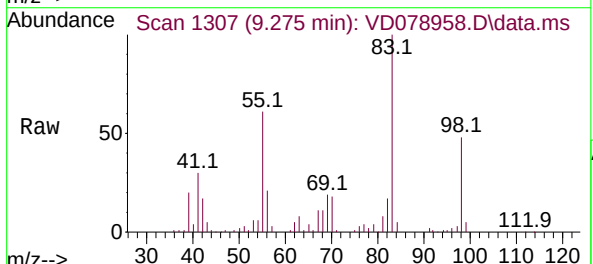
Instrument :
MSVOA_D
ClientSampleId :

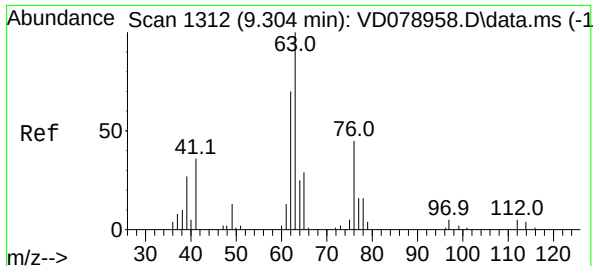
Tgt Ion: 95 Resp: 59184
Ion Ratio Lower Upper
95 100
97 60.9 42.6 79.2
132 99.3 69.5 129.1
130 109.0 76.3 141.7



#35
Methylcyclohexane
Concen: 22.410 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VD078958.D
Acq: 17 May 2024 10:33

Tgt Ion: 83 Resp: 87910
Ion Ratio Lower Upper
83 100
55 61.3 49.0 73.6
98 50.1 40.1 60.1

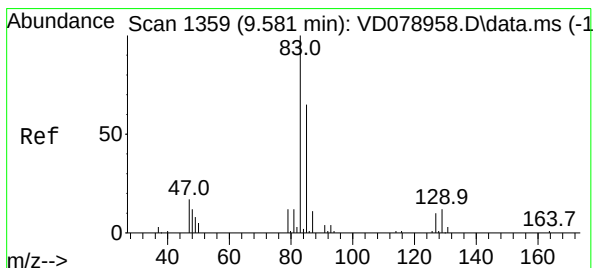
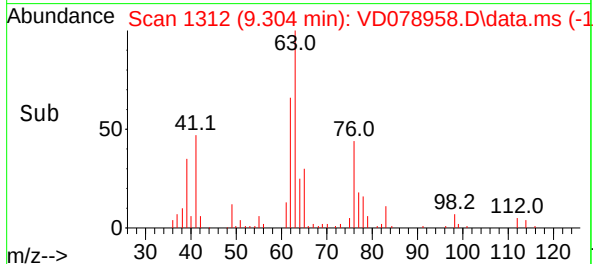
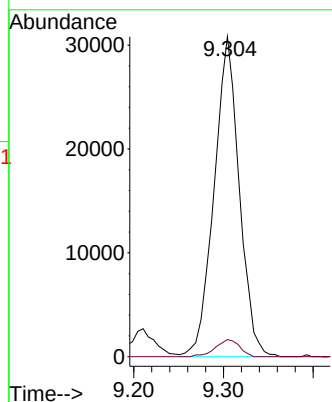
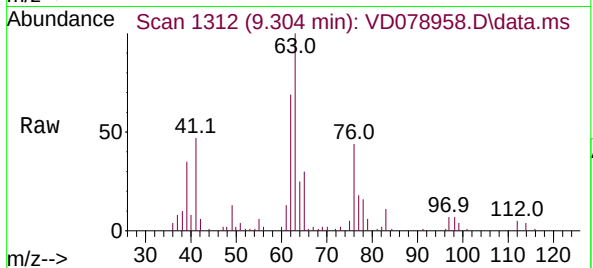




#37
1,2-Dichloropropane
Concen: 23.401 ug/L
RT: 9.304 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VD078958.D
Acq: 17 May 2024 10:33

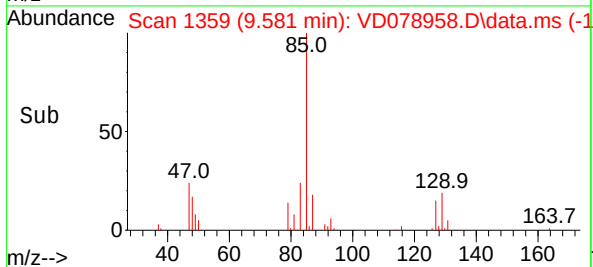
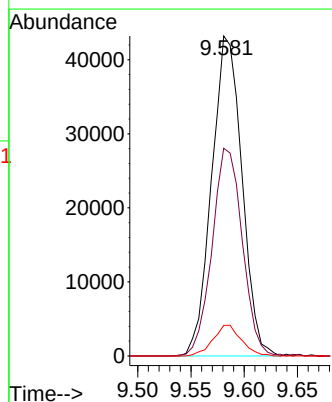
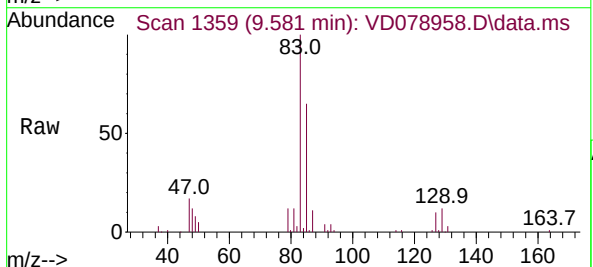
Instrument :
MSVOA_D
ClientSampleId :

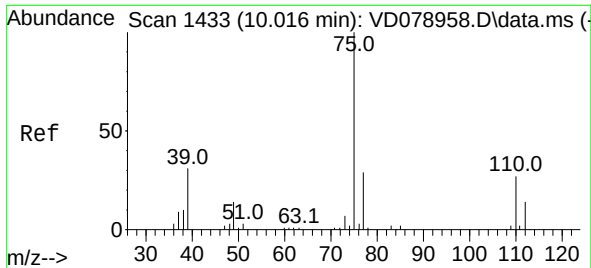
Tgt Ion: 63 Resp: 60063
Ion Ratio Lower Upper
63 100
112 5.1 4.1 6.1



#38
Bromodichloromethane
Concen: 23.506 ug/L
RT: 9.581 min Scan# 1359
Delta R.T. 0.000 min
Lab File: VD078958.D
Acq: 17 May 2024 10:33

Tgt Ion: 83 Resp: 85317
Ion Ratio Lower Upper
83 100
85 64.9 45.4 84.4
127 9.5 7.6 11.4





#39

cis-1,3-Dichloropropene

Concen: 23.385 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. 0.000 min

Lab File: VD078958.D

Acq: 17 May 2024 10:33

Instrument :

MSVOA_D

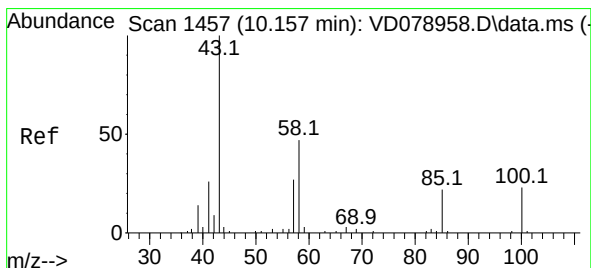
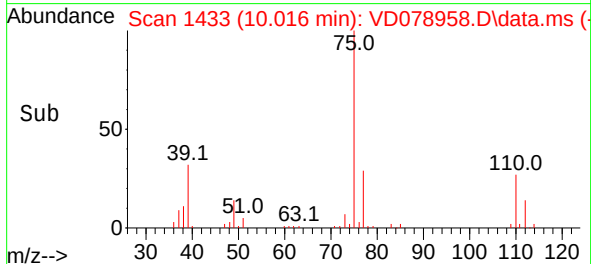
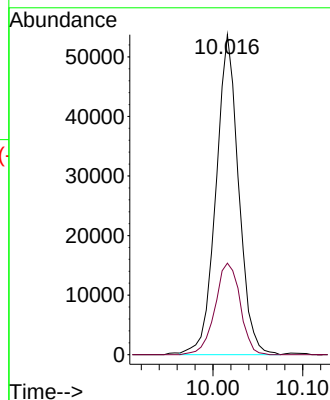
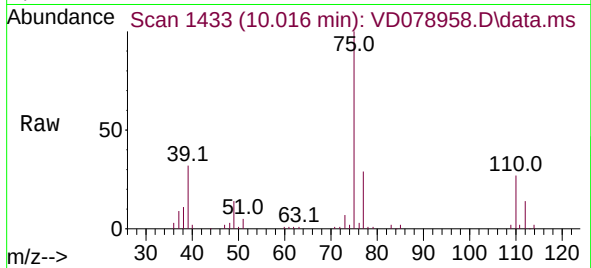
ClientSampleId :

Tgt Ion: 75 Resp: 94160

Ion Ratio Lower Upper

75 100

77 28.6 20.0 37.2



#40

4-Methyl-2-pentanone

Concen: 47.181 ug/L

RT: 10.157 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VD078958.D

Acq: 17 May 2024 10:33

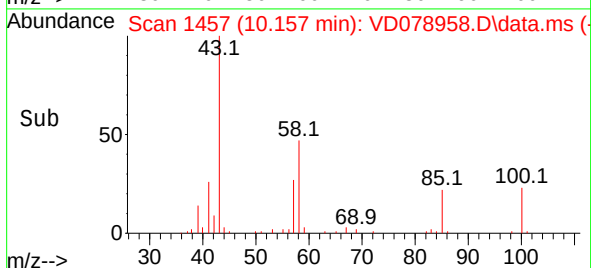
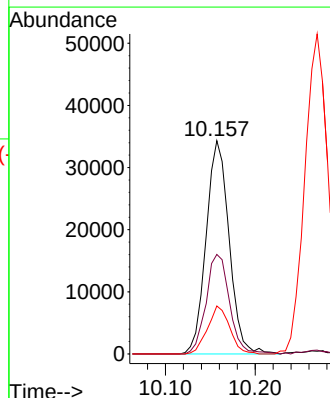
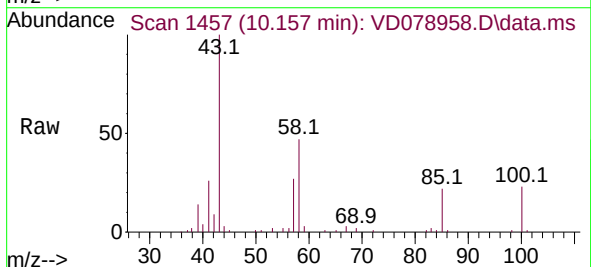
Tgt Ion: 43 Resp: 61170

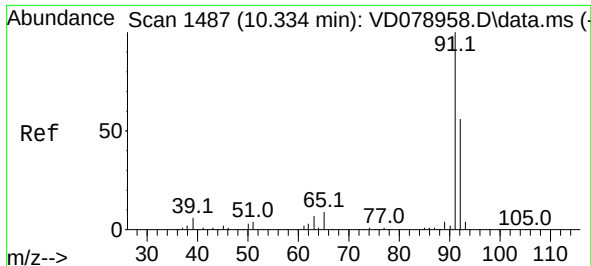
Ion Ratio Lower Upper

43 100

58 47.5 38.0 57.0

100 21.6 17.3 25.9

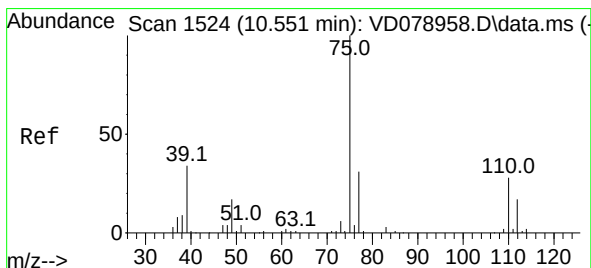
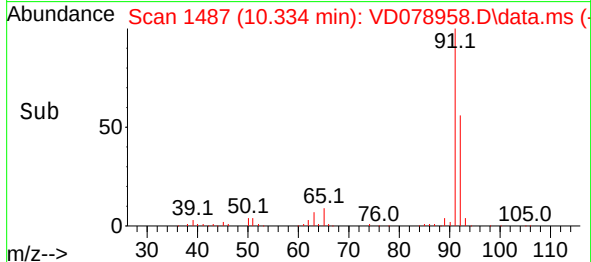
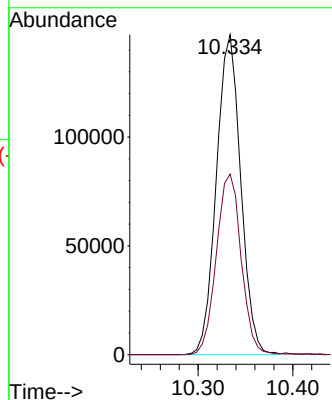
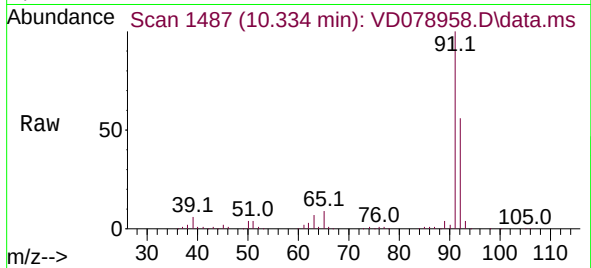




#42
Toluene
Concen: 23.621 ug/L
RT: 10.334 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VD078958.D
Acq: 17 May 2024 10:33

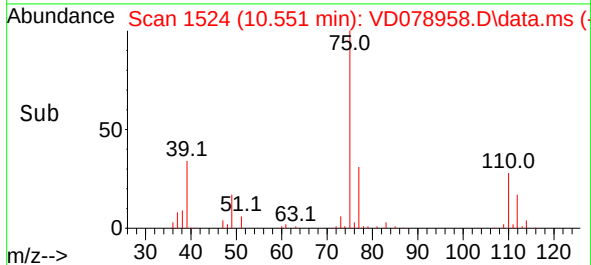
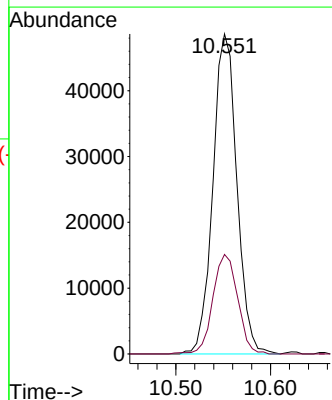
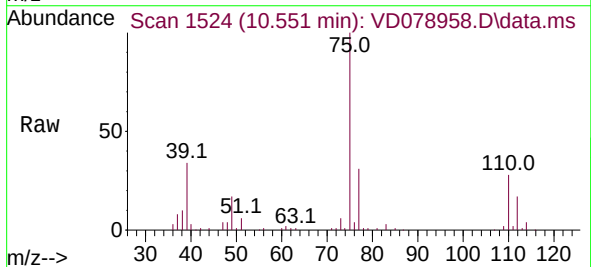
Instrument :
MSVOA_D
ClientSampleId :

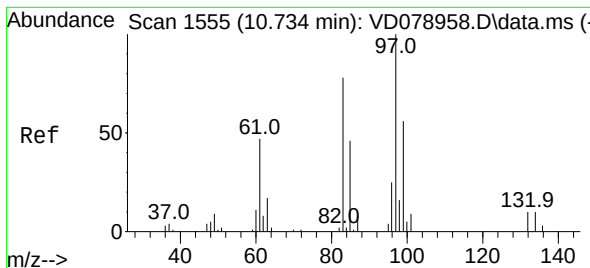
Tgt Ion: 91 Resp: 263026
Ion Ratio Lower Upper
91 100
92 56.5 39.5 73.4



#44
trans-1,3-Dichloropropene
Concen: 24.010 ug/L
RT: 10.551 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VD078958.D
Acq: 17 May 2024 10:33

Tgt Ion: 75 Resp: 85469
Ion Ratio Lower Upper
75 100
77 31.1 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 23.927 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD078958.D

Acq: 17 May 2024 10:33

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 97 Resp: 56159

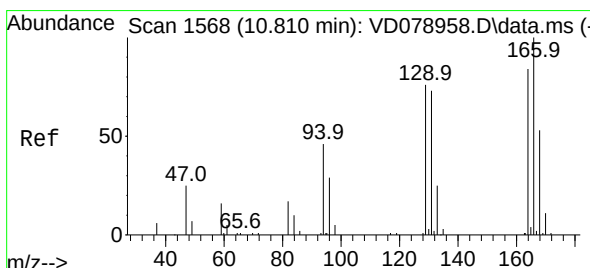
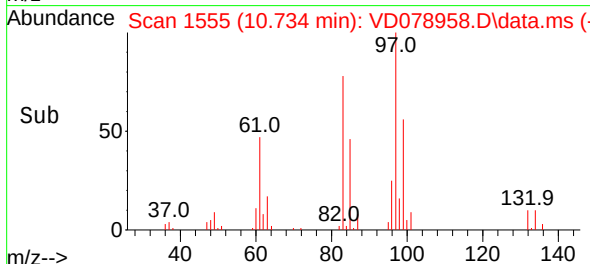
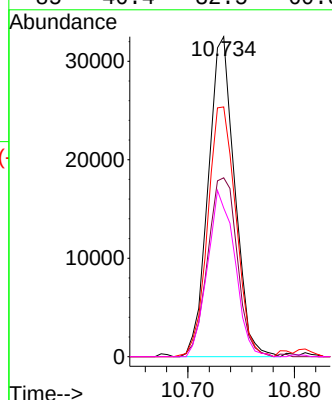
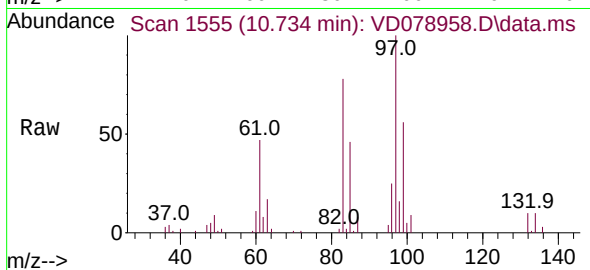
Ion Ratio Lower Upper

97 100

99 55.9 39.1 72.7

83 78.0 54.6 101.4

85 46.4 32.5 60.3



#46

Tetrachloroethene

Concen: 21.489 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD078958.D

Acq: 17 May 2024 10:33

Tgt Ion:164 Resp: 48243

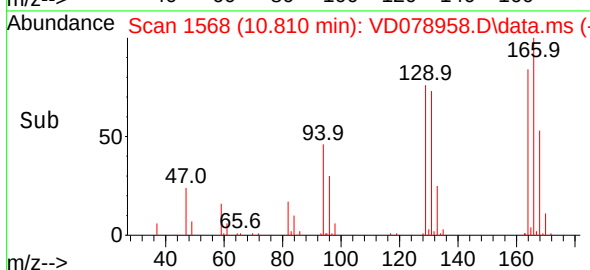
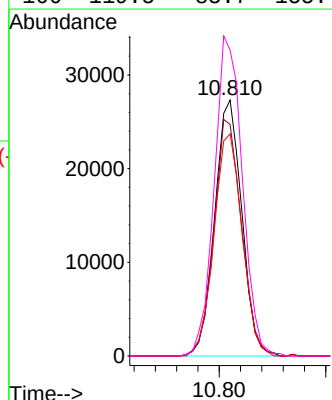
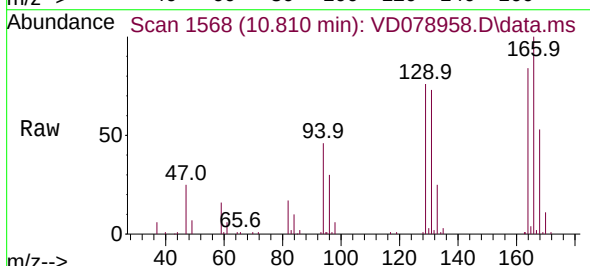
Ion Ratio Lower Upper

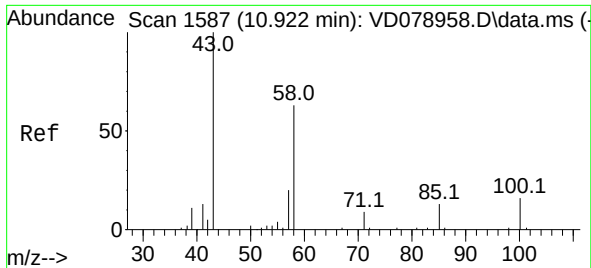
164 100

129 90.5 63.3 117.7

131 86.8 60.8 112.8

166 119.5 83.7 155.4

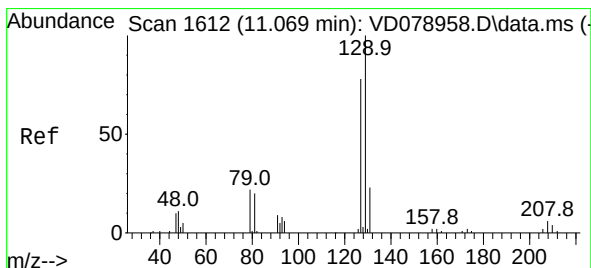
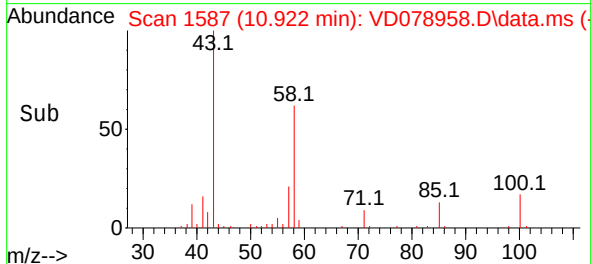
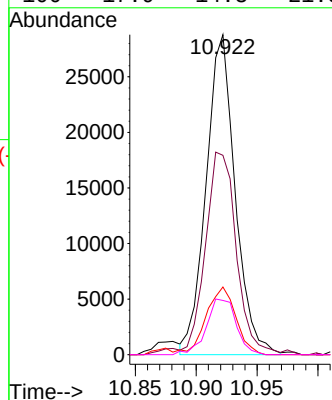
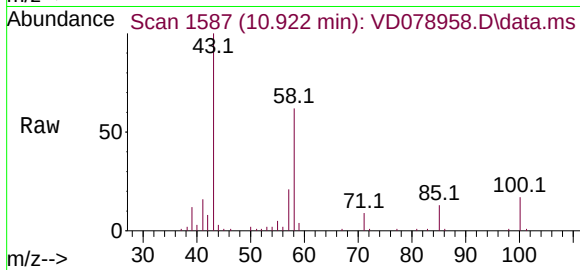




#48
2-Hexanone
Concen: 47.595 ug/L
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD078958.D
Acq: 17 May 2024 10:33

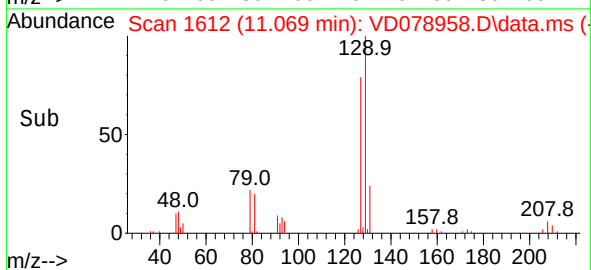
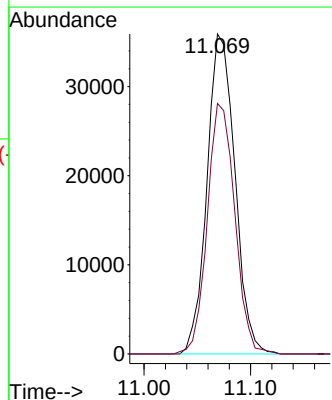
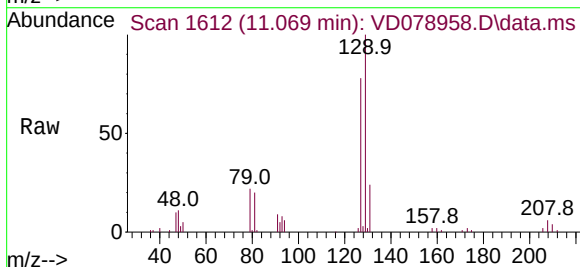
Instrument :
MSVOA_D
ClientSampleId :

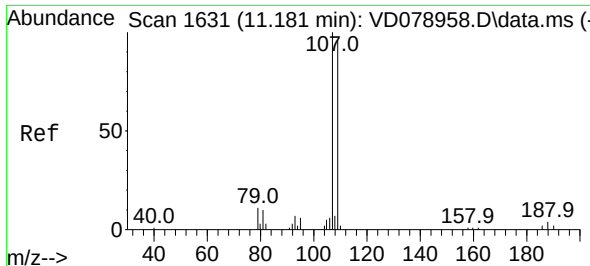
Tgt Ion: 43 Resp: 47836
Ion Ratio Lower Upper
43 100
58 66.8 53.4 80.2
57 21.2 17.0 25.4
100 17.9 14.3 21.5



#49
Dibromochloromethane
Concen: 22.913 ug/L
RT: 11.069 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VD078958.D
Acq: 17 May 2024 10:33

Tgt Ion: 129 Resp: 65381
Ion Ratio Lower Upper
129 100
127 78.3 54.8 101.8





#50

1,2-Dibromoethane

Concen: 22.943 ug/L

RT: 11.181 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD078958.D

Acq: 17 May 2024 10:33

Instrument :

MSVOA_D

ClientSampleId :

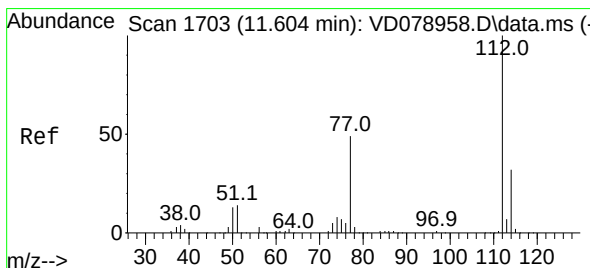
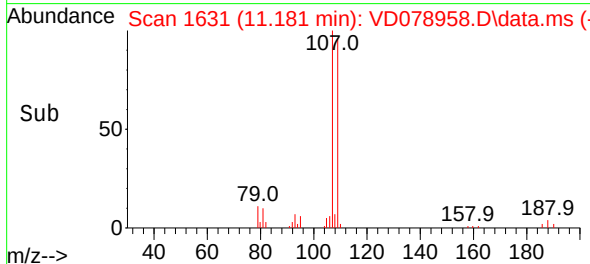
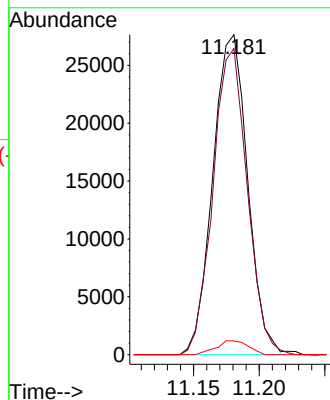
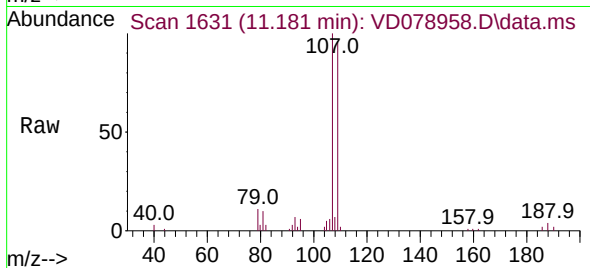
Tgt Ion:107 Resp: 50867

Ion Ratio Lower Upper

107 100

109 95.7 67.0 124.4

188 4.3 3.4 5.2



#51

Chlorobenzene

Concen: 22.613 ug/L

RT: 11.604 min Scan# 1703

Delta R.T. 0.000 min

Lab File: VD078958.D

Acq: 17 May 2024 10:33

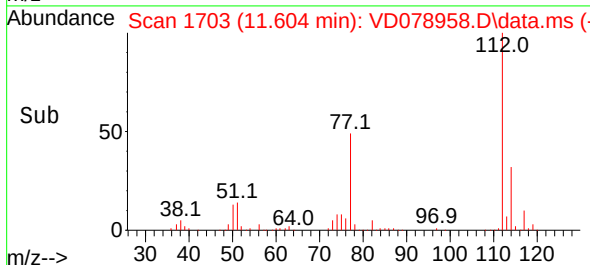
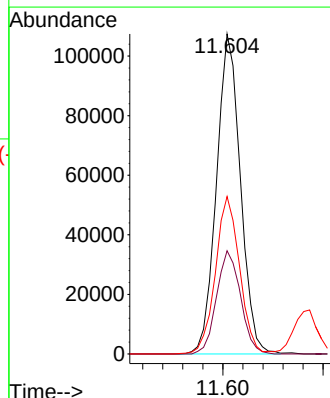
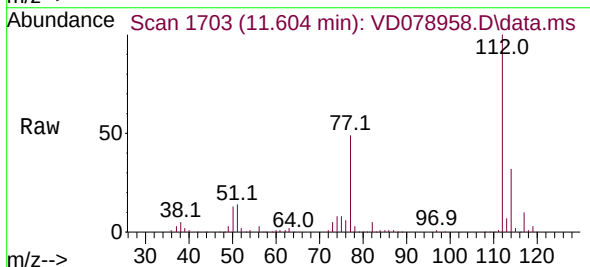
Tgt Ion:112 Resp: 177896

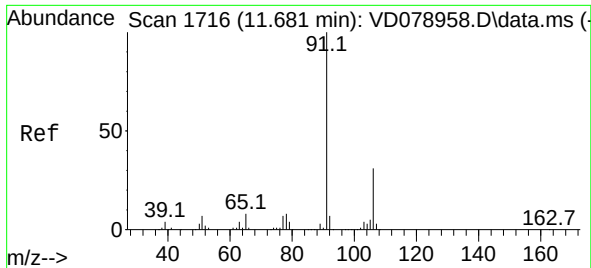
Ion Ratio Lower Upper

112 100

114 32.2 22.5 41.9

77 49.2 39.4 59.0

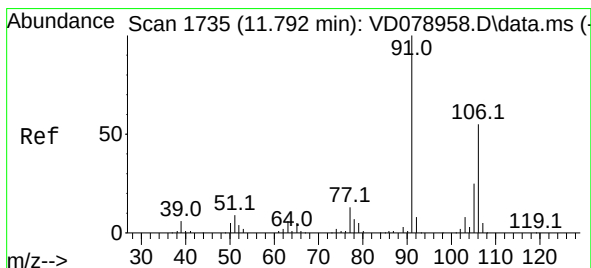
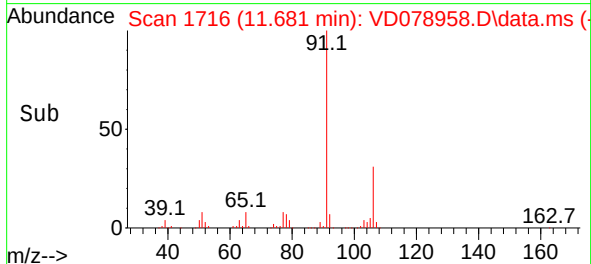
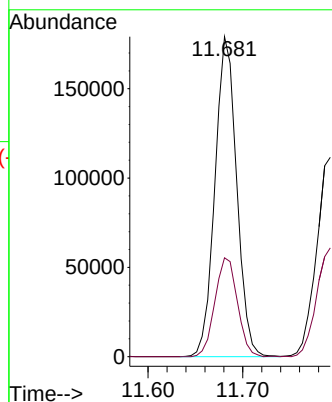
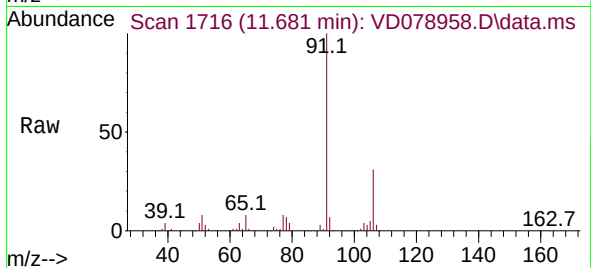




#52
Ethylbenzene
Concen: 23.771 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VD078958.D
Acq: 17 May 2024 10:33

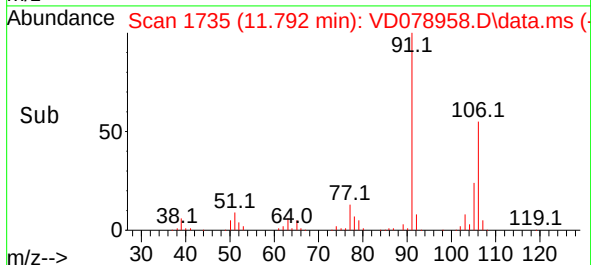
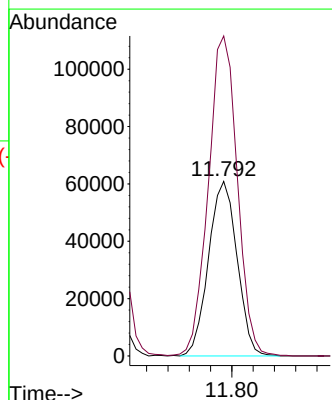
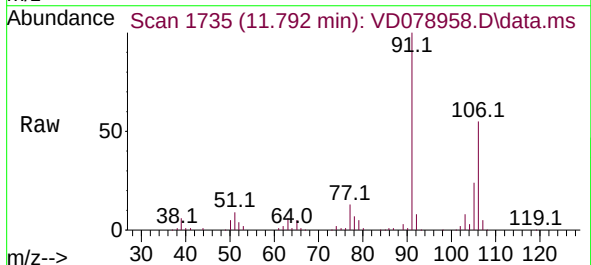
Instrument :
MSVOA_D
ClientSampleId :

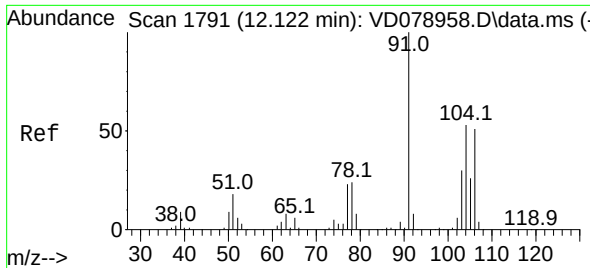
Tgt Ion: 91 Resp: 285676
Ion Ratio Lower Upper
91 100
106 30.9 21.6 40.2



#53
m,p-Xylene
Concen: 23.595 ug/L
RT: 11.792 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD078958.D
Acq: 17 May 2024 10:33

Tgt Ion:106 Resp: 113441
Ion Ratio Lower Upper
106 100
91 183.3 128.3 238.3

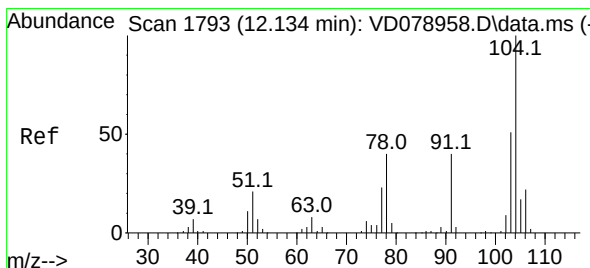
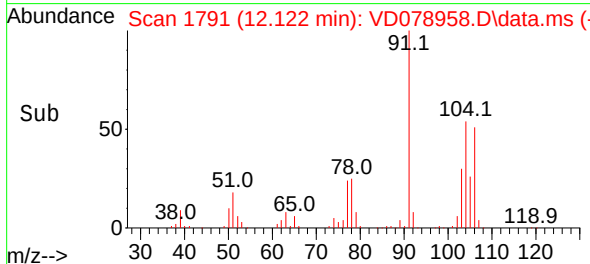
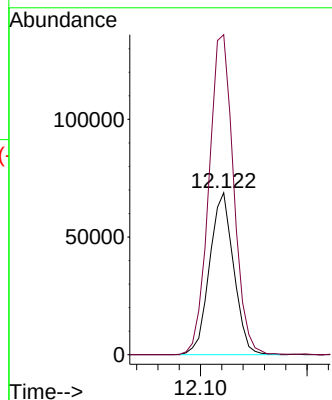
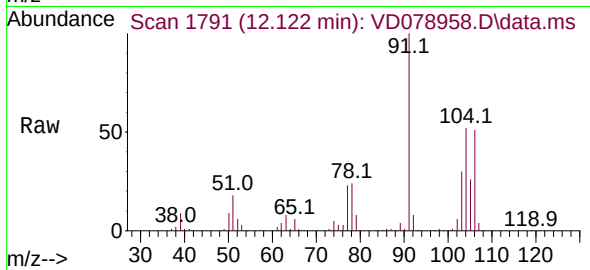




#54
o-Xylene
Concen: 23.112 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD078958.D
Acq: 17 May 2024 10:33

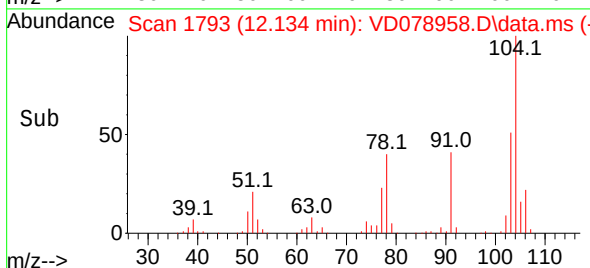
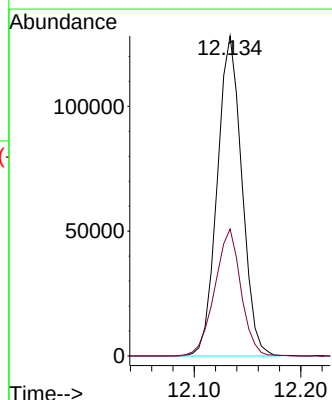
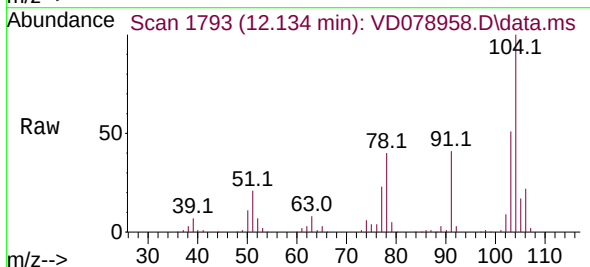
Instrument :
MSVOA_D
ClientSampleId :

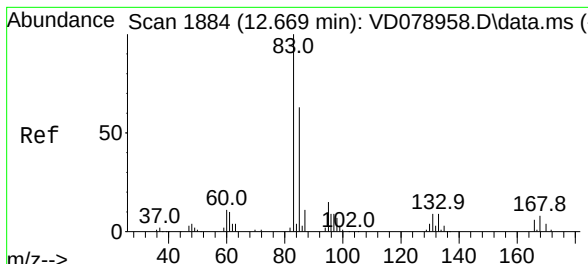
Tgt Ion:106 Resp: 108226
Ion Ratio Lower Upper
106 100
91 197.6 138.3 256.9



#55
Styrene
Concen: 24.870 ug/L
RT: 12.134 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD078958.D
Acq: 17 May 2024 10:33

Tgt Ion:104 Resp: 205798
Ion Ratio Lower Upper
104 100
78 39.7 27.8 51.6

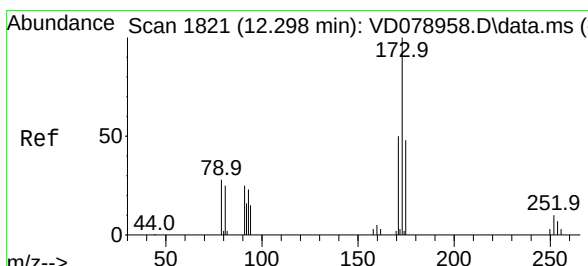
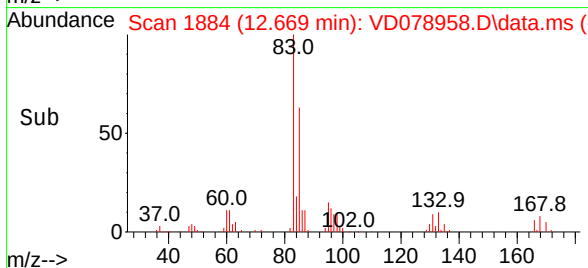
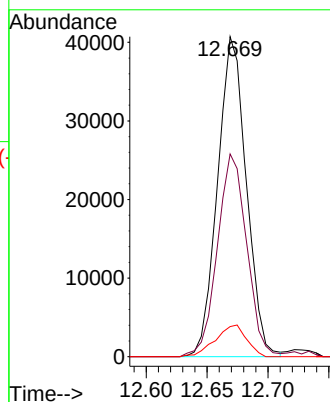
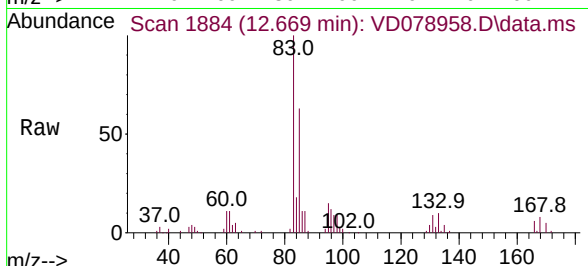




#57
1,1,2,2-Tetrachloroethane
Concen: 23.491 ug/L
RT: 12.669 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VD078958.D
Acq: 17 May 2024 10:33

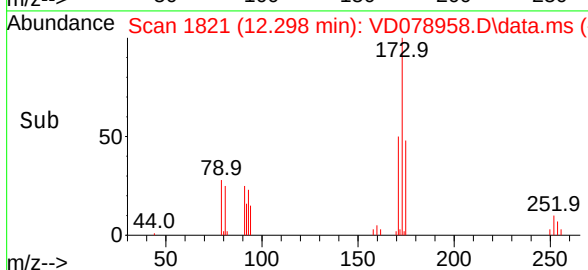
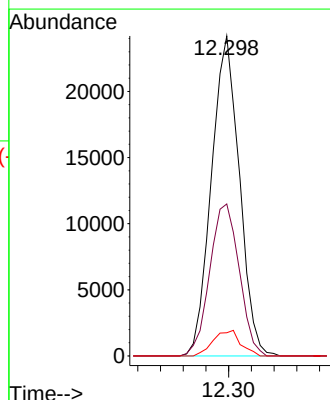
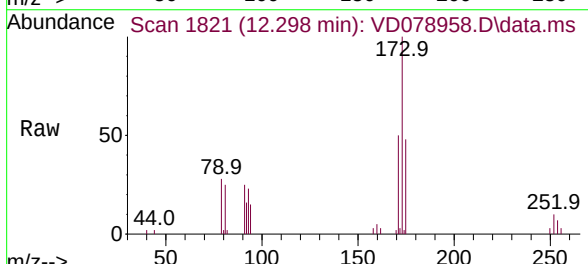
Instrument :
MSVOA_D
ClientSampleId :

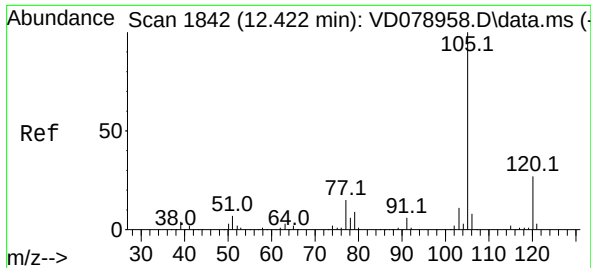
Tgt Ion: 83 Resp: 66873
Ion Ratio Lower Upper
83 100
85 63.3 44.3 82.3
131 9.4 7.5 11.3



#59
Bromoform
Concen: 22.144 ug/L
RT: 12.298 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD078958.D
Acq: 17 May 2024 10:33

Tgt Ion:173 Resp: 41349
Ion Ratio Lower Upper
173 100
175 50.0 40.0 60.0
254 7.9 6.3 9.5

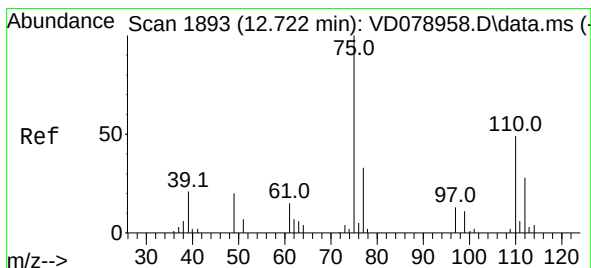
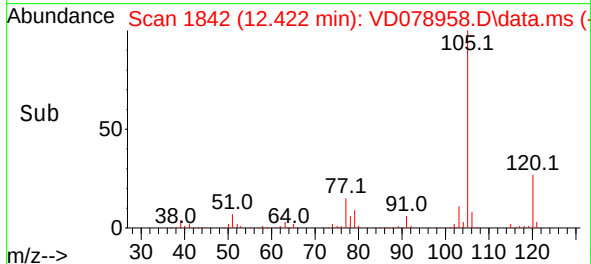
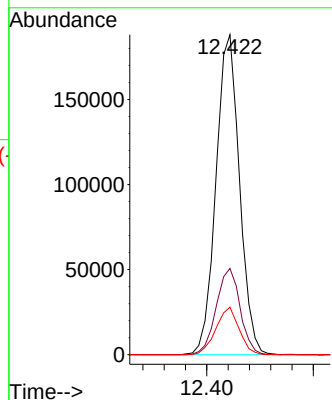
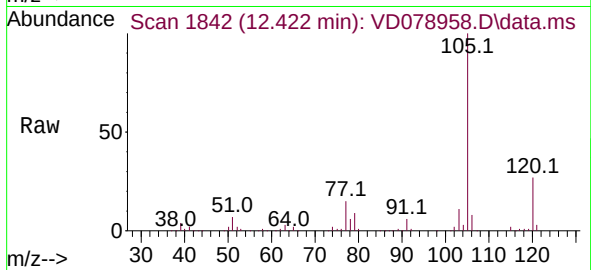




#60
Isopropylbenzene
Concen: 23.612 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD078958.D
Acq: 17 May 2024 10:33

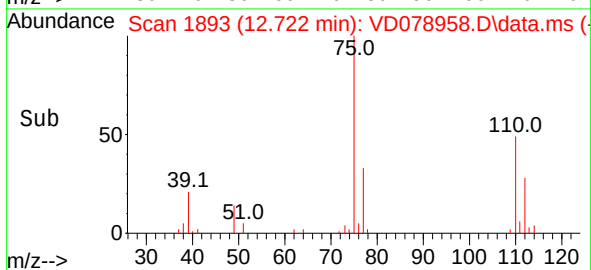
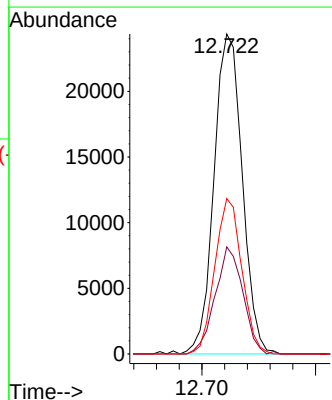
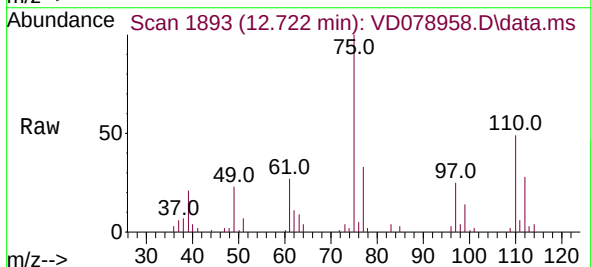
Instrument :
MSVOA_D
ClientSampleId :

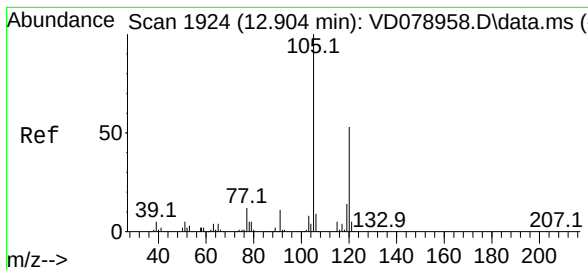
Tgt Ion:105 Resp: 287998
Ion Ratio Lower Upper
105 100
120 27.3 21.8 32.8
77 14.6 11.7 17.5



#61
1,2,3-Trichloropropane
Concen: 22.246 ug/L
RT: 12.722 min Scan# 1893
Delta R.T. 0.000 min
Lab File: VD078958.D
Acq: 17 May 2024 10:33

Tgt Ion: 75 Resp: 42071
Ion Ratio Lower Upper
75 100
77 32.7 26.2 39.2
110 46.4 37.1 55.7

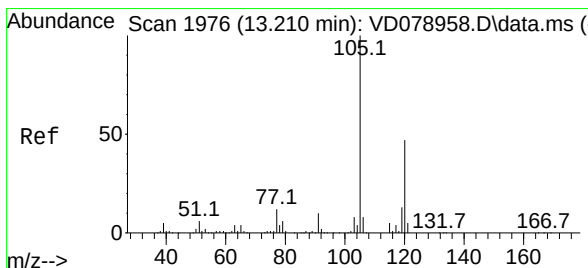
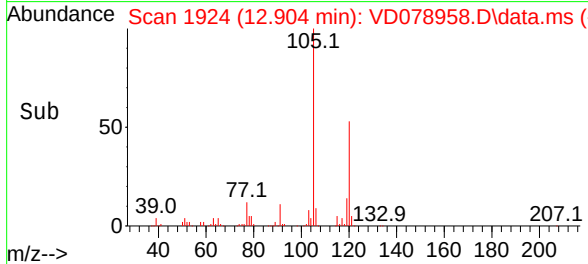
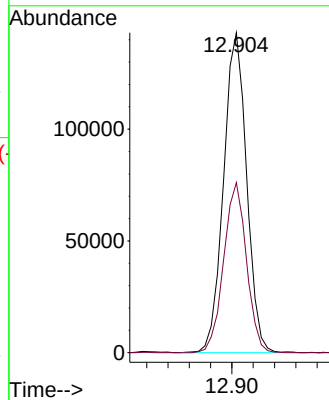
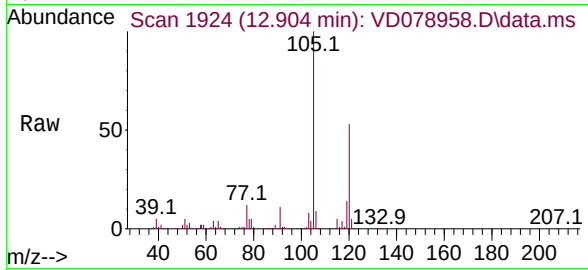




#62
1,3,5-Trimethylbenzene
Concen: 23.848 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD078958.D
Acq: 17 May 2024 10:33

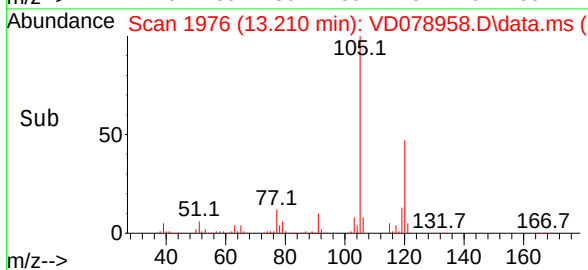
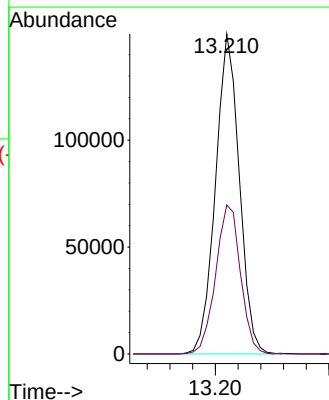
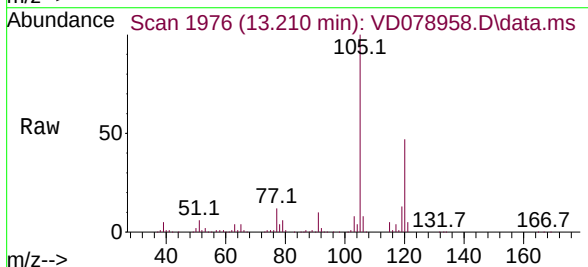
Instrument :
MSVOA_D
ClientSampleId :

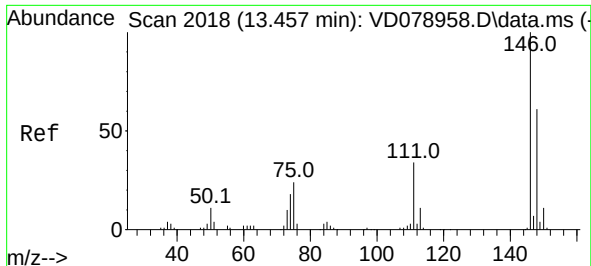
Tgt Ion:105 Resp: 215009
Ion Ratio Lower Upper
105 100
120 52.4 41.9 62.9



#63
1,2,4-Trimethylbenzene
Concen: 23.793 ug/L
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD078958.D
Acq: 17 May 2024 10:33

Tgt Ion:105 Resp: 217980
Ion Ratio Lower Upper
105 100
120 48.5 38.8 58.2





#64

1,3-Dichlorobenzene

Concen: 22.900 ug/L

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VD078958.D

Acq: 17 May 2024 10:33

Instrument :

MSVOA_D

ClientSampleId :

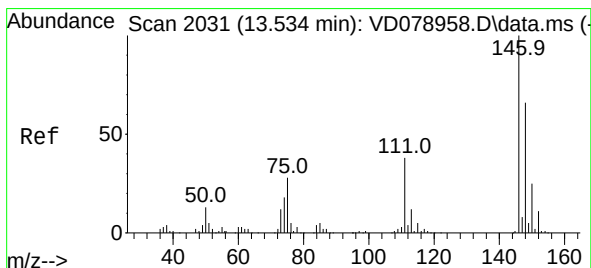
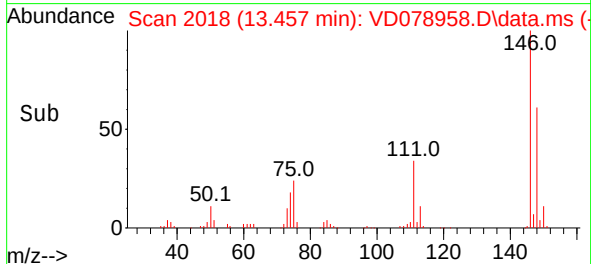
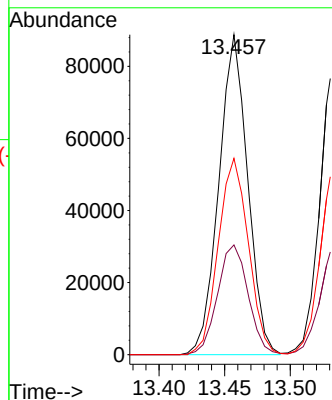
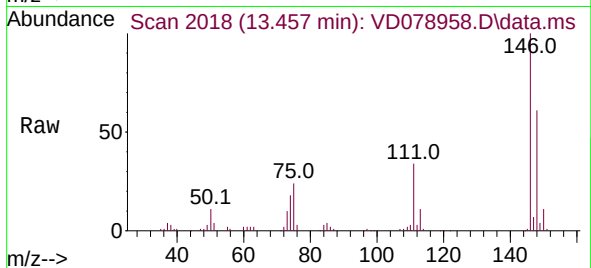
Tgt Ion:146 Resp: 135654

Ion Ratio Lower Upper

146 100

111 34.3 24.0 44.6

148 61.3 42.9 79.7



#65

1,4-Dichlorobenzene

Concen: 22.252 ug/L

RT: 13.534 min Scan# 2031

Delta R.T. 0.000 min

Lab File: VD078958.D

Acq: 17 May 2024 10:33

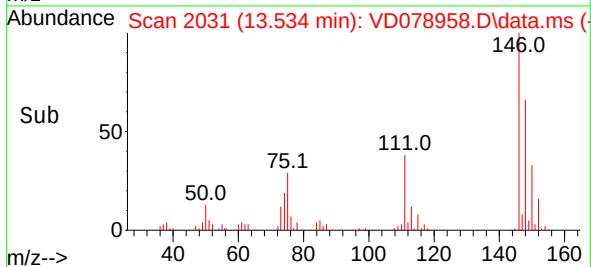
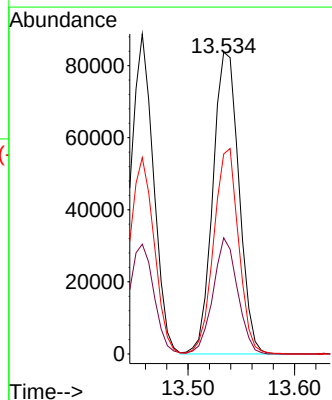
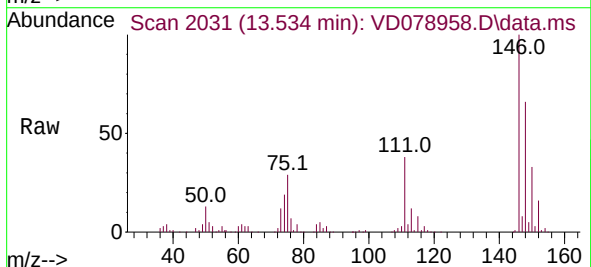
Tgt Ion:146 Resp: 142112

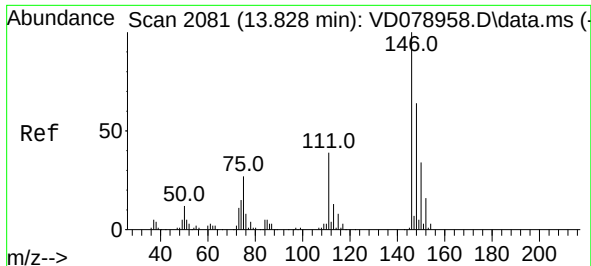
Ion Ratio Lower Upper

146 100

111 38.5 26.9 50.1

148 66.3 46.4 86.2





#67

1,2-Dichlorobenzene

Concen: 22.461 ug/L

RT: 13.828 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VD078958.D

Acq: 17 May 2024 10:33

Instrument :

MSVOA_D

ClientSampleId :

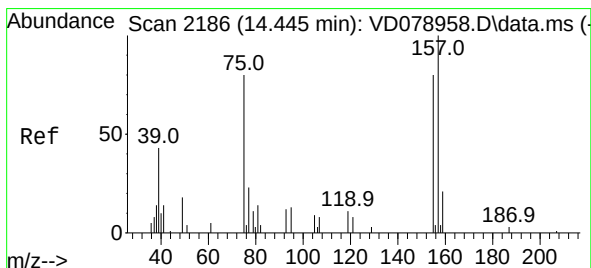
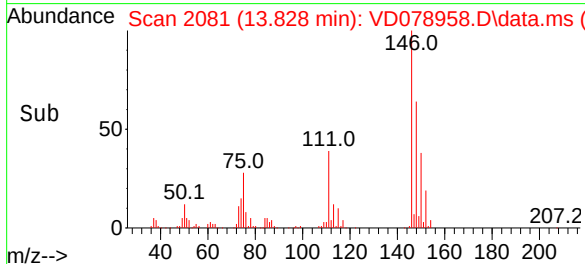
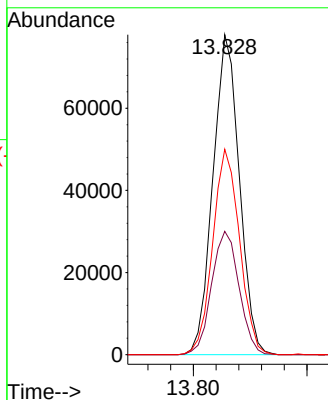
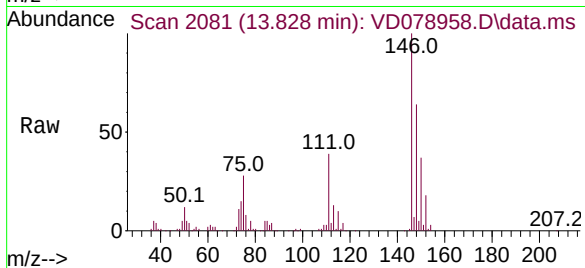
Tgt Ion:146 Resp: 125932

Ion Ratio Lower Upper

146 100

111 38.6 30.9 46.3

148 64.2 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 22.569 ug/L

RT: 14.445 min Scan# 2186

Delta R.T. 0.000 min

Lab File: VD078958.D

Acq: 17 May 2024 10:33

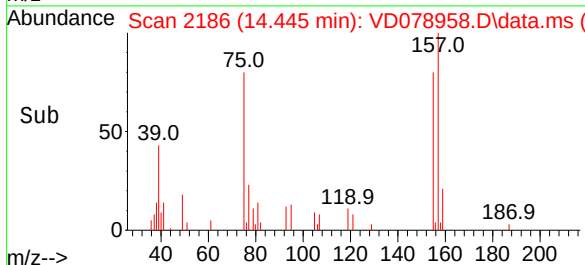
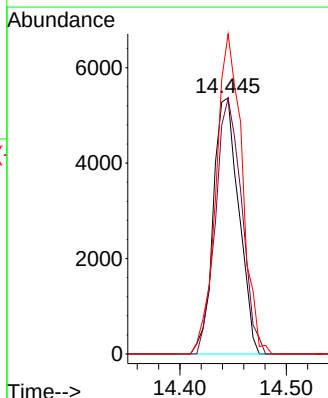
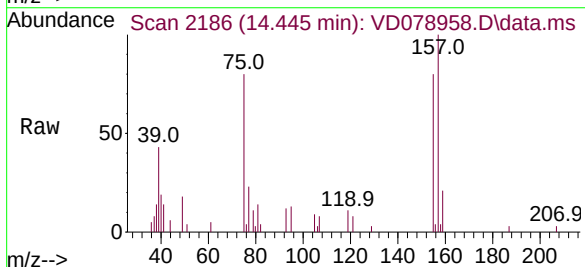
Tgt Ion: 75 Resp: 8891

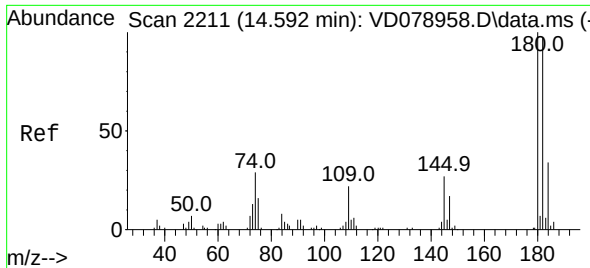
Ion Ratio Lower Upper

75 100

155 99.7 79.8 119.6

157 124.9 99.9 149.9





#69

1,3,5-Trichlorobenzene

Concen: 21.734 ug/L

RT: 14.592 min Scan# 2211

Delta R.T. 0.000 min

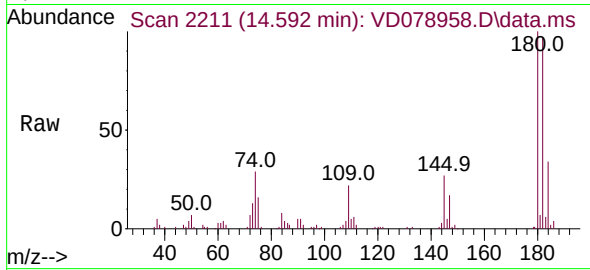
Lab File: VD078958.D

Acq: 17 May 2024 10:33

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:180 Resp: 83618

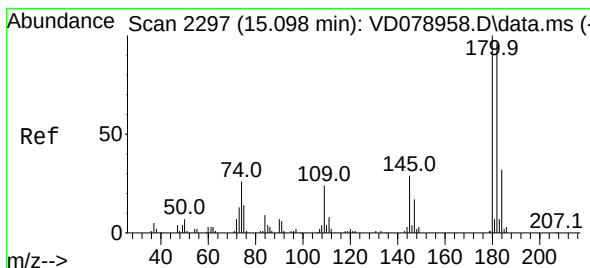
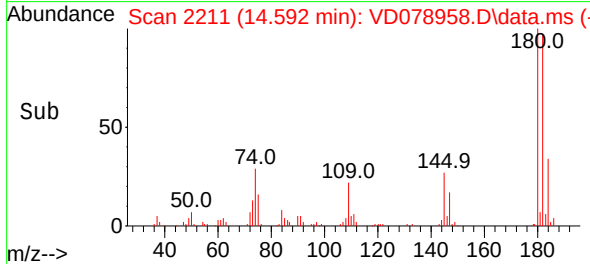
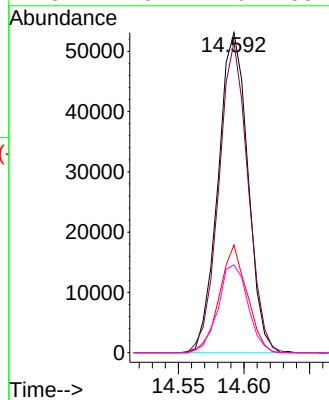
Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.2

184 31.1 24.9 37.3

145 27.5 22.0 33.0



#70

1,2,4-trichlorobenzene

Concen: 21.083 ug/L

RT: 15.098 min Scan# 2297

Delta R.T. 0.000 min

Lab File: VD078958.D

Acq: 17 May 2024 10:33

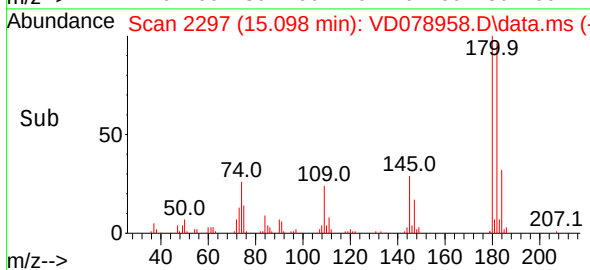
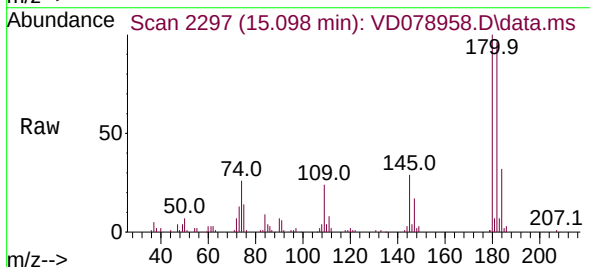
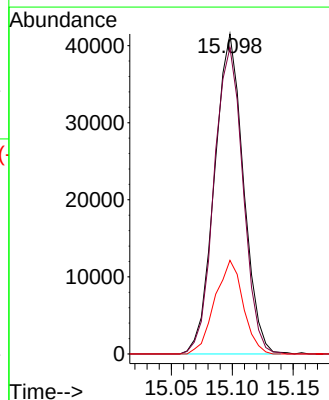
Tgt Ion:180 Resp: 68666

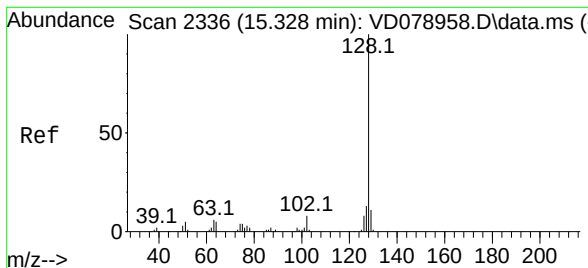
Ion Ratio Lower Upper

180 100

182 95.5 76.4 114.6

145 28.5 22.8 34.2





#71

Naphthalene

Concen: 21.738 ug/L

RT: 15.328 min Scan# 2336

Delta R.T. 0.000 min

Lab File: VD078958.D

Acq: 17 May 2024 10:33

Instrument :

MSVOA_D

ClientSampleId :

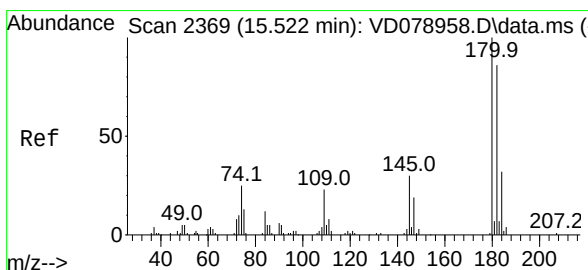
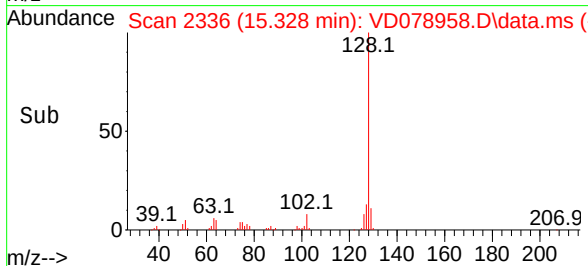
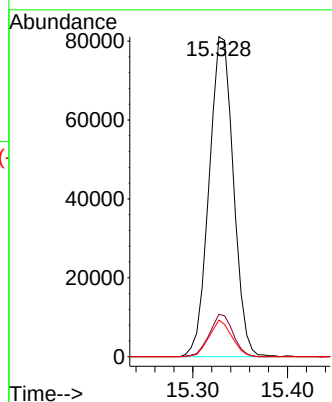
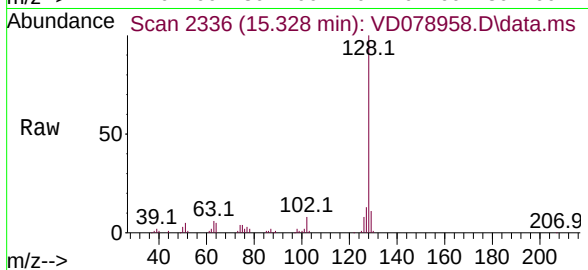
Tgt Ion:128 Resp: 144457

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 10.7 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 21.700 ug/L

RT: 15.522 min Scan# 2369

Delta R.T. 0.000 min

Lab File: VD078958.D

Acq: 17 May 2024 10:33

Tgt Ion:180 Resp: 66062

Ion Ratio Lower Upper

180 100

182 96.5 77.2 115.8

145 30.5 24.4 36.6

