

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120321\
 Data File : VY006923.D
 Acq On : 03 Dec 2021 17:43
 Operator : SY/MD
 Sample : VSTD00502
 Misc : 5.00g/10.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005802

Quant Time: Dec 04 02:11:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYLEM120321SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 04 02:08:44 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.691	114	191285	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.489	117	180542	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.422	152	89030	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	12447	4.038	ug/L	0.00
7) Chloroethane-d5	2.765	69	10355	4.530	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.851	63	26491	5.040	ug/L	0.00
21) 2-Butanone-d5	7.002	46	148	0.170	ug/L	0.12
24) Chloroform-d	7.478	84	26760	5.636	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.142	65	15903	5.183	ug/L	0.00
32) Benzene-d6	8.112	84	52279	5.344	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.124	67	17348	6.005	ug/L	0.00
41) Toluene-d8	10.179	98	48285	5.182	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.441	79	7707	5.186	ug/L	0.00
47) 2-Hexanone-d5	10.788	63	8097	12.656	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.556	84	13740	6.018	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.721	152	15926	5.284	ug/L	0.00
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	3960	1.288	ug/L #	85
3) Chloromethane	2.113	50	12435	3.864	ug/L	96
5) Vinyl chloride	2.253	62	16746	4.209	ug/L	93
6) Bromomethane	2.662	94	10650	5.701	ug/L	89
8) Chloroethane	2.808	64	10027	4.456	ug/L	96
9) Trichlorofluoromethane	3.125	101	11410	2.493	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	3.912	101	12036	4.753	ug/L	95
12) 1,1-Dichloroethene	3.875	96	12505	5.022	ug/L	89
13) Acetone	3.936	43	9943	10.625	ug/L	72
14) Carbon disulfide	4.192	76	42628	4.818	ug/L	99
15) Methyl Acetate	4.479	43	9924	6.202	ug/L	97
16) Methylene chloride	4.716	84	18432	5.448	ug/L	95
17) trans-1,2-Dichloroethene	5.222	96	13428	5.023	ug/L	93
18) Methyl tert-butyl Ether	5.222	73	23718	3.629	ug/L #	94
19) 1,1-Dichloroethane	6.021	63	25438	5.199	ug/L	98
20) cis-1,2-Dichloroethene	6.990	96	14612	5.191	ug/L	92
22) 2-Butanone	6.990	43	12412	10.946	ug/L	96
23) Bromochloromethane	7.338	128	6437	5.006	ug/L #	88
25) Chloroform	7.508	83	25814	4.897	ug/L	99
27) 1,2-Dichloroethane	8.234	62	18438	4.896	ug/L	97
29) Cyclohexane	7.789	56	23098	4.819	ug/L	98
30) 1,1,1-Trichloroethane	7.697	97	22515	4.802	ug/L	98
31) Carbon tetrachloride	7.899	117	20979	4.880	ug/L	100
33) Benzene	8.161	78	57326	4.987	ug/L	100
34) Trichloroethene	8.941	95	13879	4.793	ug/L	95
35) Methylcyclohexane	9.185	83	24820	4.872	ug/L	95
37) 1,2-Dichloropropane	9.215	63	14698	5.288	ug/L	99
38) Bromodichloromethane	9.496	83	18583	4.908	ug/L	98
39) cis-1,3-Dichloropropene	9.929	75	23022	5.233	ug/L	98
40) 4-Methyl-2-pentanone	10.069	43	25456	11.323	ug/L	99
42) Toluene	10.246	91	60462	4.865	ug/L	97
44) trans-1,3-Dichloropropene	10.465	75	20744	4.988	ug/L	97

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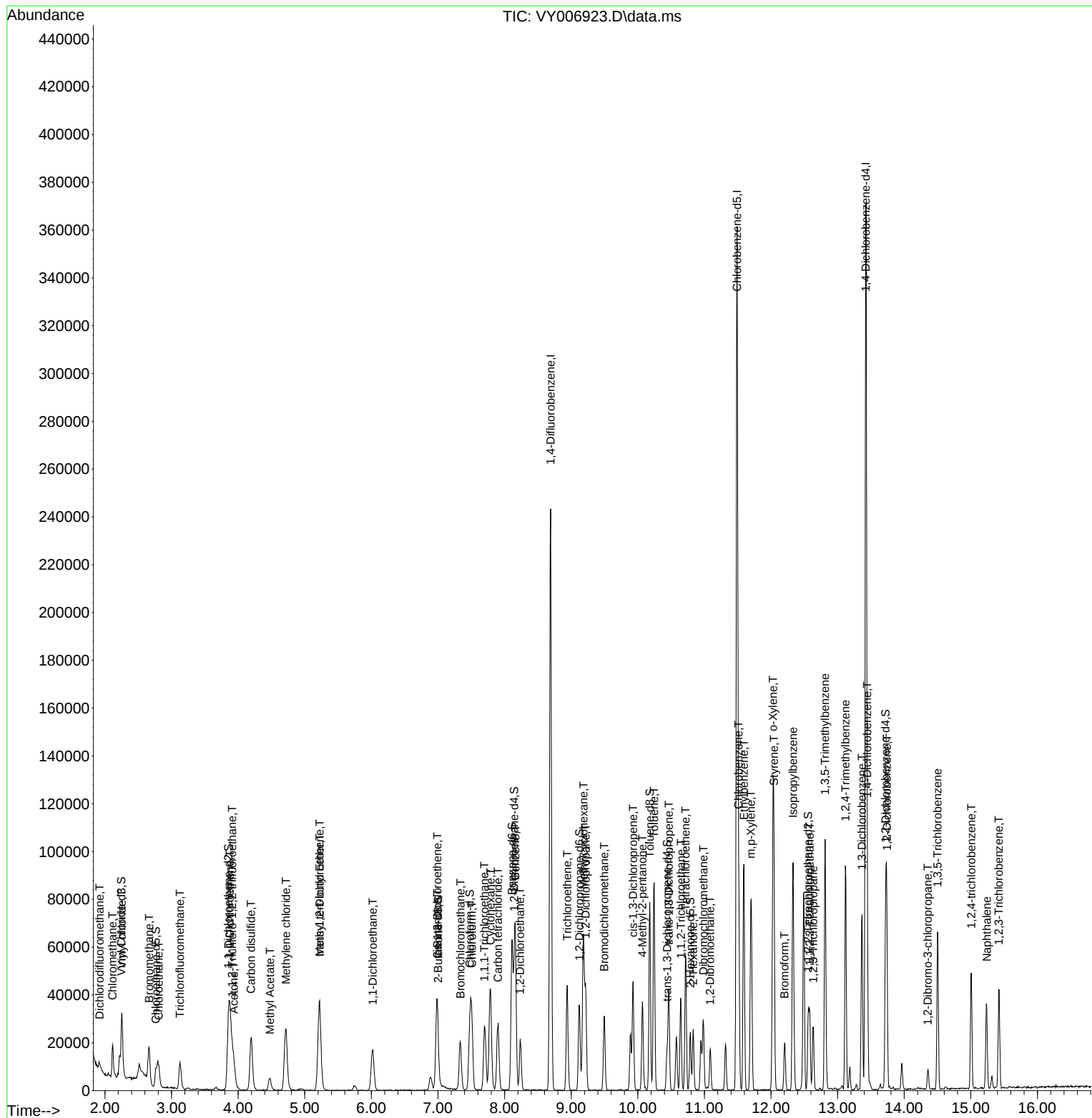
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.648	97	10611	5.168	ug/L	99
46) Tetrachloroethene	10.715	164	11820	4.875	ug/L	92
48) 2-Hexanone	10.831	43	16175	9.639	ug/L	99
49) Dibromochloromethane	10.983	129	13062	5.097	ug/L	95
50) 1,2-Dibromoethane	11.087	107	10279	5.350	ug/L	95
51) Chlorobenzene	11.514	112	37414	4.950	ug/L	96
52) Ethylbenzene	11.593	91	63800	4.797	ug/L	99
53) m,p-Xylene	11.697	106	24234	4.787	ug/L	95
54) o-Xylene	12.032	106	22413	4.626	ug/L	95
55) Styrene	12.044	104	38871	4.587	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.581	83	13360	5.777	ug/L	96
59) Bromoform	12.203	173	8356	5.206	ug/L	99
60) Isopropylbenzene	12.331	105	59275	4.730	ug/L	99
61) 1,2,3-Trichloropropane	12.636	75	10236	5.496	ug/L	97
62) 1,3,5-Trimethylbenzene	12.812	105	49810	4.889	ug/L	99
63) 1,2,4-Trimethylbenzene	13.117	105	48277	4.792	ug/L	98
64) 1,3-Dichlorobenzene	13.367	146	28153	5.014	ug/L	96
65) 1,4-Dichlorobenzene	13.446	146	28871	5.112	ug/L	99
67) 1,2-Dichlorobenzene	13.739	146	24746	4.862	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.355	75	2177	5.042	ug/L	80
69) 1,3,5-Trichlorobenzene	14.501	180	18490	4.717	ug/L	99
70) 1,2,4-trichlorobenzene	15.007	180	14272	4.517	ug/L	99
71) Naphthalene	15.239	128	28300	4.566	ug/L	99
72) 1,2,3-Trichlorobenzene	15.422	180	12529	4.610	ug/L	98

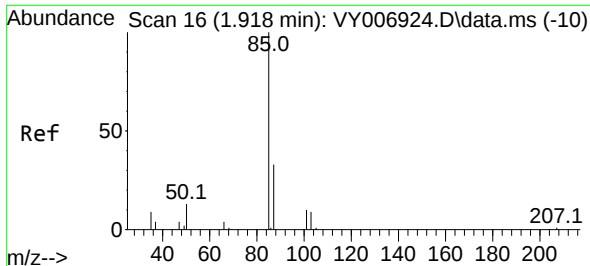
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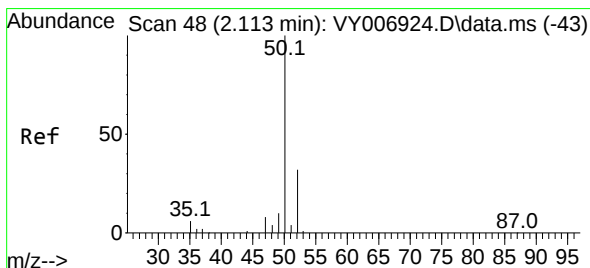
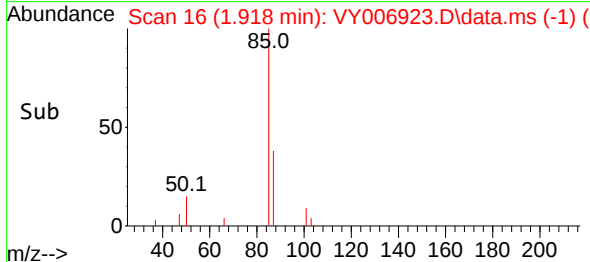
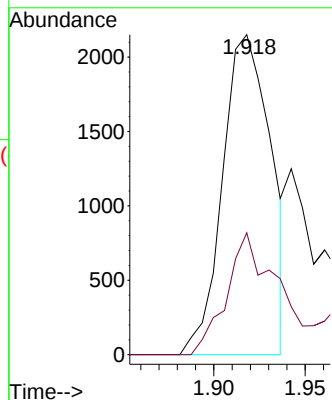
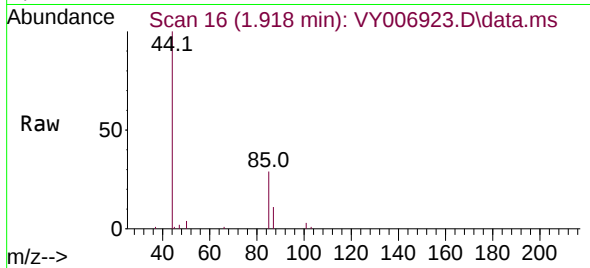




#2
Dichlorodifluoromethane
Concen: 1.288 ug/L
RT: 1.918 min Scan# 16
Delta R.T. -0.000 min
Lab File: VY006923.D
Acq: 03 Dec 2021 17:43

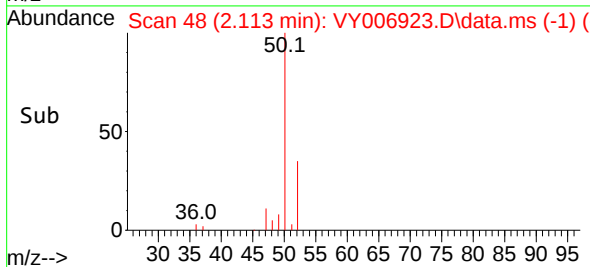
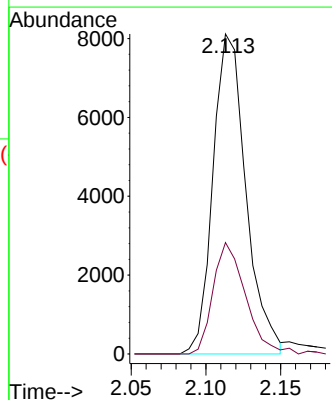
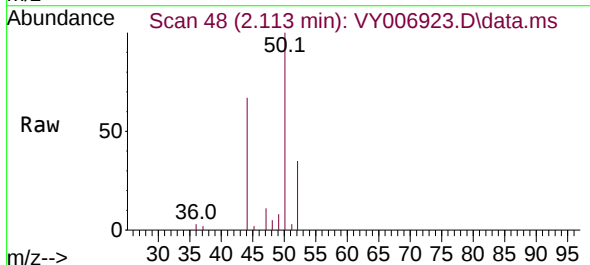
Instrument :
MSVOA_Y
ClientSampleId :
VSTD005802

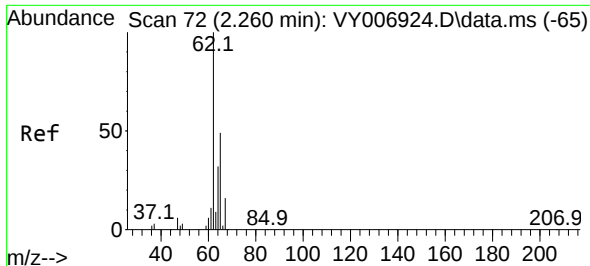
Tgt Ion: 85 Resp: 3960
Ion Ratio Lower Upper
85 100
87 24.4 26.3 39.5#



#3
Chloromethane
Concen: 3.864 ug/L
RT: 2.113 min Scan# 48
Delta R.T. -0.000 min
Lab File: VY006923.D
Acq: 03 Dec 2021 17:43

Tgt Ion: 50 Resp: 12435
Ion Ratio Lower Upper
50 100
52 34.8 22.7 42.1

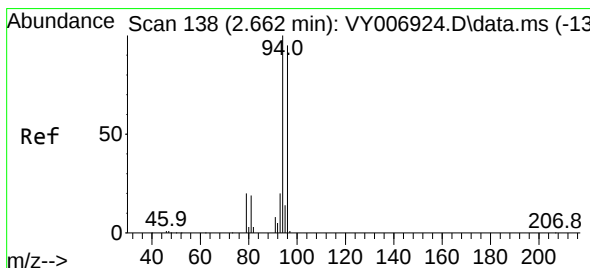
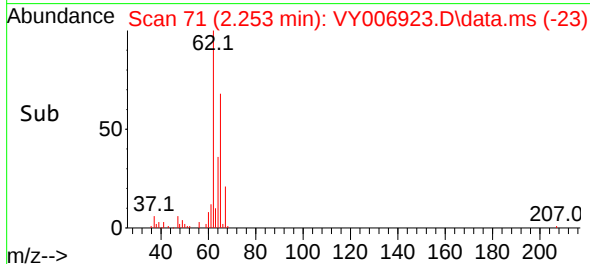
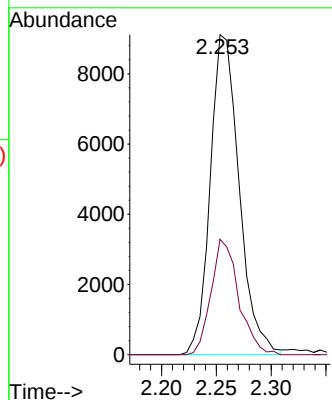
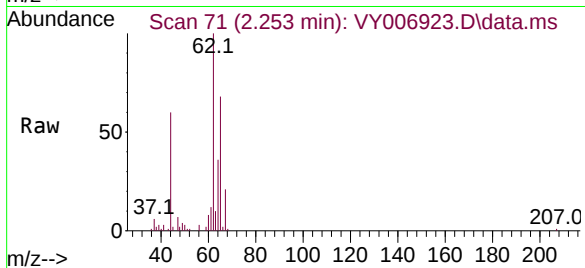




#5
 Vinyl chloride
 Concen: 4.209 ug/L
 RT: 2.253 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: VY006923.D
 Acq: 03 Dec 2021 17:43

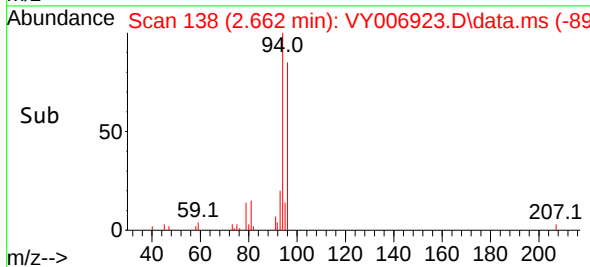
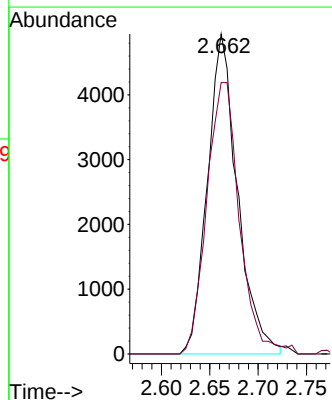
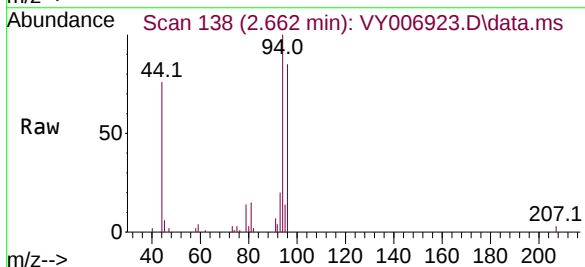
Instrument :
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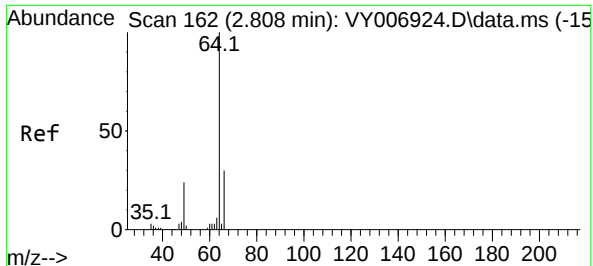
Tgt Ion: 62 Resp: 16746
 Ion Ratio Lower Upper
 62 100
 64 36.0 22.4 41.6



#6
 Bromomethane
 Concen: 5.701 ug/L
 RT: 2.662 min Scan# 138
 Delta R.T. -0.000 min
 Lab File: VY006923.D
 Acq: 03 Dec 2021 17:43

Tgt Ion: 94 Resp: 10650
 Ion Ratio Lower Upper
 94 100
 96 84.8 66.5 123.5

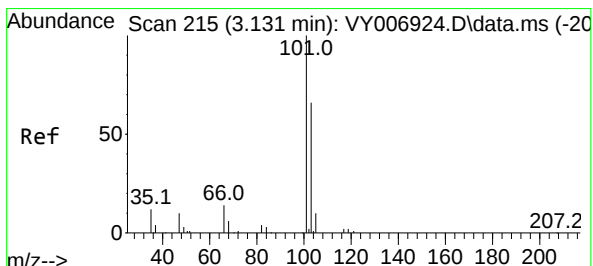
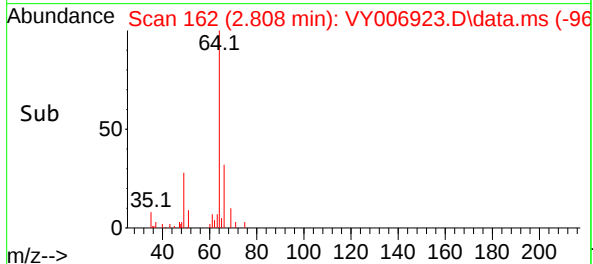
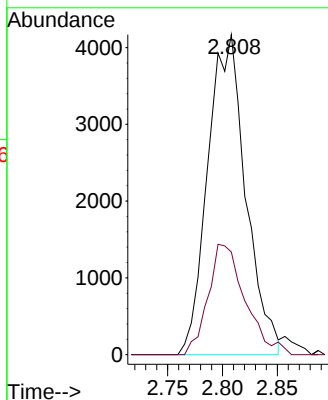
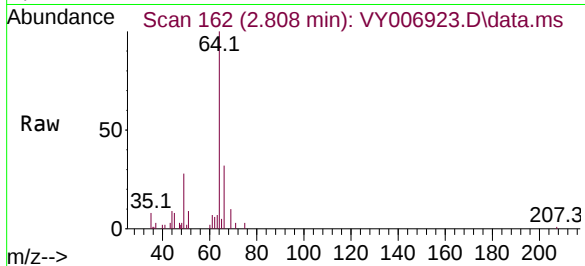




#8
Chloroethane
Concen: 4.456 ug/L
RT: 2.808 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY006923.D
Acq: 03 Dec 2021 17:43

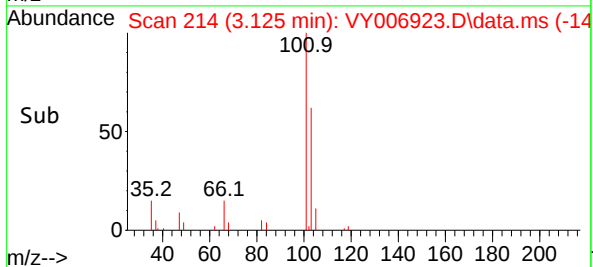
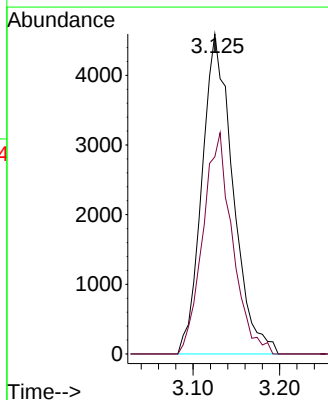
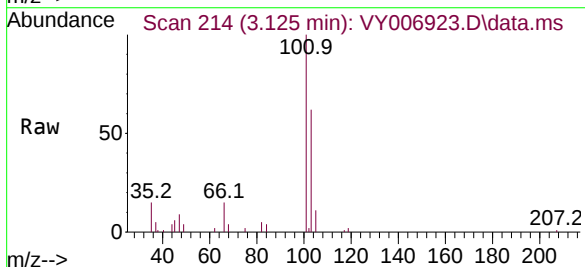
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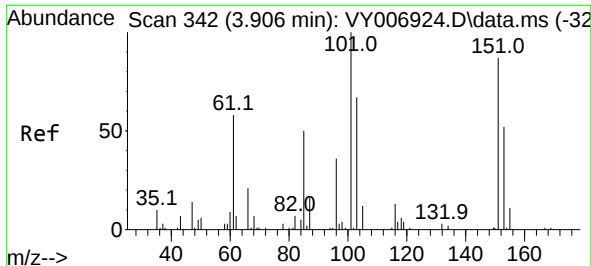
Tgt Ion: 64 Resp: 10027
Ion Ratio Lower Upper
64 100
66 32.1 21.1 39.3



#9
Trichlorofluoromethane
Concen: 2.493 ug/L
RT: 3.125 min Scan# 214
Delta R.T. -0.006 min
Lab File: VY006923.D
Acq: 03 Dec 2021 17:43

Tgt Ion:101 Resp: 11410
Ion Ratio Lower Upper
101 100
103 66.2 51.3 76.9

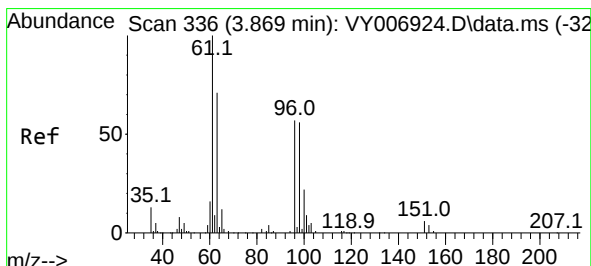
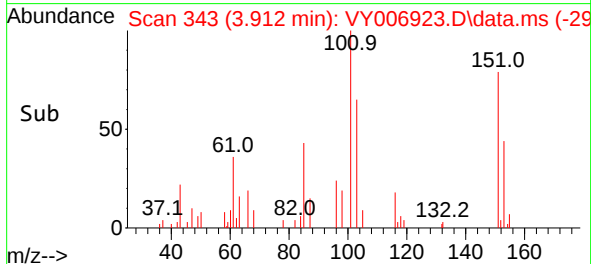
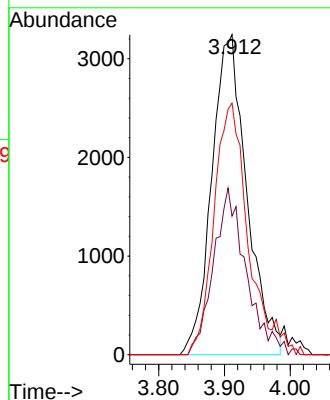
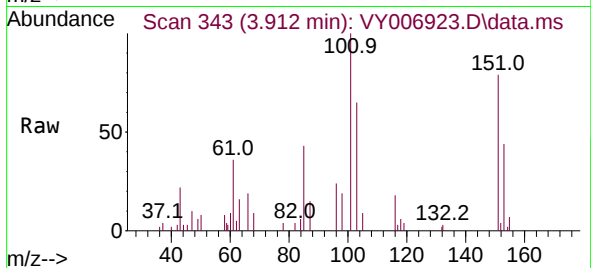




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.753 ug/L
RT: 3.912 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY006923.D
Acq: 03 Dec 2021 17:43

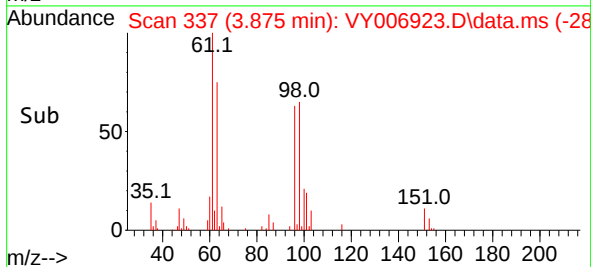
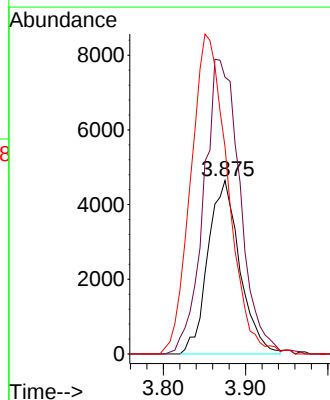
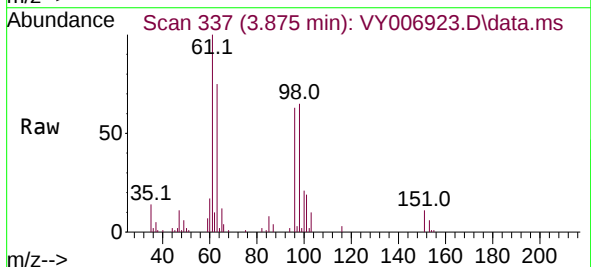
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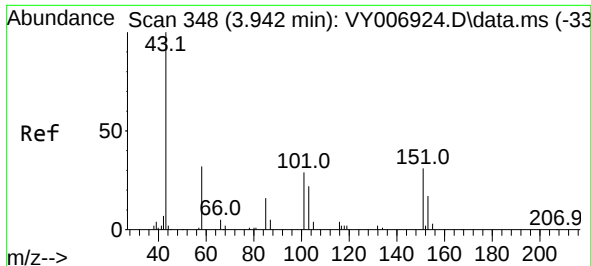
Tgt Ion:101 Resp: 12036
Ion Ratio Lower Upper
101 100
85 46.5 38.2 57.2
151 73.6 64.2 96.4



#12
1,1-Dichloroethene
Concen: 5.022 ug/L
RT: 3.875 min Scan# 337
Delta R.T. 0.006 min
Lab File: VY006923.D
Acq: 03 Dec 2021 17:43

Tgt Ion: 96 Resp: 12505
Ion Ratio Lower Upper
96 100
61 159.6 123.3 229.1
63 119.7 91.2 169.4

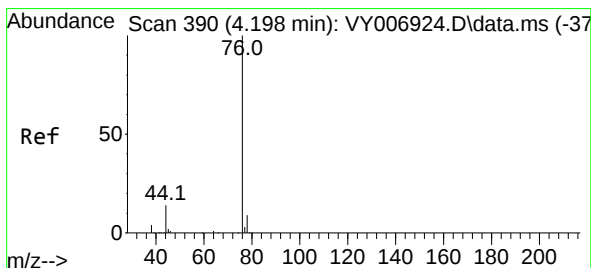
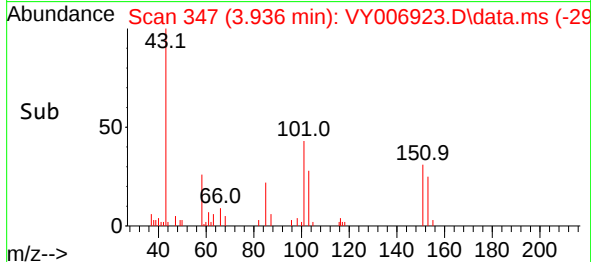
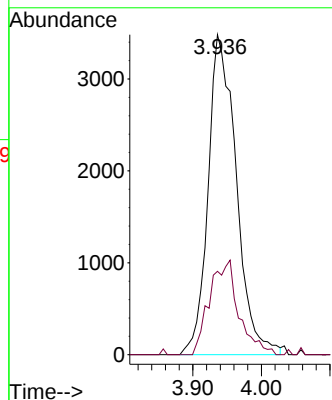
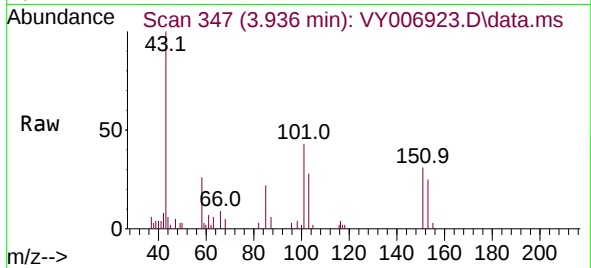




#13
Acetone
Concen: 10.625 ug/L
RT: 3.936 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY006923.D
Acq: 03 Dec 2021 17:43

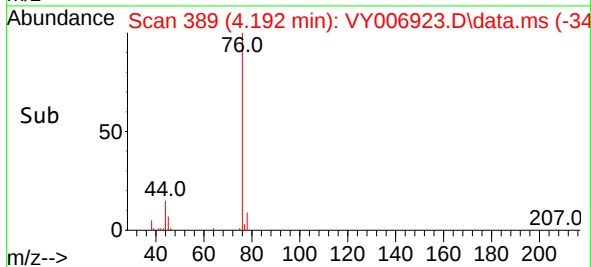
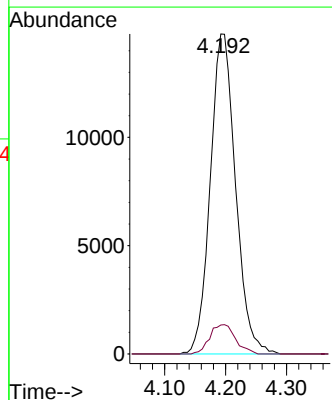
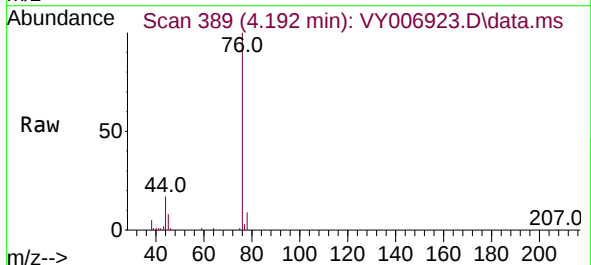
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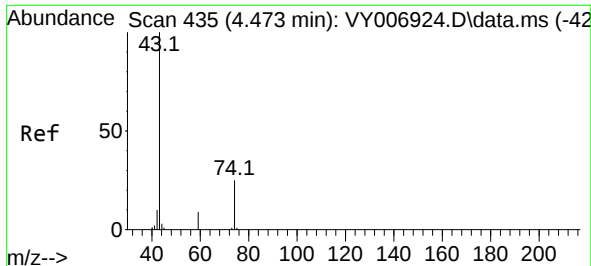
Tgt Ion: 43 Resp: 9943
Ion Ratio Lower Upper
43 100
58 14.9 0.0 60.8



#14
Carbon disulfide
Concen: 4.818 ug/L
RT: 4.192 min Scan# 389
Delta R.T. -0.006 min
Lab File: VY006923.D
Acq: 03 Dec 2021 17:43

Tgt Ion: 76 Resp: 42628
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.4

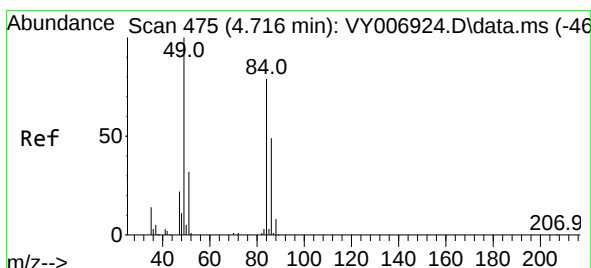
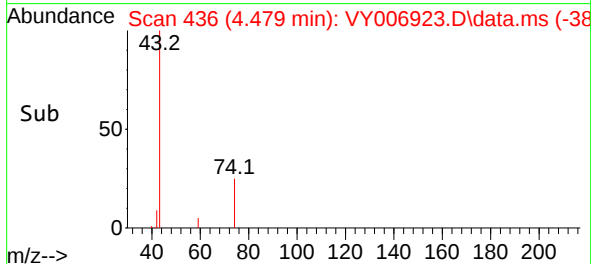
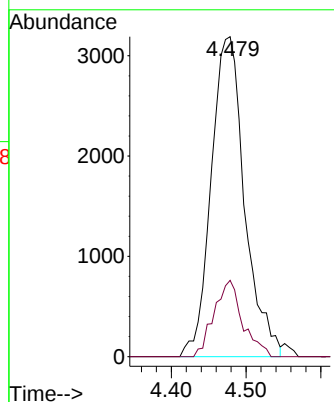
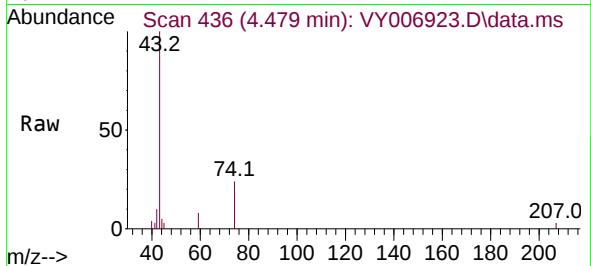




#15
Methyl Acetate
Concen: 6.202 ug/L
RT: 4.479 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY006923.D
Acq: 03 Dec 2021 17:43

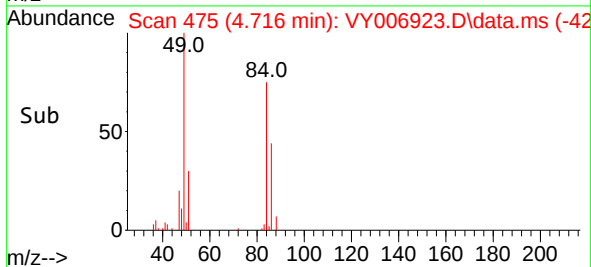
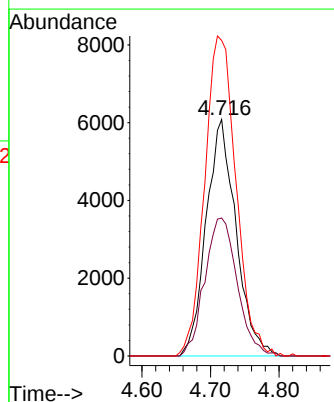
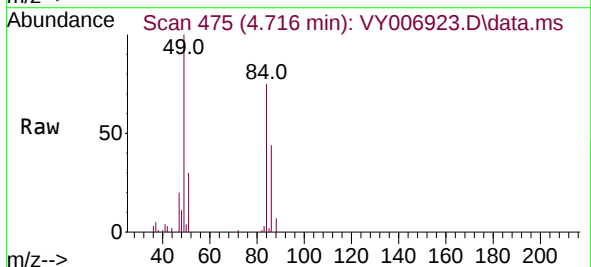
Instrument :
MSVOA_Y
ClientSampleId :
VSTD005802

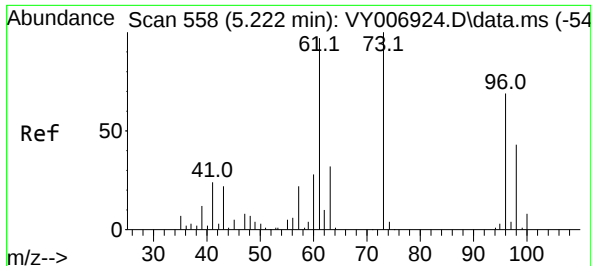
Tgt Ion: 43 Resp: 9924
Ion Ratio Lower Upper
43 100
74 20.4 17.4 26.2



#16
Methylene chloride
Concen: 5.448 ug/L
RT: 4.716 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY006923.D
Acq: 03 Dec 2021 17:43

Tgt Ion: 84 Resp: 18432
Ion Ratio Lower Upper
84 100
86 58.3 43.4 80.6
49 133.4 89.1 165.5





#17

trans-1,2-Dichloroethene

Concen: 5.023 ug/L

RT: 5.222 min Scan# 558

Delta R.T. -0.000 min

Lab File: VY006923.D

Acq: 03 Dec 2021 17:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTD005802

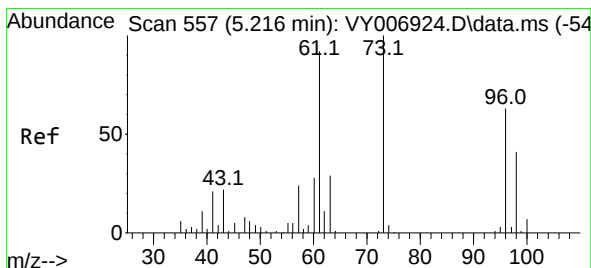
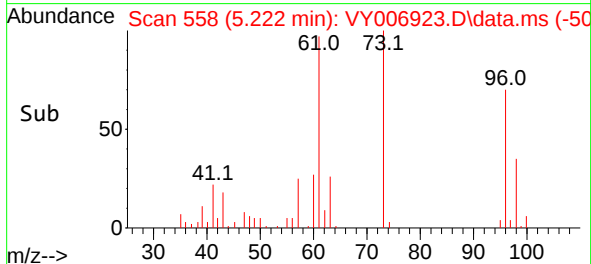
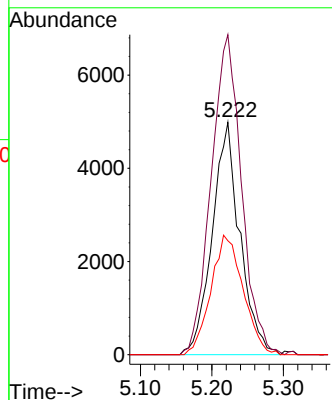
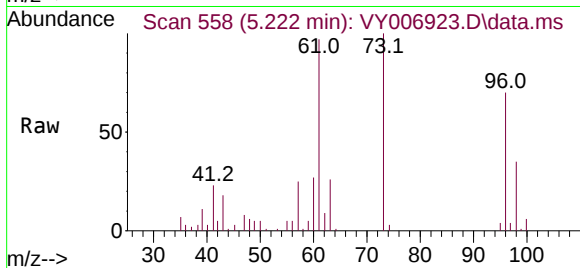
Tgt Ion: 96 Resp: 13428

Ion Ratio Lower Upper

96 100

61 137.7 98.5 182.9

98 49.0 43.7 81.1



#18

Methyl tert-butyl Ether

Concen: 3.629 ug/L

RT: 5.222 min Scan# 558

Delta R.T. 0.006 min

Lab File: VY006923.D

Acq: 03 Dec 2021 17:43

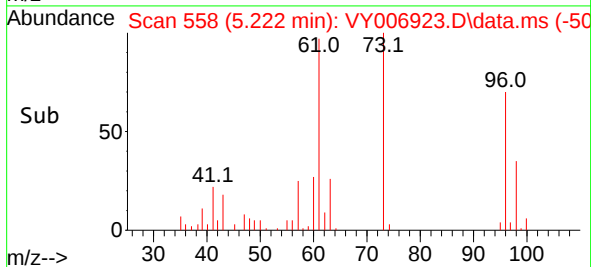
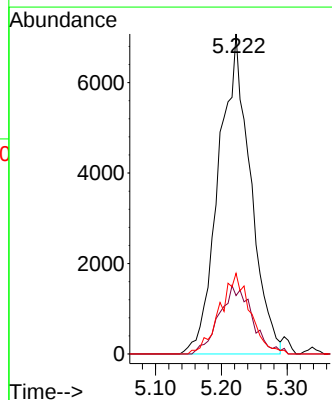
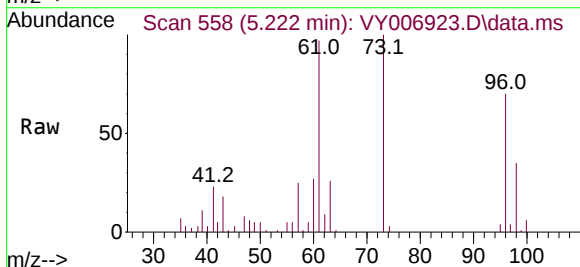
Tgt Ion: 73 Resp: 23718

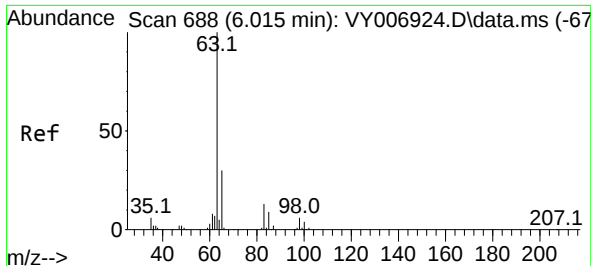
Ion Ratio Lower Upper

73 100

43 21.7 16.9 25.3

57 17.7 18.1 27.1#





#19

1,1-Dichloroethane

Concen: 5.199 ug/L

RT: 6.021 min Scan# 61

Delta R.T. 0.006 min

Lab File: VY006923.D

Acq: 03 Dec 2021 17:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTD005802

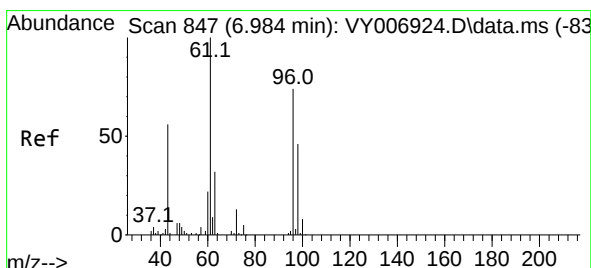
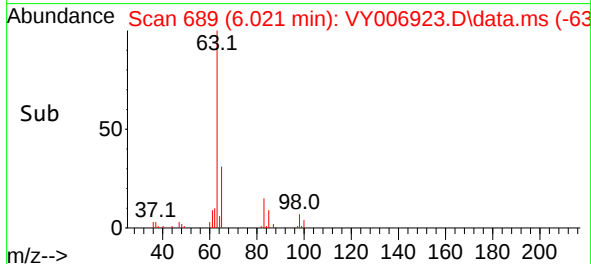
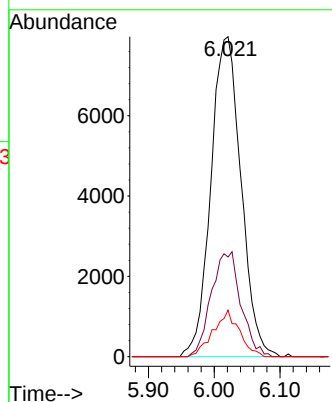
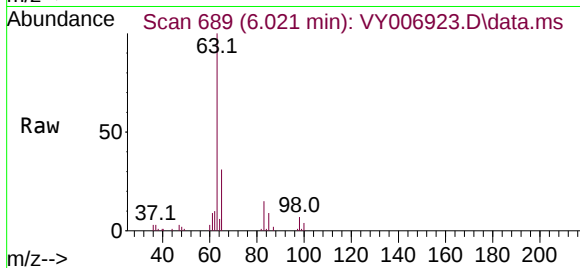
Tgt Ion: 63 Resp: 25438

Ion Ratio Lower Upper

63 100

65 31.1 21.0 39.0

83 14.6 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 5.191 ug/L

RT: 6.990 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY006923.D

Acq: 03 Dec 2021 17:43

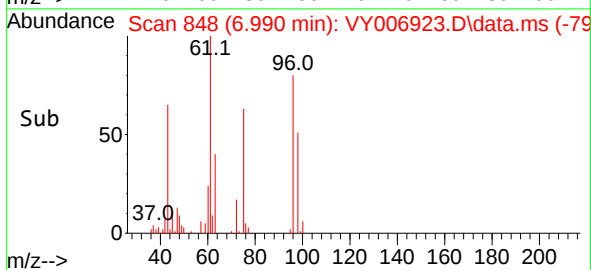
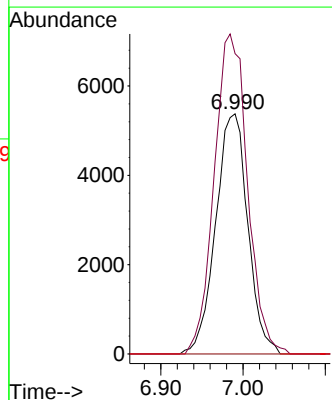
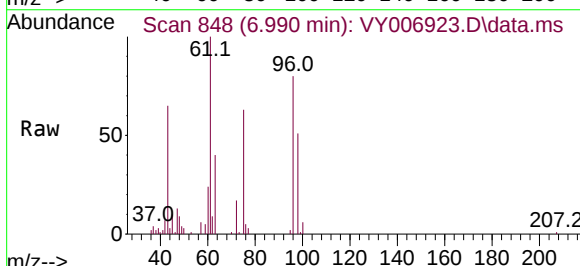
Tgt Ion: 96 Resp: 14612

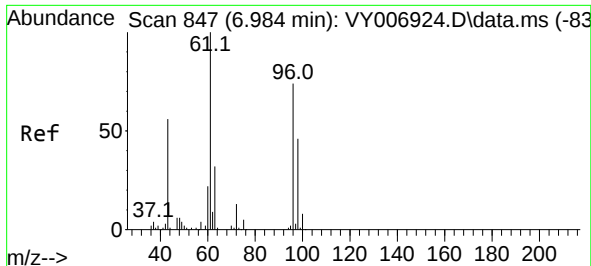
Ion Ratio Lower Upper

96 100

61 125.1 94.2 175.0

68 0.0 0.0 0.0

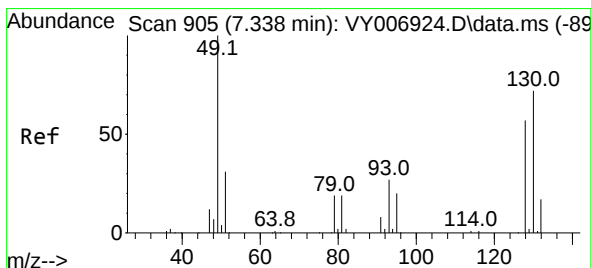
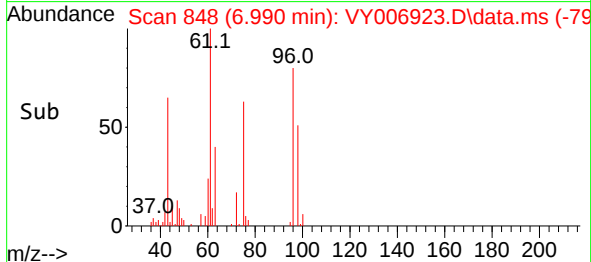
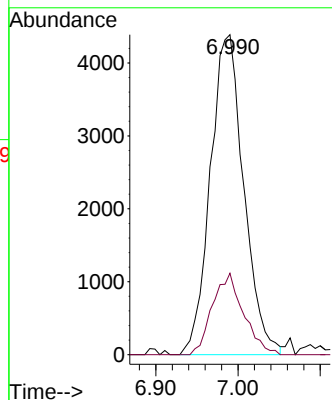
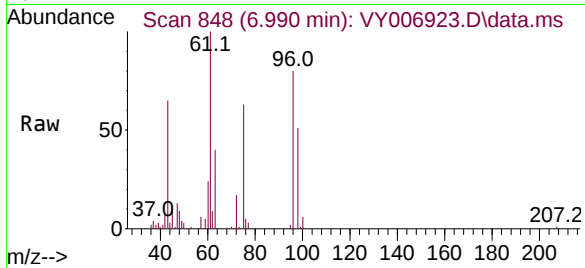




#22
2-Butanone
Concen: 10.946 ug/L
RT: 6.990 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY006923.D
Acq: 03 Dec 2021 17:43

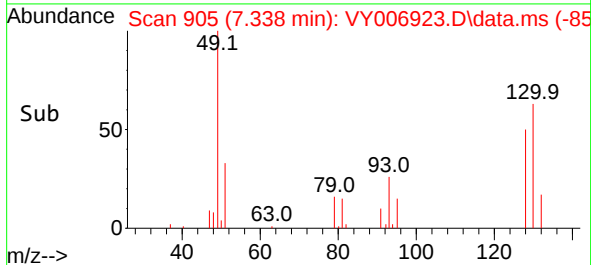
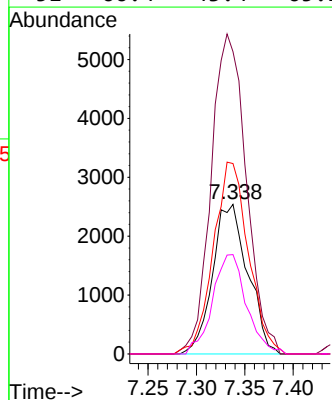
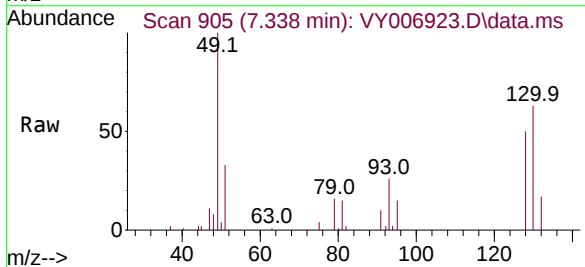
Instrument :
MSVOA_Y
ClientSampleId :
VSTD005802

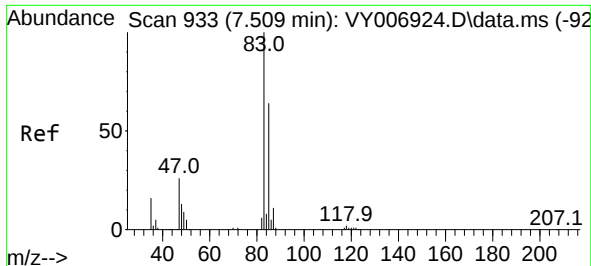
Tgt Ion: 43 Resp: 12412
Ion Ratio Lower Upper
43 100
72 23.7 12.9 38.6



#23
Bromochloromethane
Concen: 5.006 ug/L
RT: 7.338 min Scan# 905
Delta R.T. -0.000 min
Lab File: VY006923.D
Acq: 03 Dec 2021 17:43

Tgt Ion: 128 Resp: 6437
Ion Ratio Lower Upper
128 100
49 202.0 123.5 229.3
130 127.2 88.5 164.4
51 66.4 43.4 65.2#

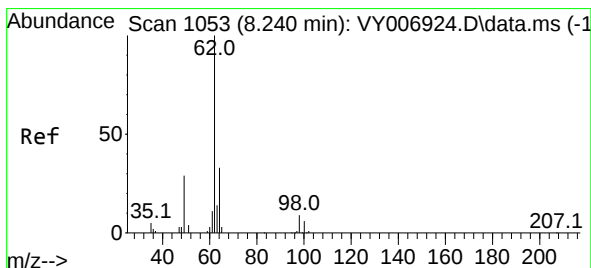
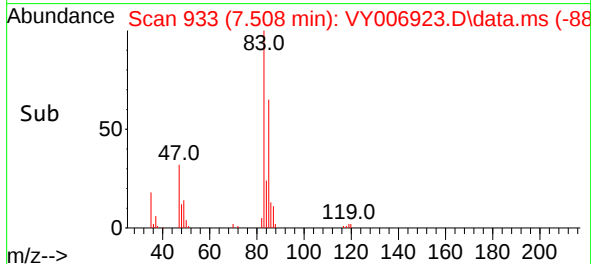
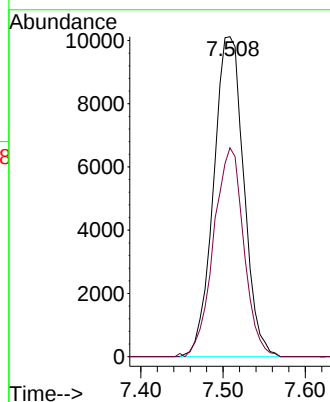
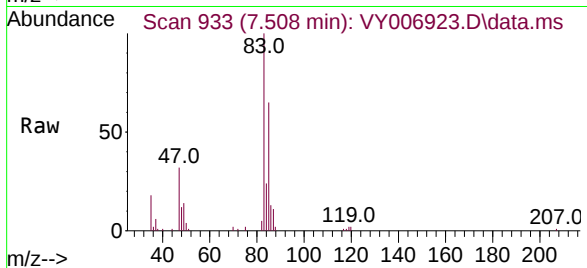




#25
Chloroform
Concen: 4.897 ug/L
RT: 7.508 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY006923.D
Acq: 03 Dec 2021 17:43

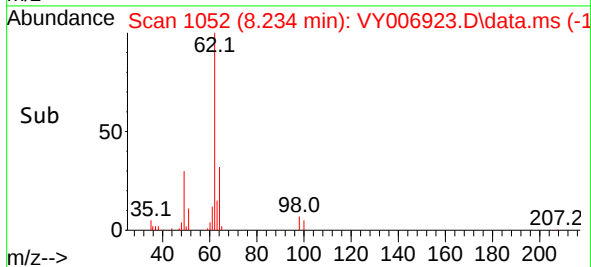
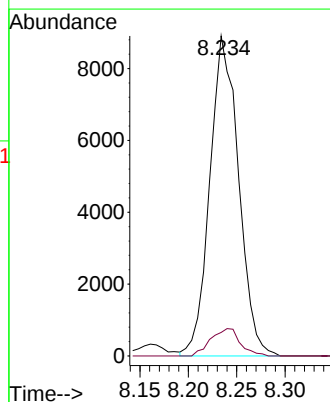
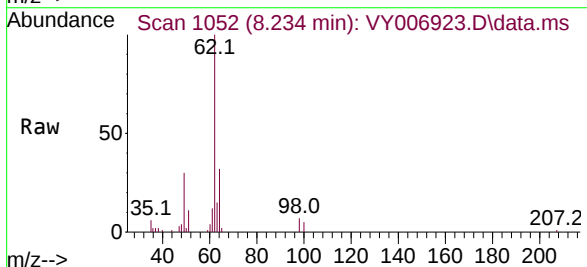
Instrument :
MSVOA_Y
ClientSampleId :
VSTD005802

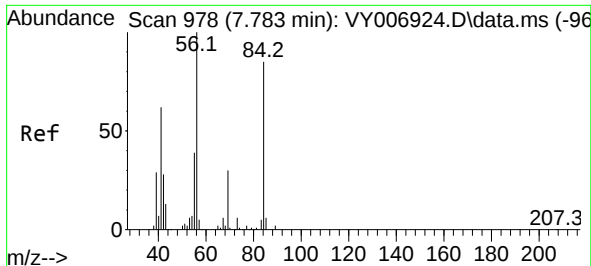
Tgt Ion: 83 Resp: 25814
Ion Ratio Lower Upper
83 100
85 65.3 45.4 84.2



#27
1,2-Dichloroethane
Concen: 4.896 ug/L
RT: 8.234 min Scan# 1052
Delta R.T. -0.006 min
Lab File: VY006923.D
Acq: 03 Dec 2021 17:43

Tgt Ion: 62 Resp: 18438
Ion Ratio Lower Upper
62 100
98 7.4 6.9 10.3





#29

Cyclohexane

Concen: 4.819 ug/L

RT: 7.789 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY006923.D

Acq: 03 Dec 2021 17:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTD005802

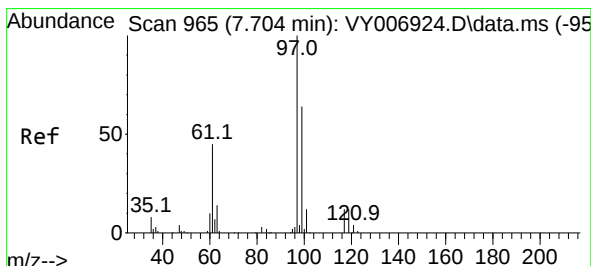
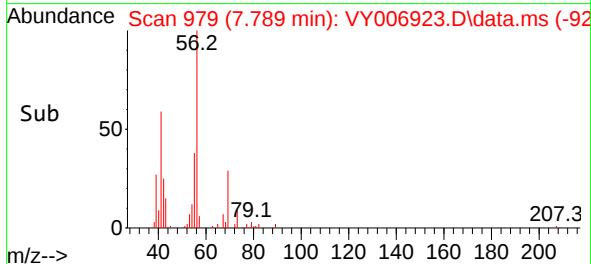
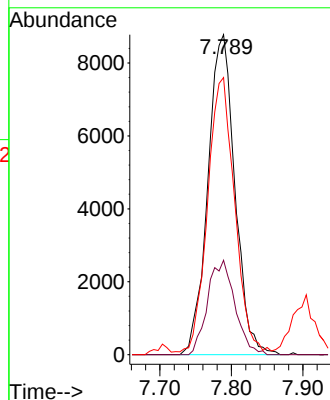
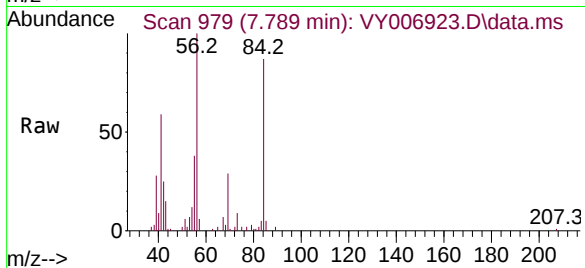
Tgt Ion: 56 Resp: 23098

Ion Ratio Lower Upper

56 100

69 29.7 24.1 36.1

84 86.8 67.8 101.6



#30

1,1,1-Trichloroethane

Concen: 4.802 ug/L

RT: 7.697 min Scan# 964

Delta R.T. -0.006 min

Lab File: VY006923.D

Acq: 03 Dec 2021 17:43

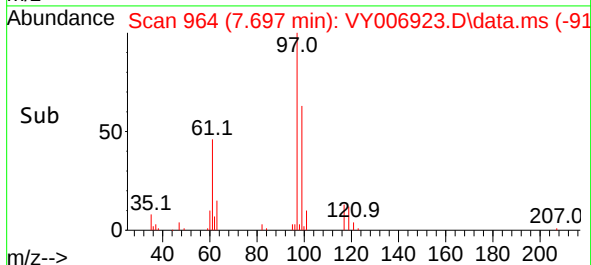
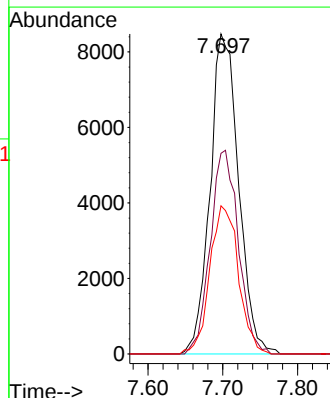
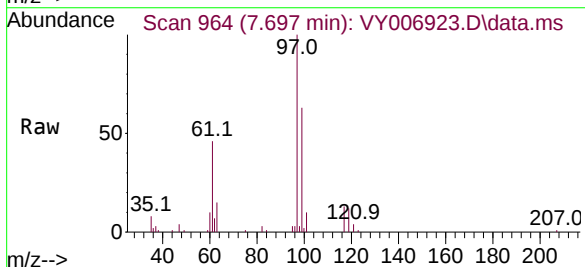
Tgt Ion: 97 Resp: 22515

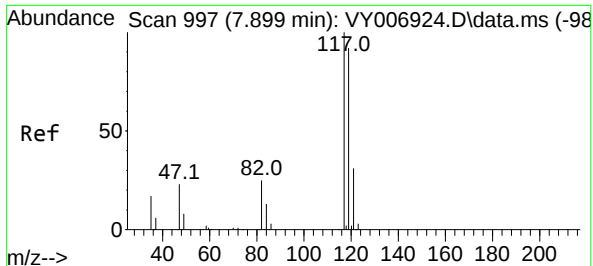
Ion Ratio Lower Upper

97 100

99 62.6 51.4 77.2

61 46.5 35.7 53.5

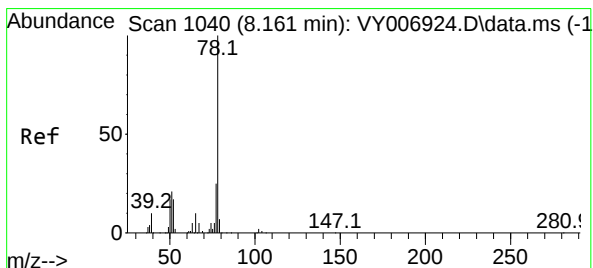
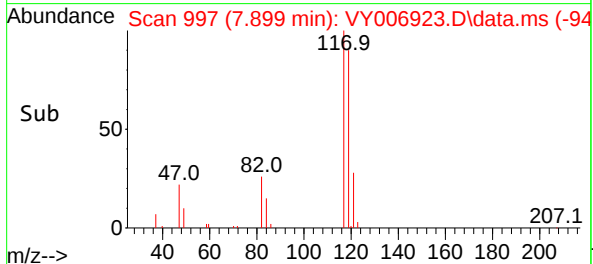
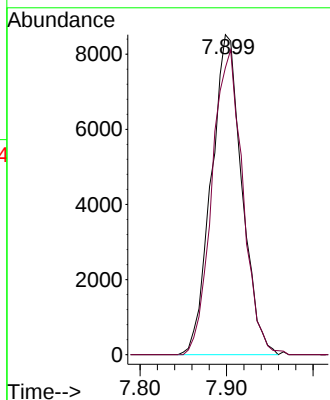
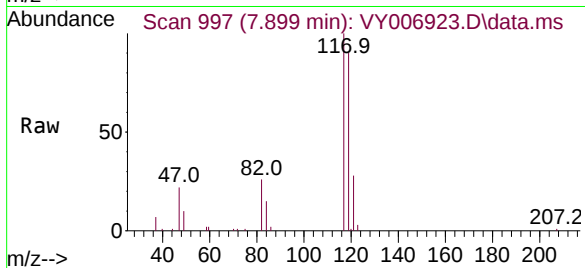




#31
Carbon tetrachloride
Concen: 4.880 ug/L
RT: 7.899 min Scan# 997
Delta R.T. -0.000 min
Lab File: VY006923.D
Acq: 03 Dec 2021 17:43

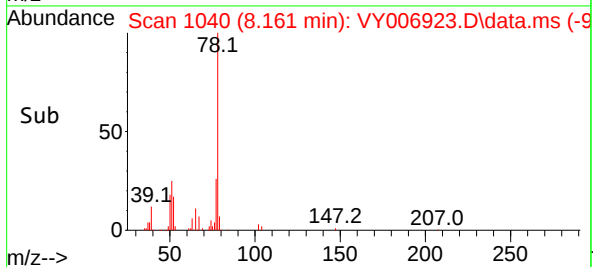
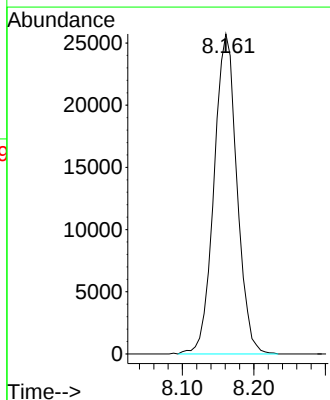
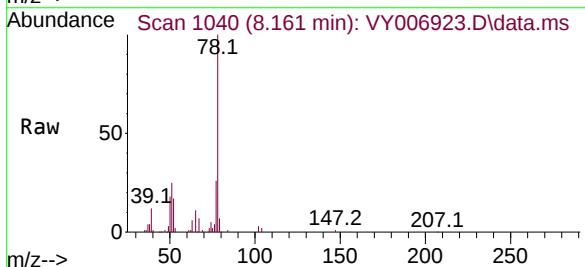
Instrument :
MSVOA_Y
ClientSampleId :
VSTD005802

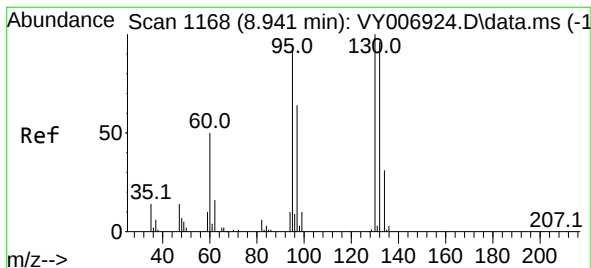
Tgt Ion:117 Resp: 20979
Ion Ratio Lower Upper
117 100
119 95.2 76.4 114.6



#33
Benzene
Concen: 4.987 ug/L
RT: 8.161 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY006923.D
Acq: 03 Dec 2021 17:43

Tgt Ion: 78 Resp: 57326





#34

Trichloroethene

Concen: 4.793 ug/L

RT: 8.941 min Scan# 1168

Delta R.T. -0.000 min

Lab File: VY006923.D

Acq: 03 Dec 2021 17:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTD005802

Tgt Ion: 95 Resp: 13879

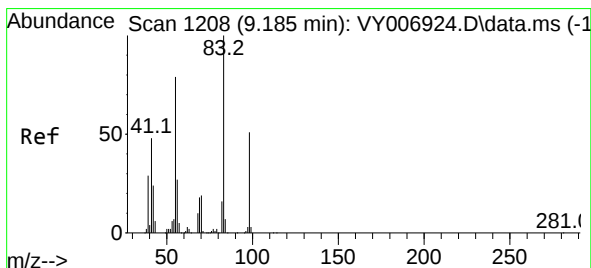
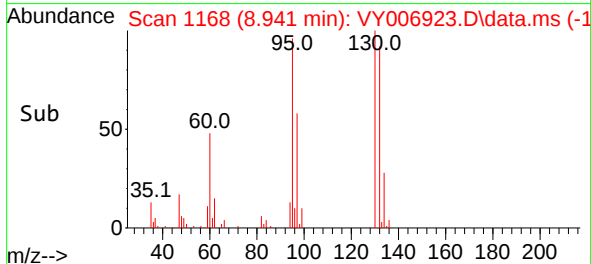
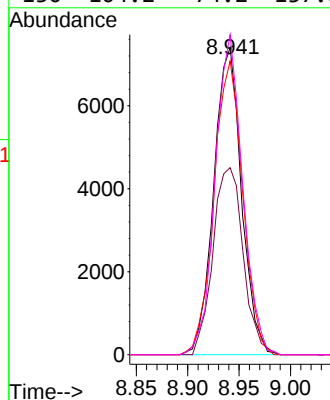
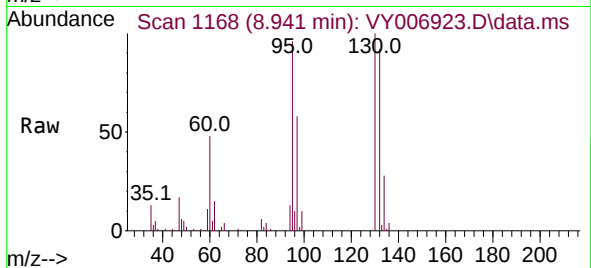
Ion Ratio Lower Upper

95 100

97 60.9 47.3 87.8

132 95.6 71.3 132.5

130 104.2 74.2 137.8



#35

Methylcyclohexane

Concen: 4.872 ug/L

RT: 9.185 min Scan# 1208

Delta R.T. -0.000 min

Lab File: VY006923.D

Acq: 03 Dec 2021 17:43

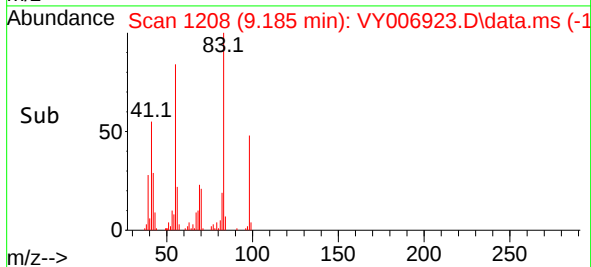
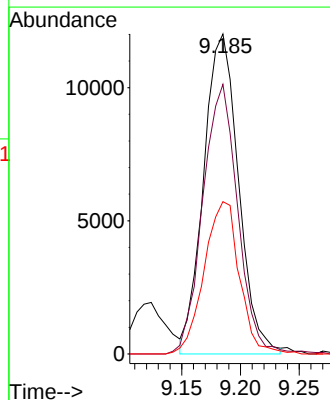
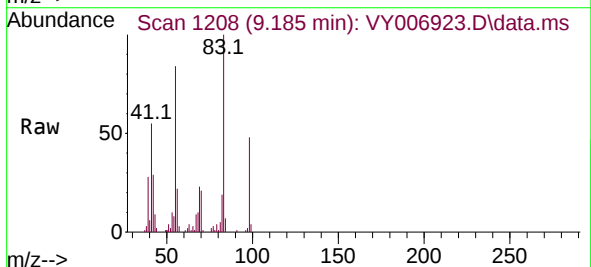
Tgt Ion: 83 Resp: 24820

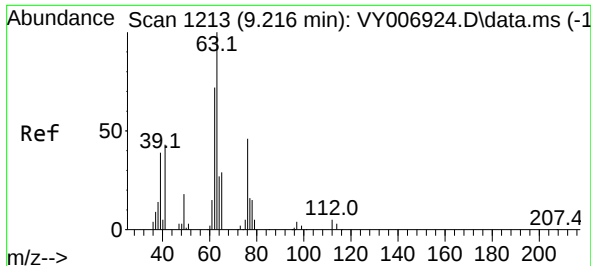
Ion Ratio Lower Upper

83 100

55 84.2 62.6 94.0

98 48.2 39.1 58.7





#37

1,2-Dichloropropane

Concen: 5.288 ug/L

RT: 9.215 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY006923.D

Acq: 03 Dec 2021 17:43

Instrument :

MSVOA_Y

ClientSampleId :

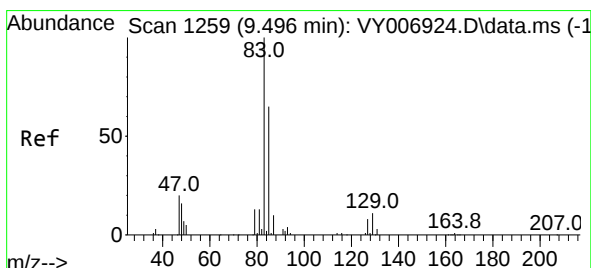
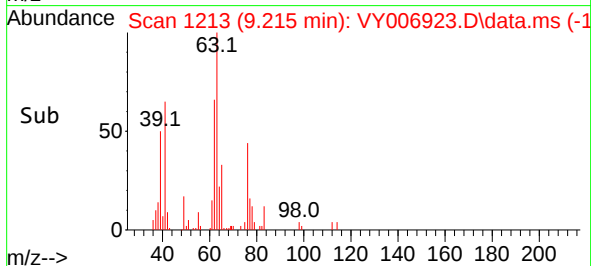
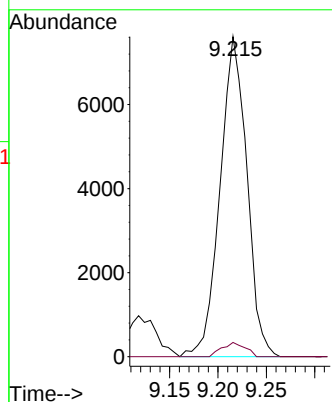
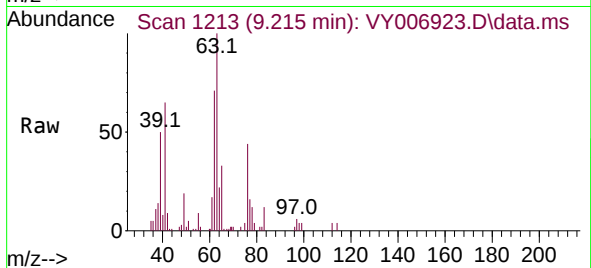
VSTD005802

Tgt Ion: 63 Resp: 14698

Ion Ratio Lower Upper

63 100

112 3.9 3.4 5.2



#38

Bromodichloromethane

Concen: 4.908 ug/L

RT: 9.496 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VY006923.D

Acq: 03 Dec 2021 17:43

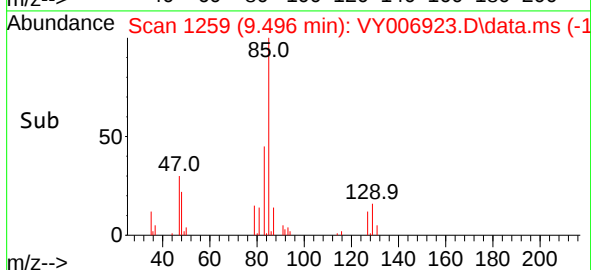
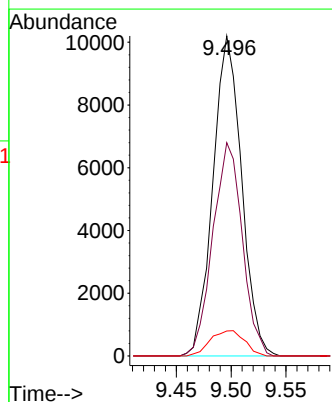
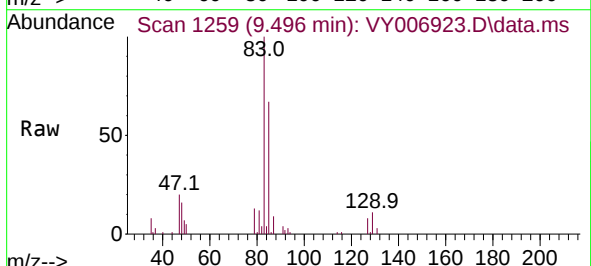
Tgt Ion: 83 Resp: 18583

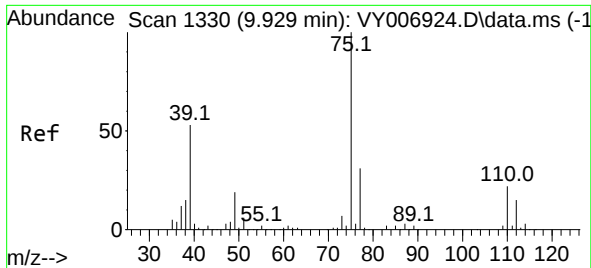
Ion Ratio Lower Upper

83 100

85 66.6 45.4 84.2

127 7.8 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 5.233 ug/L

RT: 9.929 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY006923.D

Acq: 03 Dec 2021 17:43

Instrument :

MSVOA_Y

ClientSampleId :

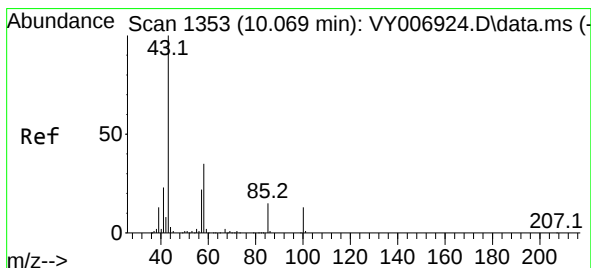
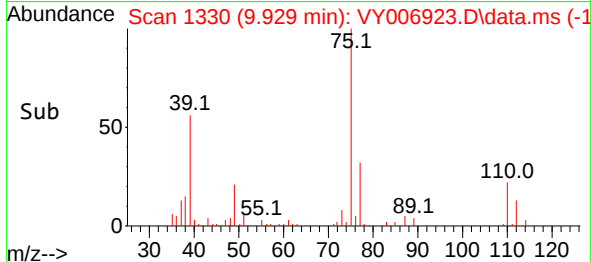
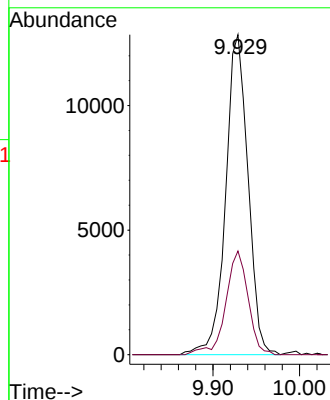
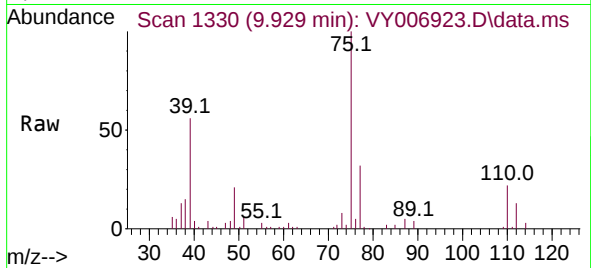
VSTD005802

Tgt Ion: 75 Resp: 23022

Ion Ratio Lower Upper

75 100

77 32.4 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 11.323 ug/L

RT: 10.069 min Scan# 1353

Delta R.T. -0.000 min

Lab File: VY006923.D

Acq: 03 Dec 2021 17:43

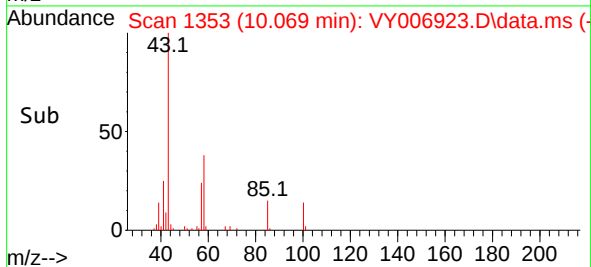
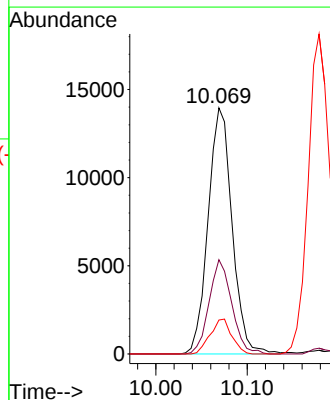
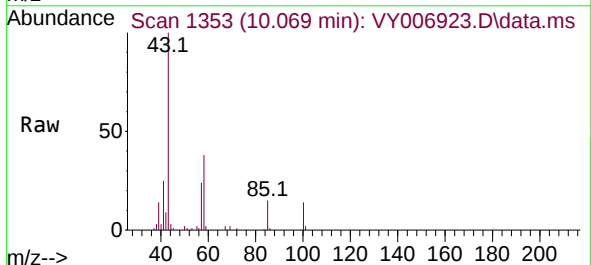
Tgt Ion: 43 Resp: 25456

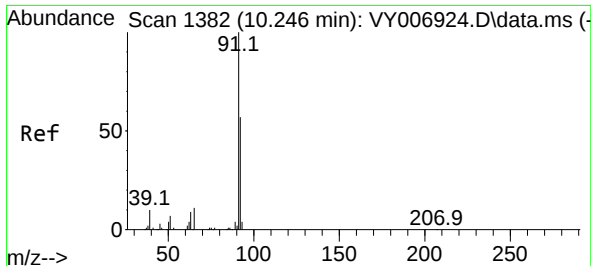
Ion Ratio Lower Upper

43 100

58 36.1 28.6 43.0

100 12.7 11.1 16.7

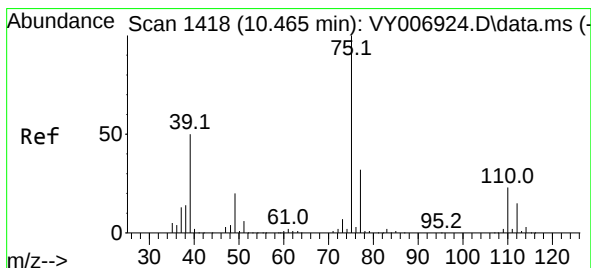
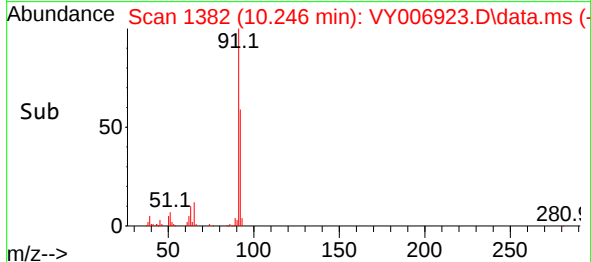
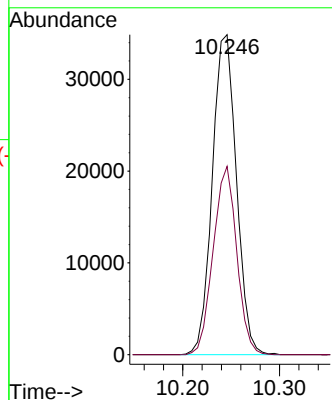
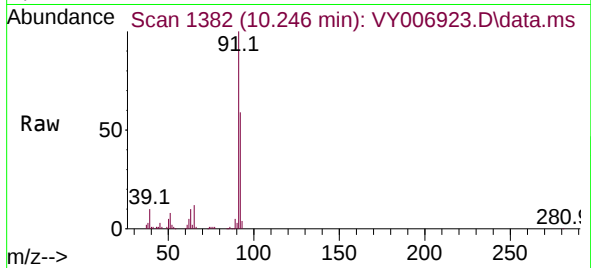




#42
Toluene
Concen: 4.865 ug/L
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY006923.D
Acq: 03 Dec 2021 17:43

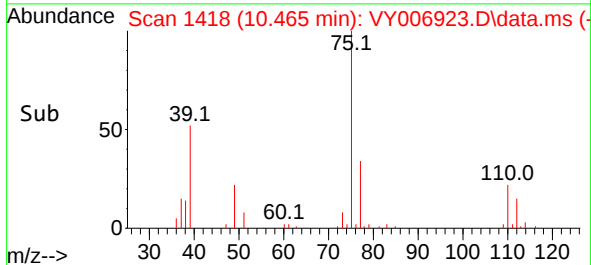
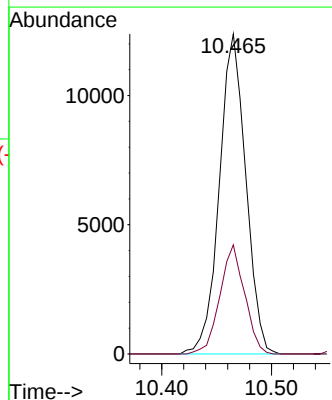
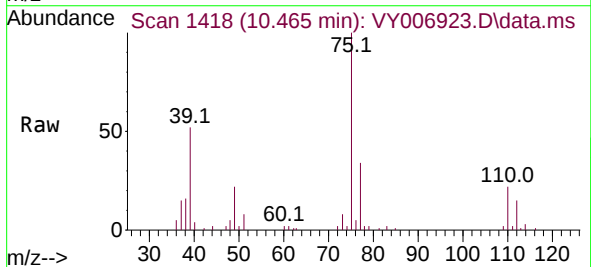
Instrument :
MSVOA_Y
ClientSampleId :
VSTD005802

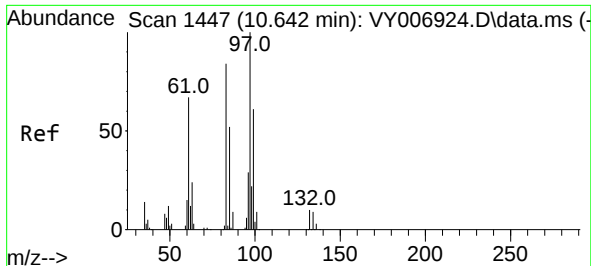
Tgt Ion: 91 Resp: 60462
Ion Ratio Lower Upper
91 100
92 58.9 39.8 74.0



#44
trans-1,3-Dichloropropene
Concen: 4.988 ug/L
RT: 10.465 min Scan# 1418
Delta R.T. -0.000 min
Lab File: VY006923.D
Acq: 03 Dec 2021 17:43

Tgt Ion: 75 Resp: 20744
Ion Ratio Lower Upper
75 100
77 34.1 22.6 42.0

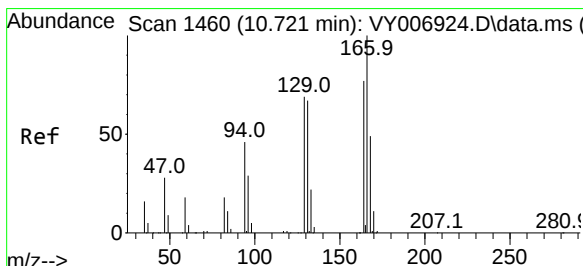
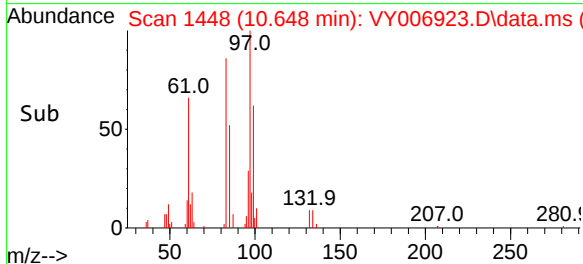
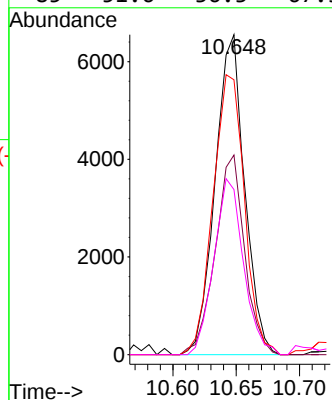
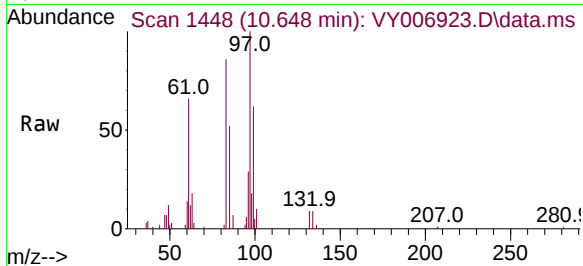




#45
1,1,2-Trichloroethane
Concen: 5.168 ug/L
RT: 10.648 min Scan# 1447
Delta R.T. 0.006 min
Lab File: VY006923.D
Acq: 03 Dec 2021 17:43

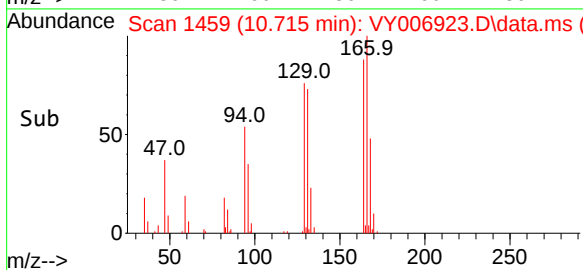
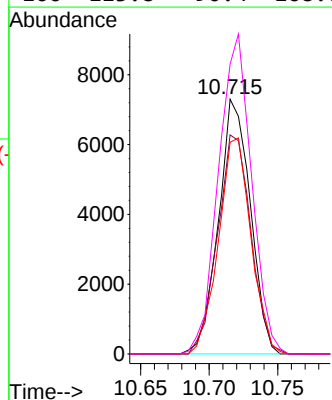
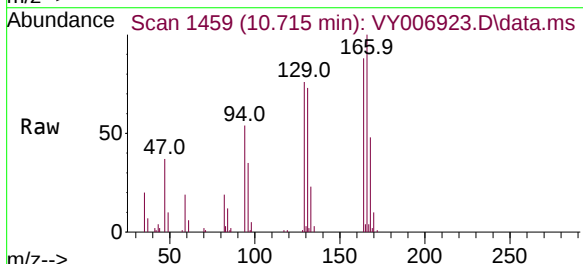
Instrument :
MSVOA_Y
ClientSampleId :
VSTD005802

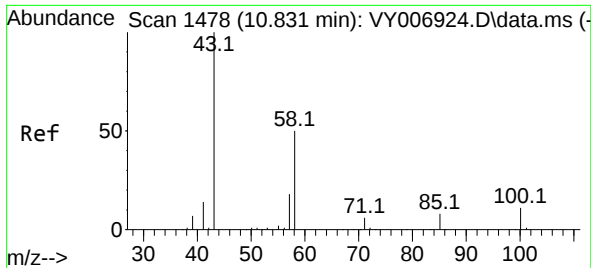
Tgt Ion: 97	Resp: 10611
Ion Ratio	Lower Upper
97 100	
99 62.4	43.0 79.8
83 85.9	58.9 109.3
85 51.6	36.3 67.3



#46
Tetrachloroethene
Concen: 4.875 ug/L
RT: 10.715 min Scan# 1459
Delta R.T. -0.006 min
Lab File: VY006923.D
Acq: 03 Dec 2021 17:43

Tgt Ion:164	Resp: 11820
Ion Ratio	Lower Upper
164 100	
129 86.0	62.1 115.3
131 83.1	61.0 113.2
166 113.8	90.4 168.0

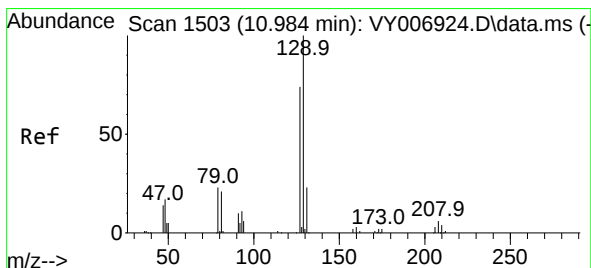
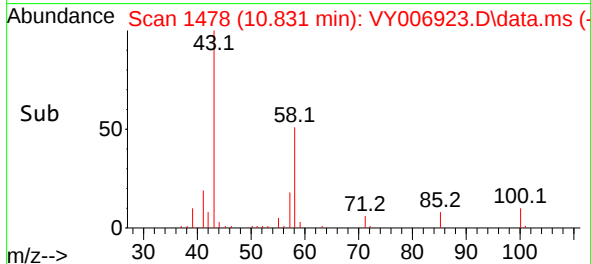
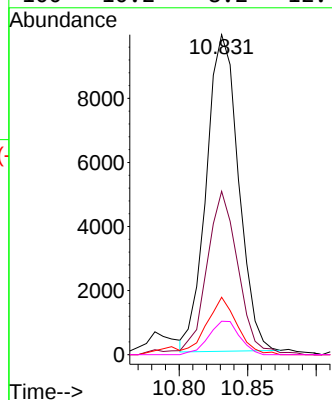
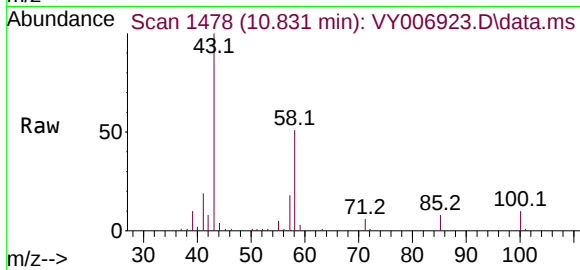




#48
2-Hexanone
Concen: 9.639 ug/L
RT: 10.831 min Scan# 1478
Delta R.T. -0.000 min
Lab File: VY006923.D
Acq: 03 Dec 2021 17:43

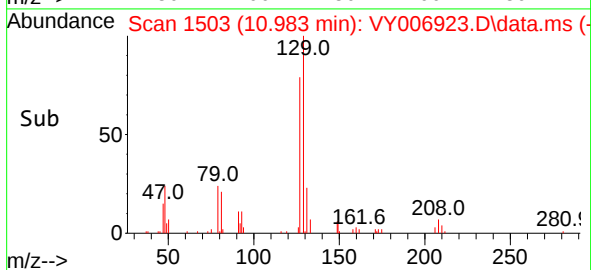
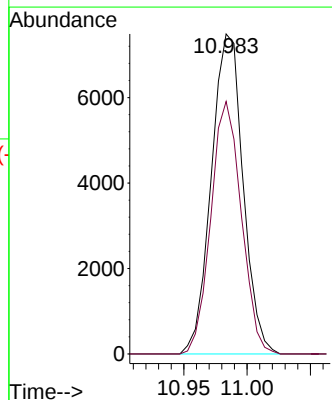
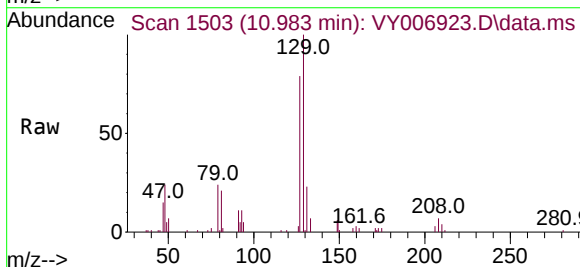
Instrument :
MSVOA_Y
ClientSampleId :
VSTD005802

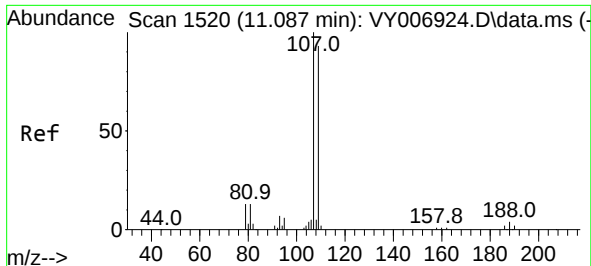
Tgt Ion: 43	Resp: 16175
Ion Ratio	Lower Upper
43 100	
58 49.6	39.9 59.9
57 17.0	14.2 21.4
100 10.2	8.2 12.4



#49
Dibromochloromethane
Concen: 5.097 ug/L
RT: 10.983 min Scan# 1503
Delta R.T. -0.000 min
Lab File: VY006923.D
Acq: 03 Dec 2021 17:43

Tgt Ion:129	Resp:	13062	
Ion	Ratio	Lower	Upper
129	100		
127	78.9	52.1	96.9





#50

1,2-Dibromoethane

Concen: 5.350 ug/L

RT: 11.087 min Scan# 1520

Delta R.T. -0.000 min

Lab File: VY006923.D

Acq: 03 Dec 2021 17:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTD005802

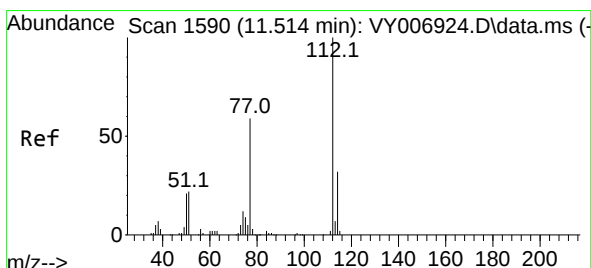
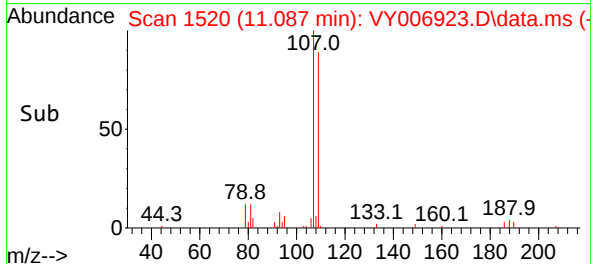
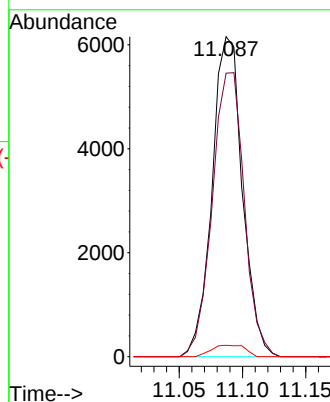
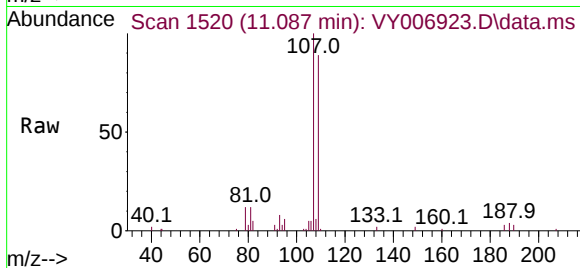
Tgt Ion:107 Resp: 10279

Ion Ratio Lower Upper

107 100

109 88.6 65.2 121.0

188 3.5 3.1 4.7



#51

Chlorobenzene

Concen: 4.950 ug/L

RT: 11.514 min Scan# 1590

Delta R.T. -0.000 min

Lab File: VY006923.D

Acq: 03 Dec 2021 17:43

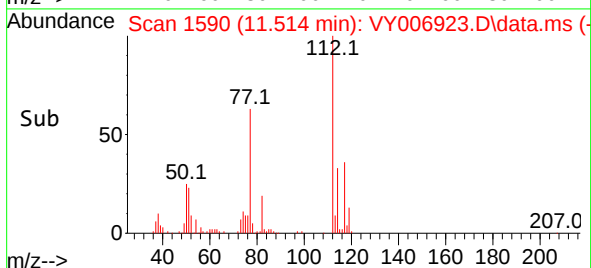
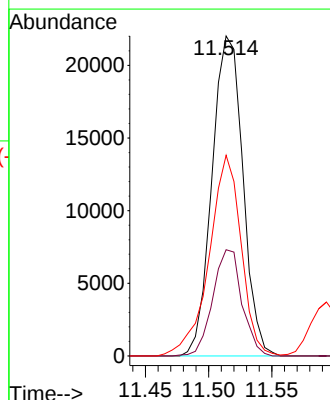
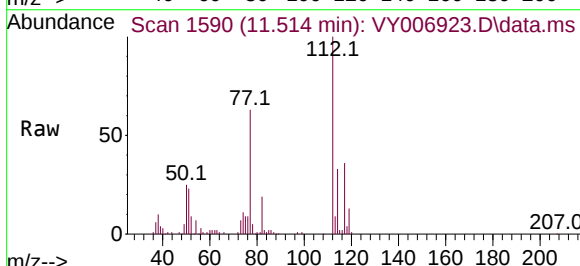
Tgt Ion:112 Resp: 37414

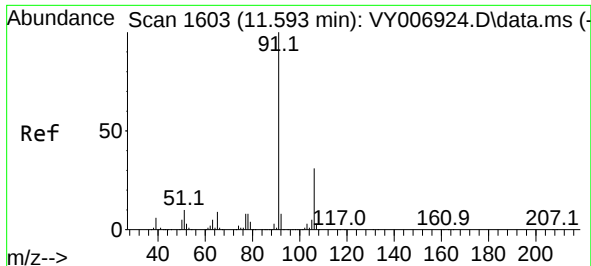
Ion Ratio Lower Upper

112 100

114 33.2 22.2 41.2

77 62.7 47.6 71.4

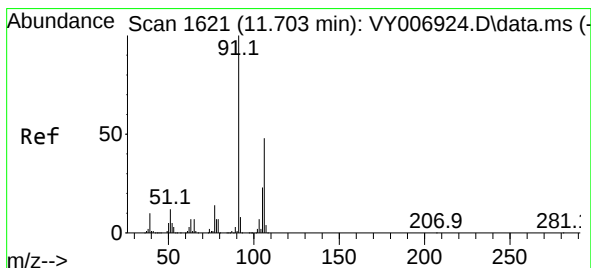
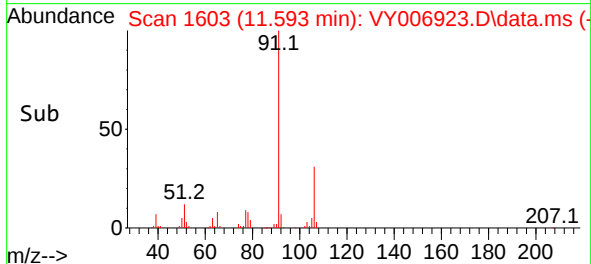
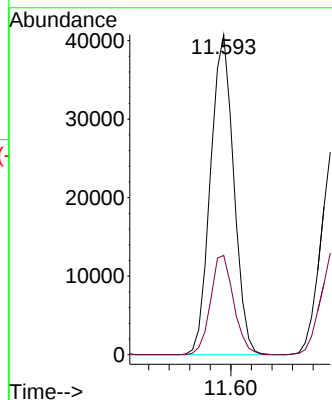
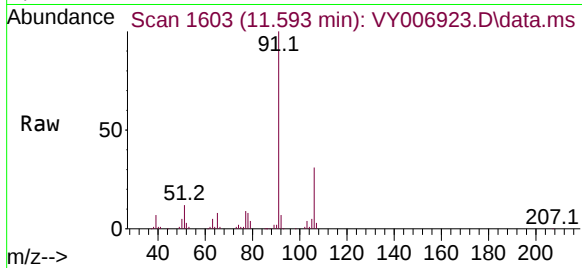




#52
Ethylbenzene
Concen: 4.797 ug/L
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY006923.D
Acq: 03 Dec 2021 17:43

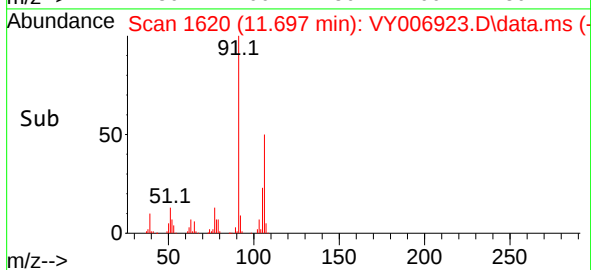
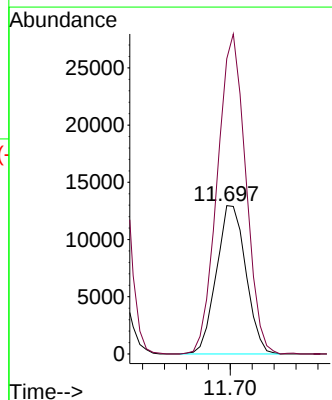
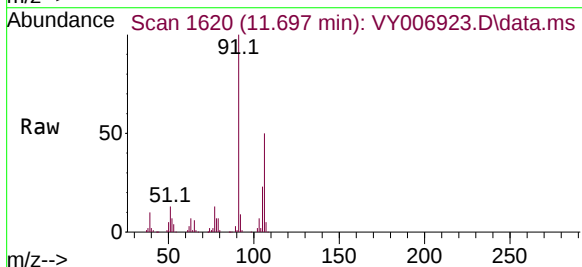
Instrument :
MSVOA_Y
ClientSampleId :
VSTD005802

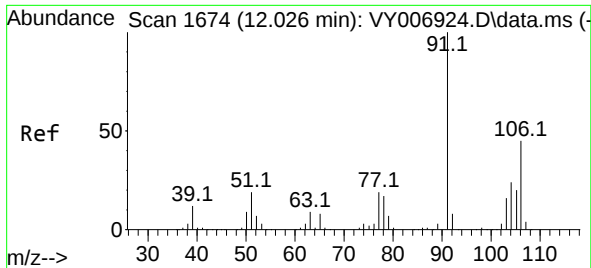
Tgt Ion: 91 Resp: 63800
Ion Ratio Lower Upper
91 100
106 31.0 21.4 39.8



#53
m,p-Xylene
Concen: 4.787 ug/L
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY006923.D
Acq: 03 Dec 2021 17:43

Tgt Ion: 106 Resp: 24234
Ion Ratio Lower Upper
106 100
91 199.0 144.7 268.7

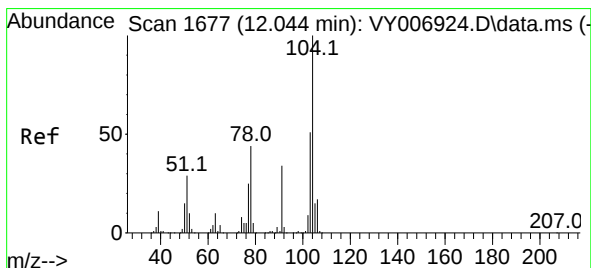
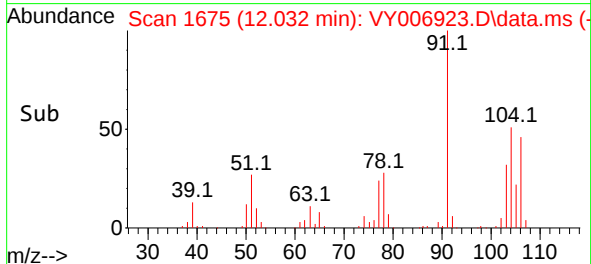
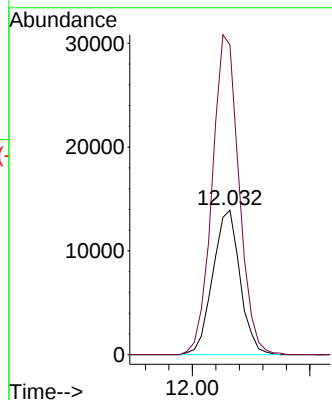
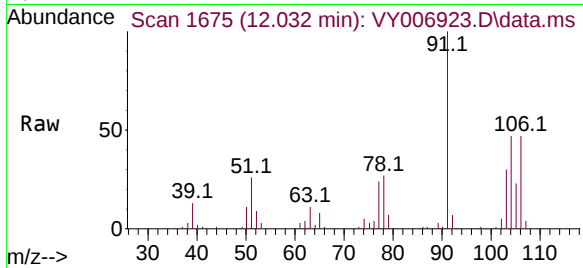




#54
o-Xylene
Concen: 4.626 ug/L
RT: 12.032 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VY006923.D
Acq: 03 Dec 2021 17:43

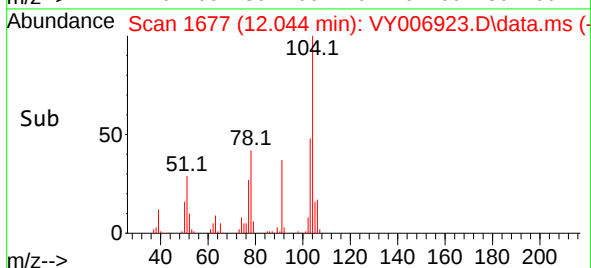
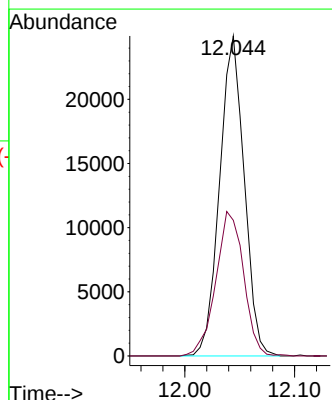
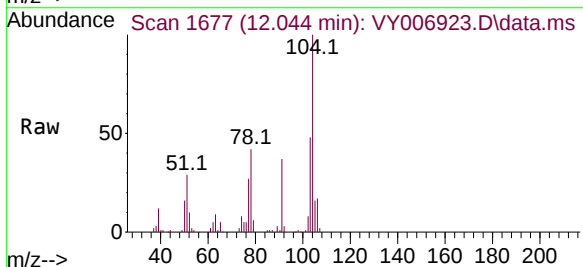
Instrument :
MSVOA_Y
ClientSampleId :
VSTD005802

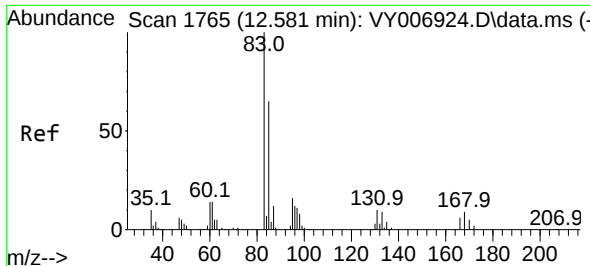
Tgt Ion:106 Resp: 22413
Ion Ratio Lower Upper
106 100
91 214.4 155.5 288.7



#55
Styrene
Concen: 4.587 ug/L
RT: 12.044 min Scan# 1677
Delta R.T. -0.000 min
Lab File: VY006923.D
Acq: 03 Dec 2021 17:43

Tgt Ion:104 Resp: 38871
Ion Ratio Lower Upper
104 100
78 42.4 30.8 57.2

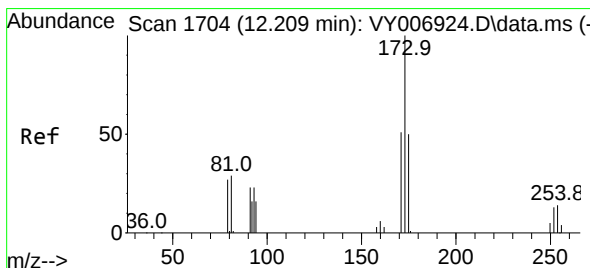
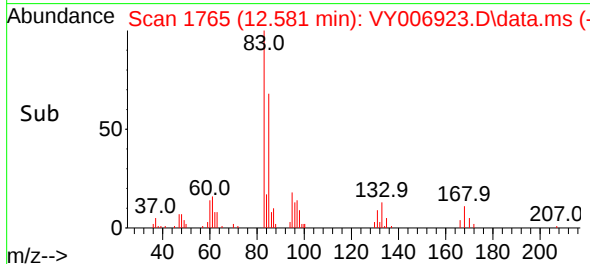
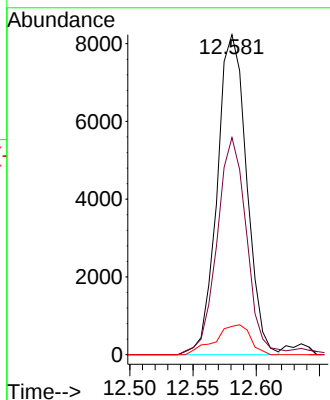
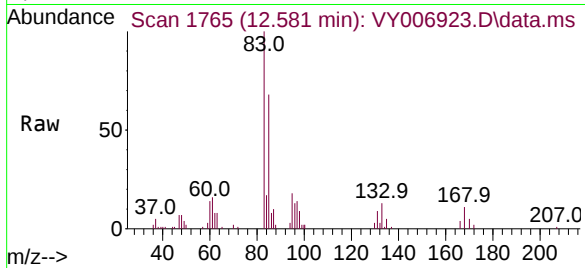




#57
1,1,2,2-Tetrachloroethane
Concen: 5.777 ug/L
RT: 12.581 min Scan# 1765
Delta R.T. -0.000 min
Lab File: VY006923.D
Acq: 03 Dec 2021 17:43

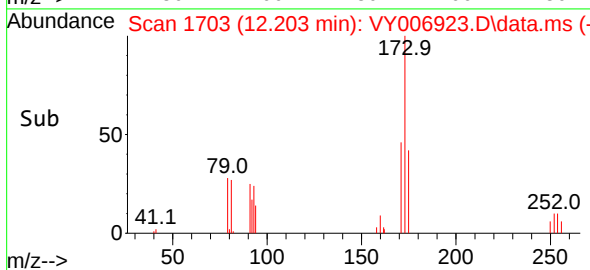
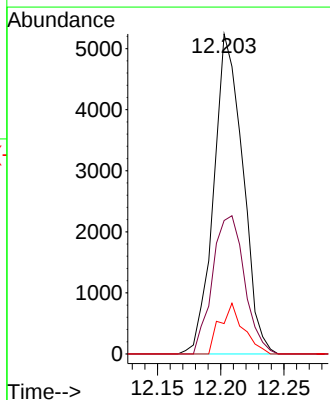
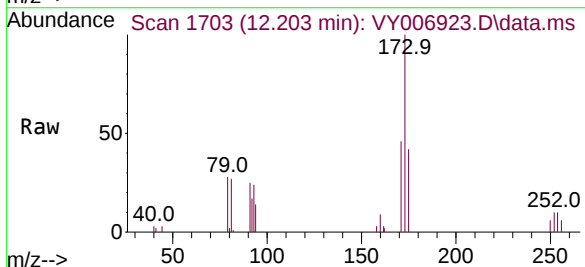
Instrument :
MSVOA_Y
ClientSampleId :
VSTD005802

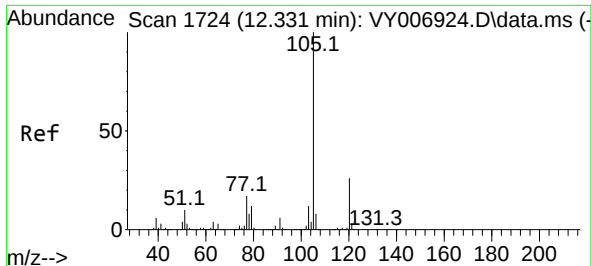
Tgt Ion:	83	Resp:	13360
Ion Ratio	Lower	Upper	
83	100		
85	67.8	45.4	84.2
131	8.8	7.8	11.8



#59
Bromoform
Concen: 5.206 ug/L
RT: 12.203 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VY006923.D
Acq: 03 Dec 2021 17:43

Tgt Ion:	173	Resp:	8356
Ion Ratio	Lower	Upper	
173	100		
175	47.6	38.6	58.0
254	12.8	10.3	15.5

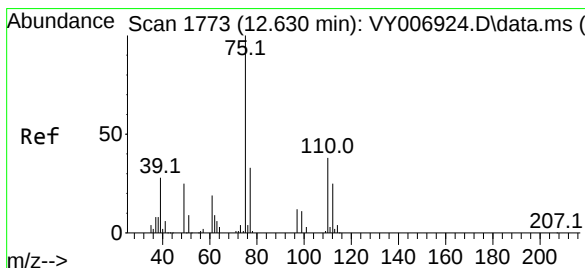
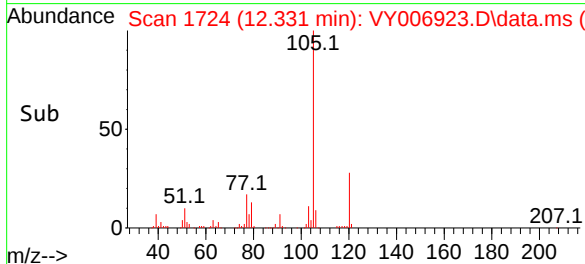
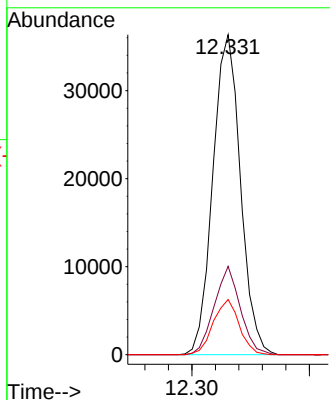
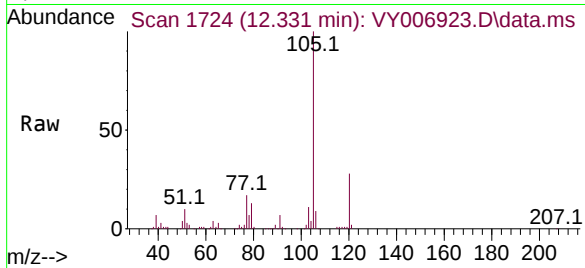




#60
Isopropylbenzene
Concen: 4.730 ug/L
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY006923.D
Acq: 03 Dec 2021 17:43

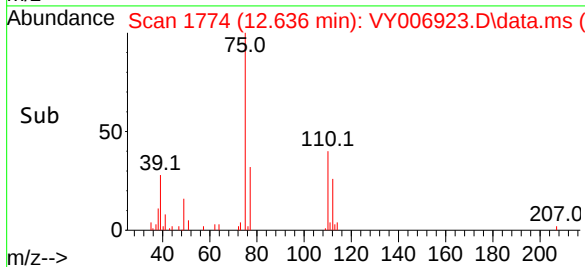
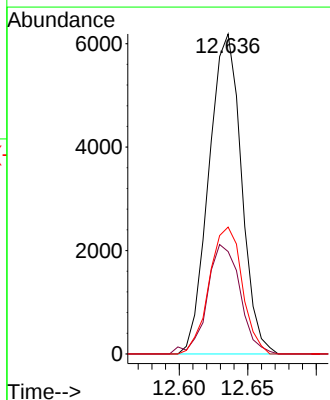
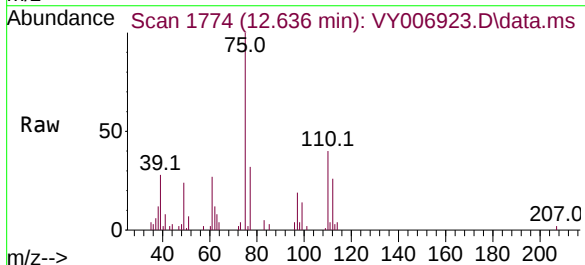
Instrument :
MSVOA_Y
ClientSampleId :
VSTD005802

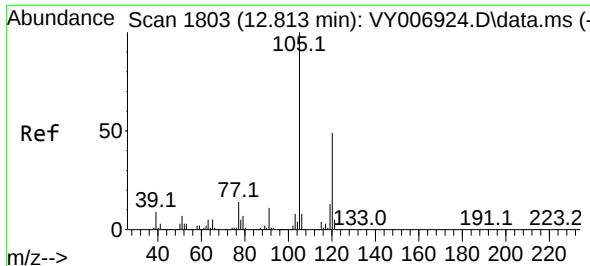
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	21.2	31.8
77	16.2	13.2	19.8



#61
1,2,3-Trichloropropane
Concen: 5.496 ug/L
RT: 12.636 min Scan# 1774
Delta R.T. 0.006 min
Lab File: VY006923.D
Acq: 03 Dec 2021 17:43

Tgt Ion	Ratio	Lower	Upper
75	100		
77	34.5	25.4	38.0
110	40.1	31.7	47.5

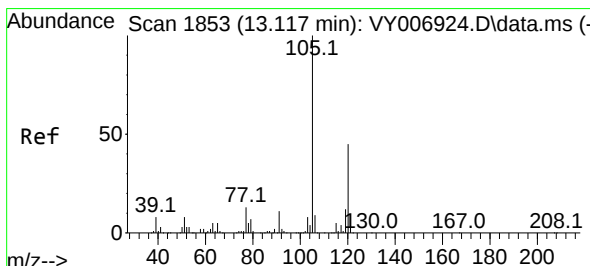
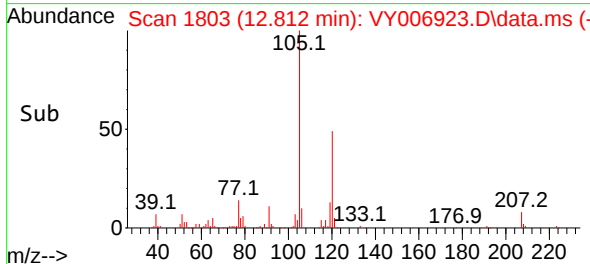
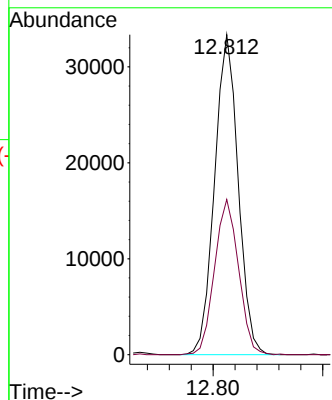
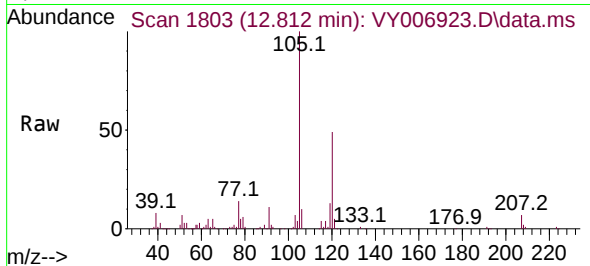




#62
1,3,5-Trimethylbenzene
Concen: 4.889 ug/L
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY006923.D
Acq: 03 Dec 2021 17:43

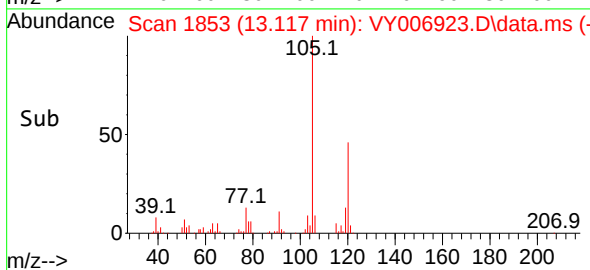
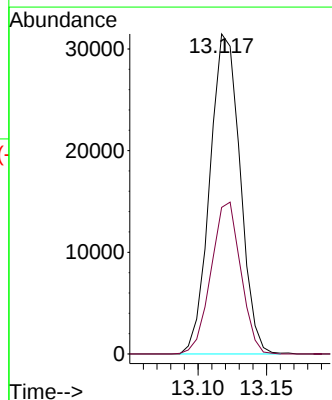
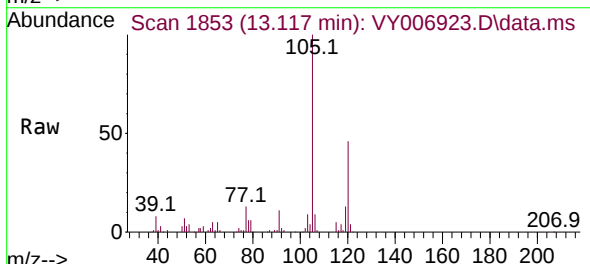
Instrument :
MSVOA_Y
ClientSampleId :
VSTD005802

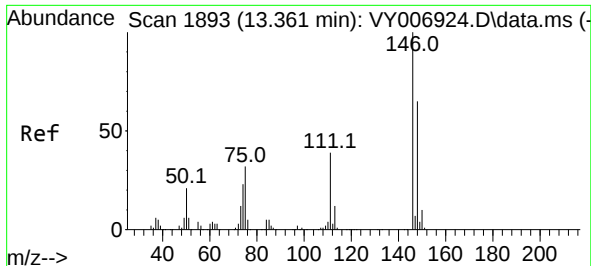
Tgt Ion:105 Resp: 49810
Ion Ratio Lower Upper
105 100
120 49.4 39.0 58.4



#63
1,2,4-Trimethylbenzene
Concen: 4.792 ug/L
RT: 13.117 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VY006923.D
Acq: 03 Dec 2021 17:43

Tgt Ion:105 Resp: 48277
Ion Ratio Lower Upper
105 100
120 46.6 36.0 54.0

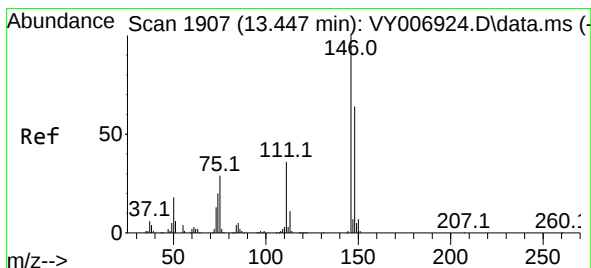
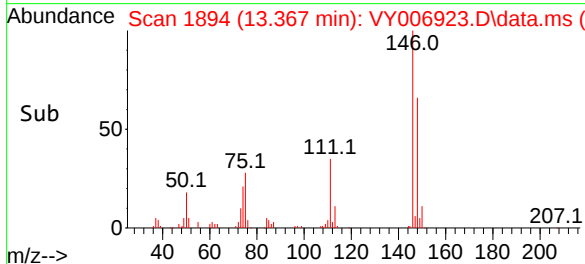
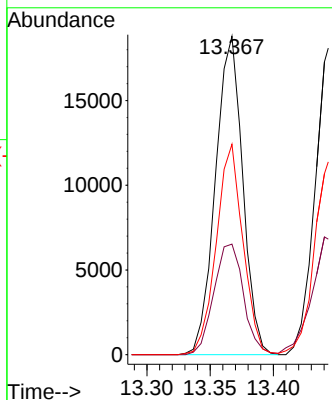
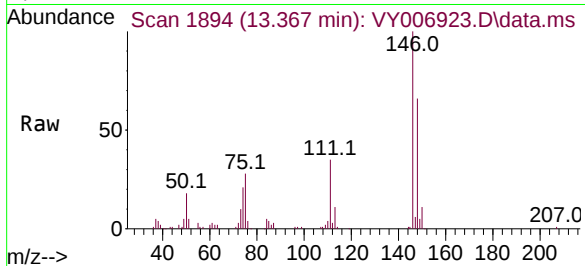




#64
1,3-Dichlorobenzene
Concen: 5.014 ug/L
RT: 13.367 min Scan# 1893
Delta R.T. 0.006 min
Lab File: VY006923.D
Acq: 03 Dec 2021 17:43

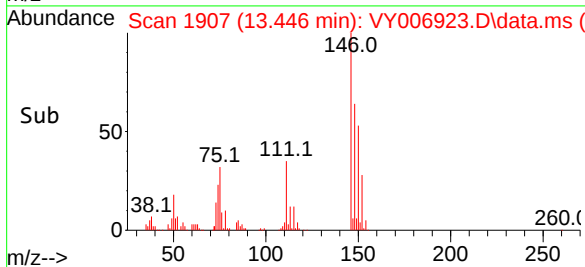
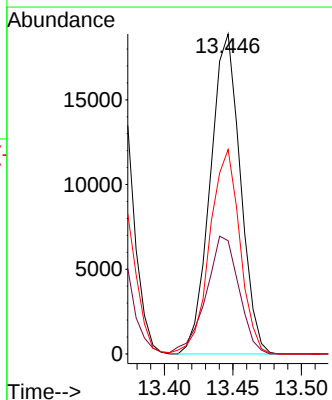
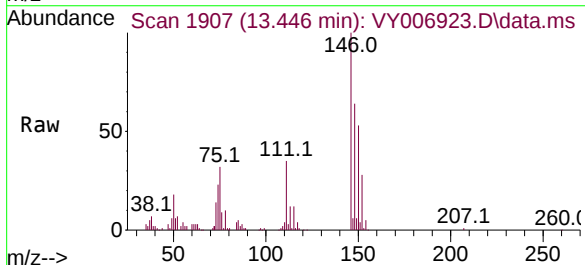
Instrument :
MSVOA_Y
ClientSampleId :
VSTD005802

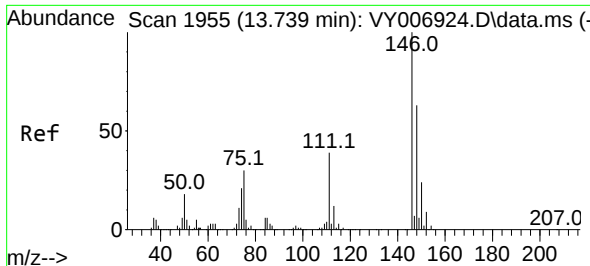
Tgt Ion:146 Resp: 28153
Ion Ratio Lower Upper
146 100
111 34.7 27.4 51.0
148 66.1 45.4 84.2



#65
1,4-Dichlorobenzene
Concen: 5.112 ug/L
RT: 13.446 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY006923.D
Acq: 03 Dec 2021 17:43

Tgt Ion:146 Resp: 28871
Ion Ratio Lower Upper
146 100
111 35.4 25.3 46.9
148 63.9 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 4.862 ug/L

RT: 13.739 min Scan# 1955

Delta R.T. -0.000 min

Lab File: VY006923.D

Acq: 03 Dec 2021 17:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTD005802

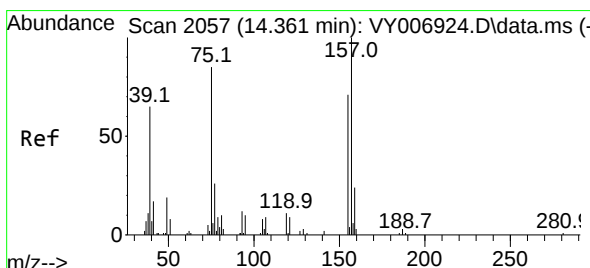
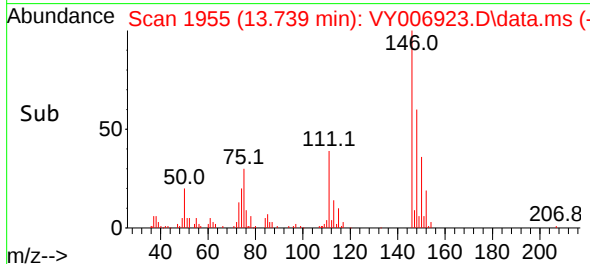
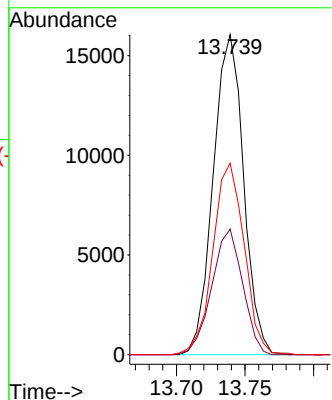
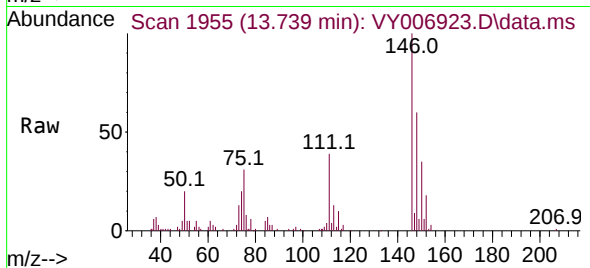
Tgt Ion:146 Resp: 24746

Ion Ratio Lower Upper

146 100

111 39.2 31.0 46.6

148 59.8 50.2 75.2



#68

1,2-Dibromo-3-chloropropane

Concen: 5.042 ug/L

RT: 14.355 min Scan# 2056

Delta R.T. -0.006 min

Lab File: VY006923.D

Acq: 03 Dec 2021 17:43

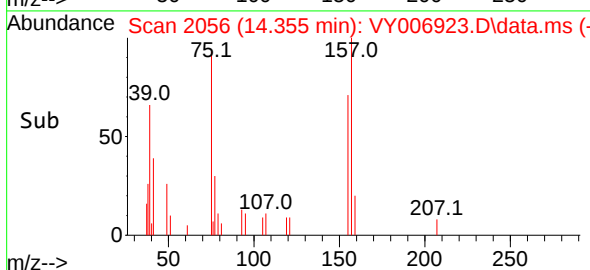
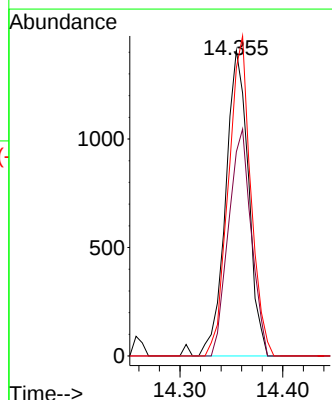
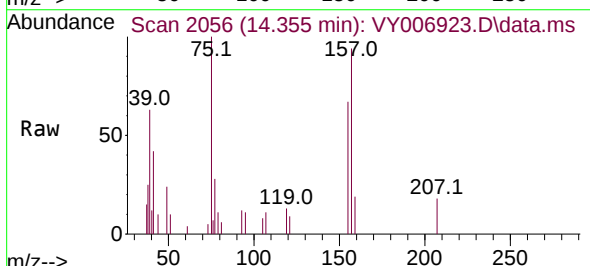
Tgt Ion: 75 Resp: 2177

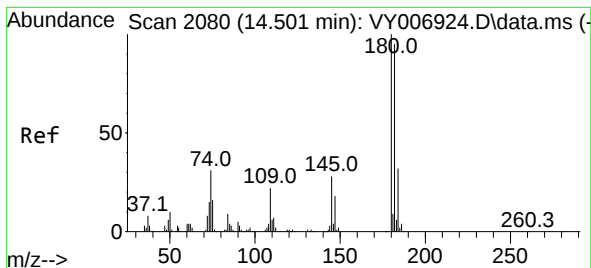
Ion Ratio Lower Upper

75 100

155 66.8 66.3 99.5

157 94.3 93.9 140.9





#69

1,3,5-Trichlorobenzene

Concen: 4.717 ug/L

RT: 14.501 min Scan# 2080

Delta R.T. -0.000 min

Lab File: VY006923.D

Acq: 03 Dec 2021 17:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTD005802

Tgt Ion:180 Resp: 18490

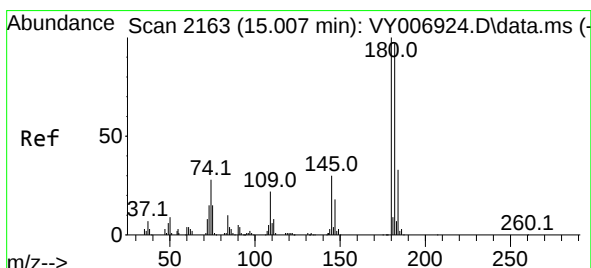
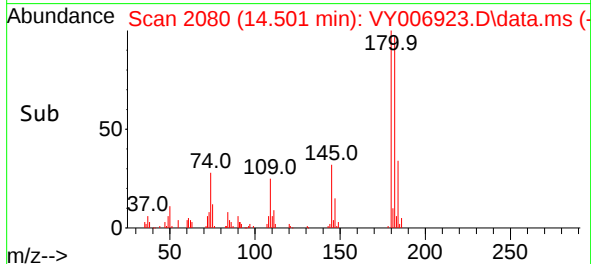
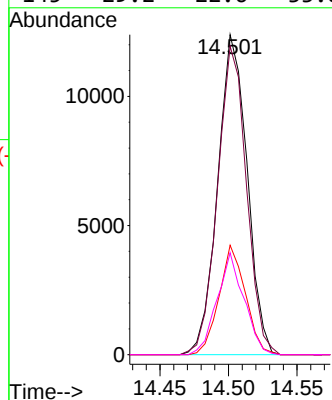
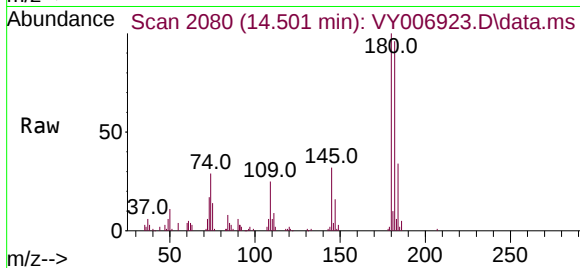
Ion Ratio Lower Upper

180 100

182 94.7 76.0 114.0

184 30.7 24.6 36.8

145 29.2 22.6 33.8



#70

1,2,4-trichlorobenzene

Concen: 4.517 ug/L

RT: 15.007 min Scan# 2163

Delta R.T. -0.000 min

Lab File: VY006923.D

Acq: 03 Dec 2021 17:43

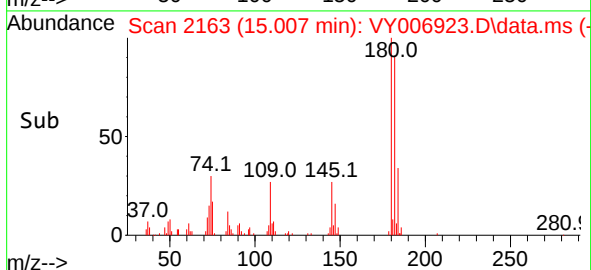
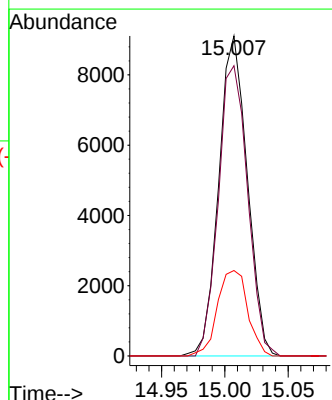
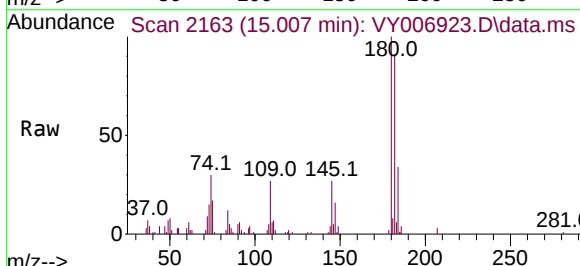
Tgt Ion:180 Resp: 14272

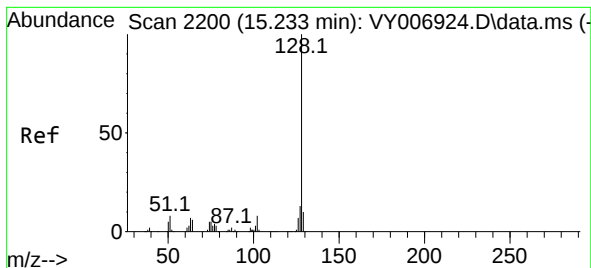
Ion Ratio Lower Upper

180 100

182 93.1 75.6 113.4

145 28.3 23.0 34.6





#71

Naphthalene

Concen: 4.566 ug/L

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY006923.D

Acq: 03 Dec 2021 17:43

Instrument :

MSVOA_Y

ClientSampleId :

VSTD005802

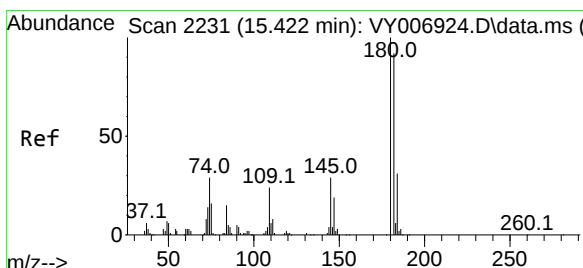
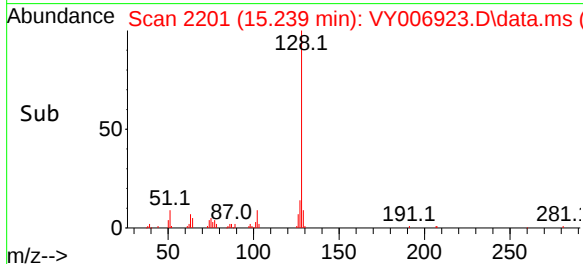
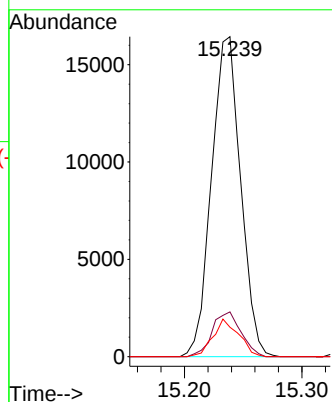
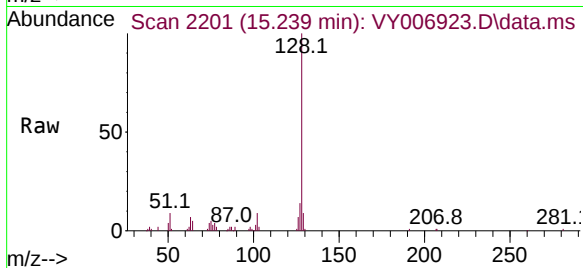
Tgt Ion:128 Resp: 28300

Ion Ratio Lower Upper

128 100

127 13.9 10.8 16.2

129 10.5 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 4.610 ug/L

RT: 15.422 min Scan# 2231

Delta R.T. -0.000 min

Lab File: VY006923.D

Acq: 03 Dec 2021 17:43

Tgt Ion:180 Resp: 12529

Ion Ratio Lower Upper

180 100

182 93.7 75.5 113.3

145 32.1 23.5 35.3

