

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120421\
 Data File : VY006929.D
 Acq On : 04 Dec 2021 10:05
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025895

Quant Time: Dec 05 06:06:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYLEM120321SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 04 02:26:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.691	114	200258	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.496	117	185064	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	92486	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.253	65	69326	26.879	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.520%
7) Chloroethane-d5	2.772	69	47952	23.701	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.800%
11) 1,1-Dichloroethene-d2	3.857	63	136631	25.482	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.920%
21) 2-Butanone-d5	6.893	46	40818	40.975	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.940%
24) Chloroform-d	7.484	84	119758	23.996	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.000%
26) 1,2-Dichloroethane-d4	8.143	65	69482	23.194	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.760%
32) Benzene-d6	8.112	84	237171	24.126	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.520%
36) 1,2-Dichloropropane-d6	9.124	67	69026	22.348	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.400%
41) Toluene-d8	10.185	98	225963	24.542	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.160%
43) trans-1,3-Dichloroprop...	10.441	79	36159	24.203	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.800%
47) 2-Hexanone-d5	10.788	63	32452	45.396	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.800%
56) 1,1,2,2-Tetrachloroeth...	12.563	84	56981	22.143	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.560%
66) 1,2-Dichlorobenzene-d4	13.721	152	70031	23.220	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.924	85	25778	20.389	ug/L	97
3) Chloromethane	2.119	50	63787	26.284	ug/L	100
5) Vinyl chloride	2.260	62	98303	27.499	ug/L	100
6) Bromomethane	2.668	94	57151	26.450	ug/L	99
8) Chloroethane	2.808	64	55548	26.188	ug/L	96
9) Trichlorofluoromethane	3.131	101	78914	30.398	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.912	101	67422	26.789	ug/L	97
12) 1,1-Dichloroethene	3.875	96	74328	27.428	ug/L	94
13) Acetone	3.942	43	42115	46.130	ug/L	99
14) Carbon disulfide	4.198	76	243068	27.208	ug/L	100
15) Methyl Acetate	4.479	43	46899	23.563	ug/L	100
16) Methylene chloride	4.716	84	79688	22.190	ug/L	96
17) trans-1,2-Dichloroethene	5.228	96	77709	26.893	ug/L	97
18) Methyl tert-butyl Ether	5.222	73	140062	26.870	ug/L	99
19) 1,1-Dichloroethane	6.021	63	141017	25.947	ug/L	95
20) cis-1,2-Dichloroethene	6.990	96	82576	26.651	ug/L	96
22) 2-Butanone	6.990	43	62532	48.964	ug/L	100
23) Bromochloromethane	7.338	128	37950	26.841	ug/L	99
25) Chloroform	7.509	83	147221	26.889	ug/L	99

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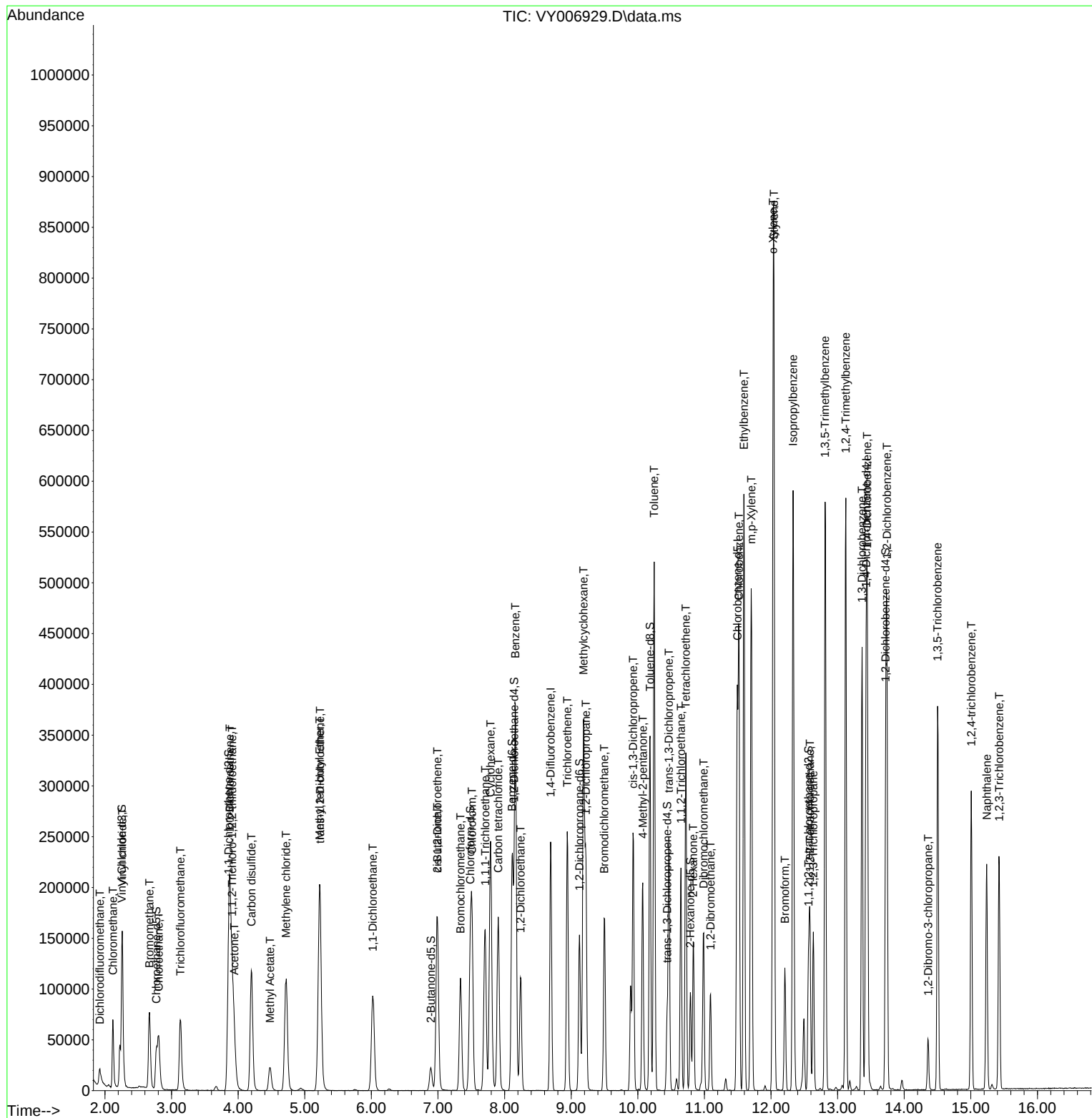
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.240	62	103936	26.196	ug/L	100
29) Cyclohexane	7.789	56	137852	26.726	ug/L	98
30) 1,1,1-Trichloroethane	7.710	97	130023	27.619	ug/L	99
31) Carbon tetrachloride	7.905	117	124586	27.735	ug/L	100
33) Benzene	8.161	78	331277	26.625	ug/L	100
34) Trichloroethene	8.941	95	83732	27.322	ug/L	96
35) Methylcyclohexane	9.185	83	150627	27.429	ug/L	100
37) 1,2-Dichloropropane	9.222	63	82785	25.956	ug/L	98
38) Bromodichloromethane	9.496	83	110047	26.632	ug/L	98
39) cis-1,3-Dichloropropene	9.929	75	133644	26.693	ug/L	100
40) 4-Methyl-2-pentanone	10.075	43	138262	49.701	ug/L	98
42) Toluene	10.246	91	362882	27.338	ug/L	99
44) trans-1,3-Dichloropropene	10.465	75	126303	26.995	ug/L	99
45) 1,1,2-Trichloroethane	10.648	97	61825	26.310	ug/L	97
46) Tetrachloroethene	10.721	164	71107	27.694	ug/L	97
48) 2-Hexanone	10.831	43	96461	52.544	ug/L	100
49) Dibromochloromethane	10.990	129	76556	26.770	ug/L	98
50) 1,2-Dibromoethane	11.093	107	58589	26.345	ug/L	98
51) Chlorobenzene	11.520	112	220070	27.184	ug/L	98
52) Ethylbenzene	11.593	91	390096	27.340	ug/L	99
53) m,p-Xylene	11.703	106	149087	27.622	ug/L	100
54) o-Xylene	12.032	106	139737	27.522	ug/L	93
55) Styrene	12.044	104	244138	27.483	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.587	83	73036	25.759	ug/L	98
59) Bromoform	12.209	173	50277	26.655	ug/L	99
60) Isopropylbenzene	12.331	105	372295	27.508	ug/L	99
61) 1,2,3-Trichloropropane	12.636	75	57604	25.624	ug/L	99
62) 1,3,5-Trimethylbenzene	12.812	105	302761	27.207	ug/L	100
63) 1,2,4-Trimethylbenzene	13.123	105	301236	27.675	ug/L	100
64) 1,3-Dichlorobenzene	13.367	146	165817	27.223	ug/L	98
65) 1,4-Dichlorobenzene	13.447	146	162980	26.258	ug/L	98
67) 1,2-Dichlorobenzene	13.739	146	147423	27.029	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.361	75	12292	25.394	ug/L	95
69) 1,3,5-Trichlorobenzene	14.501	180	111292	26.848	ug/L	98
70) 1,2,4-trichlorobenzene	15.007	180	89644	26.813	ug/L	99
71) Naphthalene	15.239	128	178059	26.579	ug/L	99
72) 1,2,3-Trichlorobenzene	15.428	180	73365	25.970	ug/L	97

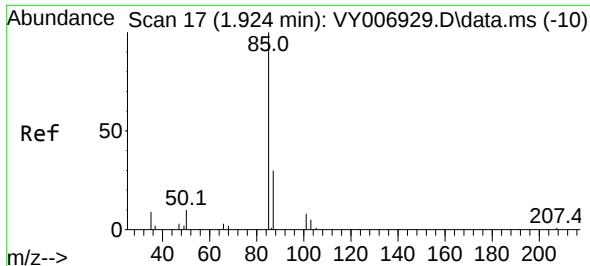
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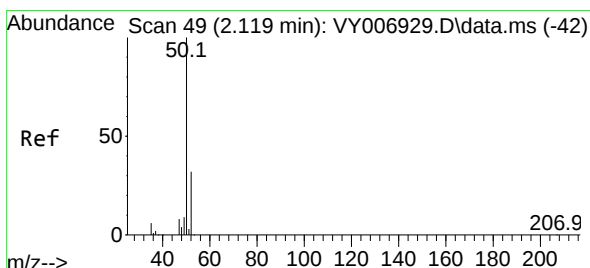
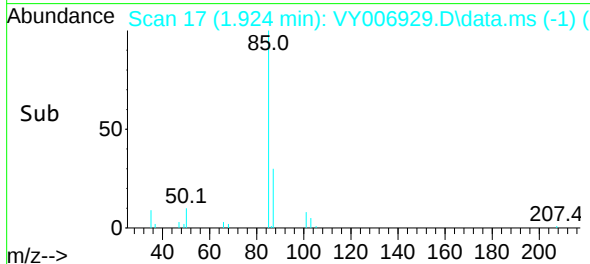
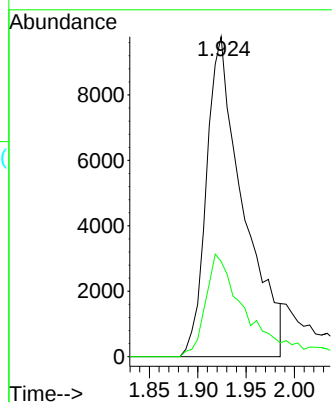
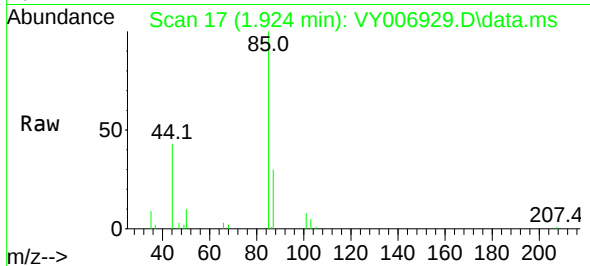




#2
Dichlorodifluoromethane
Concen: 20.389 ug/L
RT: 1.924 min Scan# 17
Delta R.T. 0.006 min
Lab File: VY006929.D
Acq: 04 Dec 2021 10:05

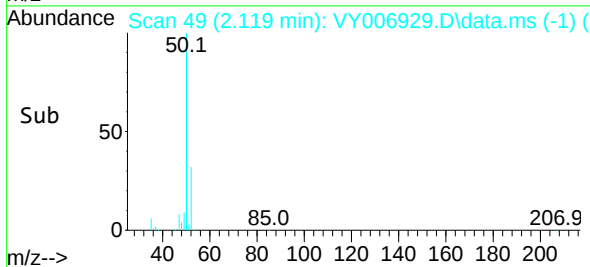
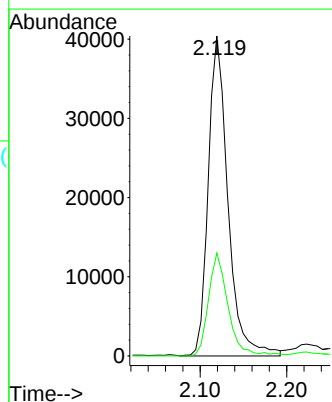
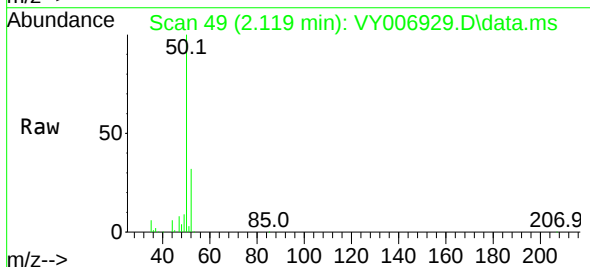
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MSVOA_Y
ClientSampleId :
VSTD025895

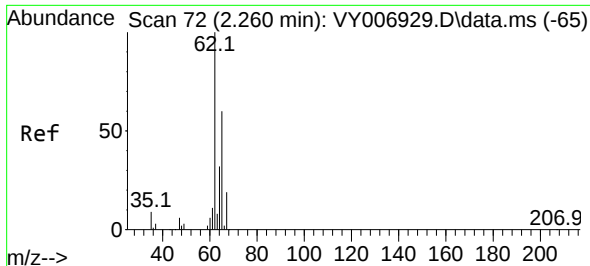
Tgt Ion: 85 Resp: 25778
Ion Ratio Lower Upper
85 100
87 34.3 26.3 39.5



#3
Chloromethane
Concen: 26.284 ug/L
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY006929.D
Acq: 04 Dec 2021 10:05

Tgt Ion: 50 Resp: 63787
Ion Ratio Lower Upper
50 100
52 32.1 22.7 42.1

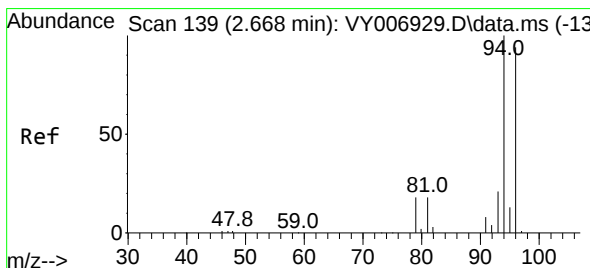
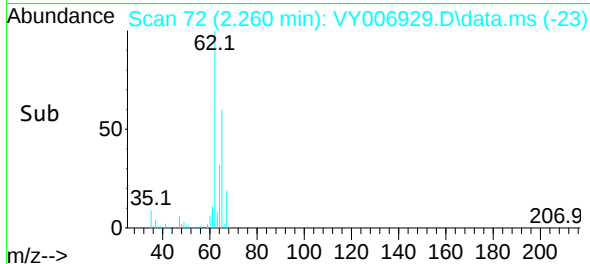
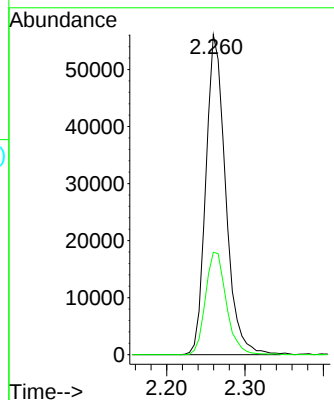
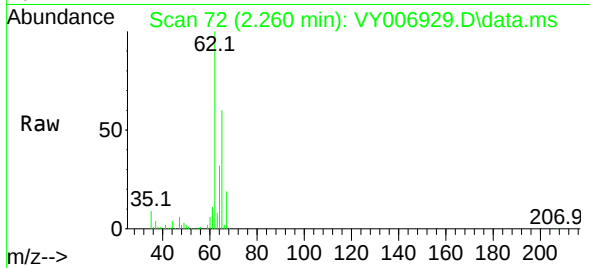




#5
 Vinyl chloride
 Concen: 27.499 ug/L
 RT: 2.260 min Scan# 72
 Delta R.T. -0.000 min
 Lab File: VY006929.D
 Acq: 04 Dec 2021 10:05

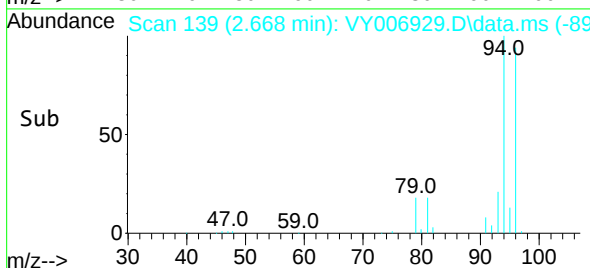
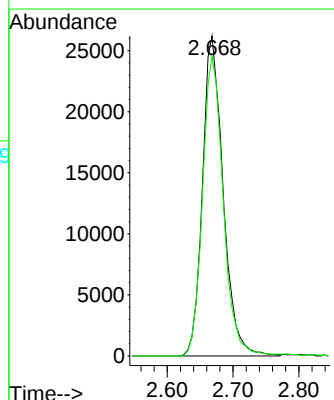
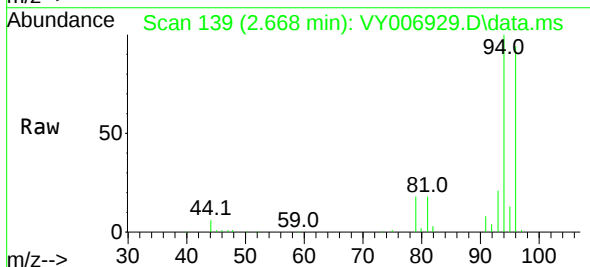
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD025895

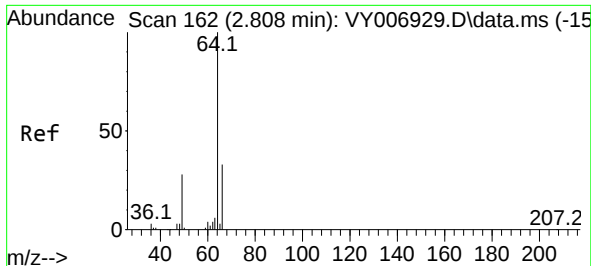
Tgt Ion: 62 Resp: 98303
 Ion Ratio Lower Upper
 62 100
 64 32.0 22.4 41.6



#6
 Bromomethane
 Concen: 26.450 ug/L
 RT: 2.668 min Scan# 139
 Delta R.T. 0.006 min
 Lab File: VY006929.D
 Acq: 04 Dec 2021 10:05

Tgt Ion: 94 Resp: 57151
 Ion Ratio Lower Upper
 94 100
 96 93.6 66.5 123.5

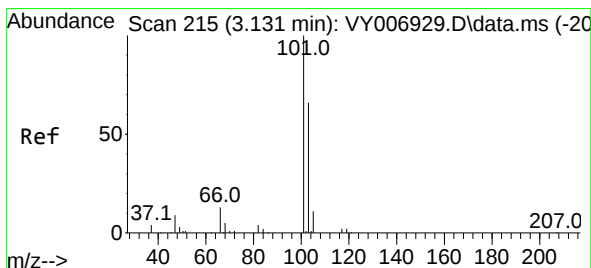
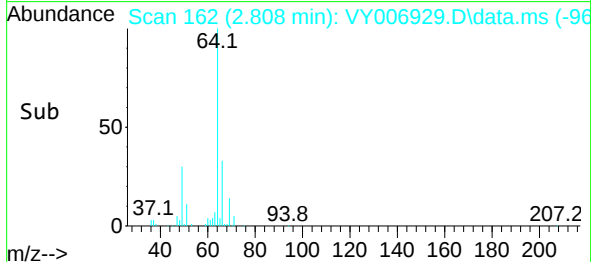
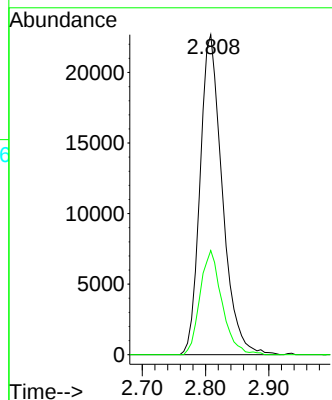
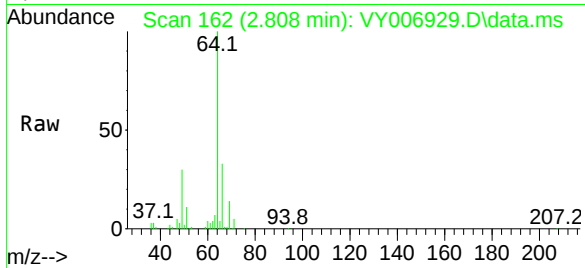




#8
Chloroethane
Concen: 26.188 ug/L
RT: 2.808 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY006929.D
Acq: 04 Dec 2021 10:05

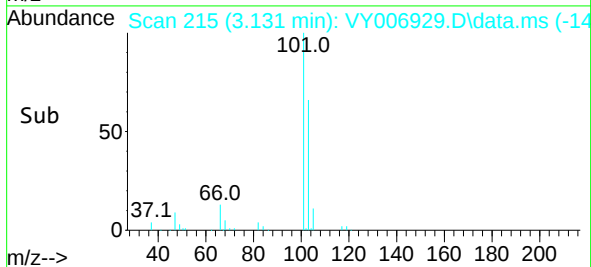
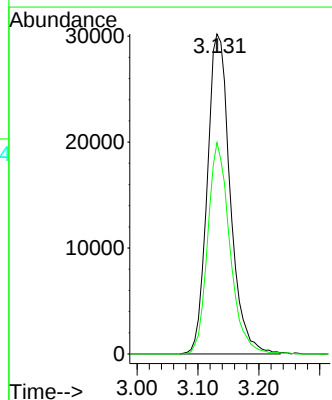
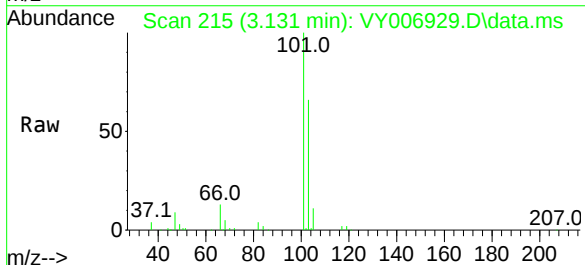
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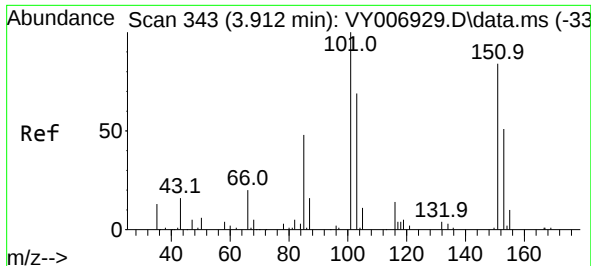
Tgt Ion: 64 Resp: 55548
Ion Ratio Lower Upper
64 100
66 32.6 21.1 39.3



#9
Trichlorofluoromethane
Concen: 30.398 ug/L
RT: 3.131 min Scan# 215
Delta R.T. -0.000 min
Lab File: VY006929.D
Acq: 04 Dec 2021 10:05

Tgt Ion:101 Resp: 78914
Ion Ratio Lower Upper
101 100
103 63.7 51.3 76.9





#10

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

Concen: 26.789 ug/L

RT: 3.912 min Scan# 343

Delta R.T. 0.006 min

Lab File: VY006929.D

Acq: 04 Dec 2021 10:05

Instrument :

MSVOA_Y

ClientSampleId :

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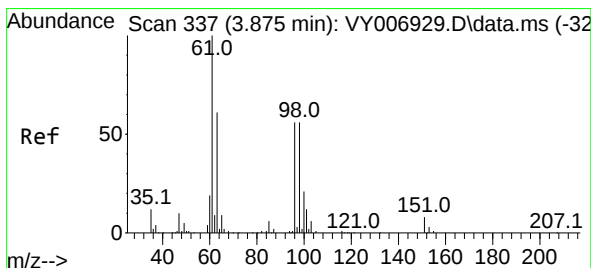
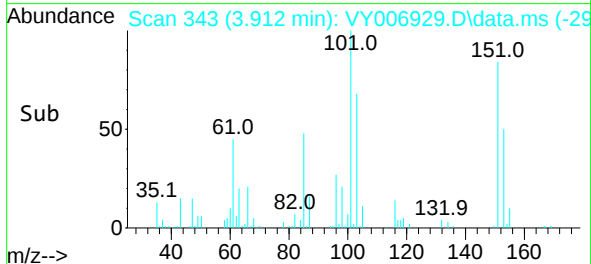
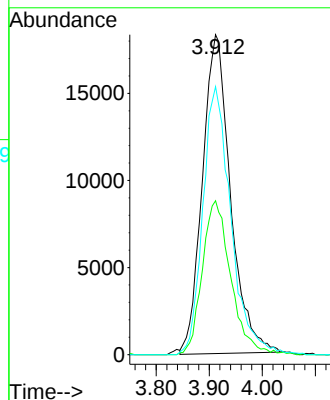
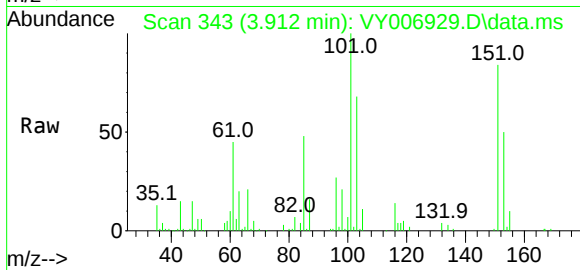
Tgt Ion:101 Resp: 67422

Ion Ratio Lower Upper

101 100

85 48.6 38.2 57.2

151 83.4 64.2 96.4



#12

1,1-Dichloroethene

Concen: 27.428 ug/L

RT: 3.875 min Scan# 337

Delta R.T. 0.006 min

Lab File: VY006929.D

Acq: 04 Dec 2021 10:05

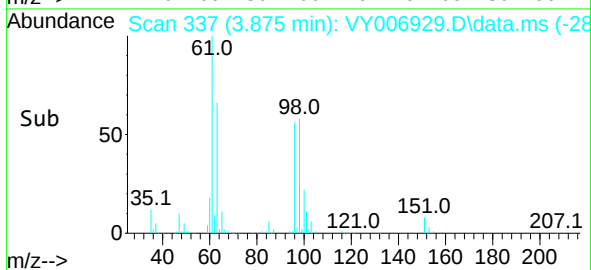
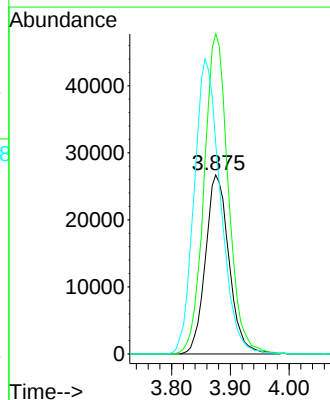
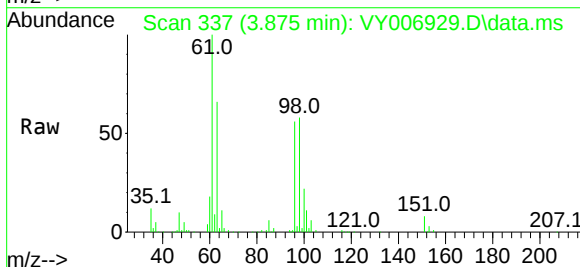
Tgt Ion: 96 Resp: 74328

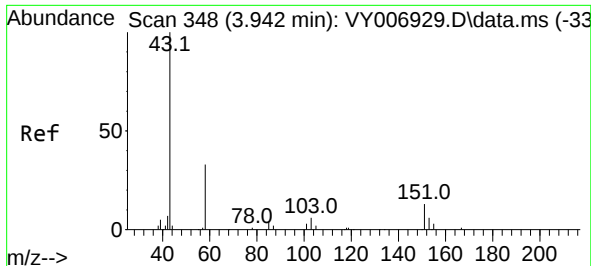
Ion Ratio Lower Upper

96 100

61 178.8 123.3 229.1

63 117.7 91.2 169.4





#13

Acetone

Concen: 46.130 ug/L

RT: 3.942 min Scan# 348

Delta R.T. -0.000 min

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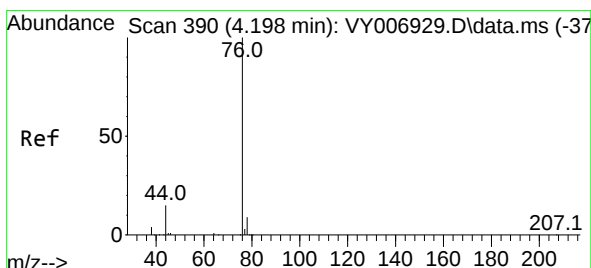
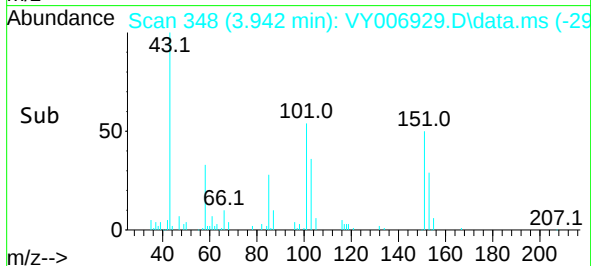
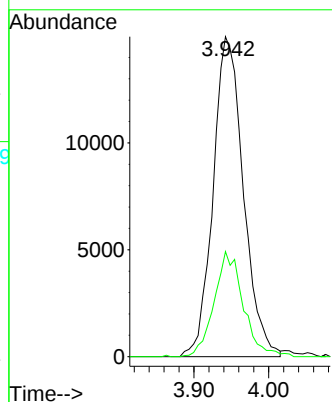
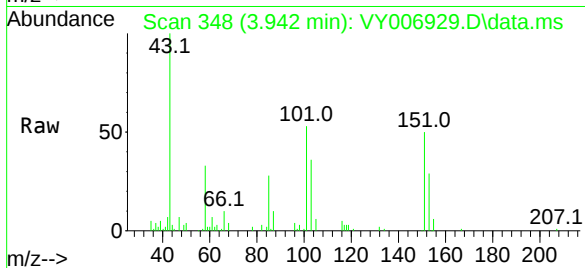
VSTD025895

Tgt Ion: 43 Resp: 42115

Ion Ratio Lower Upper

43 100

58 30.8 0.0 60.8



#14

Carbon disulfide

Concen: 27.208 ug/L

RT: 4.198 min Scan# 390

Delta R.T. -0.000 min

Lab File: VY006929.D

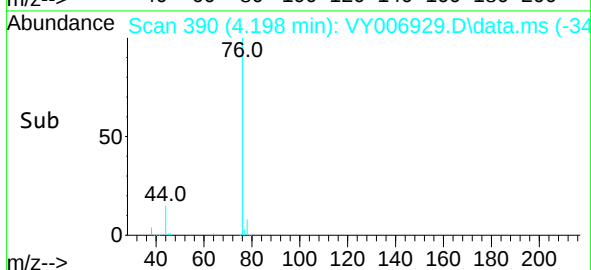
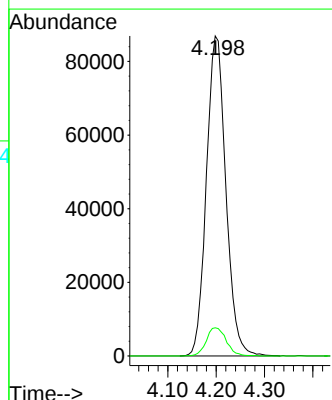
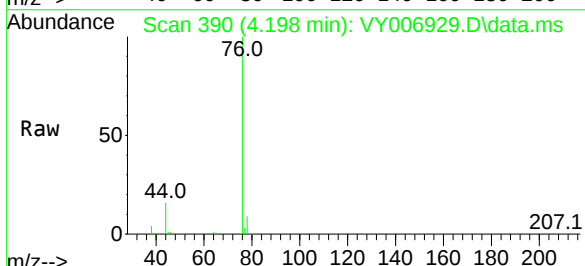
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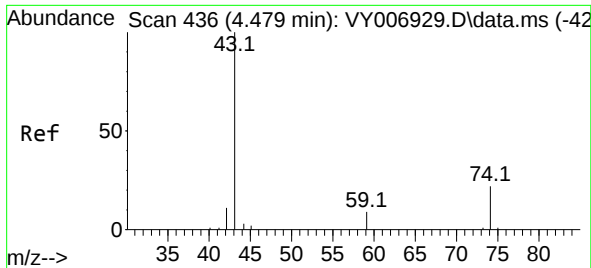
Tgt Ion: 76 Resp: 243068

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.4

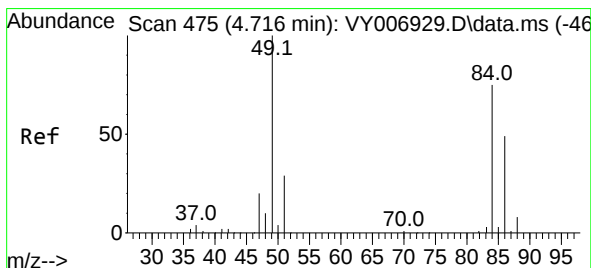
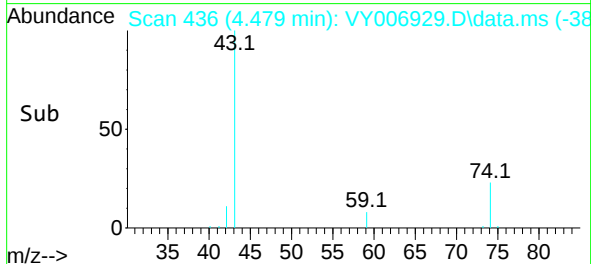
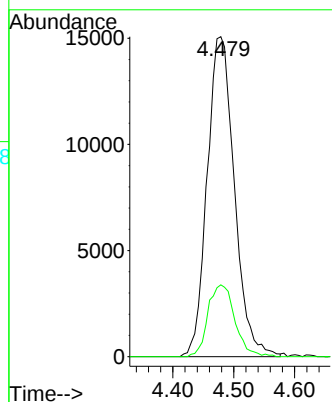
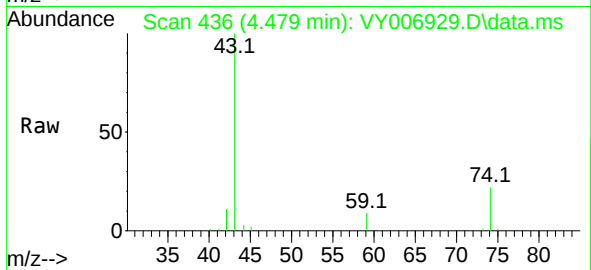




#15
Methyl Acetate
Concen: 23.563 ug/L
RT: 4.479 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY006929.D
Acq: 04 Dec 2021 10:05

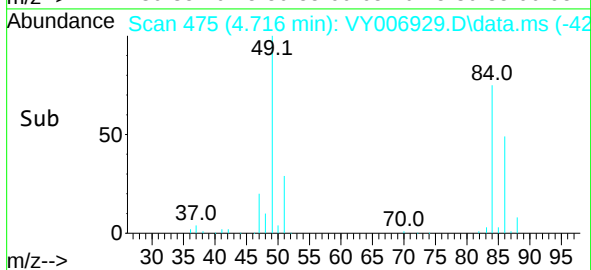
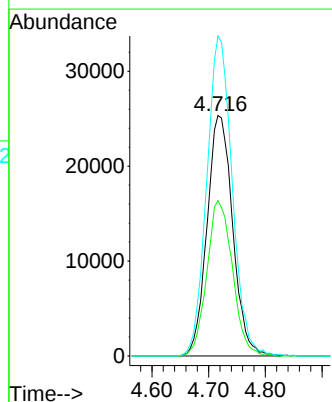
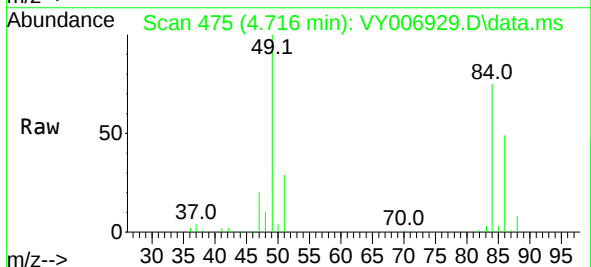
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025895

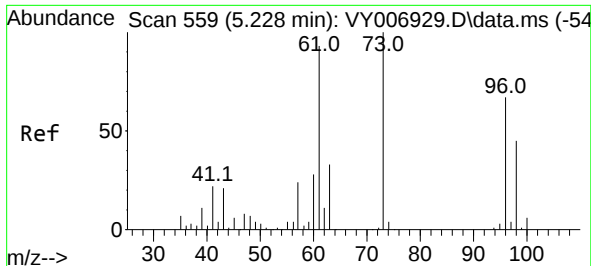
Tgt Ion: 43 Resp: 46899
Ion Ratio Lower Upper
43 100
74 22.0 17.4 26.2



#16
Methylene chloride
Concen: 22.190 ug/L
RT: 4.716 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY006929.D
Acq: 04 Dec 2021 10:05

Tgt Ion: 84 Resp: 79688
Ion Ratio Lower Upper
84 100
86 64.6 43.4 80.6
49 133.0 89.1 165.5





#17

trans-1,2-Dichloroethene

Concen: 26.893 ug/L

RT: 5.228 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY006929.D

Acq: 04 Dec 2021 10:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025895

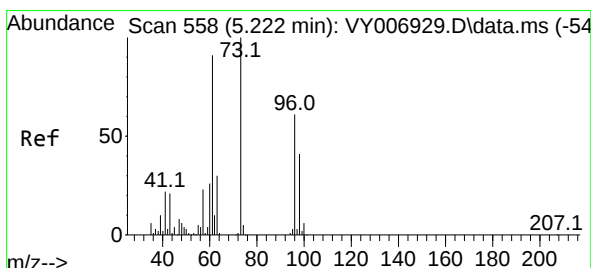
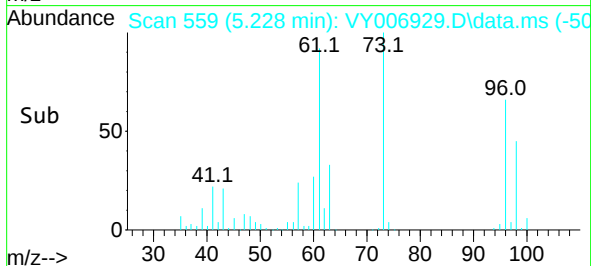
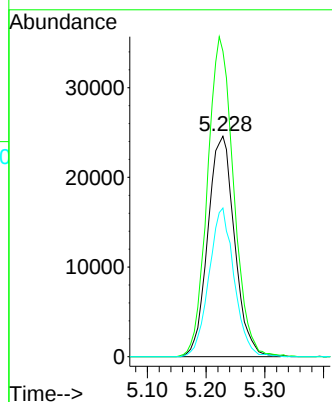
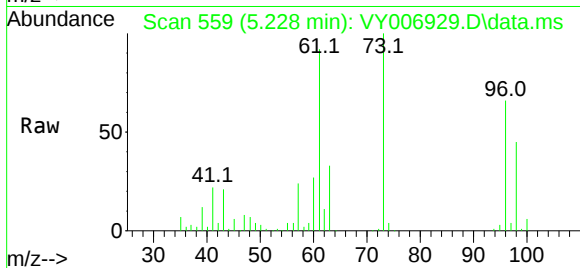
Tgt Ion: 96 Resp: 77709

Ion Ratio Lower Upper

96 100

61 138.5 98.5 182.9

98 67.4 43.7 81.1



#18

Methyl tert-butyl Ether

Concen: 26.870 ug/L

RT: 5.222 min Scan# 558

Delta R.T. 0.006 min

Lab File: VY006929.D

Acq: 04 Dec 2021 10:05

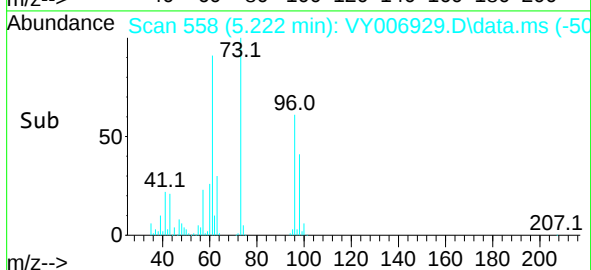
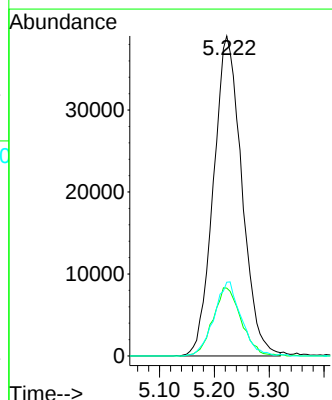
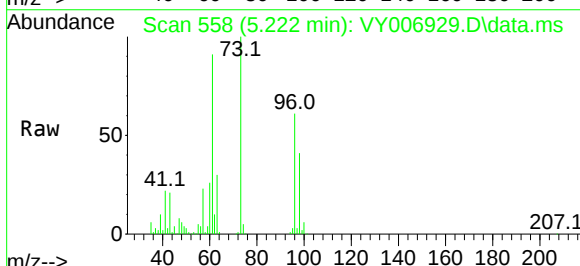
Tgt Ion: 73 Resp: 140062

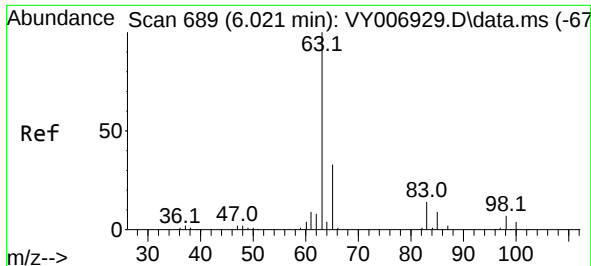
Ion Ratio Lower Upper

73 100

43 21.2 16.9 25.3

57 22.1 18.1 27.1





#19

1,1-Dichloroethane

Concen: 25.947 ug/L

RT: 6.021 min Scan# 689

Delta R.T. 0.006 min

Lab File: VY006929.D

Acq: 04 Dec 2021 10:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025895

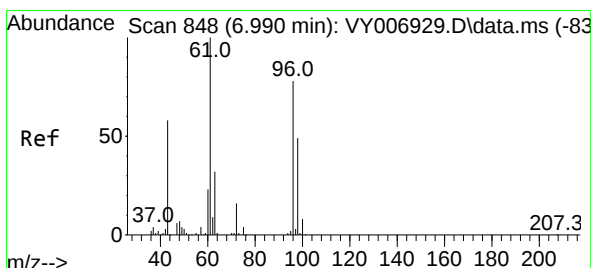
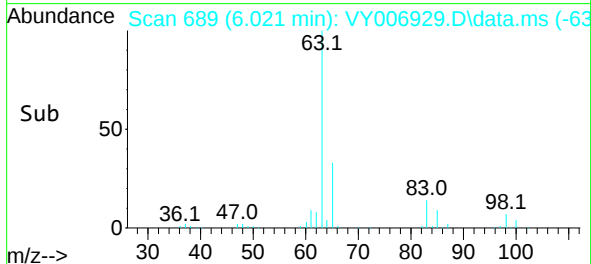
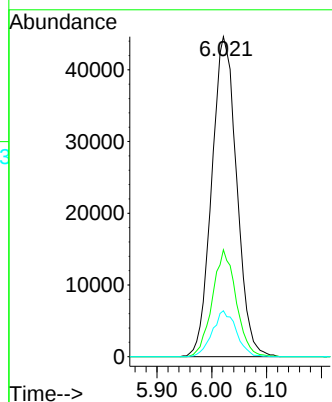
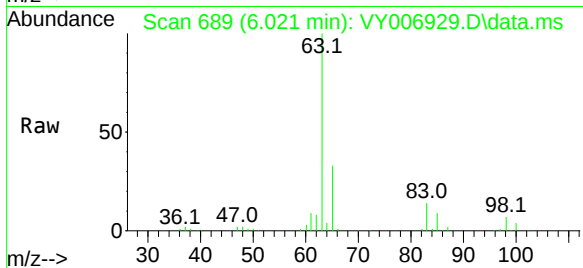
Tgt Ion: 63 Resp: 141017

Ion Ratio Lower Upper

63 100

65 33.4 21.0 39.0

83 14.3 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 26.651 ug/L

RT: 6.990 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY006929.D

Acq: 04 Dec 2021 10:05

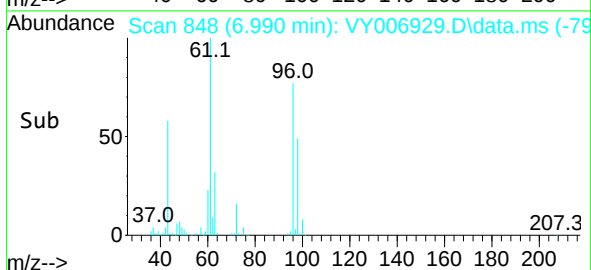
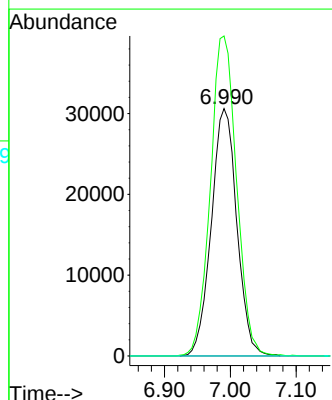
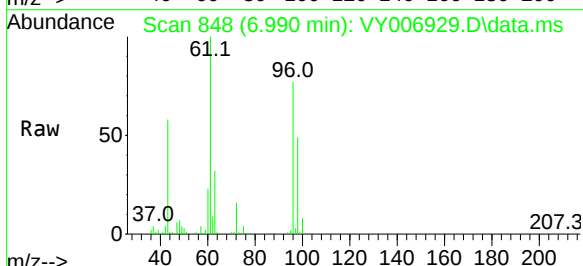
Tgt Ion: 96 Resp: 82576

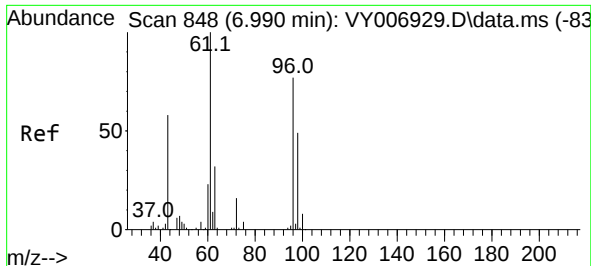
Ion Ratio Lower Upper

96 100

61 129.3 94.2 175.0

68 0.0 0.0 0.0

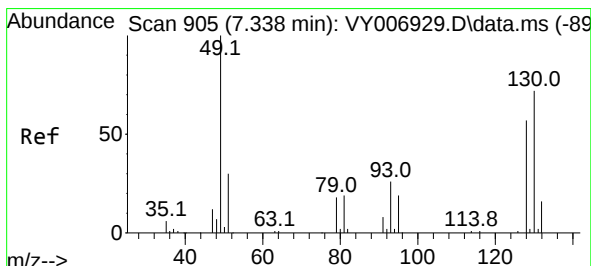
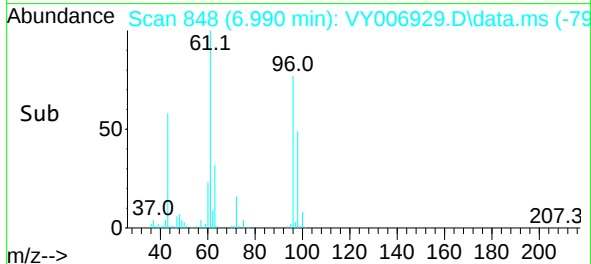
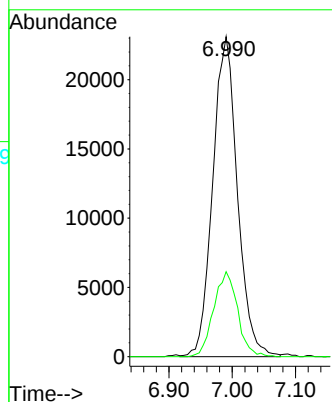
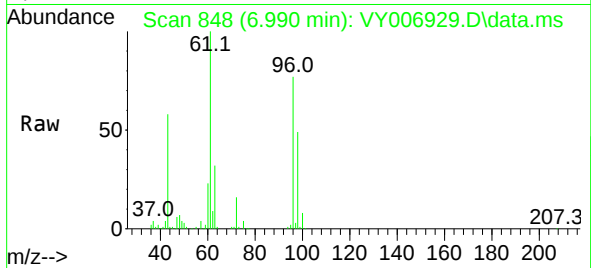




#22
2-Butanone
Concen: 48.964 ug/L
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY006929.D
Acq: 04 Dec 2021 10:05

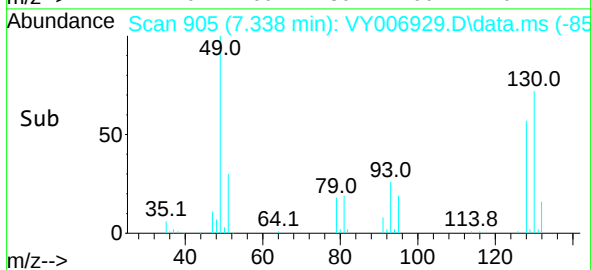
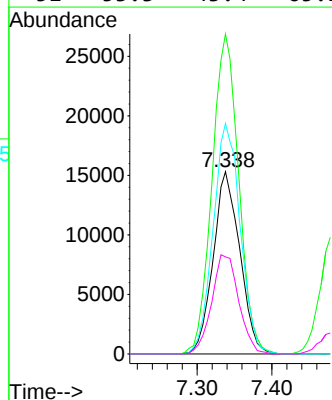
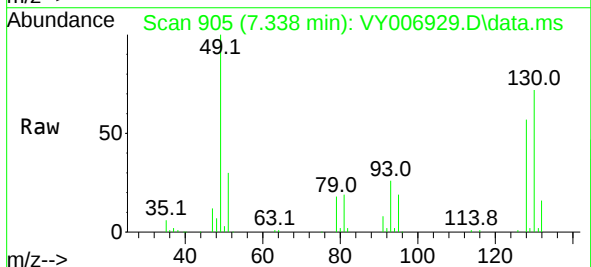
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025895

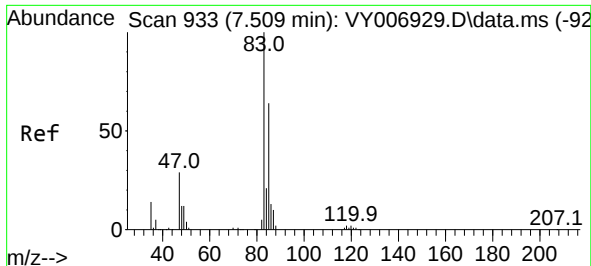
Tgt Ion: 43 Resp: 62532
Ion Ratio Lower Upper
43 100
72 25.7 12.9 38.6



#23
Bromochloromethane
Concen: 26.841 ug/L
RT: 7.338 min Scan# 905
Delta R.T. -0.000 min
Lab File: VY006929.D
Acq: 04 Dec 2021 10:05

Tgt Ion: 128 Resp: 37950
Ion Ratio Lower Upper
128 100
49 175.5 123.5 229.3
130 126.4 88.5 164.4
51 53.3 43.4 65.2

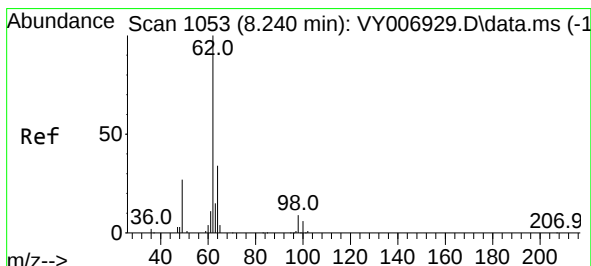
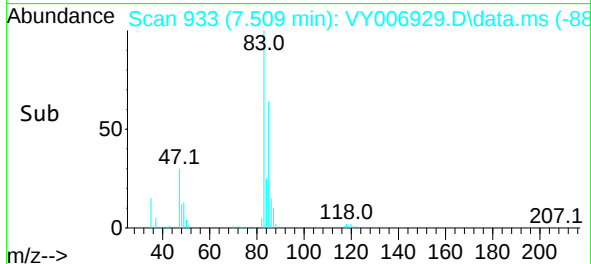
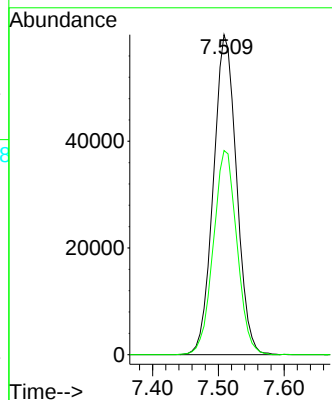
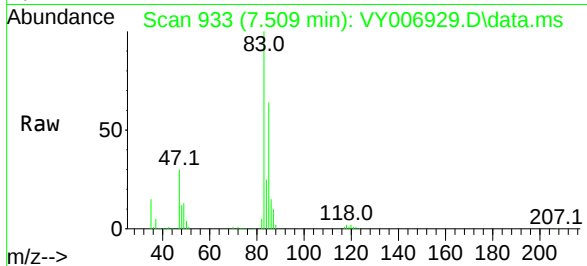




#25
Chloroform
Concen: 26.889 ug/L
RT: 7.509 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY006929.D
Acq: 04 Dec 2021 10:05

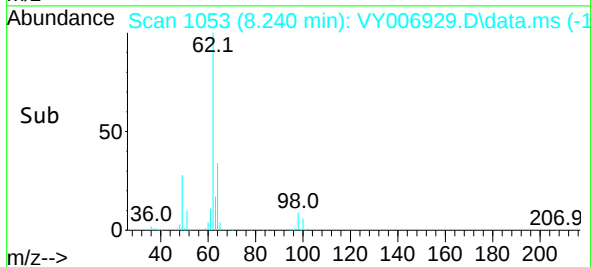
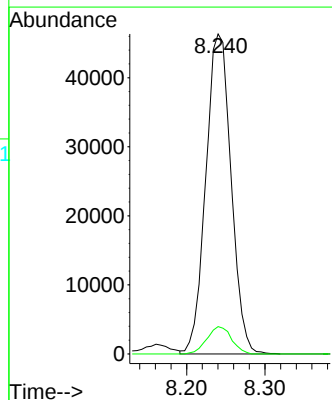
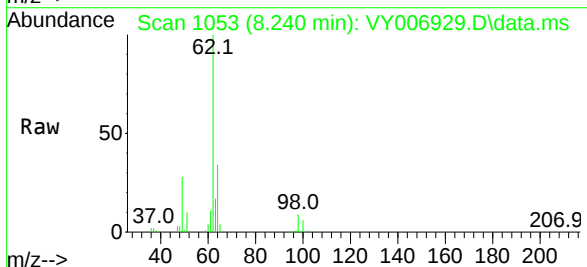
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025895

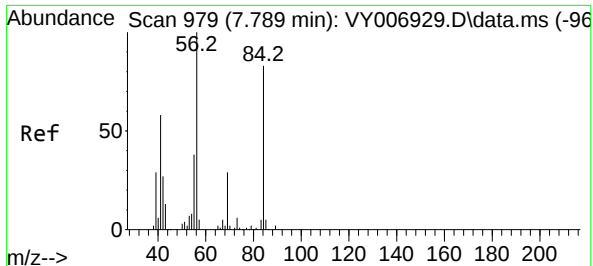
Tgt Ion: 83 Resp: 147221
Ion Ratio Lower Upper
83 100
85 63.8 45.4 84.2



#27
1,2-Dichloroethane
Concen: 26.196 ug/L
RT: 8.240 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VY006929.D
Acq: 04 Dec 2021 10:05

Tgt Ion: 62 Resp: 103936
Ion Ratio Lower Upper
62 100
98 8.6 6.9 10.3





#29

Cyclohexane

Concen: 26.726 ug/L

RT: 7.789 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY006929.D

Acq: 04 Dec 2021 10:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025895

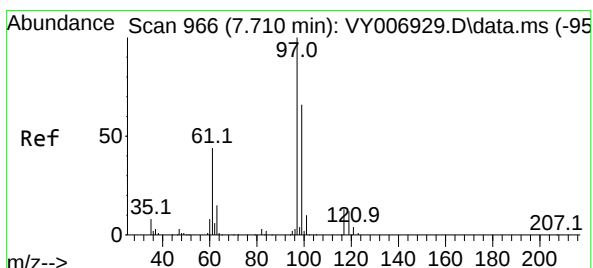
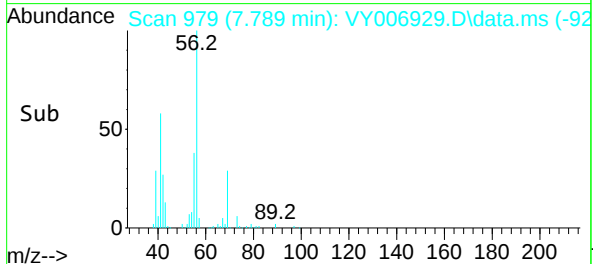
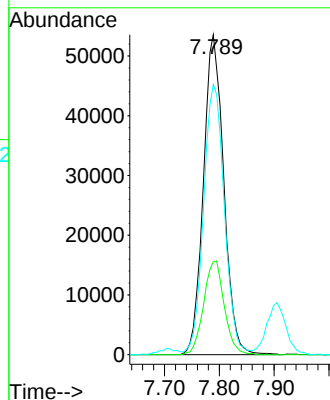
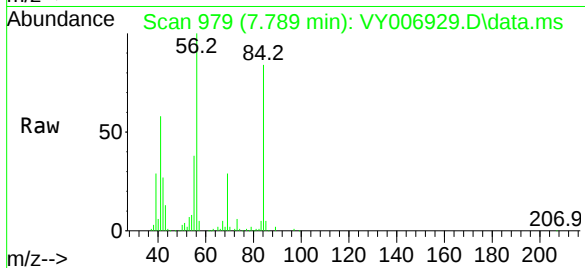
Tgt Ion: 56 Resp: 137852

Ion Ratio Lower Upper

56 100

69 29.6 24.1 36.1

84 86.5 67.8 101.6



#30

1,1,1-Trichloroethane

Concen: 27.619 ug/L

RT: 7.710 min Scan# 966

Delta R.T. 0.006 min

Lab File: VY006929.D

Acq: 04 Dec 2021 10:05

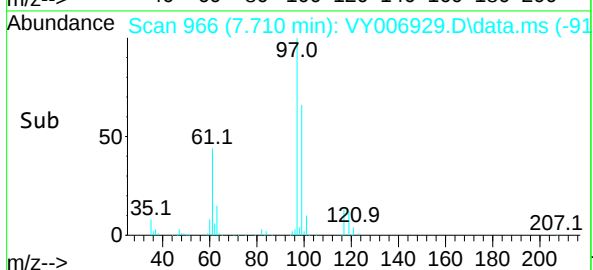
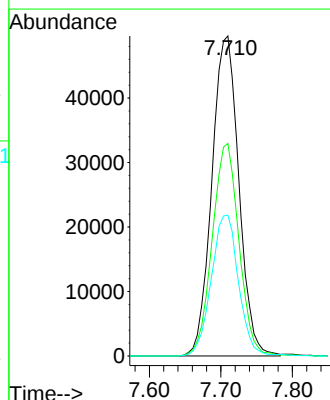
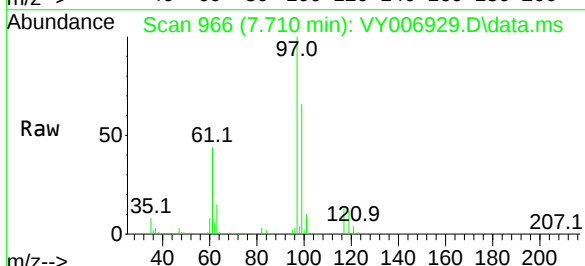
Tgt Ion: 97 Resp: 130023

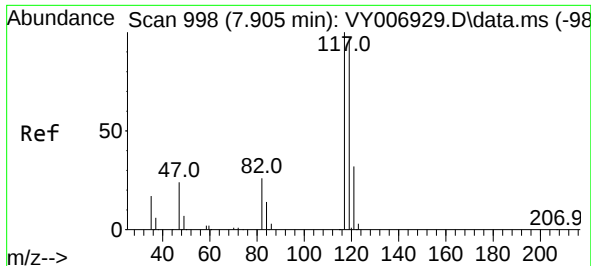
Ion Ratio Lower Upper

97 100

99 65.4 51.4 77.2

61 44.2 35.7 53.5

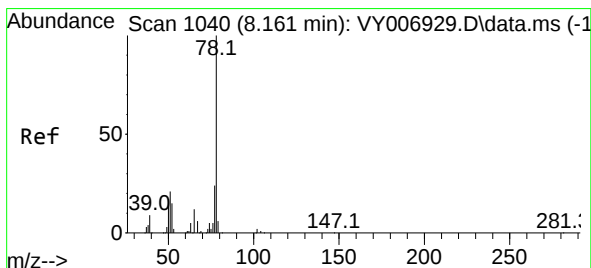
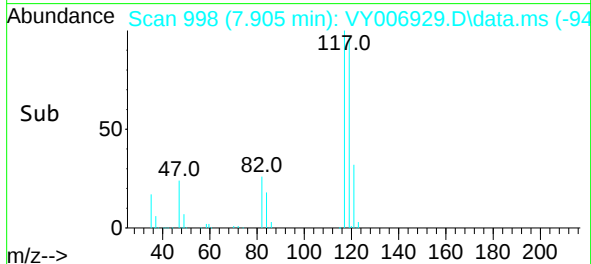
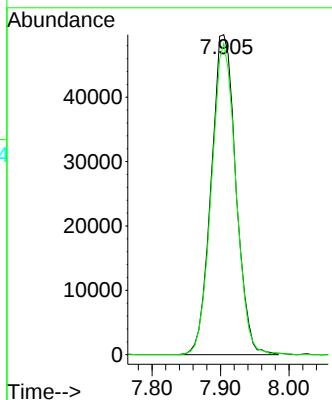
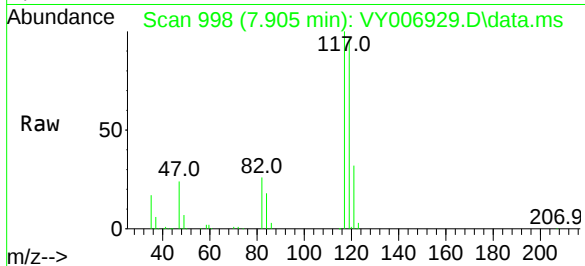




#31
Carbon tetrachloride
Concen: 27.735 ug/L
RT: 7.905 min Scan# 998
Delta R.T. 0.006 min
Lab File: VY006929.D
Acq: 04 Dec 2021 10:05

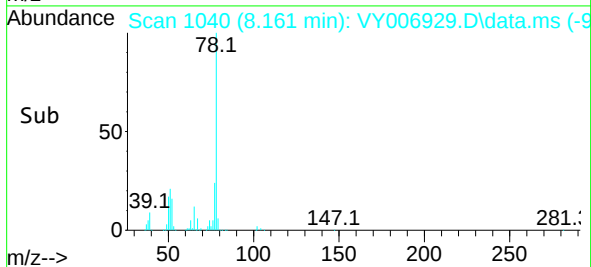
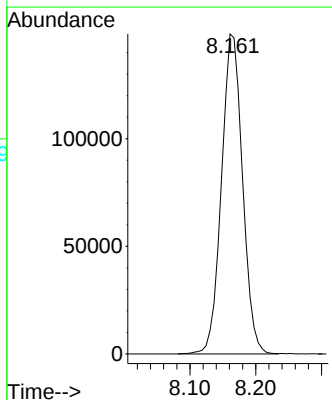
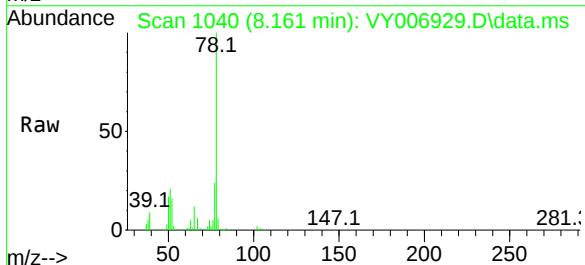
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025895

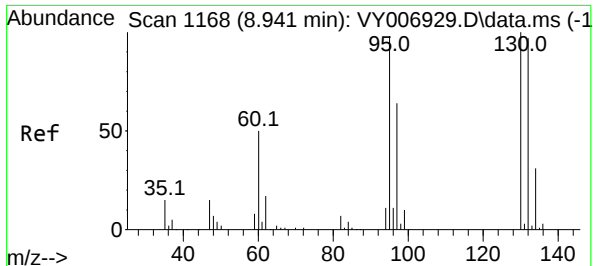
Tgt Ion:117 Resp: 124586
Ion Ratio Lower Upper
117 100
119 95.6 76.4 114.6



#33
Benzene
Concen: 26.625 ug/L
RT: 8.161 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY006929.D
Acq: 04 Dec 2021 10:05

Tgt Ion: 78 Resp: 331277





#34

Trichloroethene

Concen: 27.322 ug/L

RT: 8.941 min Scan# 1168

Delta R.T. -0.000 min

Lab File: VY006929.D

Acq: 04 Dec 2021 10:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025895

Tgt Ion: 95 Resp: 83732

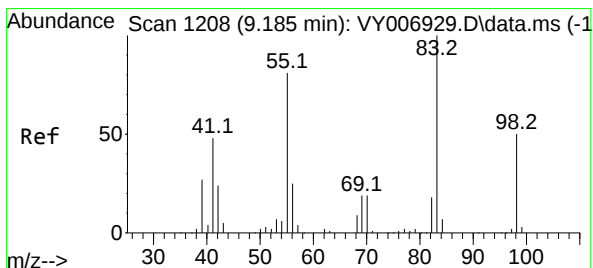
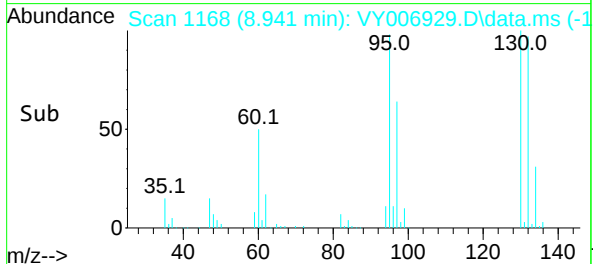
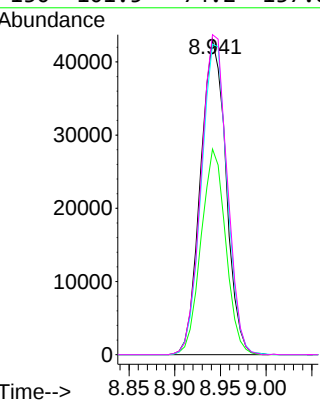
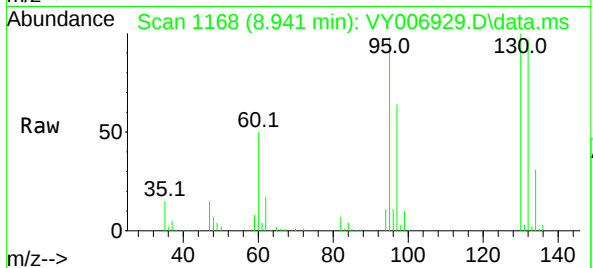
Ion Ratio Lower Upper

95 100

97 65.2 47.3 87.8

132 98.5 71.3 132.5

130 101.5 74.2 137.8



#35

Methylcyclohexane

Concen: 27.429 ug/L

RT: 9.185 min Scan# 1208

Delta R.T. -0.000 min

Lab File: VY006929.D

Acq: 04 Dec 2021 10:05

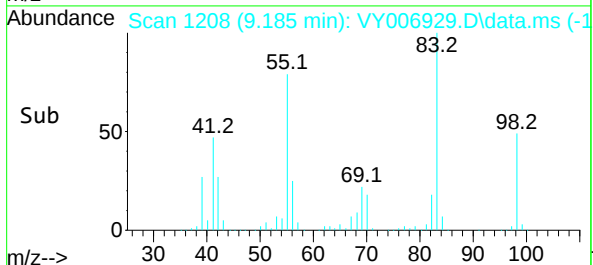
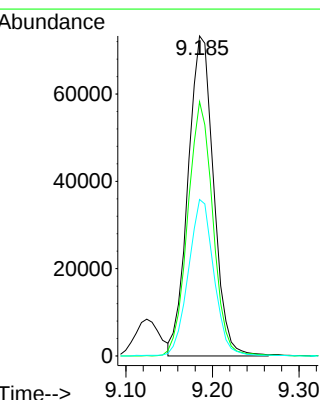
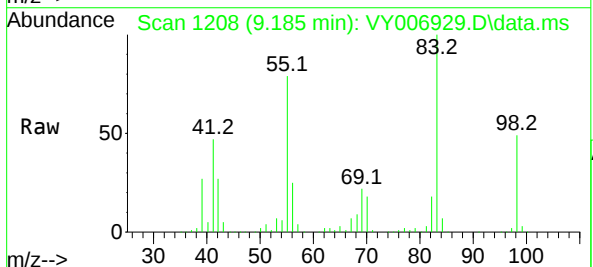
Tgt Ion: 83 Resp: 150627

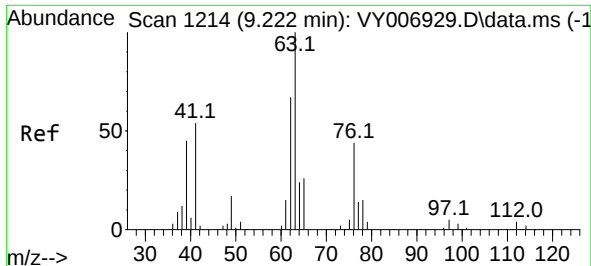
Ion Ratio Lower Upper

83 100

55 77.9 62.6 94.0

98 48.7 39.1 58.7





#37

1,2-Dichloropropane

Concen: 25.956 ug/L

RT: 9.222 min Scan# 1214

Delta R.T. 0.006 min

Lab File: VY006929.D

Acq: 04 Dec 2021 10:05

Instrument :

MSVOA_Y

ClientSampleId :

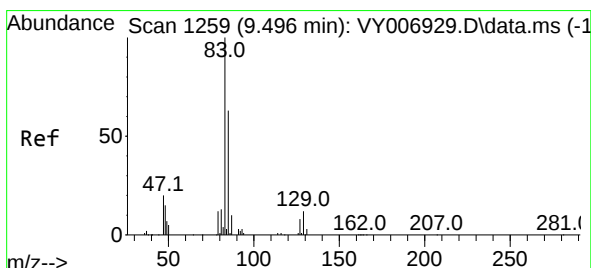
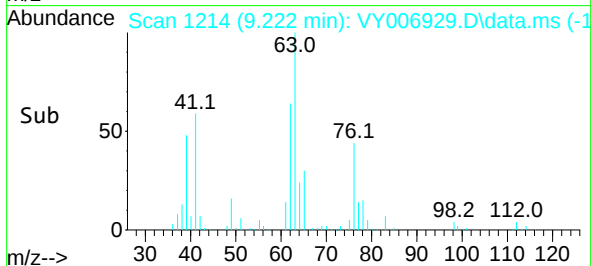
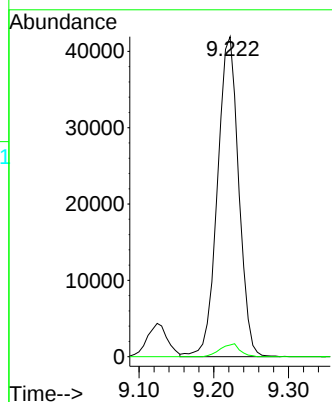
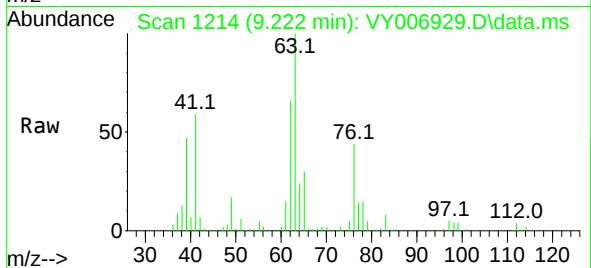
VSTD025895

Tgt Ion: 63 Resp: 82785

Ion Ratio Lower Upper

63 100

112 3.8 3.4 5.2



#38

Bromodichloromethane

Concen: 26.632 ug/L

RT: 9.496 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VY006929.D

Acq: 04 Dec 2021 10:05

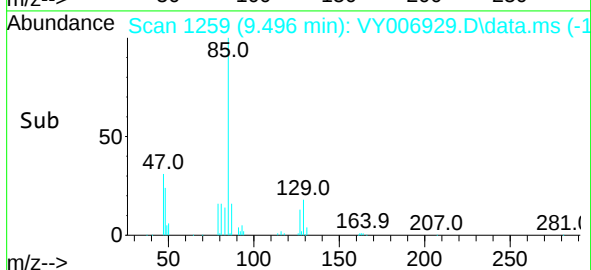
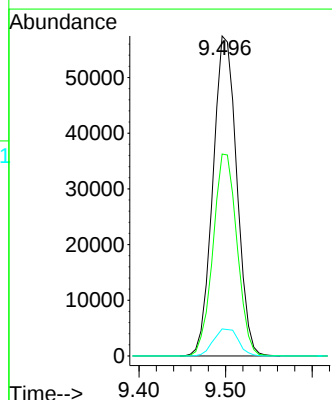
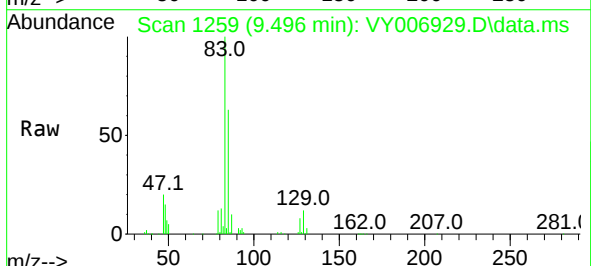
Tgt Ion: 83 Resp: 110047

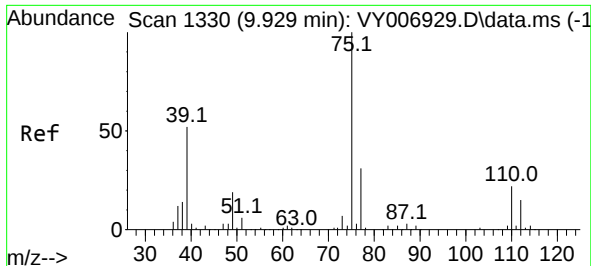
Ion Ratio Lower Upper

83 100

85 63.1 45.4 84.2

127 8.4 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 26.693 ug/L

RT: 9.929 min Scan# 1330

Delta R.T. -0.000 min

Lab File: VY006929.D

Acq: 04 Dec 2021 10:05

Instrument :

MSVOA_Y

ClientSampleId :

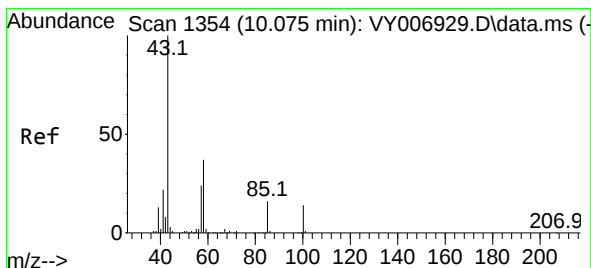
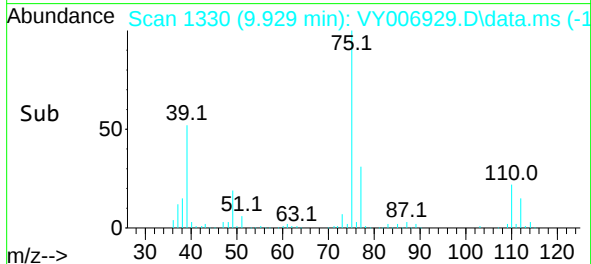
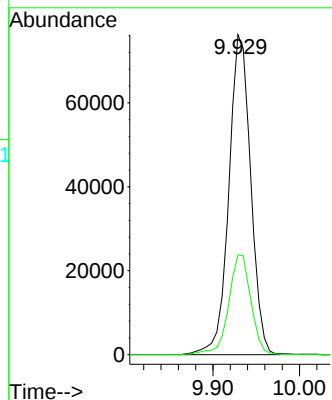
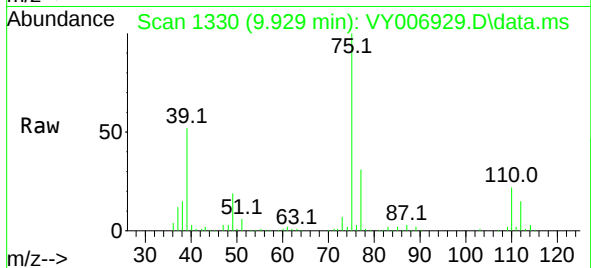
VSTD025895

Tgt Ion: 75 Resp: 133644

Ion Ratio Lower Upper

75 100

77 31.2 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 49.701 ug/L

RT: 10.075 min Scan# 1354

Delta R.T. 0.006 min

Lab File: VY006929.D

Acq: 04 Dec 2021 10:05

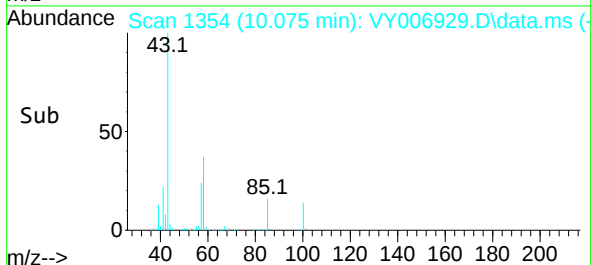
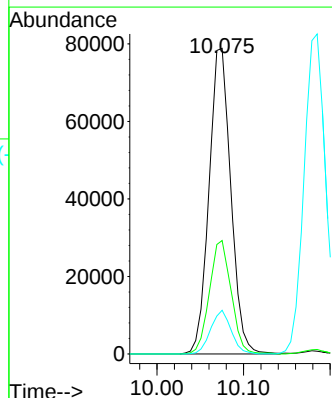
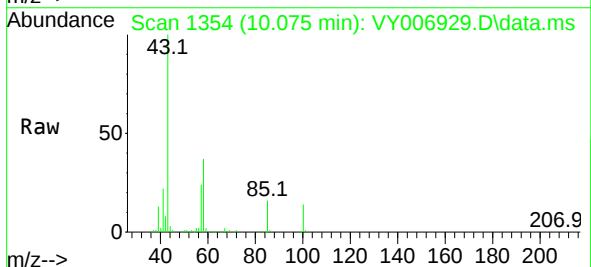
Tgt Ion: 43 Resp: 138262

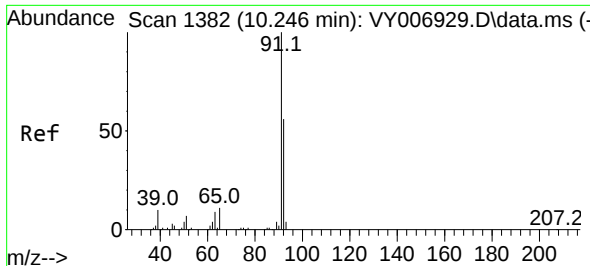
Ion Ratio Lower Upper

43 100

58 36.9 28.6 43.0

100 13.4 11.1 16.7





#42

Toluene

Concen: 27.338 ug/L

RT: 10.246 min Scan# 1382

Delta R.T. -0.000 min

Lab File: VY006929.D

Acq: 04 Dec 2021 10:05

Instrument :

MSVOA_Y

ClientSampleId :

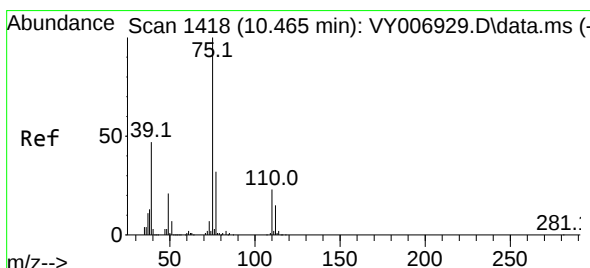
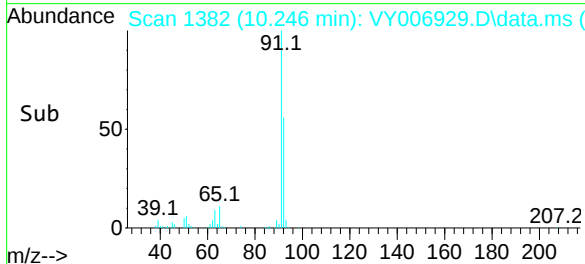
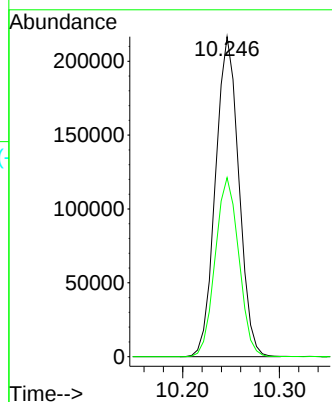
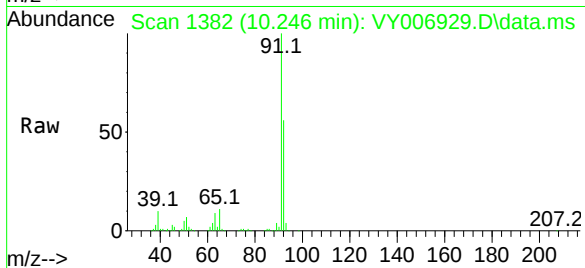
VSTD025895

Tgt Ion: 91 Resp: 362882

Ion Ratio Lower Upper

91 100

92 56.0 39.8 74.0



#44

trans-1,3-Dichloropropene

Concen: 26.995 ug/L

RT: 10.465 min Scan# 1418

Delta R.T. -0.000 min

Lab File: VY006929.D

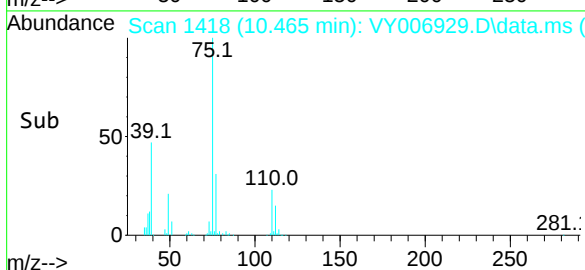
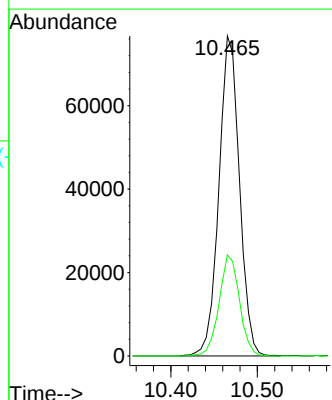
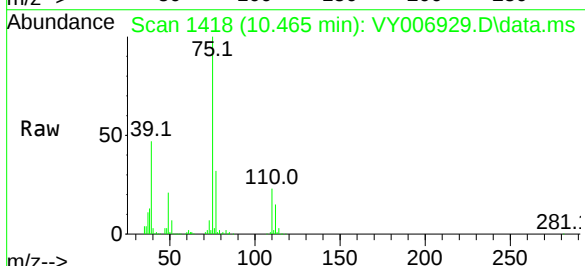
Acq: 04 Dec 2021 10:05

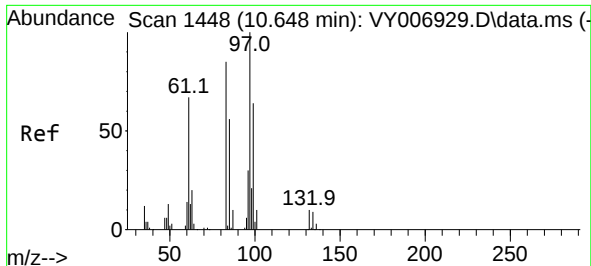
Tgt Ion: 75 Resp: 126303

Ion Ratio Lower Upper

75 100

77 31.6 22.6 42.0





#45

1,1,2-Trichloroethane

Concen: 26.310 ug/L

RT: 10.648 min Scan# 1448

Delta R.T. 0.006 min

Lab File: VY006929.D

Acq: 04 Dec 2021 10:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025895

Tgt Ion: 97 Resp: 61825

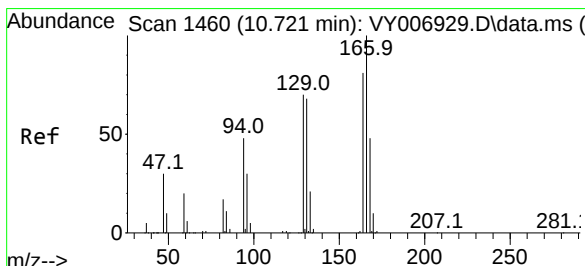
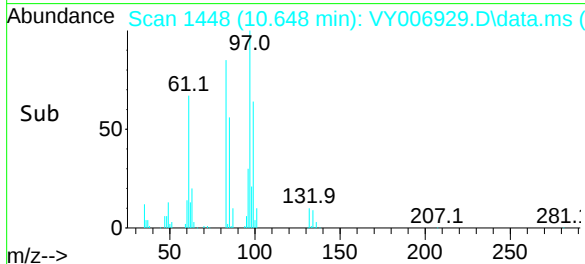
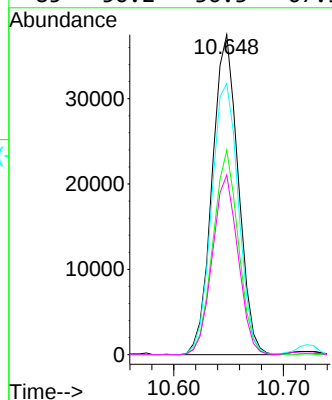
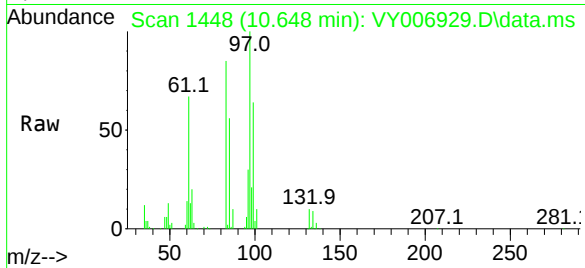
Ion Ratio Lower Upper

97 100

99 63.9 43.0 79.8

83 84.8 58.9 109.3

85 56.2 36.3 67.3



#46

Tetrachloroethene

Concen: 27.694 ug/L

RT: 10.721 min Scan# 1460

Delta R.T. -0.000 min

Lab File: VY006929.D

Acq: 04 Dec 2021 10:05

Tgt Ion:164 Resp: 71107

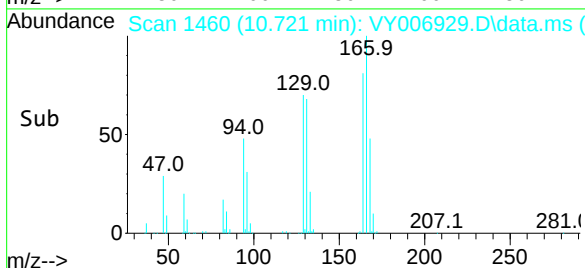
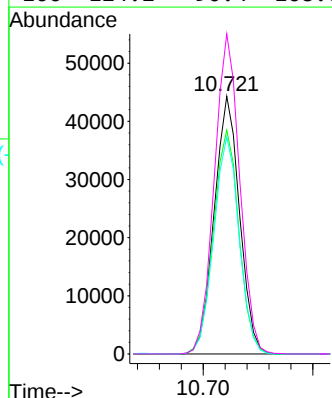
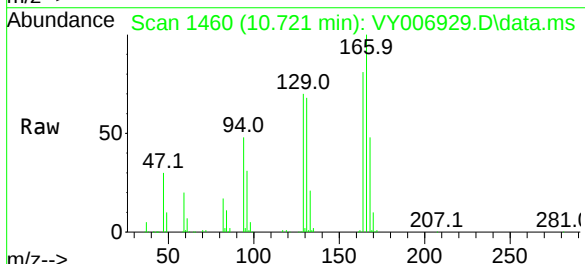
Ion Ratio Lower Upper

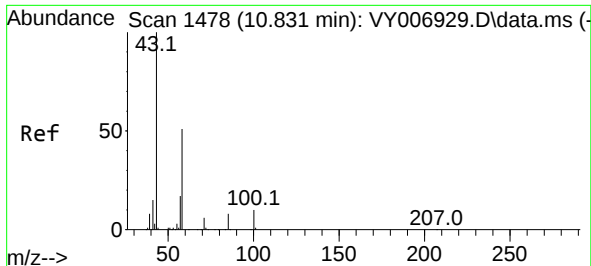
164 100

129 86.9 62.1 115.3

131 84.2 61.0 113.2

166 124.2 90.4 168.0

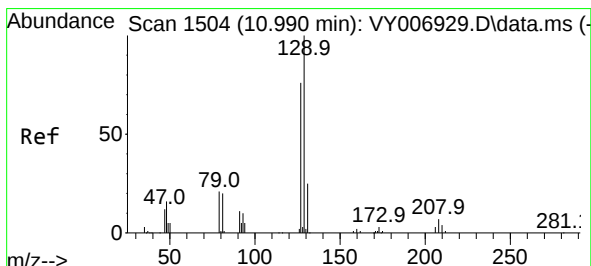
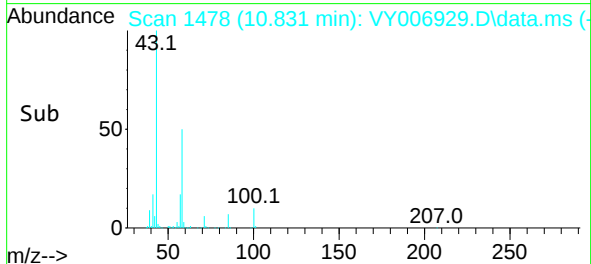
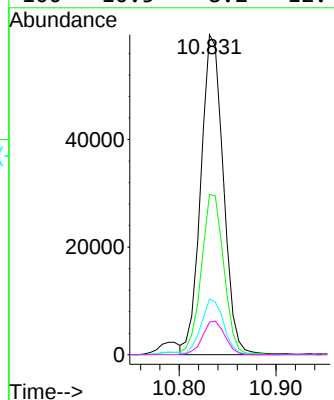
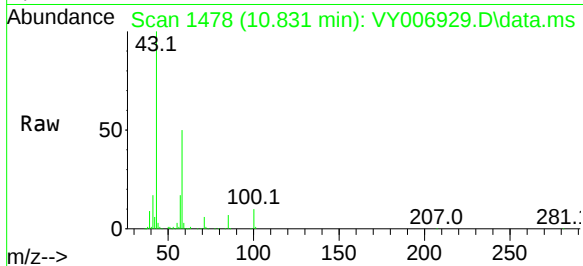




#48
2-Hexanone
Concen: 52.544 ug/L
RT: 10.831 min Scan# 1478
Delta R.T. -0.000 min
Lab File: VY006929.D
Acq: 04 Dec 2021 10:05

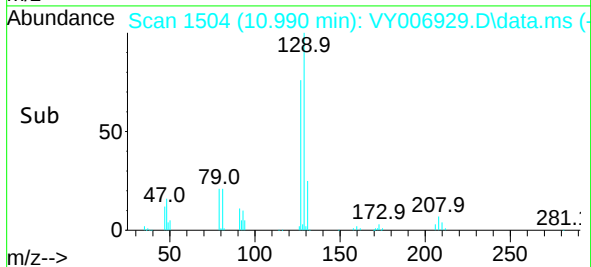
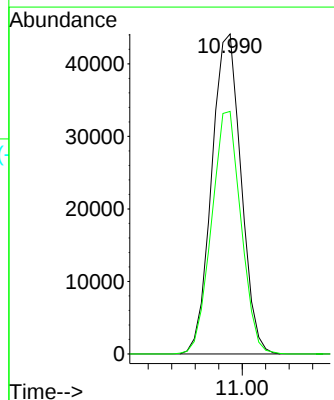
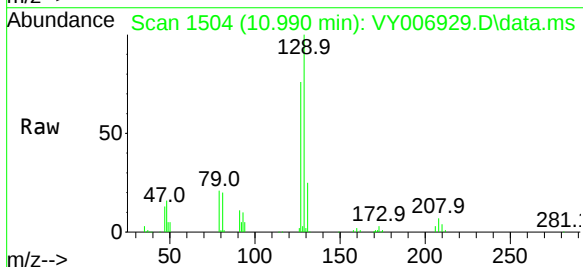
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025895

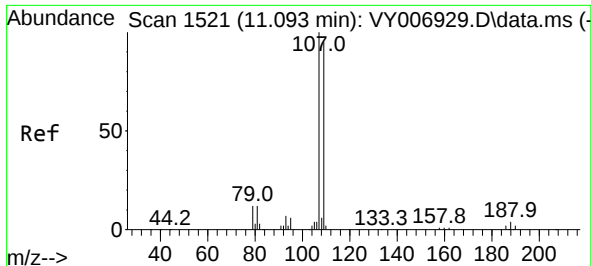
Tgt Ion: 43	Resp: 96461
Ion Ratio	Lower Upper
43 100	
58 50.1	39.9 59.9
57 17.3	14.2 21.4
100 10.5	8.2 12.4



#49
Dibromochloromethane
Concen: 26.770 ug/L
RT: 10.990 min Scan# 1504
Delta R.T. 0.006 min
Lab File: VY006929.D
Acq: 04 Dec 2021 10:05

Tgt Ion:129	Resp: 76556		
Ion Ratio	Lower	Upper	
129 100			
127 75.8	52.1	96.9	





#50

1,2-Dibromoethane

Concen: 26.345 ug/L

RT: 11.093 min Scan# 1521

Delta R.T. 0.006 min

Lab File: VY006929.D

Acq: 04 Dec 2021 10:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025895

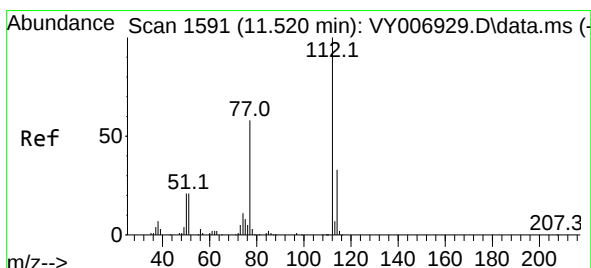
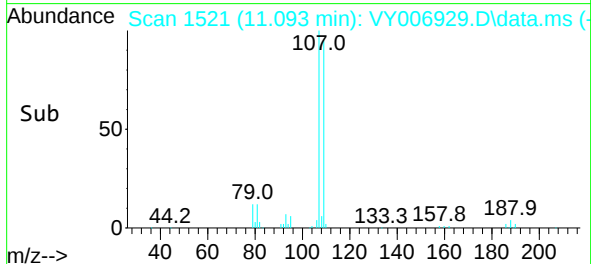
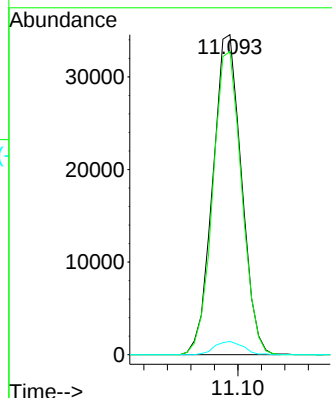
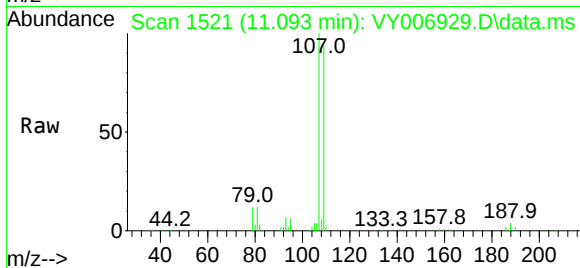
Tgt Ion:107 Resp: 58589

Ion Ratio Lower Upper

107 100

109 94.7 65.2 121.0

188 4.2 3.1 4.7



#51

Chlorobenzene

Concen: 27.184 ug/L

RT: 11.520 min Scan# 1591

Delta R.T. 0.006 min

Lab File: VY006929.D

Acq: 04 Dec 2021 10:05

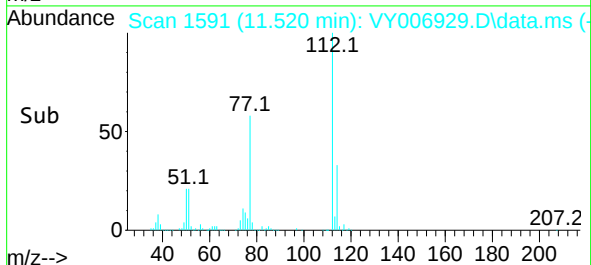
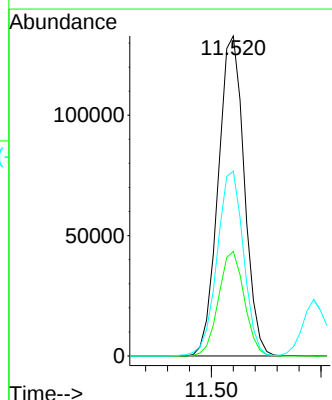
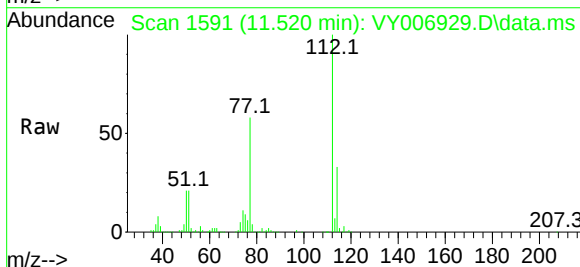
Tgt Ion:112 Resp: 220070

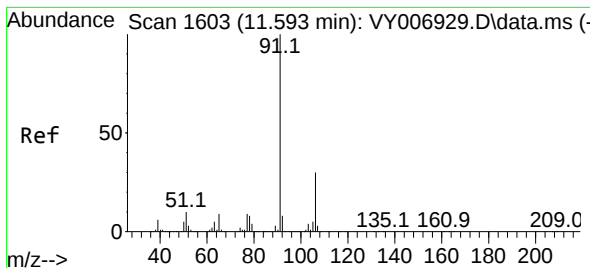
Ion Ratio Lower Upper

112 100

114 32.7 22.2 41.2

77 57.7 47.6 71.4

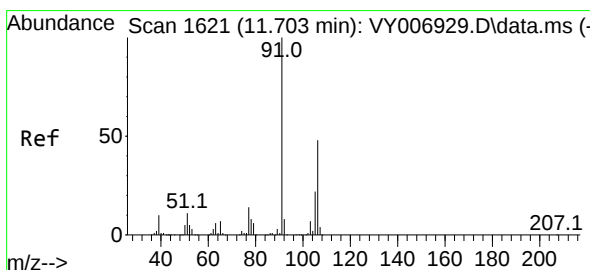
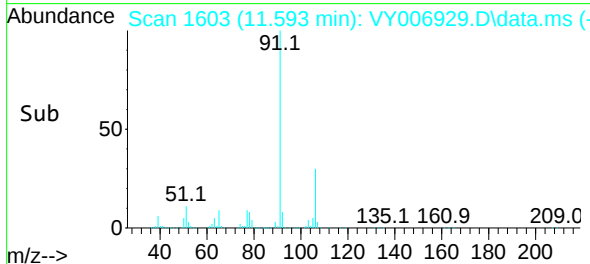
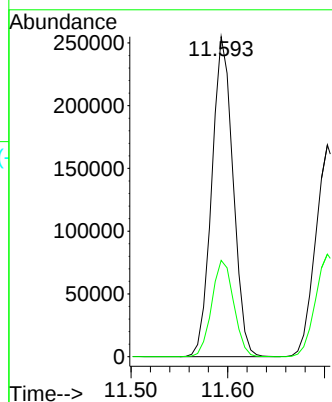
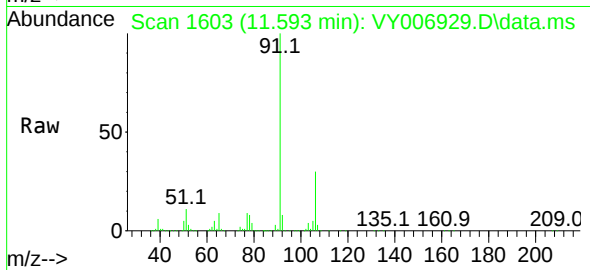




#52
Ethylbenzene
Concen: 27.340 ug/L
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY006929.D
Acq: 04 Dec 2021 10:05

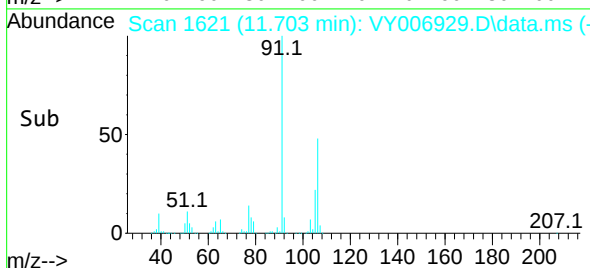
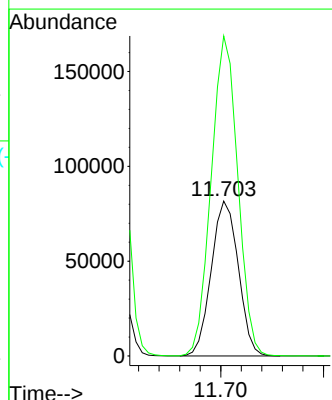
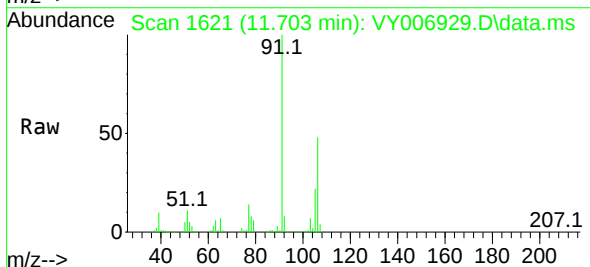
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025895

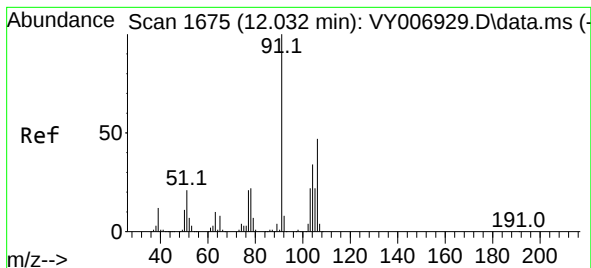
Tgt Ion: 91 Resp: 390096
Ion Ratio Lower Upper
91 100
106 30.1 21.4 39.8



#53
m,p-Xylene
Concen: 27.622 ug/L
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY006929.D
Acq: 04 Dec 2021 10:05

Tgt Ion: 106 Resp: 149087
Ion Ratio Lower Upper
106 100
91 206.5 144.7 268.7





#54

o-Xylene

Concen: 27.522 ug/L

RT: 12.032 min Scan# 1675

Delta R.T. 0.006 min

Lab File: VY006929.D

Acq: 04 Dec 2021 10:05

Instrument :

MSVOA_Y

ClientSampleId :

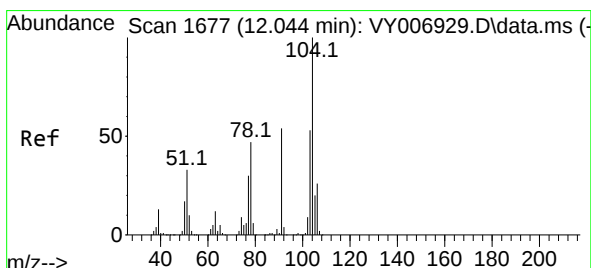
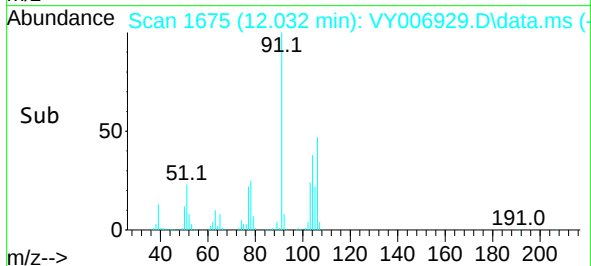
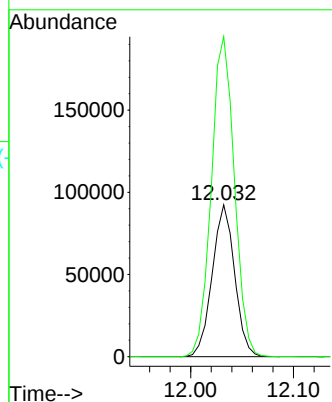
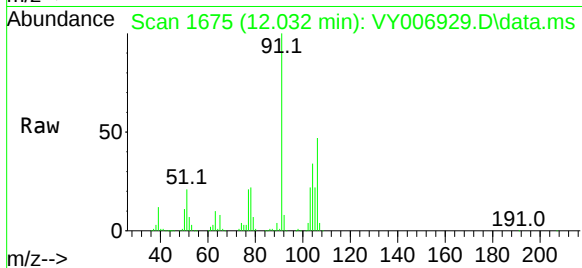
VSTD025895

Tgt Ion:106 Resp: 139737

Ion Ratio Lower Upper

106 100

91 210.8 155.5 288.7



#55

Styrene

Concen: 27.483 ug/L

RT: 12.044 min Scan# 1677

Delta R.T. -0.000 min

Lab File: VY006929.D

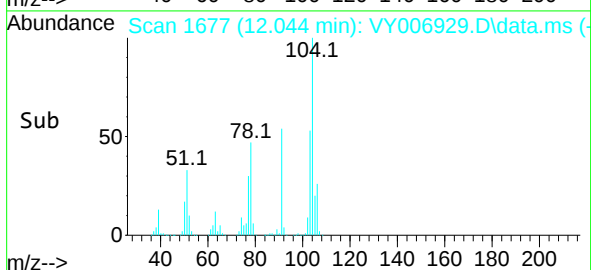
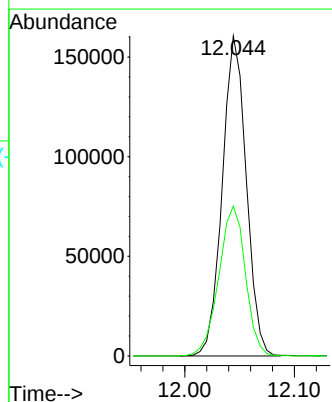
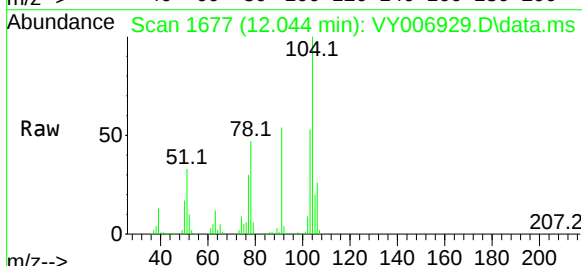
Acq: 04 Dec 2021 10:05

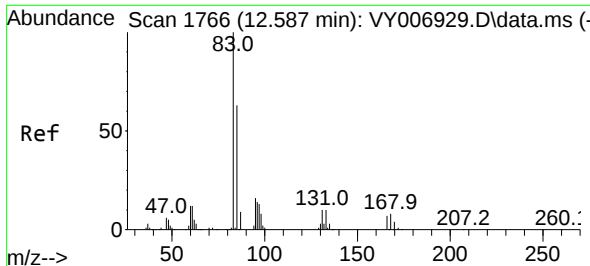
Tgt Ion:104 Resp: 244138

Ion Ratio Lower Upper

104 100

78 46.8 30.8 57.2





#57

1,1,2,2-Tetrachloroethane

Concen: 25.759 ug/L

RT: 12.587 min Scan# 1766

Delta R.T. 0.006 min

Lab File: VY006929.D

Acq: 04 Dec 2021 10:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025895

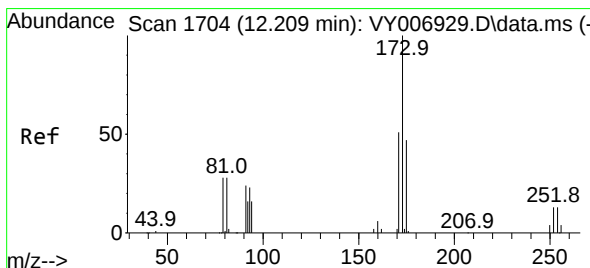
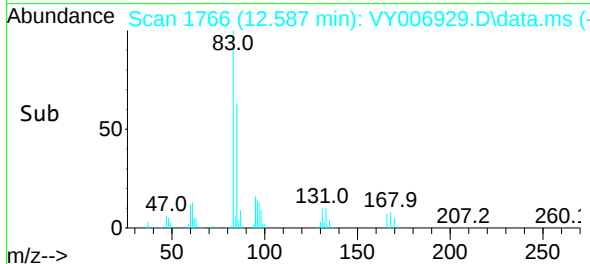
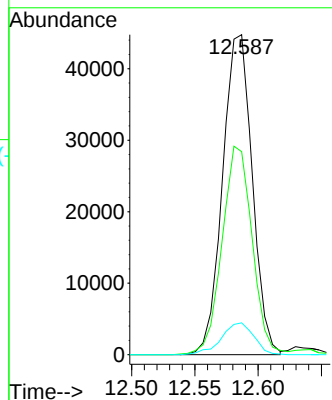
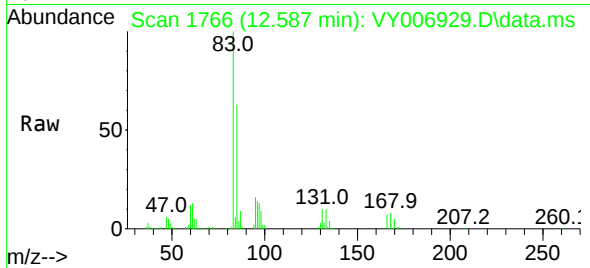
Tgt Ion: 83 Resp: 73036

Ion Ratio Lower Upper

83 100

85 63.4 45.4 84.2

131 10.0 7.8 11.8



#59

Bromoform

Concen: 26.655 ug/L

RT: 12.209 min Scan# 1704

Delta R.T. -0.000 min

Lab File: VY006929.D

Acq: 04 Dec 2021 10:05

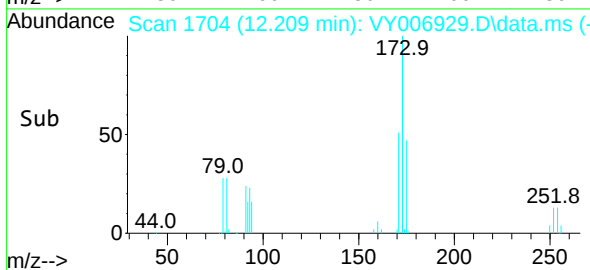
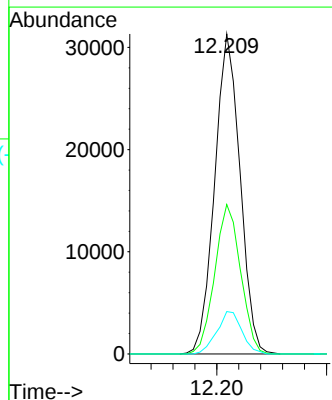
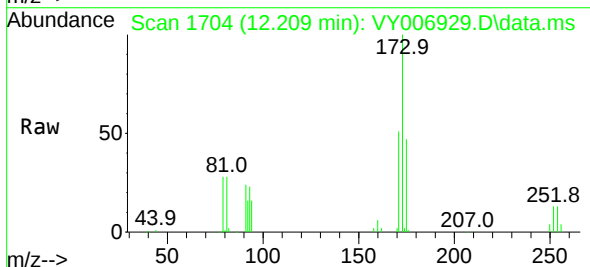
Tgt Ion: 173 Resp: 50277

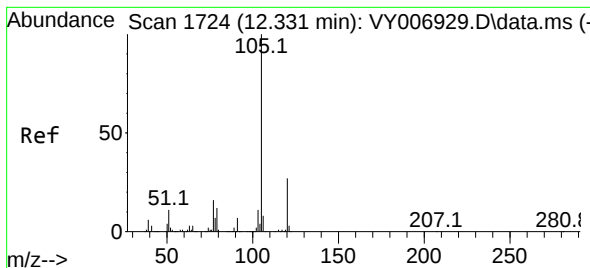
Ion Ratio Lower Upper

173 100

175 47.6 38.6 58.0

254 13.1 10.3 15.5





#60

Isopropylbenzene

Concen: 27.508 ug/L

RT: 12.331 min Scan# 1724

Delta R.T. -0.000 min

Lab File: VY006929.D

Acq: 04 Dec 2021 10:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025895

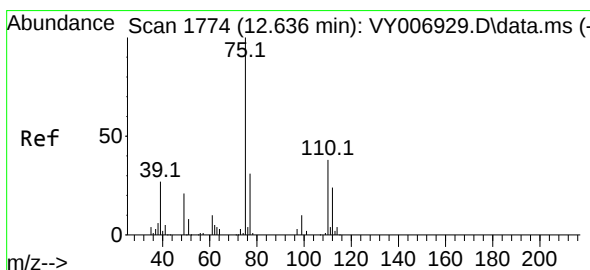
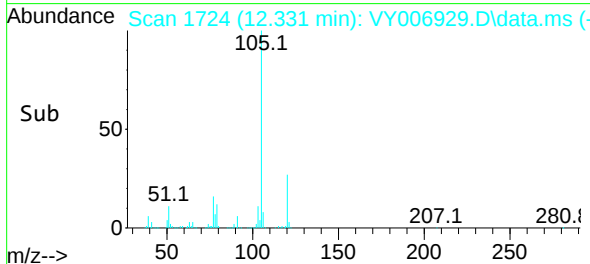
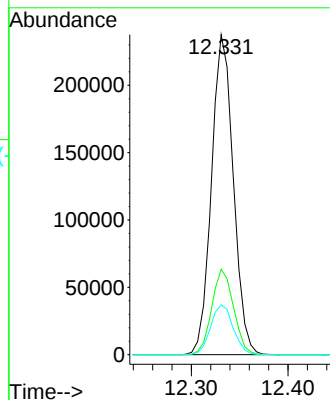
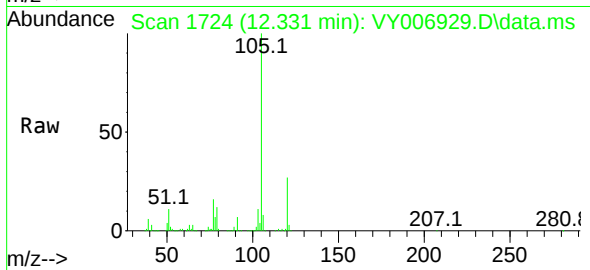
Tgt Ion:105 Resp: 372295

Ion Ratio Lower Upper

105 100

120 26.7 21.2 31.8

77 16.1 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 25.624 ug/L

RT: 12.636 min Scan# 1774

Delta R.T. 0.006 min

Lab File: VY006929.D

Acq: 04 Dec 2021 10:05

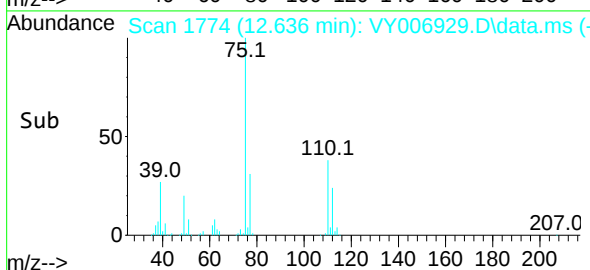
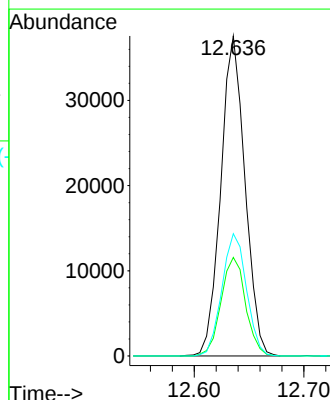
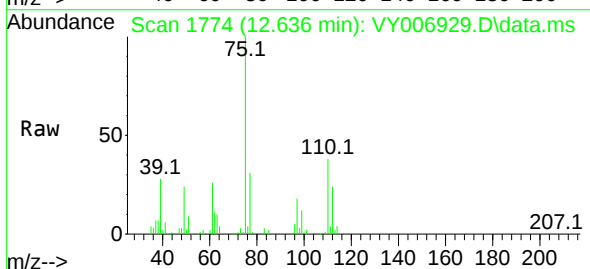
Tgt Ion: 75 Resp: 57604

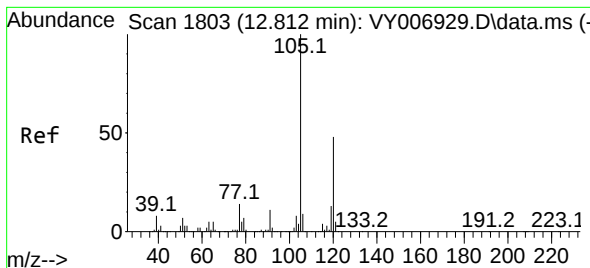
Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.0

110 38.8 31.7 47.5





#62

1,3,5-Trimethylbenzene

Concen: 27.207 ug/L

RT: 12.812 min Scan# 1803

Delta R.T. -0.000 min

Lab File: VY006929.D

Acq: 04 Dec 2021 10:05

Instrument :

MSVOA_Y

ClientSampleId :

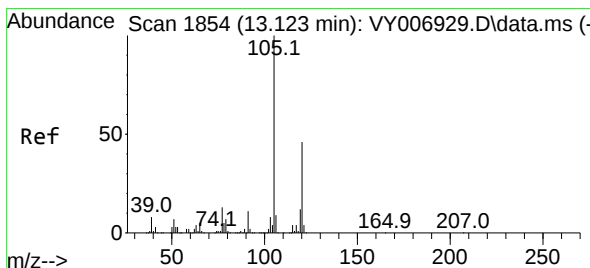
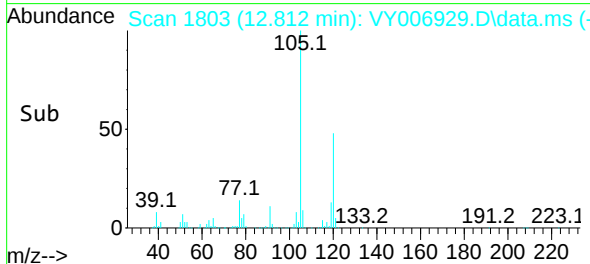
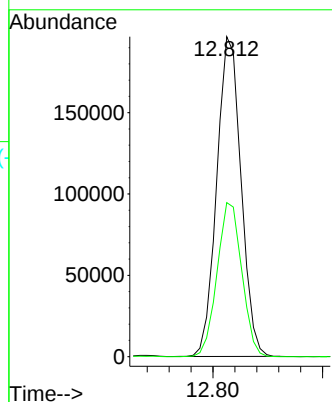
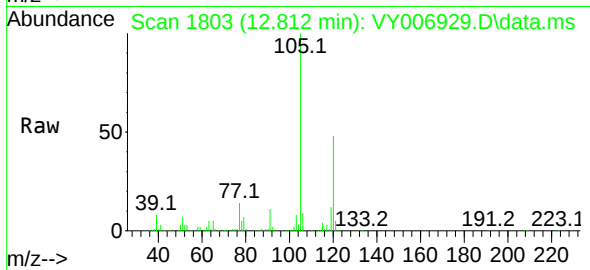
VSTD025895

Tgt Ion:105 Resp: 302761

Ion Ratio Lower Upper

105 100

120 48.9 39.0 58.4



#63

1,2,4-Trimethylbenzene

Concen: 27.675 ug/L

RT: 13.123 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VY006929.D

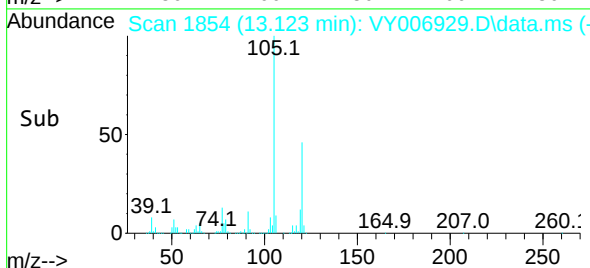
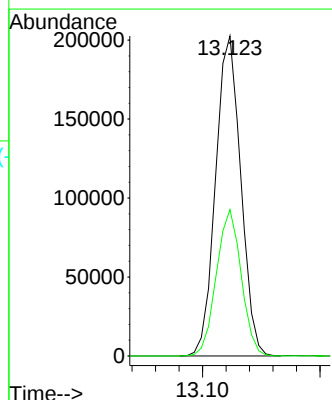
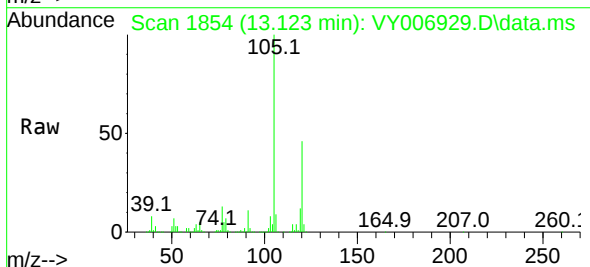
Acq: 04 Dec 2021 10:05

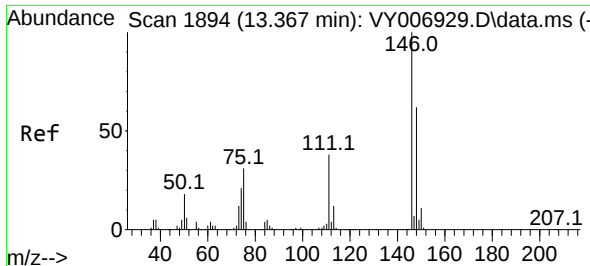
Tgt Ion:105 Resp: 301236

Ion Ratio Lower Upper

105 100

120 45.1 36.0 54.0

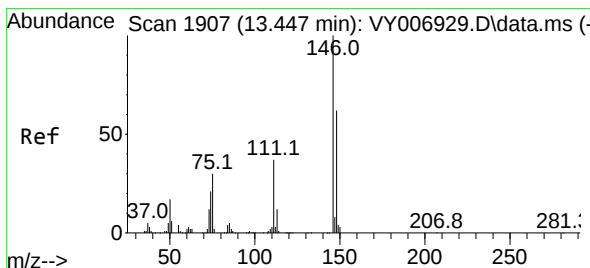
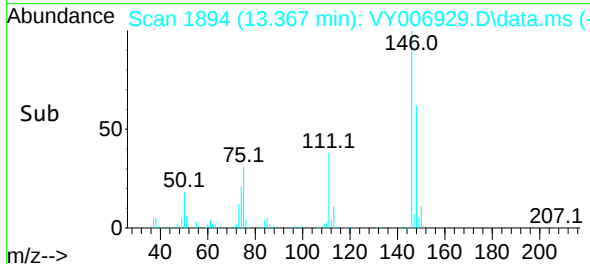
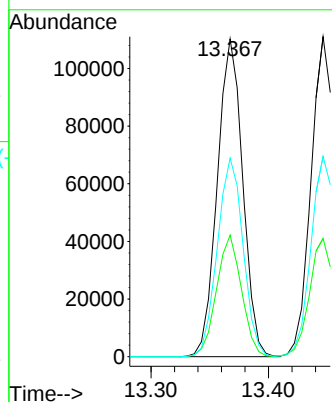
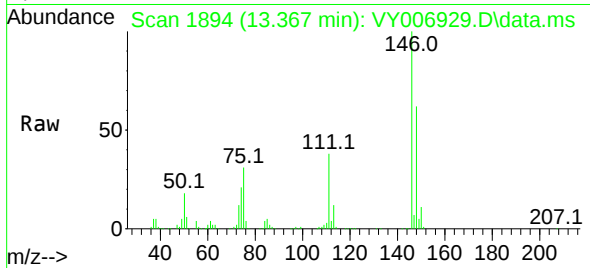




#64
1,3-Dichlorobenzene
Concen: 27.223 ug/L
RT: 13.367 min Scan# 1894
Delta R.T. 0.006 min
Lab File: VY006929.D
Acq: 04 Dec 2021 10:05

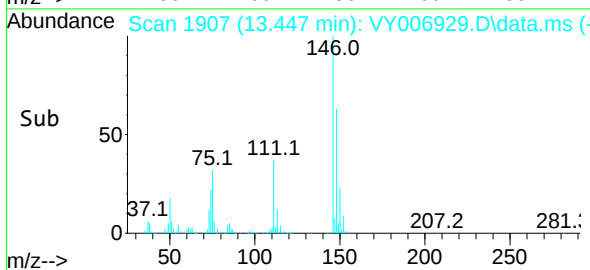
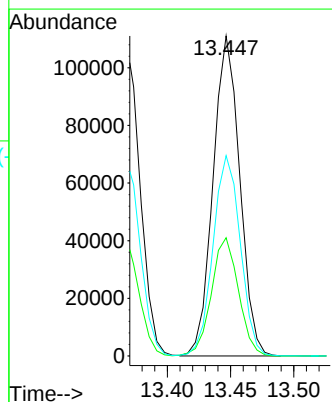
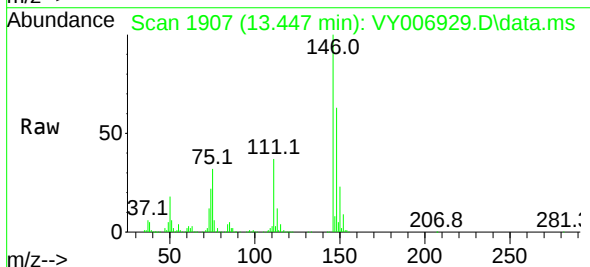
Instrument :
MSVOA_Y
ClientSampleId :
VSTD025895

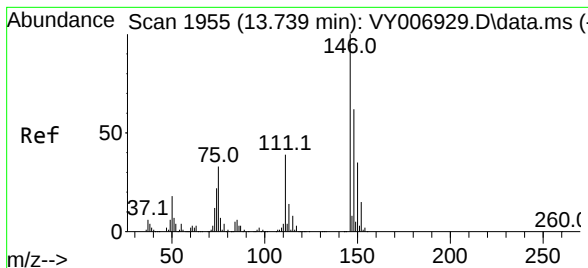
Tgt Ion:146 Resp: 165817
Ion Ratio Lower Upper
146 100
111 38.3 27.4 51.0
148 62.5 45.4 84.2



#65
1,4-Dichlorobenzene
Concen: 26.258 ug/L
RT: 13.447 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY006929.D
Acq: 04 Dec 2021 10:05

Tgt Ion:146 Resp: 162980
Ion Ratio Lower Upper
146 100
111 37.0 25.3 46.9
148 62.6 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 27.029 ug/L

RT: 13.739 min Scan# 1955

Delta R.T. -0.000 min

Lab File: VY006929.D

Acq: 04 Dec 2021 10:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025895

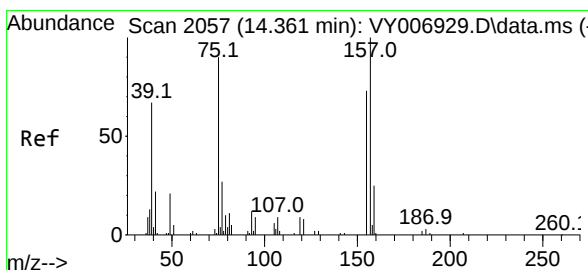
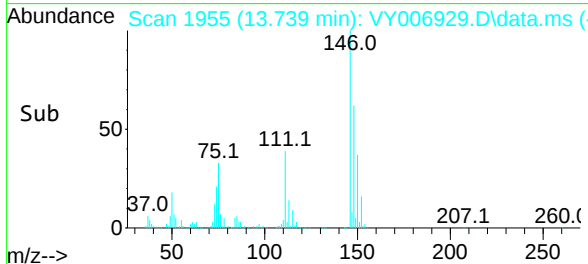
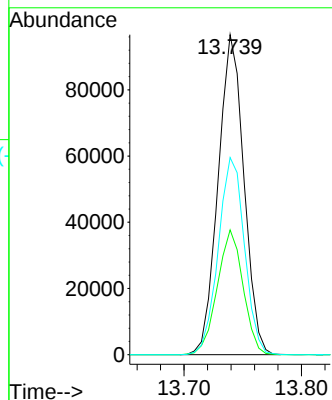
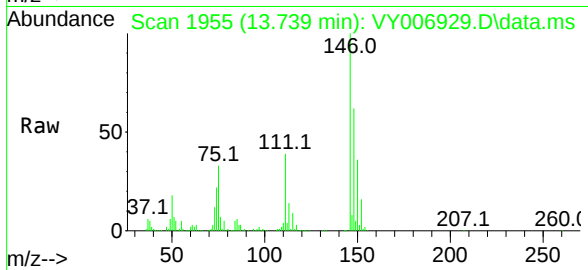
Tgt Ion:146 Resp: 147423

Ion Ratio Lower Upper

146 100

111 39.0 31.0 46.6

148 61.6 50.2 75.2



#68

1,2-Dibromo-3-chloropropane

Concen: 25.394 ug/L

RT: 14.361 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VY006929.D

Acq: 04 Dec 2021 10:05

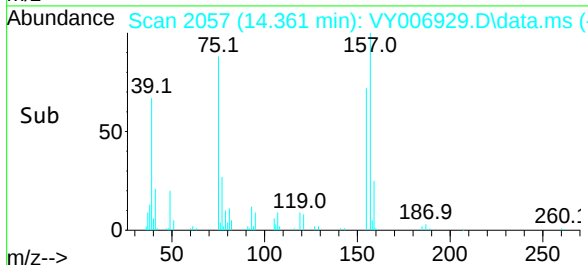
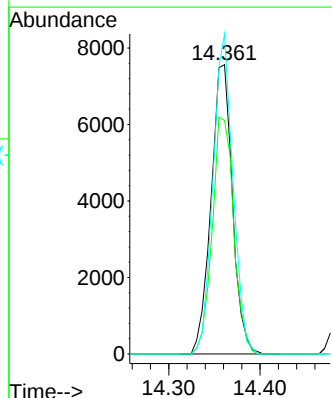
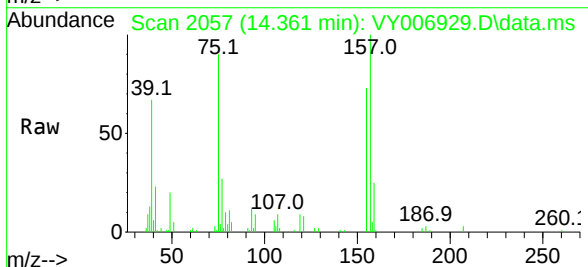
Tgt Ion: 75 Resp: 12292

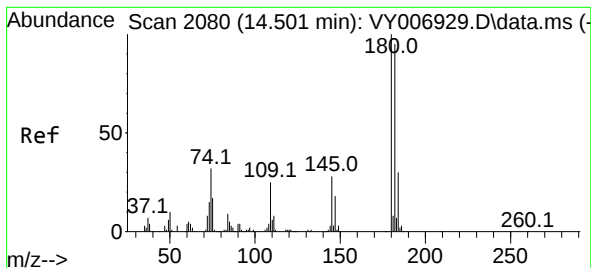
Ion Ratio Lower Upper

75 100

155 80.7 66.3 99.5

157 110.6 93.9 140.9





#69

1,3,5-Trichlorobenzene

Concen: 26.848 ug/L

RT: 14.501 min Scan# 2080

Delta R.T. -0.000 min

Lab File: VY006929.D

Acq: 04 Dec 2021 10:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025895

Tgt Ion:180 Resp: 111292

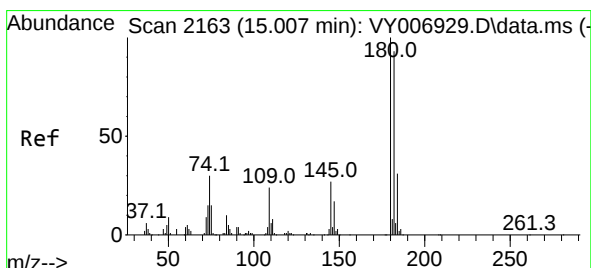
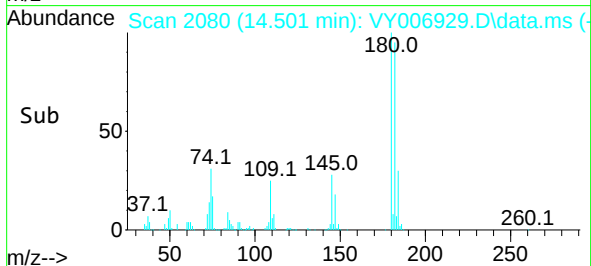
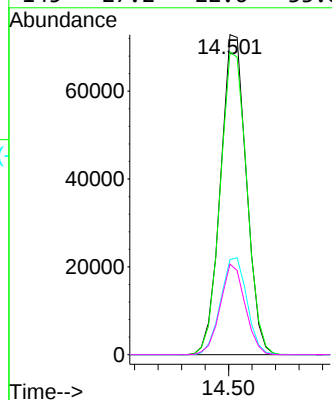
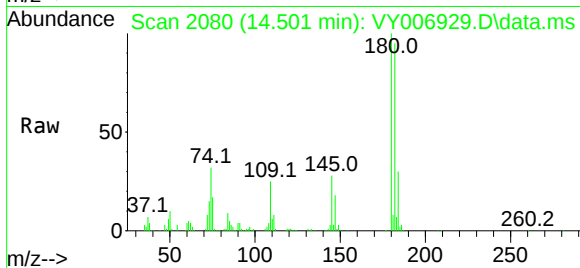
Ion Ratio Lower Upper

180 100

182 97.1 76.0 114.0

184 30.9 24.6 36.8

145 27.2 22.6 33.8



#70

1,2,4-trichlorobenzene

Concen: 26.813 ug/L

RT: 15.007 min Scan# 2163

Delta R.T. -0.000 min

Lab File: VY006929.D

Acq: 04 Dec 2021 10:05

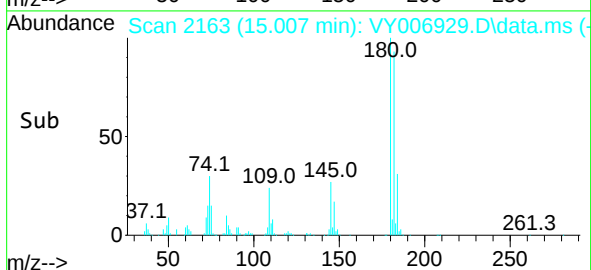
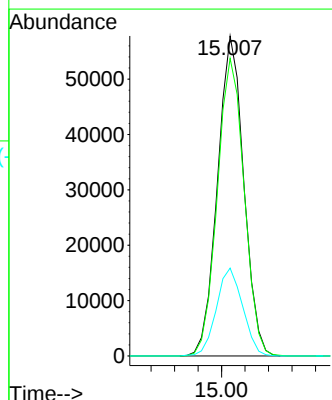
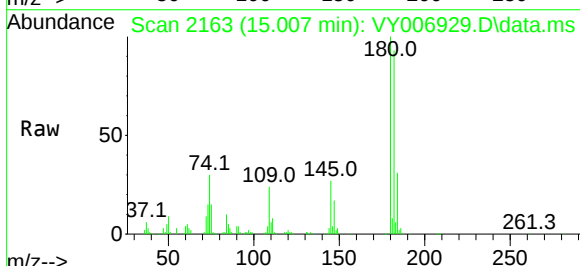
Tgt Ion:180 Resp: 89644

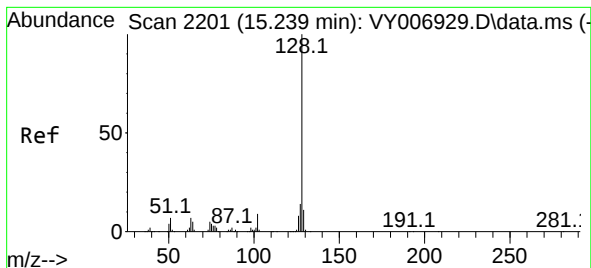
Ion Ratio Lower Upper

180 100

182 94.9 75.6 113.4

145 27.5 23.0 34.6





#71

Naphthalene

Concen: 26.579 ug/L

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY006929.D

Acq: 04 Dec 2021 10:05

Instrument :

MSVOA_Y

ClientSampleId :

VSTD025895

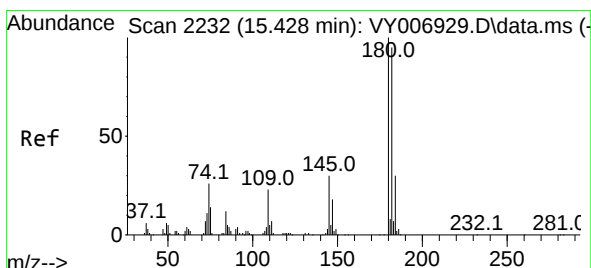
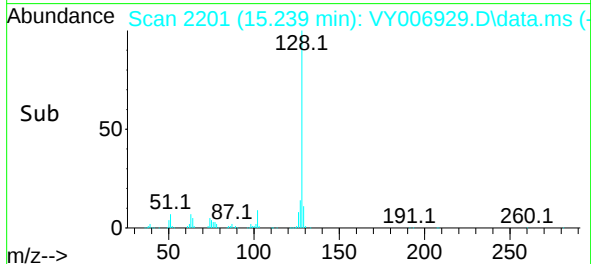
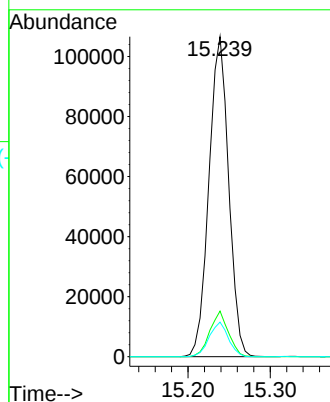
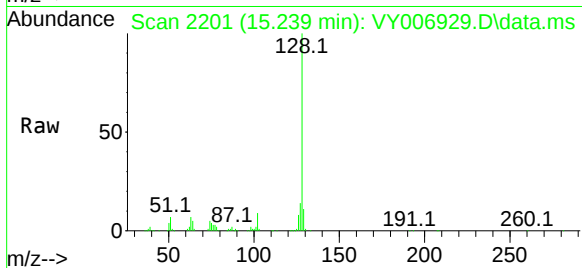
Tgt Ion:128 Resp: 178059

Ion Ratio Lower Upper

128 100

127 13.4 10.8 16.2

129 10.5 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 25.970 ug/L

RT: 15.428 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY006929.D

Acq: 04 Dec 2021 10:05

Tgt Ion:180 Resp: 73365

Ion Ratio Lower Upper

180 100

182 97.5 75.5 113.3

145 31.1 23.5 35.3

