

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120721\
 Data File : VY007011.D
 Acq On : 07 Dec 2021 20:56
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 08 03:00:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYL120721SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 08 02:54:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.697	114	146144	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.496	117	142439	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	91515	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	83176	25.317	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.280%
7) Chloroethane-d5	2.766	69	65068	25.902	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.600%
11) 1,1-Dichloroethene-d2	3.857	63	119398	23.550	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.200%
21) 2-Butanone-d5	6.899	46	47975	50.411	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.820%
24) Chloroform-d	7.484	84	111163	23.990	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.960%
26) 1,2-Dichloroethane-d4	8.143	65	67322	24.270	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.080%
32) Benzene-d6	8.112	84	214267	23.012	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.040%
36) 1,2-Dichloropropane-d6	9.124	67	73461	23.400	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.600%
41) Toluene-d8	10.185	98	196000	22.805	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.200%
43) trans-1,3-Dichloroprop...	10.441	79	33788	23.254	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.000%
47) 2-Hexanone-d5	10.788	63	36406	50.458	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.920%
56) 1,1,2,2-Tetrachloroeth...	12.563	84	72871	27.118	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.480%
66) 1,2-Dichlorobenzene-d4	13.721	152	72454	20.593	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	82.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	19938	20.076	ug/L	97
3) Chloromethane	2.113	50	56769	23.006	ug/L	100
5) Vinyl chloride	2.260	62	95997	24.350	ug/L	98
6) Bromomethane	2.662	94	59249	25.614	ug/L	94
8) Chloroethane	2.802	64	58274	25.427	ug/L	96
9) Trichlorofluoromethane	3.125	101	69001	27.506	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.906	101	50276	23.612	ug/L	94
12) 1,1-Dichloroethene	3.875	96	51713	23.730	ug/L	87
13) Acetone	3.954	43	36292	44.150	ug/L	98
14) Carbon disulfide	4.198	76	164326	23.522	ug/L	98
15) Methyl Acetate	4.479	43	44159	25.699	ug/L	# 84
16) Methylene chloride	4.716	84	62757	20.615	ug/L	99
17) trans-1,2-Dichloroethene	5.228	96	55619	24.524	ug/L	99
18) Methyl tert-butyl Ether	5.222	73	112506	25.345	ug/L	99
19) 1,1-Dichloroethane	6.021	63	117155	24.479	ug/L	99
20) cis-1,2-Dichloroethene	6.990	96	61005	24.393	ug/L	95
22) 2-Butanone	6.996	43	57389	49.586	ug/L	100
23) Bromochloromethane	7.338	128	27015	24.695	ug/L	95
25) Chloroform	7.509	83	111849	24.345	ug/L	97

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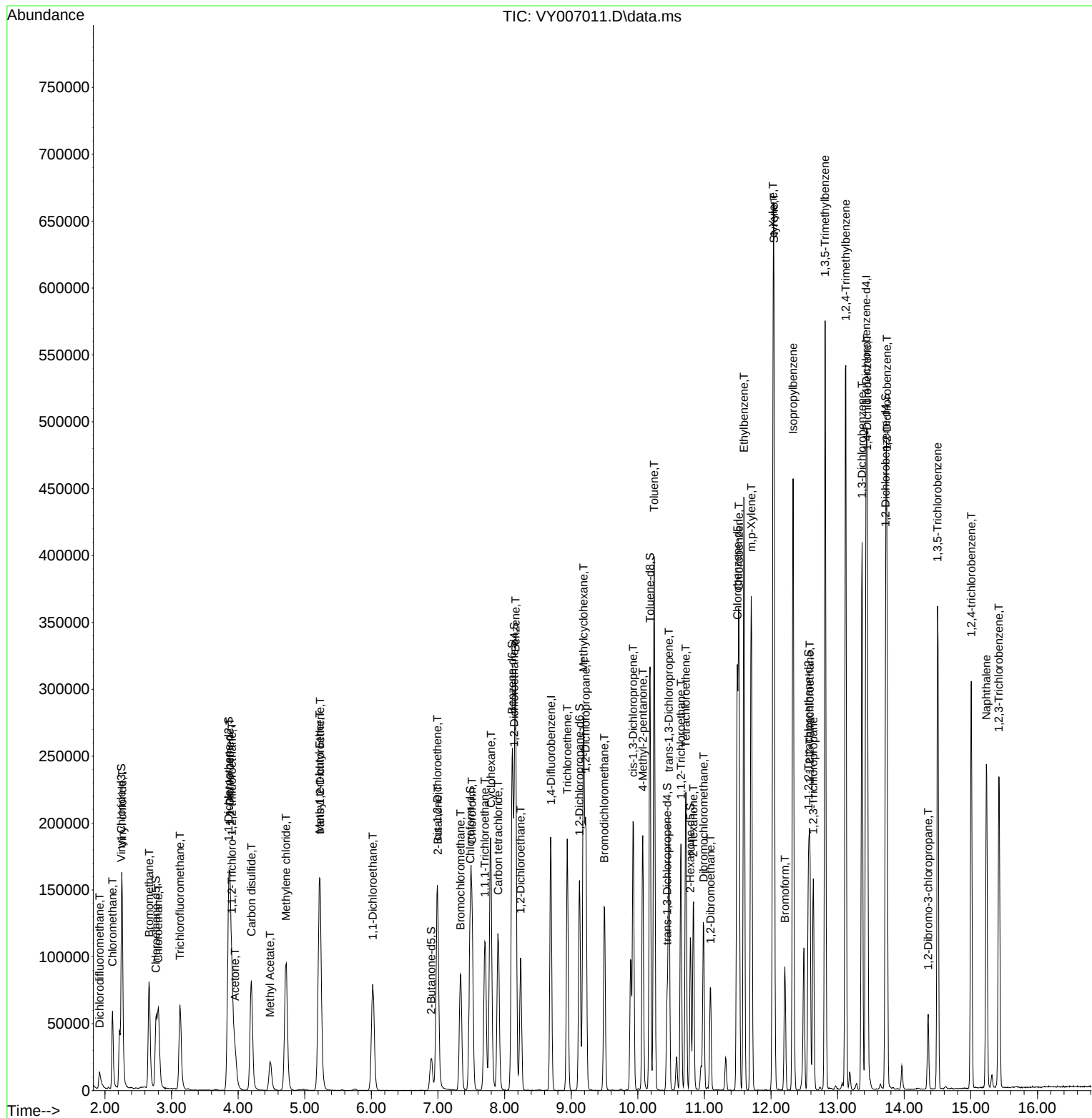
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.240	62	82668	25.231	ug/L	97
29) Cyclohexane	7.795	56	106992	24.097	ug/L	99
30) 1,1,1-Trichloroethane	7.704	97	92118	23.621	ug/L	99
31) Carbon tetrachloride	7.905	117	81514	22.977	ug/L	98
33) Benzene	8.167	78	252852	23.934	ug/L	100
34) Trichloroethene	8.941	95	60816	23.827	ug/L	99
35) Methylcyclohexane	9.185	83	106025	23.782	ug/L	99
37) 1,2-Dichloropropane	9.216	63	70894	24.292	ug/L	99
38) Bromodichloromethane	9.496	83	87127	24.063	ug/L	98
39) cis-1,3-Dichloropropene	9.929	75	106065	24.052	ug/L	98
40) 4-Methyl-2-pentanone	10.075	43	133320	51.470	ug/L	100
42) Toluene	10.246	91	268006	24.019	ug/L	99
44) trans-1,3-Dichloropropene	10.465	75	99234	24.279	ug/L	96
45) 1,1,2-Trichloroethane	10.648	97	49981	24.144	ug/L	94
46) Tetrachloroethene	10.721	164	44779	22.842	ug/L	98
48) 2-Hexanone	10.837	43	93499	52.869	ug/L	100
49) Dibromochloromethane	10.990	129	58403	24.663	ug/L	98
50) 1,2-Dibromoethane	11.093	107	48329	24.909	ug/L	98
51) Chlorobenzene	11.520	112	158897	24.034	ug/L	98
52) Ethylbenzene	11.593	91	288818	23.574	ug/L	100
53) m,p-Xylene	11.703	106	107146	23.744	ug/L	97
54) o-Xylene	12.032	106	104295	24.415	ug/L	100
55) Styrene	12.044	104	182479	24.238	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.581	83	78213	28.435	ug/L	99
59) Bromoform	12.209	173	36034	19.180	ug/L	99
60) Isopropylbenzene	12.331	105	272496	19.444	ug/L	99
61) 1,2,3-Trichloropropane	12.636	75	58780	22.722	ug/L	98
62) 1,3,5-Trimethylbenzene	12.812	105	272716	24.220	ug/L	99
63) 1,2,4-Trimethylbenzene	13.123	105	285593	24.511	ug/L	99
64) 1,3-Dichlorobenzene	13.367	146	152368	23.663	ug/L	98
65) 1,4-Dichlorobenzene	13.447	146	151625	23.365	ug/L	99
67) 1,2-Dichlorobenzene	13.739	146	126238	21.613	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.361	75	13158	21.187	ug/L	94
69) 1,3,5-Trichlorobenzene	14.501	180	103886	21.987	ug/L	99
70) 1,2,4-trichlorobenzene	15.007	180	88939	22.135	ug/L	97
71) Naphthalene	15.233	128	193707	22.535	ug/L	99
72) 1,2,3-Trichlorobenzene	15.422	180	74899	20.034	ug/L	99

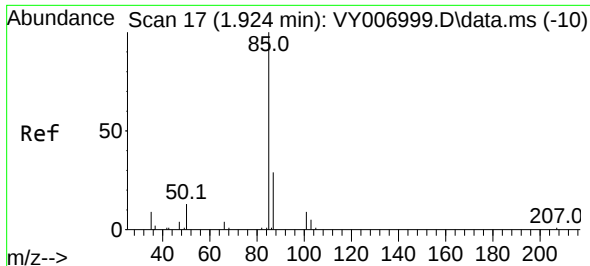
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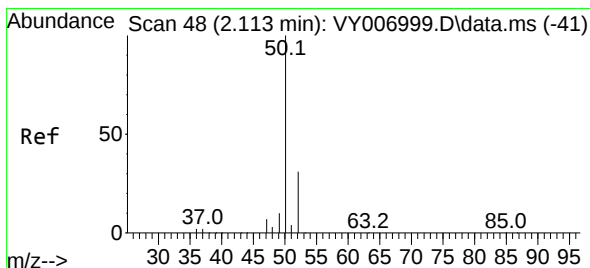
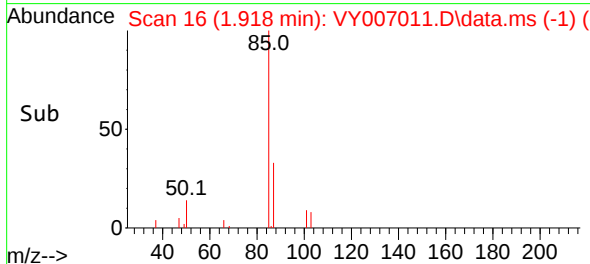
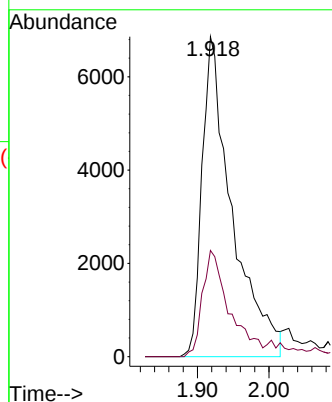
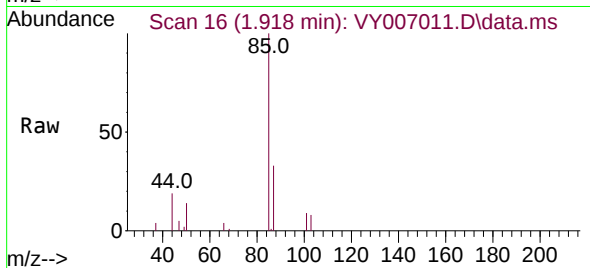




#2
 Dichlorodifluoromethane
 Concen: 20.076 ug/L
 RT: 1.918 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: VY007011.D
 Acq: 07 Dec 2021 20:56

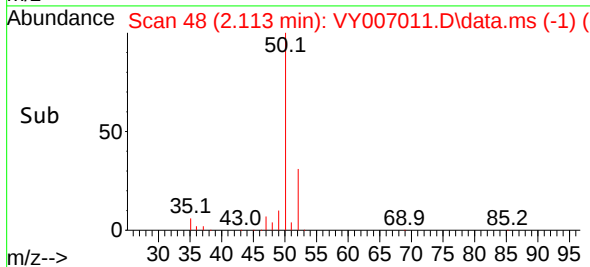
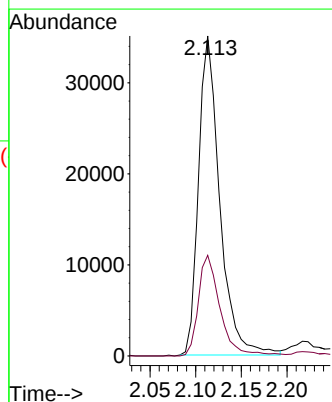
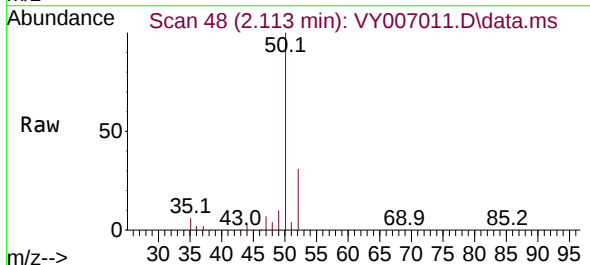
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 MSVOA_Y
 ClientSampleId :

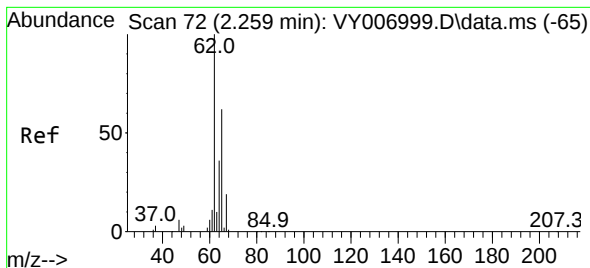
Tgt Ion: 85 Resp: 19938
 Ion Ratio Lower Upper
 85 100
 87 28.3 21.2 31.8



#3
 Chloromethane
 Concen: 23.006 ug/L
 RT: 2.113 min Scan# 48
 Delta R.T. 0.000 min
 Lab File: VY007011.D
 Acq: 07 Dec 2021 20:56

Tgt Ion: 50 Resp: 56769
 Ion Ratio Lower Upper
 50 100
 52 31.4 22.0 41.0

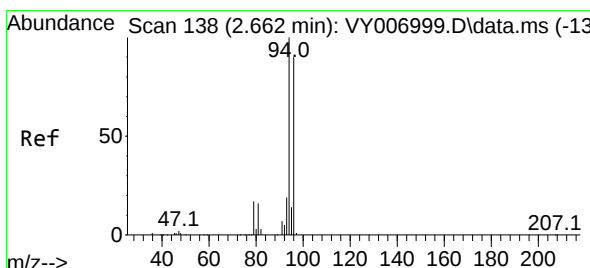
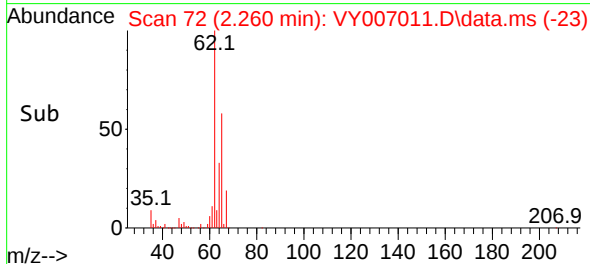
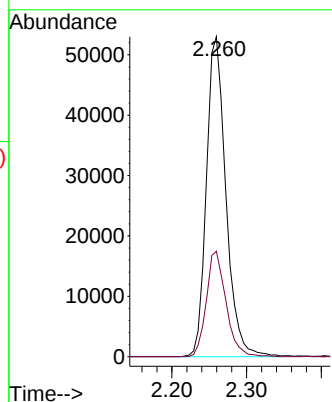
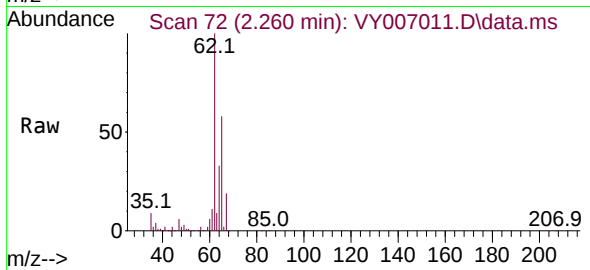




#5
 Vinyl chloride
 Concen: 24.350 ug/L
 RT: 2.260 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VY007011.D
 Acq: 07 Dec 2021 20:56

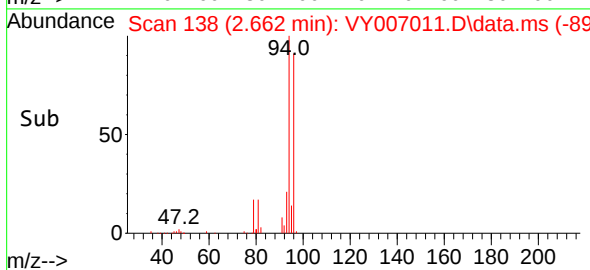
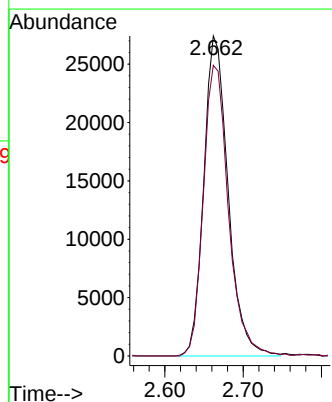
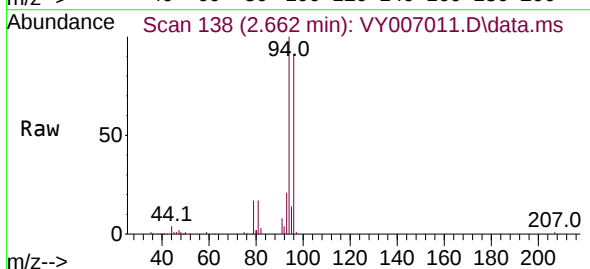
Instrument :
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 ClientSampleId :

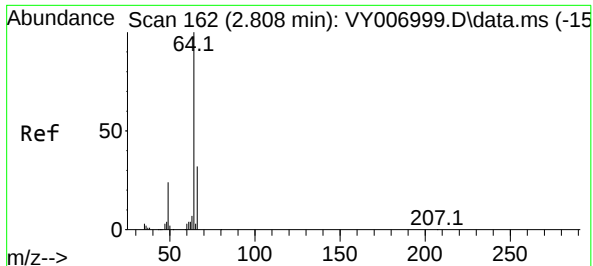
Tgt Ion: 62 Resp: 95997
 Ion Ratio Lower Upper
 62 100
 64 32.9 23.8 44.2



#6
 Bromomethane
 Concen: 25.614 ug/L
 RT: 2.662 min Scan# 138
 Delta R.T. 0.000 min
 Lab File: VY007011.D
 Acq: 07 Dec 2021 20:56

Tgt Ion: 94 Resp: 59249
 Ion Ratio Lower Upper
 94 100
 96 90.9 68.0 126.4

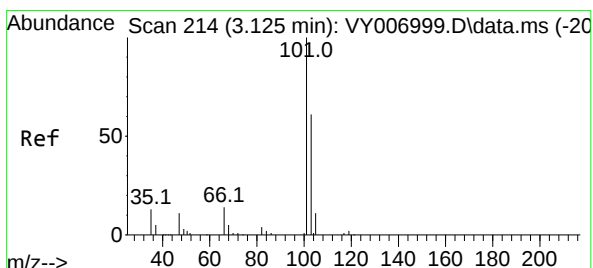
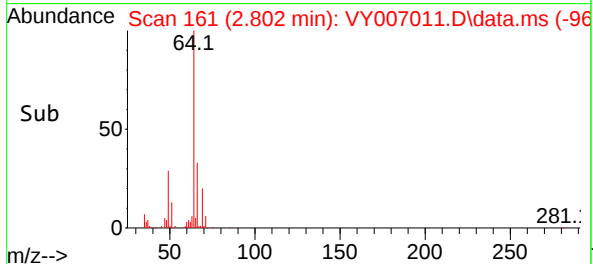
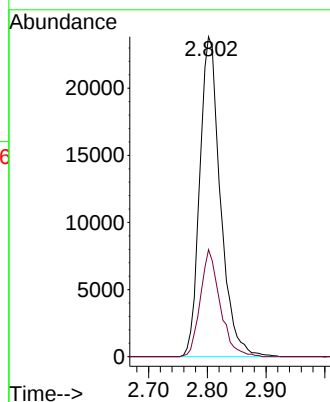
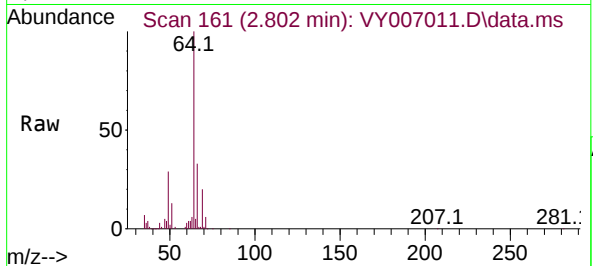




#8
Chloroethane
Concen: 25.427 ug/L
RT: 2.802 min Scan# 161
Delta R.T. -0.006 min
Lab File: VY007011.D
Acq: 07 Dec 2021 20:56

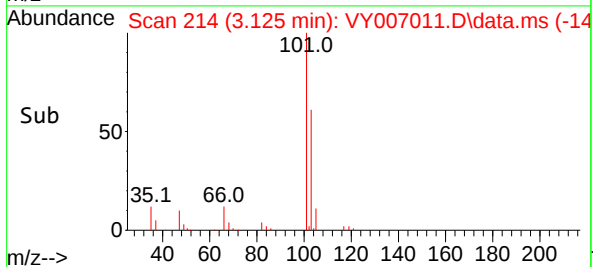
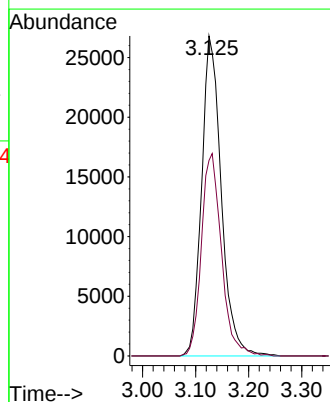
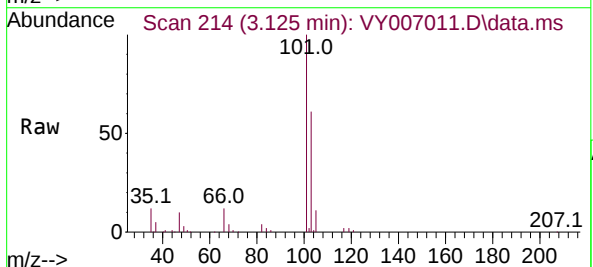
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MSVOA_Y
ClientSampleId :

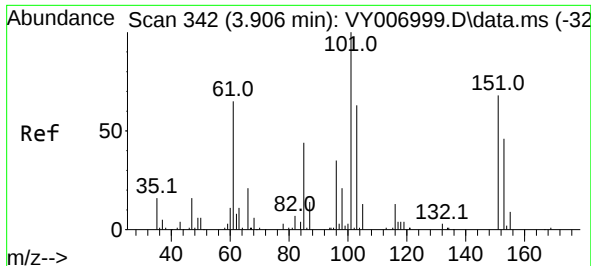
Tgt Ion: 64 Resp: 58274
Ion Ratio Lower Upper
64 100
66 33.5 21.8 40.4



#9
Trichlorofluoromethane
Concen: 27.506 ug/L
RT: 3.125 min Scan# 214
Delta R.T. 0.000 min
Lab File: VY007011.D
Acq: 07 Dec 2021 20:56

Tgt Ion: 101 Resp: 69001
Ion Ratio Lower Upper
101 100
103 64.4 51.1 76.7

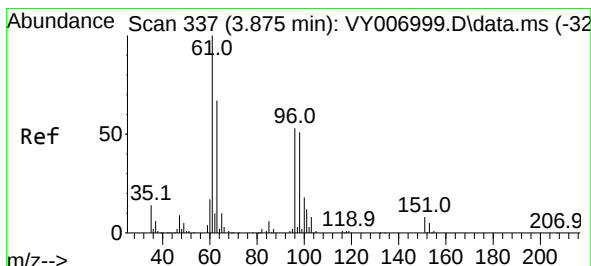
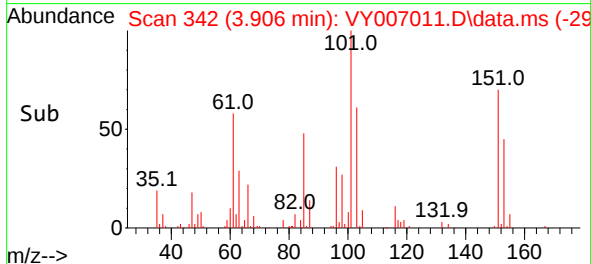
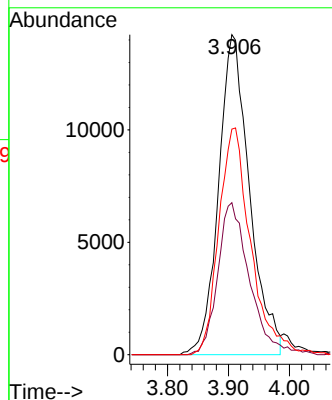
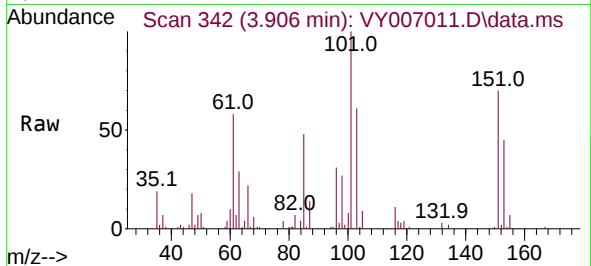




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 23.612 ug/L
RT: 3.906 min Scan# 342
Delta R.T. 0.000 min
Lab File: VY007011.D
Acq: 07 Dec 2021 20:56

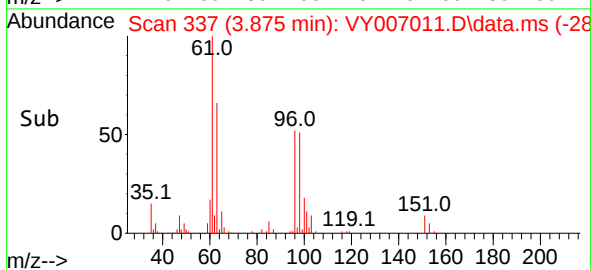
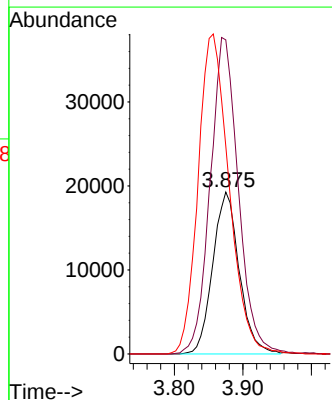
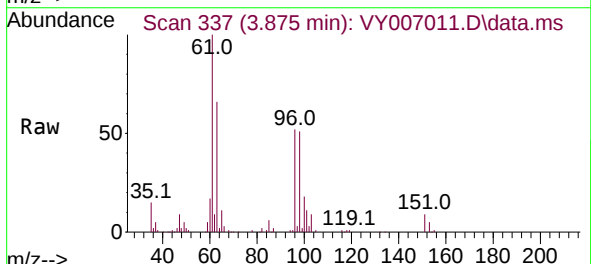
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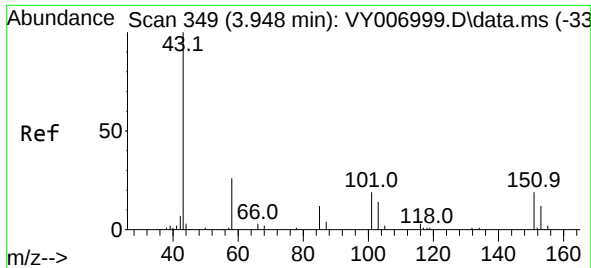
Tgt Ion:101 Resp: 50276
Ion Ratio Lower Upper
101 100
85 48.3 34.6 52.0
151 72.6 55.0 82.4



#12
1,1-Dichloroethene
Concen: 23.730 ug/L
RT: 3.875 min Scan# 337
Delta R.T. 0.000 min
Lab File: VY007011.D
Acq: 07 Dec 2021 20:56

Tgt Ion: 96 Resp: 51713
Ion Ratio Lower Upper
96 100
61 194.0 142.0 263.8
63 128.4 110.9 205.9





#13

Acetone

Concen: 44.150 ug/L

RT: 3.954 min Scan# 3

Delta R.T. 0.006 min

Lab File: VY007011.D

Acq: 07 Dec 2021 20:56

Instrument :

MSVOA_Y

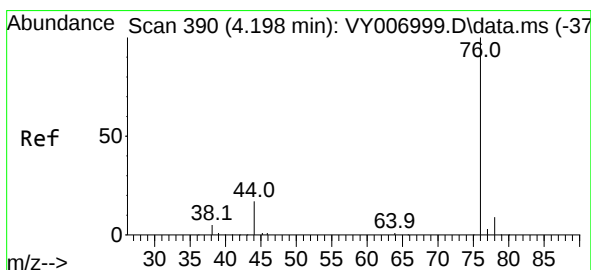
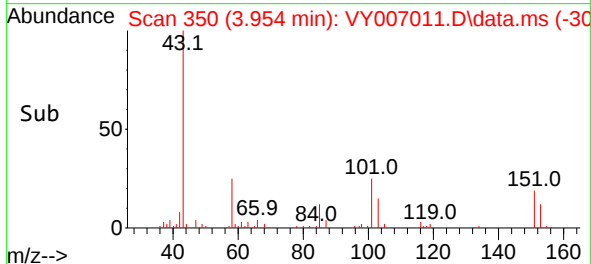
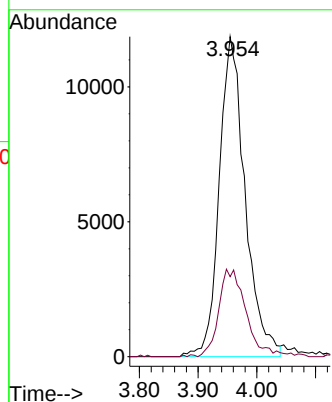
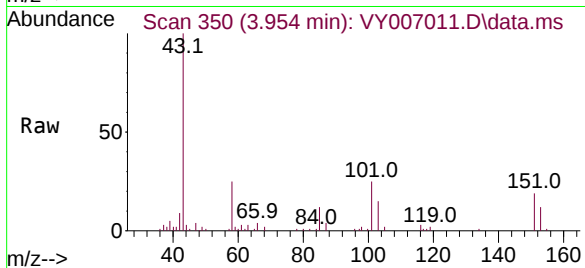
ClientSampleId :

Tgt Ion: 43 Resp: 36292

Ion Ratio Lower Upper

43 100

58 27.3 0.0 56.4



#14

Carbon disulfide

Concen: 23.522 ug/L

RT: 4.198 min Scan# 390

Delta R.T. 0.000 min

Lab File: VY007011.D

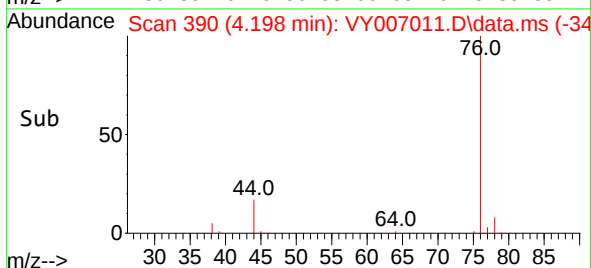
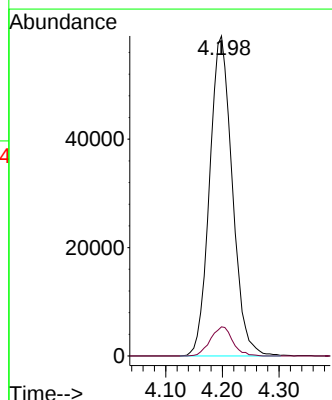
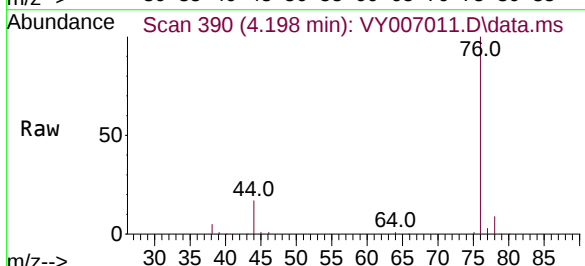
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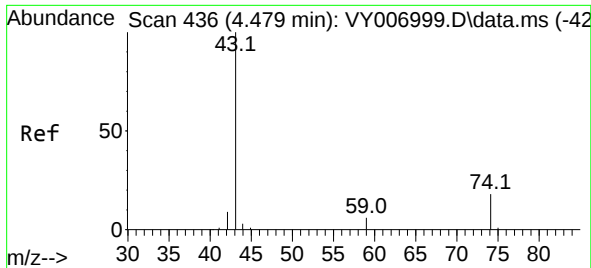
Tgt Ion: 76 Resp: 164326

Ion Ratio Lower Upper

76 100

78 9.1 7.8 11.8

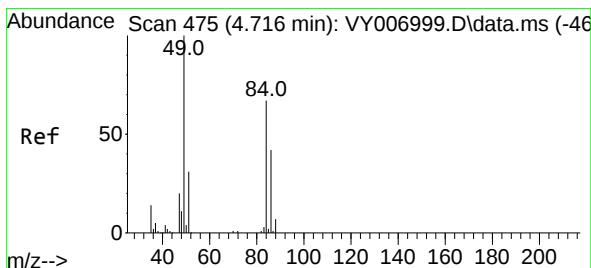
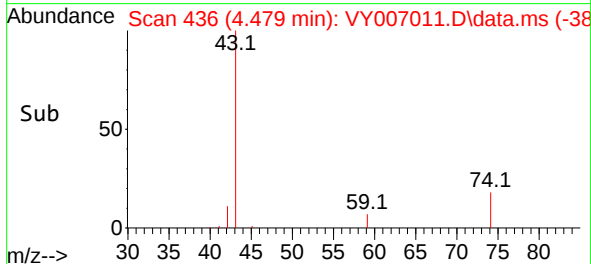
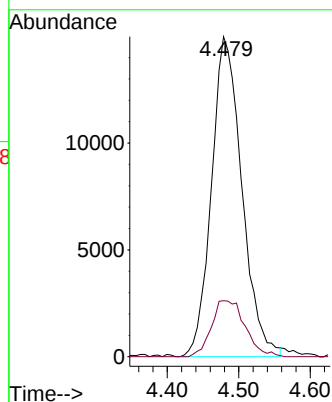
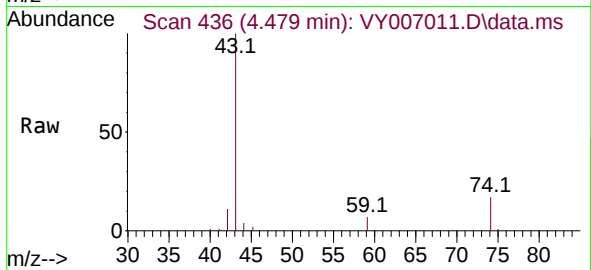




#15
Methyl Acetate
Concen: 25.699 ug/L
RT: 4.479 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY007011.D
Acq: 07 Dec 2021 20:56

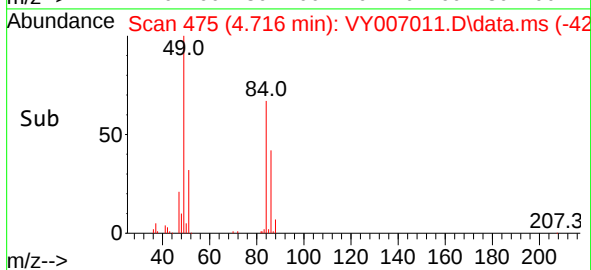
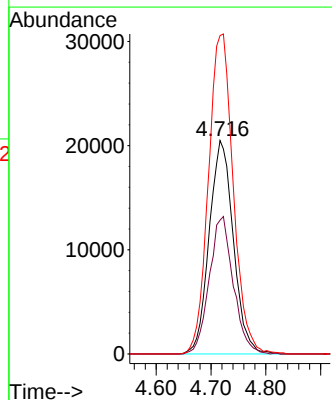
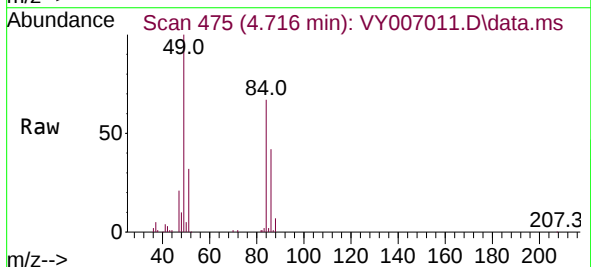
Instrument :
MSVOA_Y
ClientSampleId :

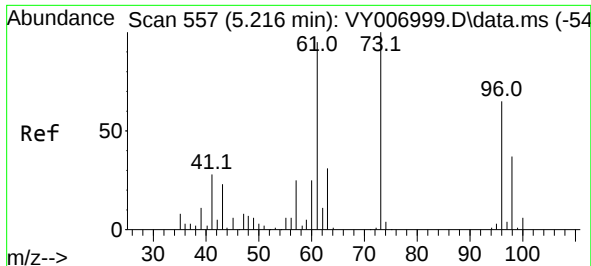
Tgt Ion: 43 Resp: 44159
Ion Ratio Lower Upper
43 100
74 12.4 5.6 8.4#



#16
Methylene chloride
Concen: 20.615 ug/L
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY007011.D
Acq: 07 Dec 2021 20:56

Tgt Ion: 84 Resp: 62757
Ion Ratio Lower Upper
84 100
86 62.7 43.0 79.8
49 149.1 105.3 195.6





#17

trans-1,2-Dichloroethene

Concen: 24.524 ug/L

RT: 5.228 min Scan# 559

Delta R.T. 0.012 min

Lab File: VY007011.D

Acq: 07 Dec 2021 20:56

Instrument :

MSVOA_Y

ClientSampleId :

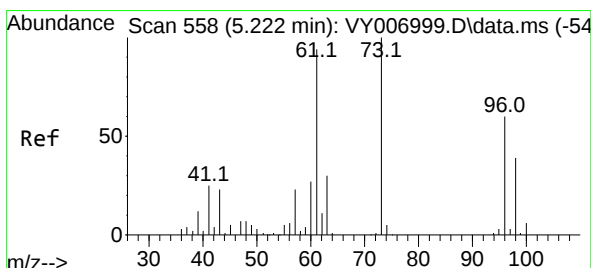
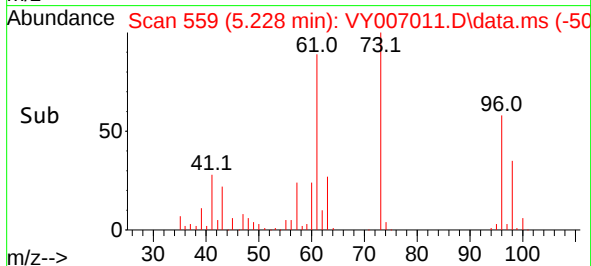
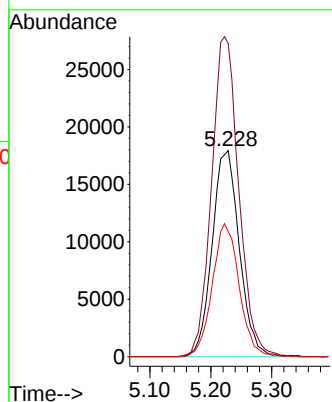
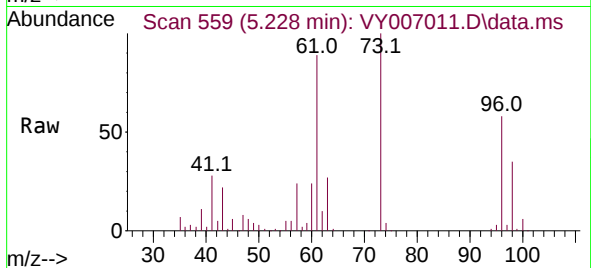
Tgt Ion: 96 Resp: 55619

Ion Ratio Lower Upper

96 100

61 152.1 106.5 197.9

98 60.7 44.7 82.9



#18

Methyl tert-butyl Ether

Concen: 25.345 ug/L

RT: 5.222 min Scan# 558

Delta R.T. 0.000 min

Lab File: VY007011.D

Acq: 07 Dec 2021 20:56

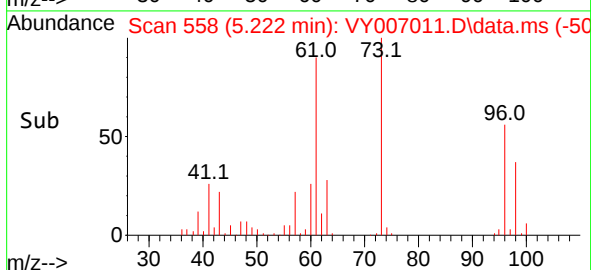
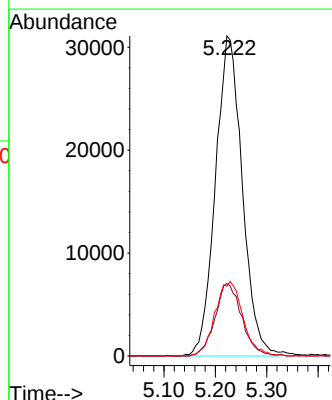
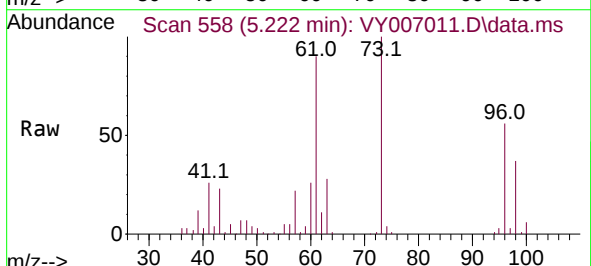
Tgt Ion: 73 Resp: 112506

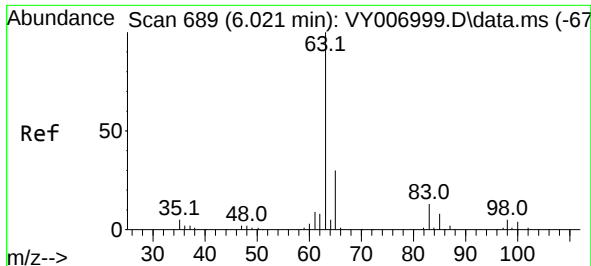
Ion Ratio Lower Upper

73 100

43 22.5 17.7 26.5

57 24.1 19.4 29.2





#19

1,1-Dichloroethane

Concen: 24.479 ug/L

RT: 6.021 min Scan# 61

Delta R.T. 0.000 min

Lab File: VY007011.D

Acq: 07 Dec 2021 20:56

Instrument :

MSVOA_Y

ClientSampleId :

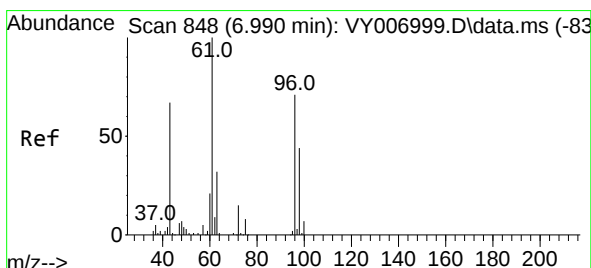
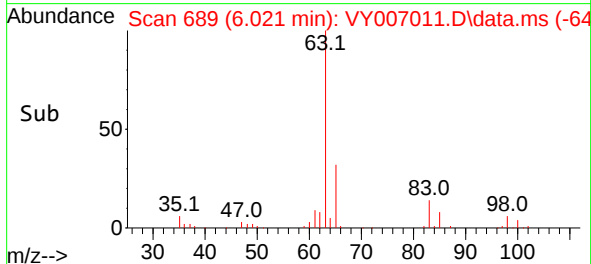
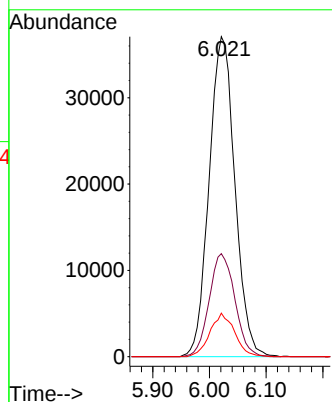
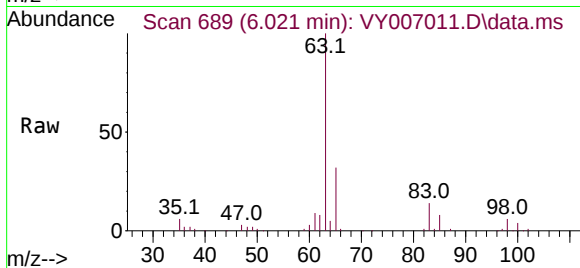
Tgt Ion: 63 Resp: 117155

Ion Ratio Lower Upper

63 100

65 32.2 22.7 42.1

83 13.6 9.1 16.9



#20

cis-1,2-Dichloroethene

Concen: 24.393 ug/L

RT: 6.990 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY007011.D

Acq: 07 Dec 2021 20:56

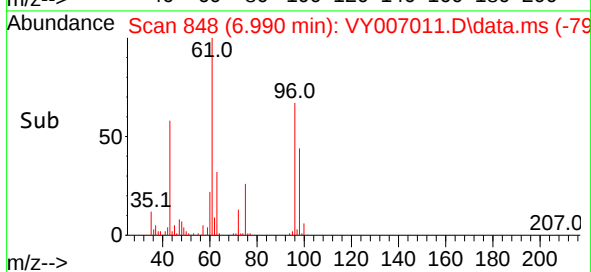
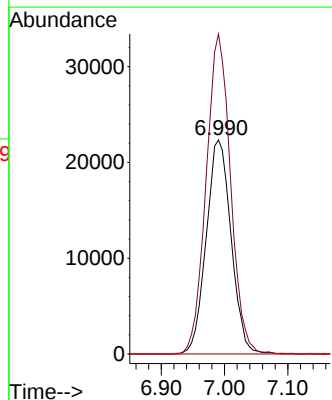
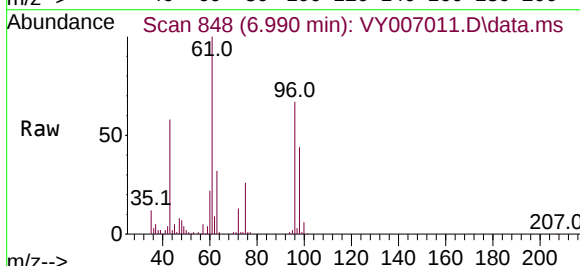
Tgt Ion: 96 Resp: 61005

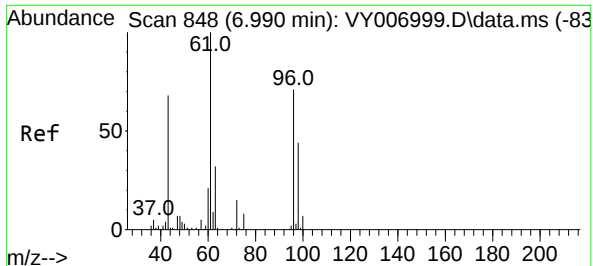
Ion Ratio Lower Upper

96 100

61 149.5 100.2 186.0

68 0.0 0.0 0.0

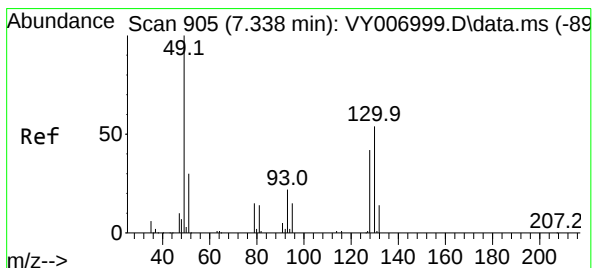
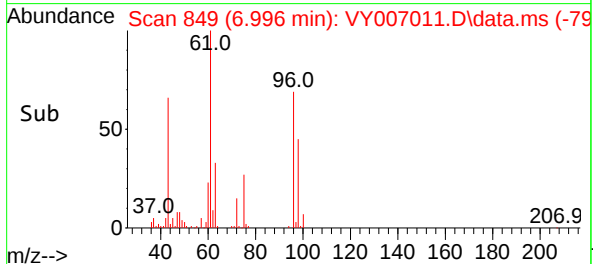
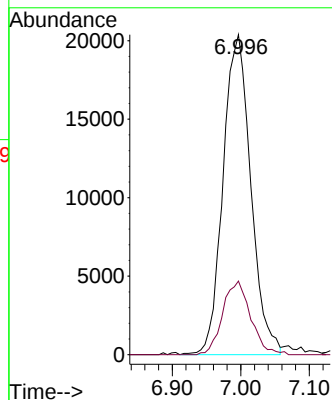
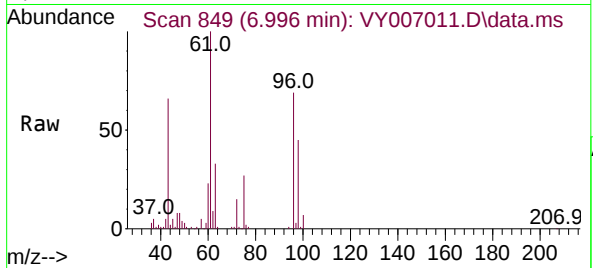




#22
2-Butanone
Concen: 49.586 ug/L
RT: 6.996 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY007011.D
Acq: 07 Dec 2021 20:56

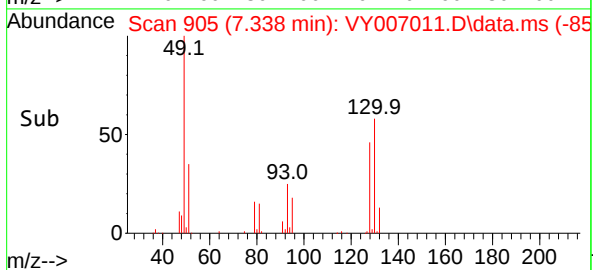
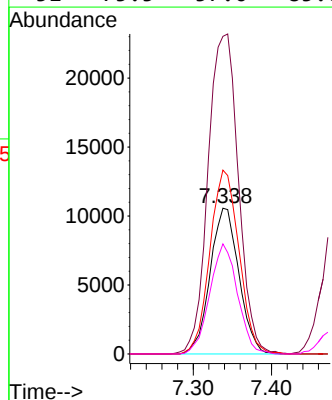
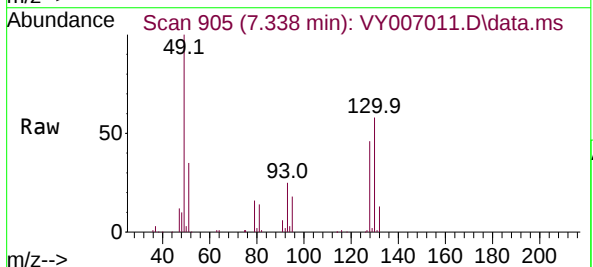
Instrument :
MSVOA_Y
ClientSampleId :

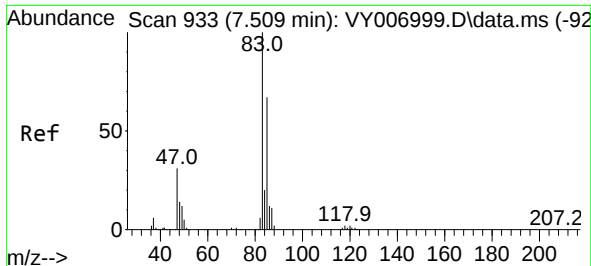
Tgt Ion: 43 Resp: 57389
Ion Ratio Lower Upper
43 100
72 23.0 11.4 34.2



#23
Bromochloromethane
Concen: 24.695 ug/L
RT: 7.338 min Scan# 905
Delta R.T. 0.000 min
Lab File: VY007011.D
Acq: 07 Dec 2021 20:56

Tgt Ion:128 Resp: 27015
Ion Ratio Lower Upper
128 100
49 218.0 150.1 278.7
130 126.2 81.1 150.5
51 75.5 57.0 85.6

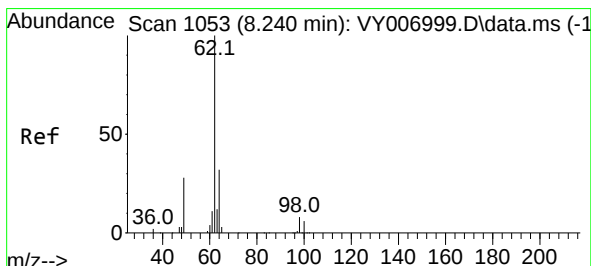
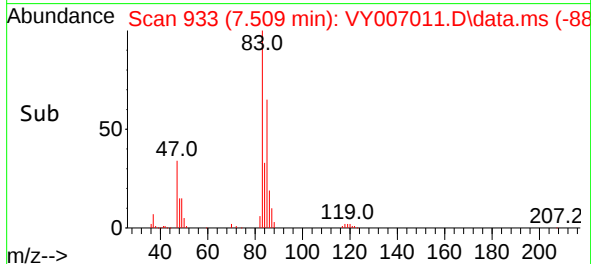
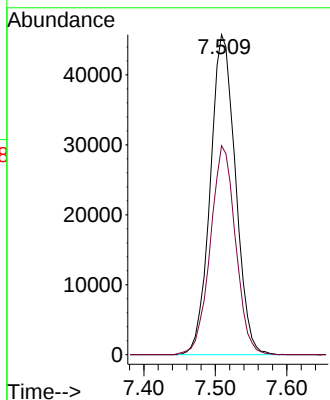
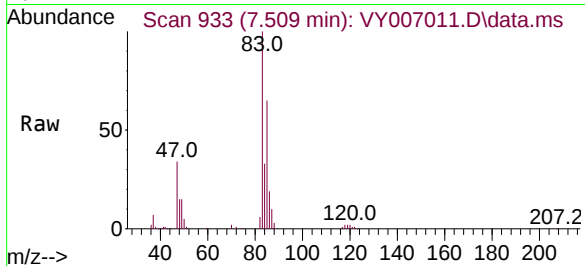




#25
Chloroform
Concen: 24.345 ug/L
RT: 7.509 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY007011.D
Acq: 07 Dec 2021 20:56

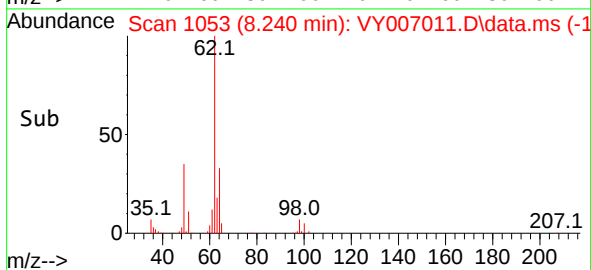
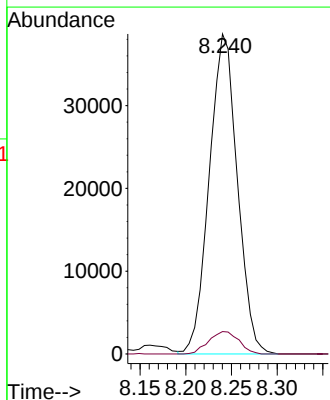
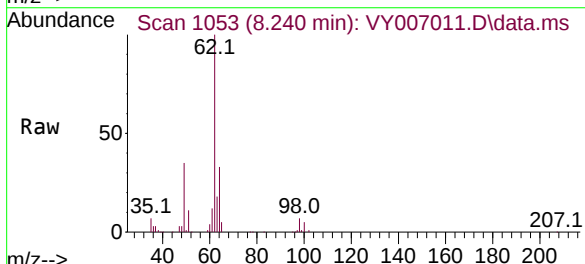
Instrument :
MSVOA_Y
ClientSampleId :

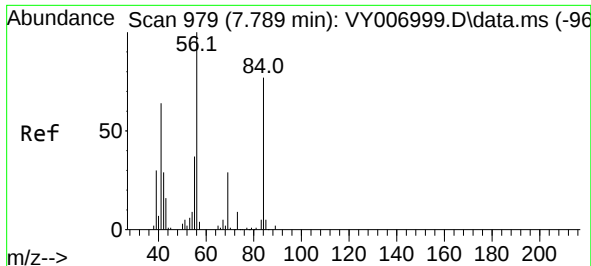
Tgt Ion: 83 Resp: 111849
Ion Ratio Lower Upper
83 100
85 65.3 43.9 81.5



#27
1,2-Dichloroethane
Concen: 25.231 ug/L
RT: 8.240 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VY007011.D
Acq: 07 Dec 2021 20:56

Tgt Ion: 62 Resp: 82668
Ion Ratio Lower Upper
62 100
98 7.0 6.6 9.8





#29

Cyclohexane

Concen: 24.097 ug/L

RT: 7.795 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY007011.D

Acq: 07 Dec 2021 20:56

Instrument :

MSVOA_Y

ClientSampleId :

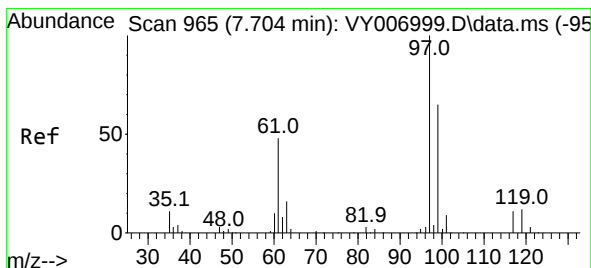
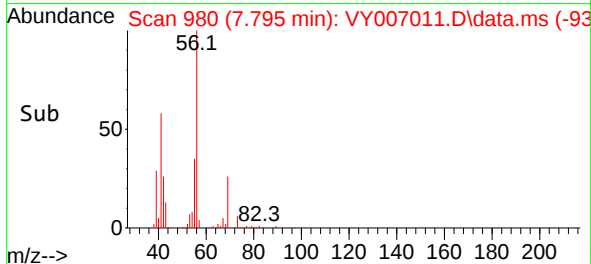
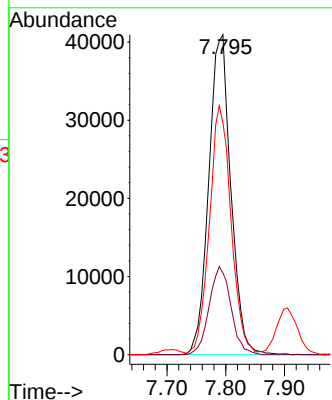
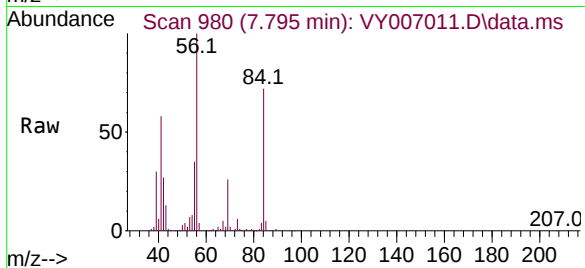
Tgt Ion: 56 Resp: 106992

Ion Ratio Lower Upper

56 100

69 27.2 22.0 33.0

84 76.2 61.7 92.5



#30

1,1,1-Trichloroethane

Concen: 23.621 ug/L

RT: 7.704 min Scan# 965

Delta R.T. 0.000 min

Lab File: VY007011.D

Acq: 07 Dec 2021 20:56

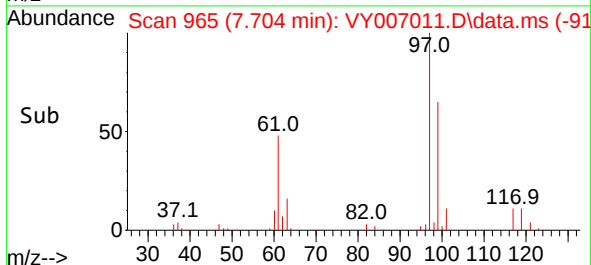
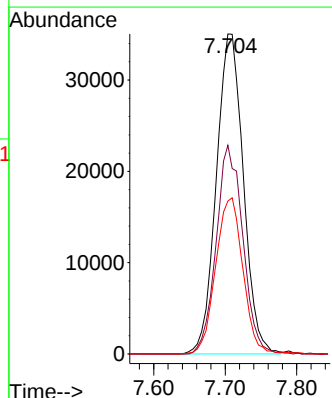
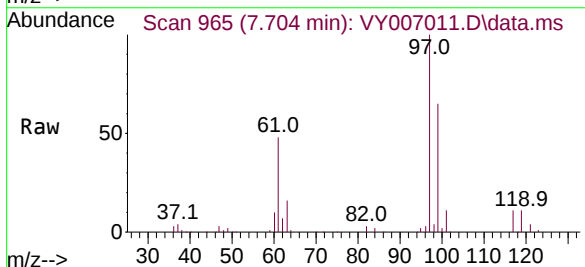
Tgt Ion: 97 Resp: 92118

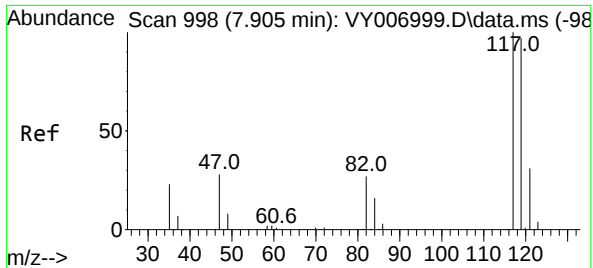
Ion Ratio Lower Upper

97 100

99 64.1 50.7 76.1

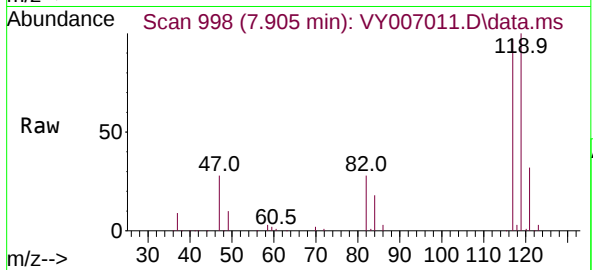
61 48.9 38.5 57.7



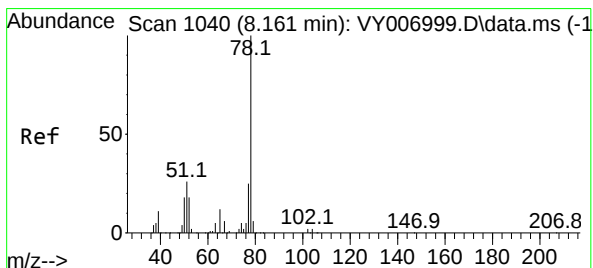
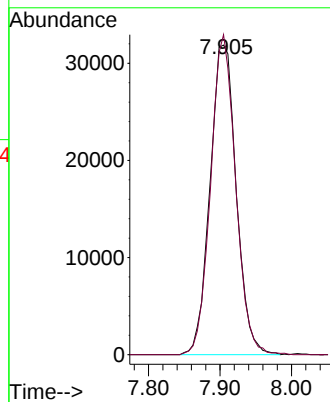
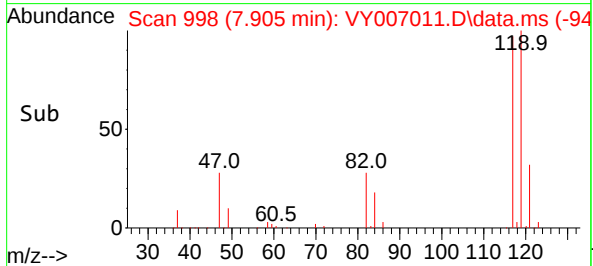


#31
Carbon tetrachloride
Concen: 22.977 ug/L
RT: 7.905 min Scan# 998
Delta R.T. 0.000 min
Lab File: VY007011.D
Acq: 07 Dec 2021 20:56

Instrument :
MSVOA_Y
ClientSampleId :

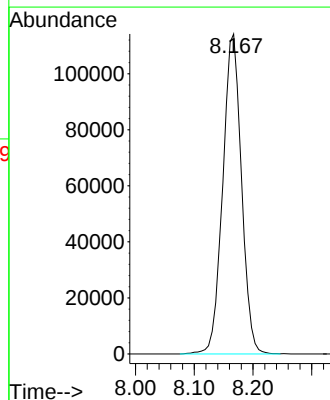
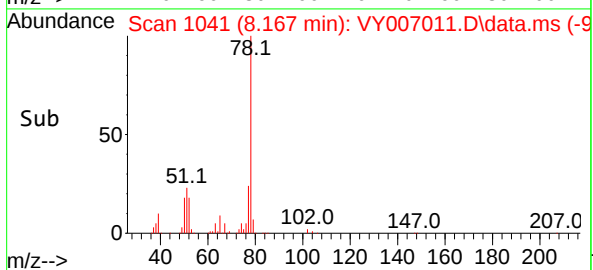
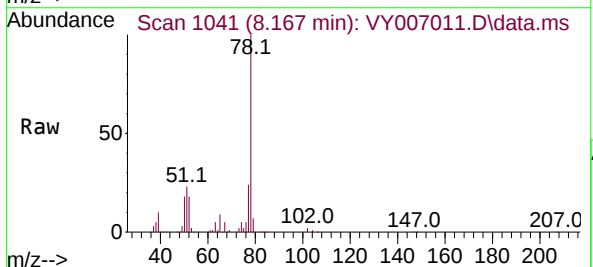


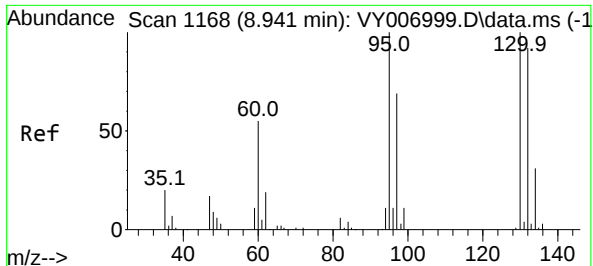
Tgt Ion:117 Resp: 81514
Ion Ratio Lower Upper
117 100
119 97.8 76.4 114.6



#33
Benzene
Concen: 23.934 ug/L
RT: 8.167 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY007011.D
Acq: 07 Dec 2021 20:56

Tgt Ion: 78 Resp: 252852



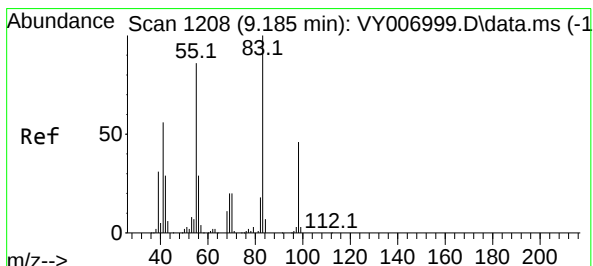
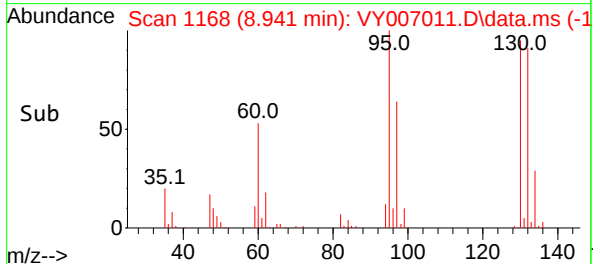
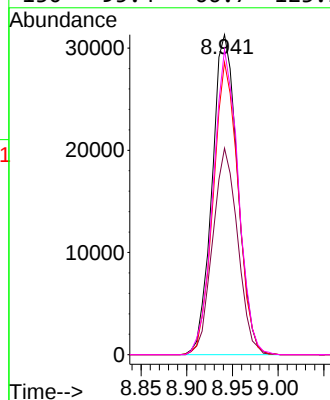
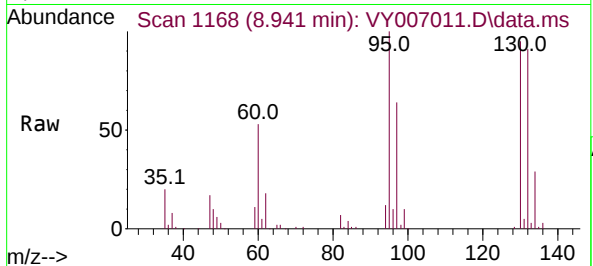


#34
Trichloroethene
Concen: 23.827 ug/L
RT: 8.941 min Scan# 1168
Delta R.T. 0.000 min
Lab File: VY007011.D
Acq: 07 Dec 2021 20:56

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 95 Resp: 60816

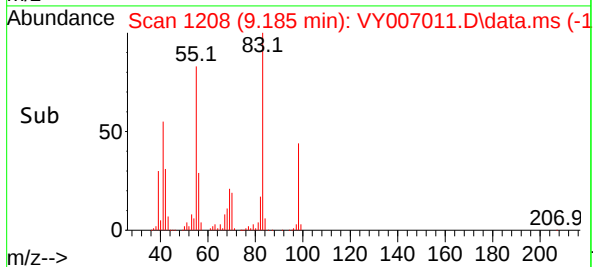
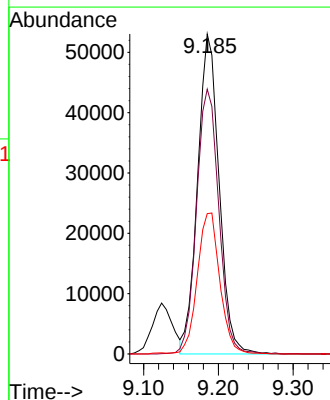
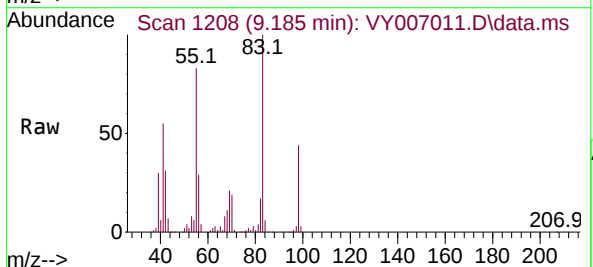
Ion	Ratio	Lower	Upper
95	100		
97	64.5	46.4	86.2
132	91.4	63.0	117.0
130	95.4	66.7	123.9

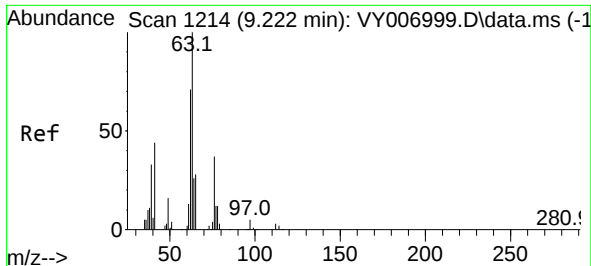


#35
Methylcyclohexane
Concen: 23.782 ug/L
RT: 9.185 min Scan# 1208
Delta R.T. 0.000 min
Lab File: VY007011.D
Acq: 07 Dec 2021 20:56

Tgt Ion: 83 Resp: 106025

Ion	Ratio	Lower	Upper
83	100		
55	85.8	68.9	103.3
98	46.2	37.8	56.8





#37

1,2-Dichloropropane

Concen: 24.292 ug/L

RT: 9.216 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY007011.D

Acq: 07 Dec 2021 20:56

Instrument :

MSVOA_Y

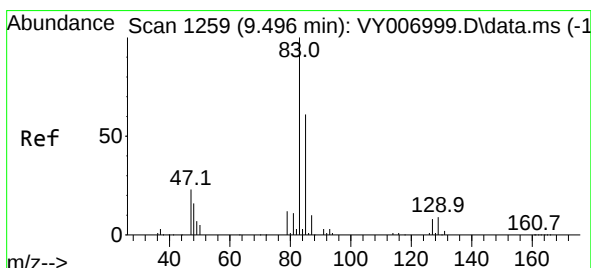
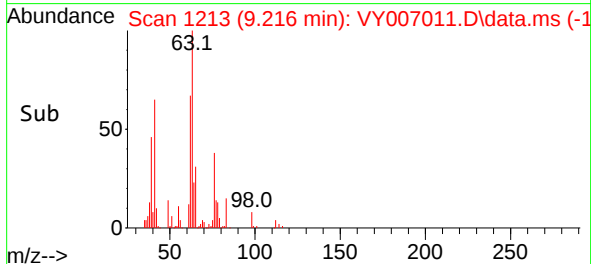
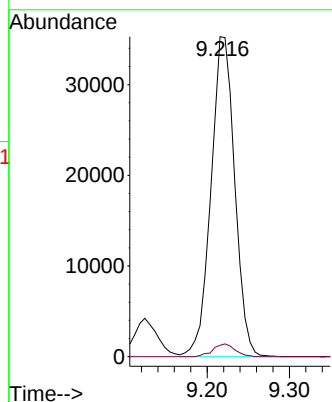
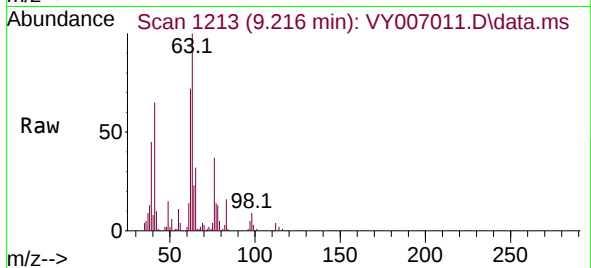
ClientSampleId :

Tgt Ion: 63 Resp: 70894

Ion Ratio Lower Upper

63 100

112 3.7 2.8 4.2



#38

Bromodichloromethane

Concen: 24.063 ug/L

RT: 9.496 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VY007011.D

Acq: 07 Dec 2021 20:56

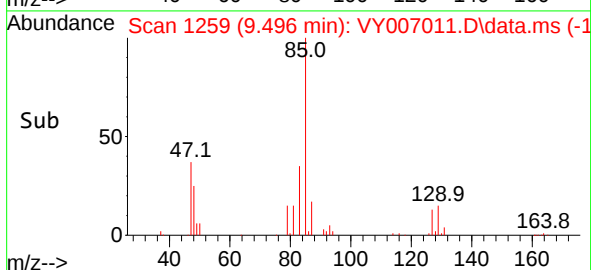
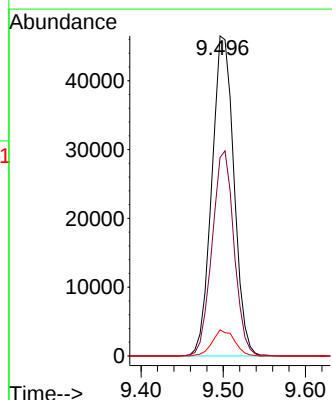
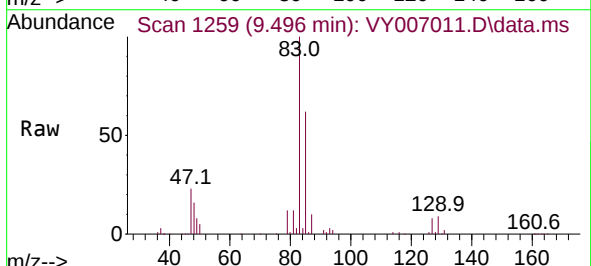
Tgt Ion: 83 Resp: 87127

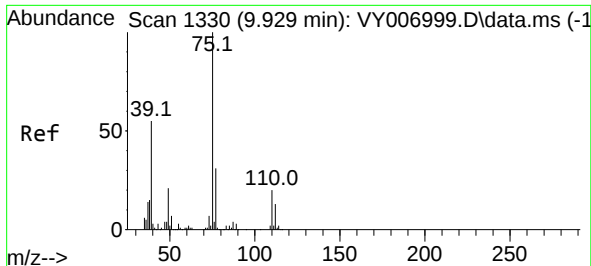
Ion Ratio Lower Upper

83 100

85 62.0 44.7 82.9

127 8.2 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 24.052 ug/L

RT: 9.929 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY007011.D

Acq: 07 Dec 2021 20:56

Instrument :

MSVOA_Y

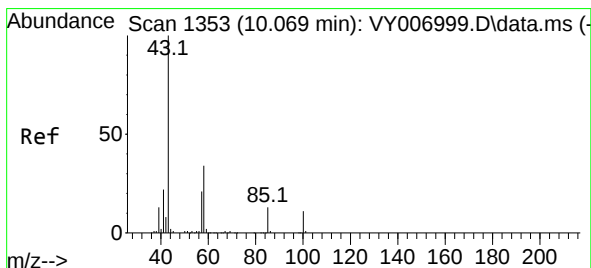
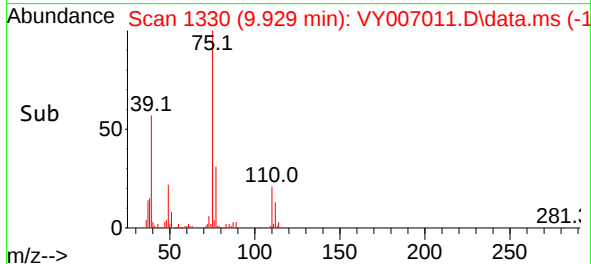
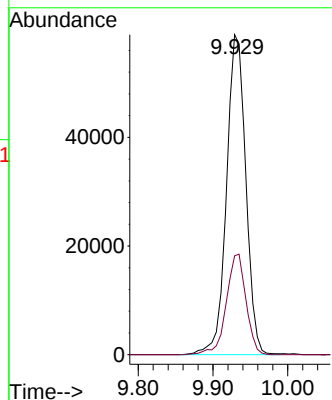
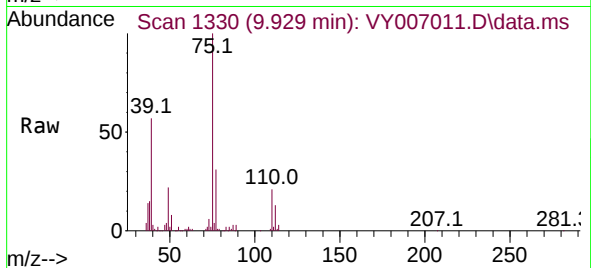
ClientSampleId :

Tgt Ion: 75 Resp: 106065

Ion Ratio Lower Upper

75 100

77 30.9 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 51.470 ug/L

RT: 10.075 min Scan# 1354

Delta R.T. 0.006 min

Lab File: VY007011.D

Acq: 07 Dec 2021 20:56

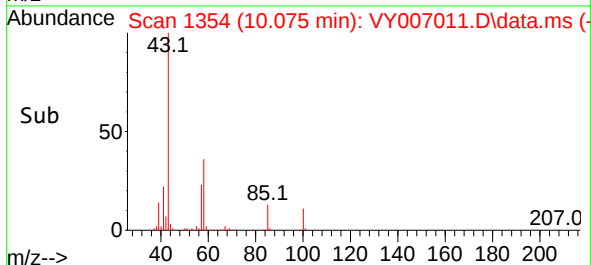
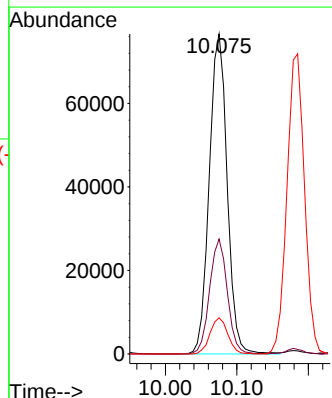
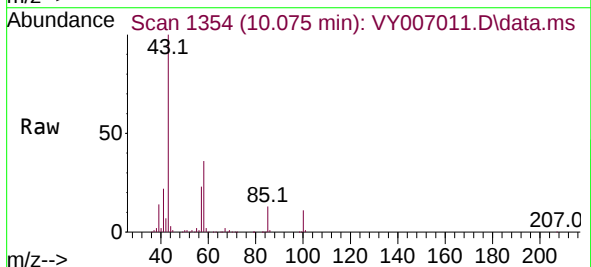
Tgt Ion: 43 Resp: 133320

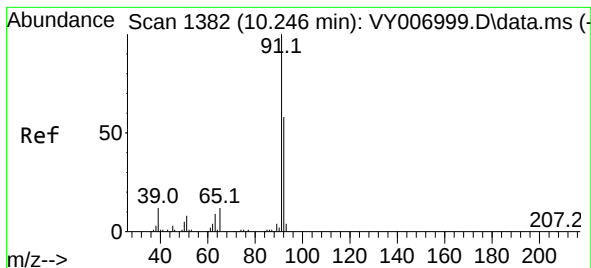
Ion Ratio Lower Upper

43 100

58 35.5 28.6 42.8

100 11.2 9.2 13.8





#42

Toluene

Concen: 24.019 ug/L

RT: 10.246 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY007011.D

Acq: 07 Dec 2021 20:56

Instrument :

MSVOA_Y

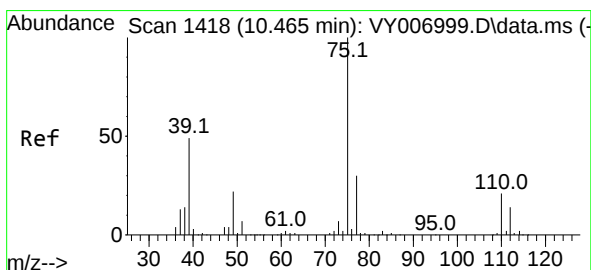
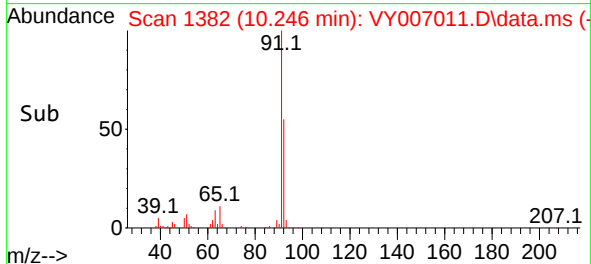
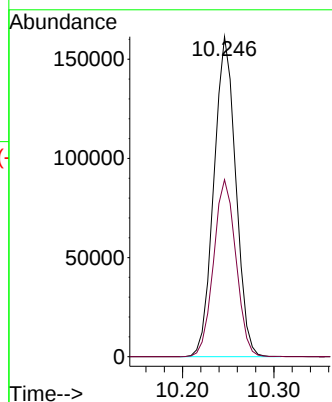
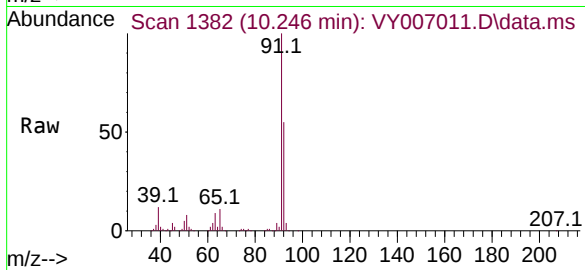
ClientSampleId :

Tgt Ion: 91 Resp: 268006

Ion Ratio Lower Upper

91 100

92 55.3 38.2 71.0



#44

trans-1,3-Dichloropropene

Concen: 24.279 ug/L

RT: 10.465 min Scan# 1418

Delta R.T. 0.000 min

Lab File: VY007011.D

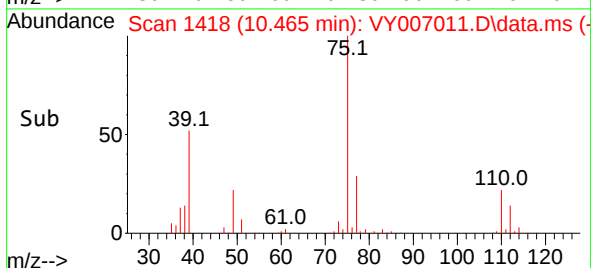
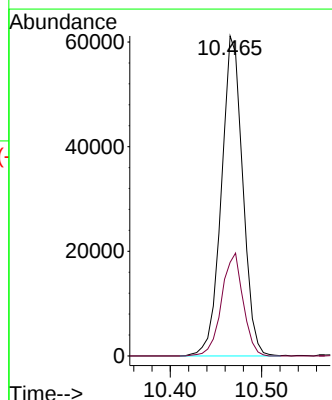
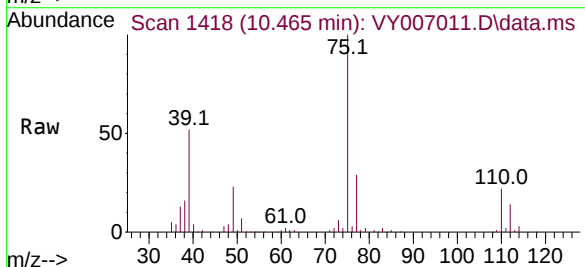
Acq: 07 Dec 2021 20:56

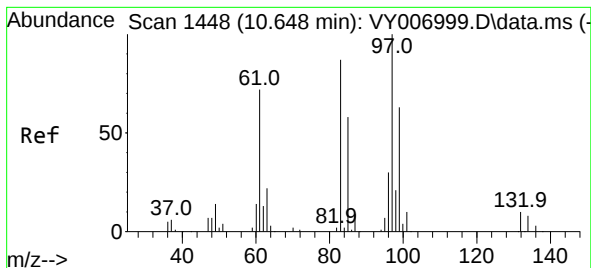
Tgt Ion: 75 Resp: 99234

Ion Ratio Lower Upper

75 100

77 29.3 21.8 40.6





#45

1,1,2-Trichloroethane

Concen: 24.144 ug/L

RT: 10.648 min Scan# 1448

Delta R.T. 0.000 min

Lab File: VY007011.D

Acq: 07 Dec 2021 20:56

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 97 Resp: 49981

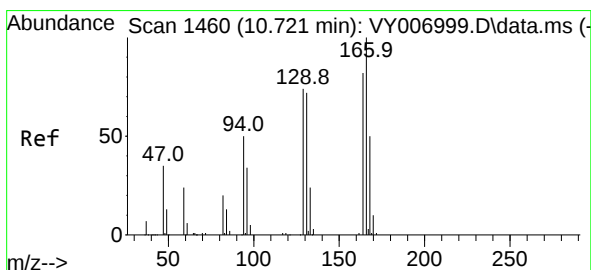
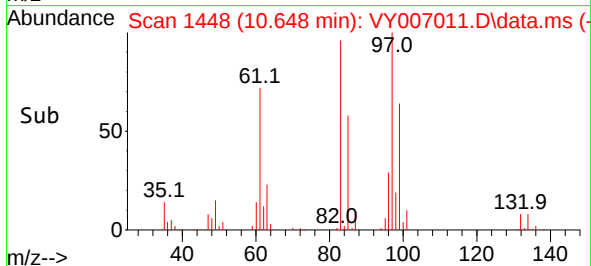
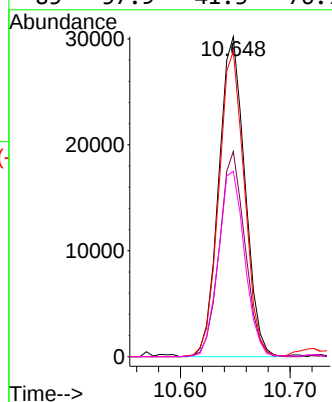
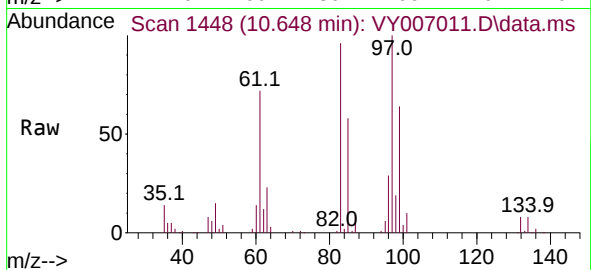
Ion Ratio Lower Upper

97 100

99 64.2 43.4 80.6

83 95.5 59.8 111.1

85 57.9 41.3 76.7



#46

Tetrachloroethene

Concen: 22.842 ug/L

RT: 10.721 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VY007011.D

Acq: 07 Dec 2021 20:56

Tgt Ion:164 Resp: 44779

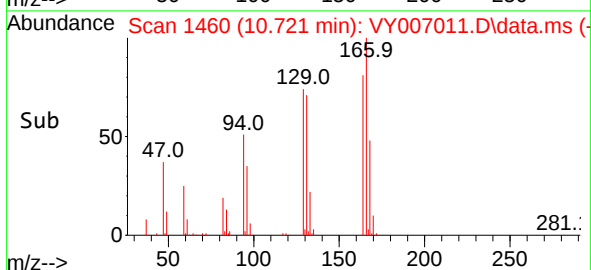
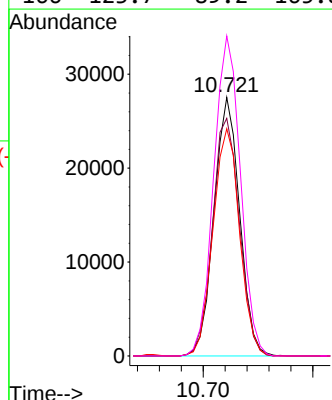
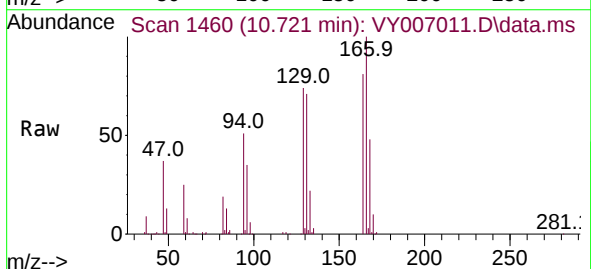
Ion Ratio Lower Upper

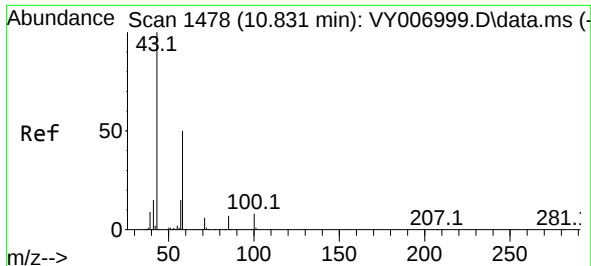
164 100

129 91.9 64.0 118.8

131 87.9 60.5 112.5

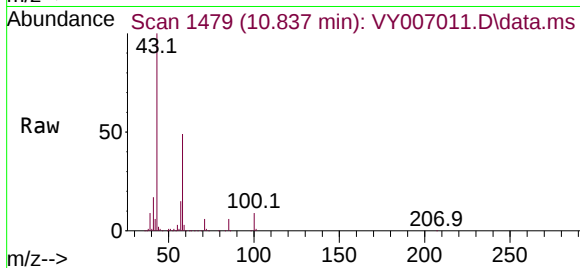
166 123.7 89.2 165.8



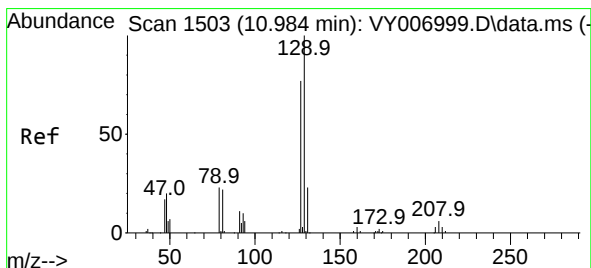
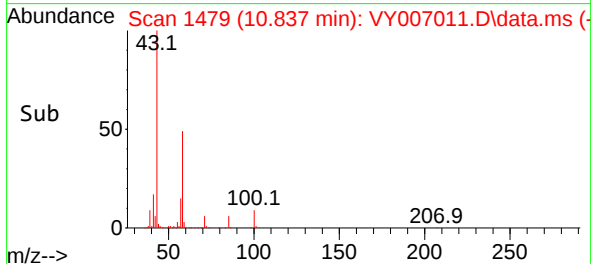
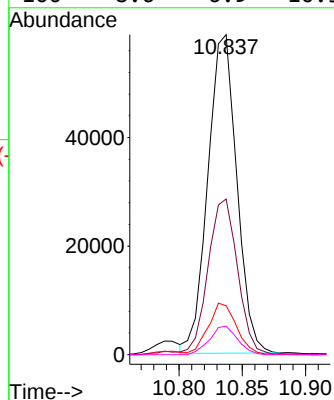


#48
2-Hexanone
Concen: 52.869 ug/L
RT: 10.837 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VY007011.D
Acq: 07 Dec 2021 20:56

Instrument :
MSVOA_Y
ClientSampleId :

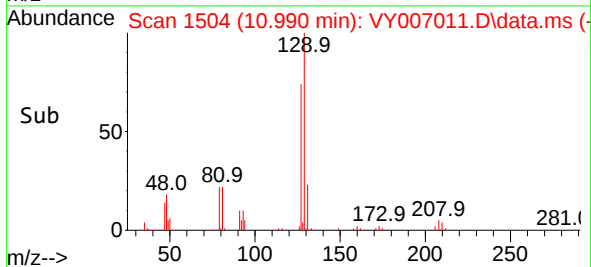
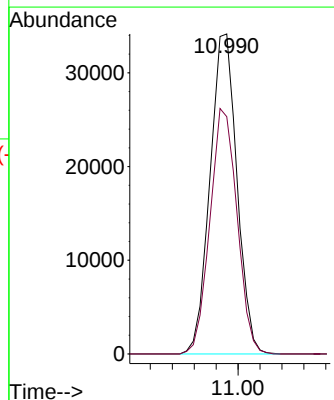
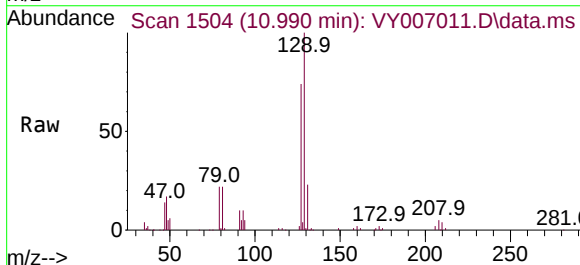


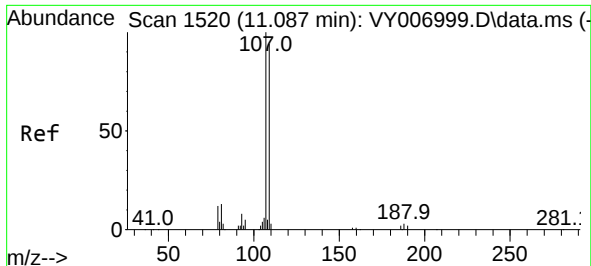
Tgt Ion: 43 Resp: 93499
Ion Ratio Lower Upper
43 100
58 49.9 40.1 60.1
57 15.9 13.0 19.6
100 8.6 6.9 10.3



#49
Dibromochloromethane
Concen: 24.663 ug/L
RT: 10.990 min Scan# 1504
Delta R.T. 0.006 min
Lab File: VY007011.D
Acq: 07 Dec 2021 20:56

Tgt Ion: 129 Resp: 58403
Ion Ratio Lower Upper
129 100
127 74.1 52.8 98.2





#50

1,2-Dibromoethane

Concen: 24.909 ug/L

RT: 11.093 min Scan# 1521

Delta R.T. 0.006 min

Lab File: VY007011.D

Acq: 07 Dec 2021 20:56

Instrument :

MSVOA_Y

ClientSampleId :

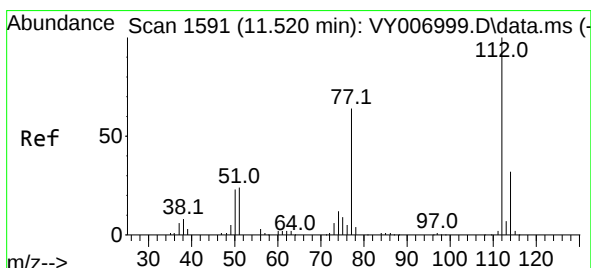
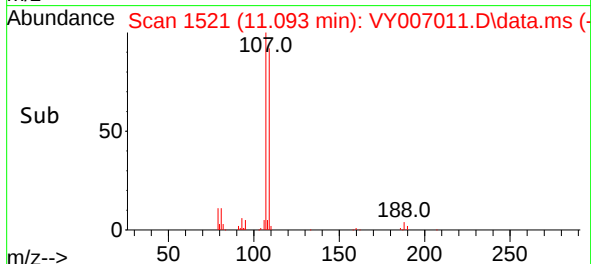
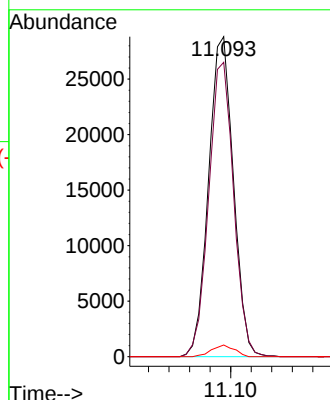
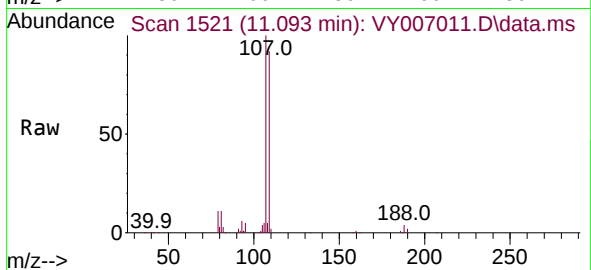
Tgt Ion:107 Resp: 48329

Ion Ratio Lower Upper

107 100

109 92.0 65.5 121.7

188 3.6 2.6 3.8



#51

Chlorobenzene

Concen: 24.034 ug/L

RT: 11.520 min Scan# 1591

Delta R.T. 0.000 min

Lab File: VY007011.D

Acq: 07 Dec 2021 20:56

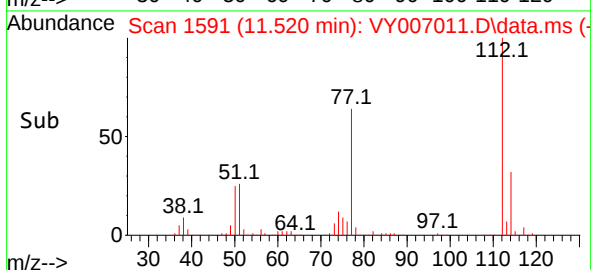
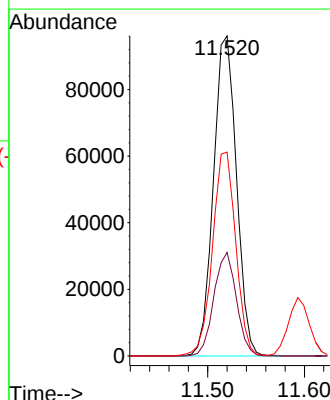
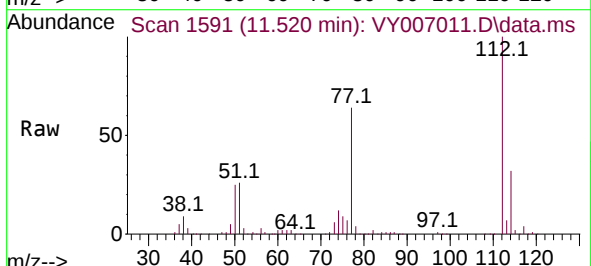
Tgt Ion:112 Resp: 158897

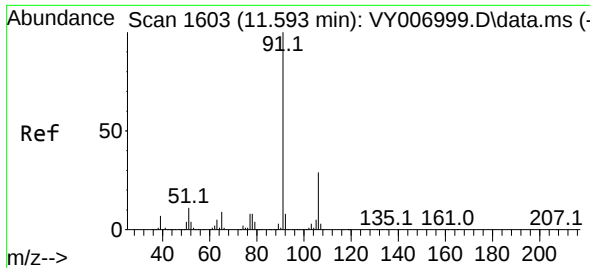
Ion Ratio Lower Upper

112 100

114 32.3 22.3 41.3

77 63.7 49.8 74.8

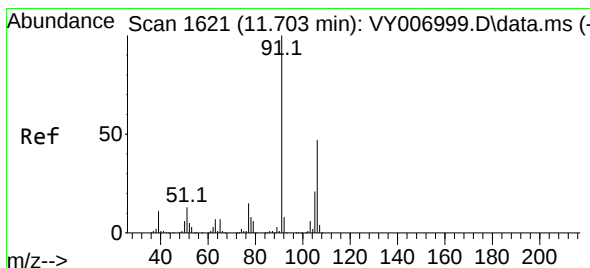
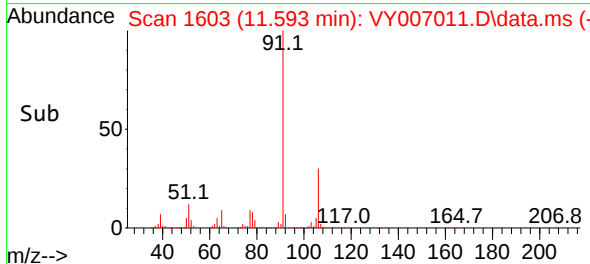
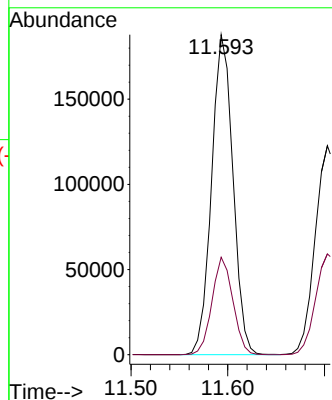
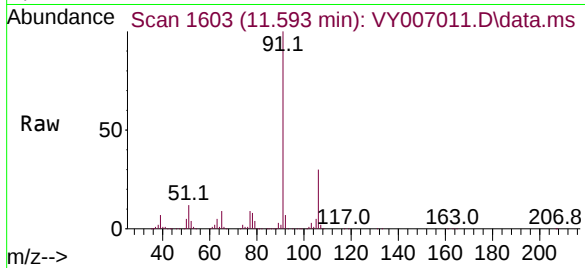




#52
Ethylbenzene
Concen: 23.574 ug/L
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY007011.D
Acq: 07 Dec 2021 20:56

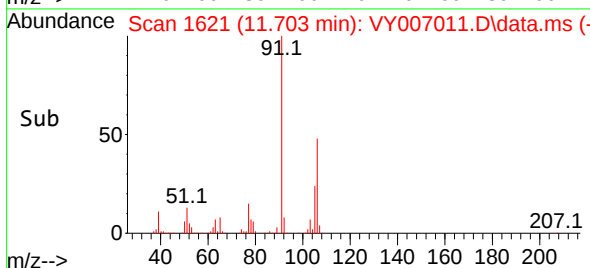
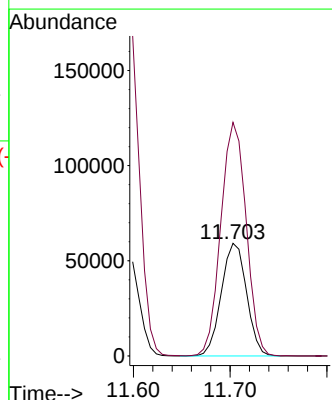
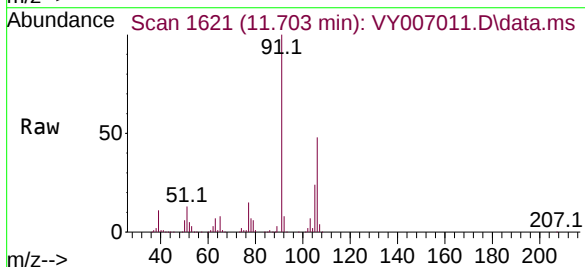
Instrument :
MSVOA_Y
ClientSampleId :

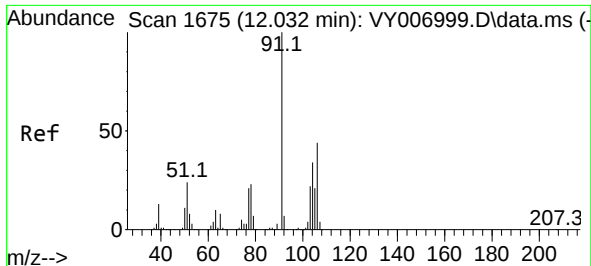
Tgt Ion: 91 Resp: 288818
Ion Ratio Lower Upper
91 100
106 30.5 21.3 39.6



#53
m,p-Xylene
Concen: 23.744 ug/L
RT: 11.703 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VY007011.D
Acq: 07 Dec 2021 20:56

Tgt Ion:106 Resp: 107146
Ion Ratio Lower Upper
106 100
91 207.4 148.8 276.4

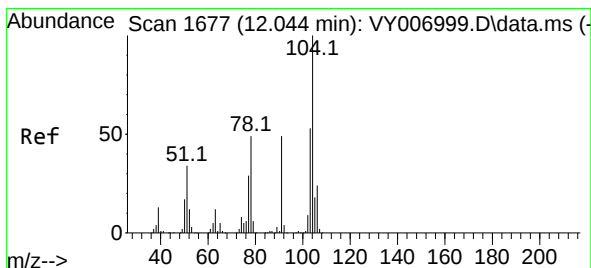
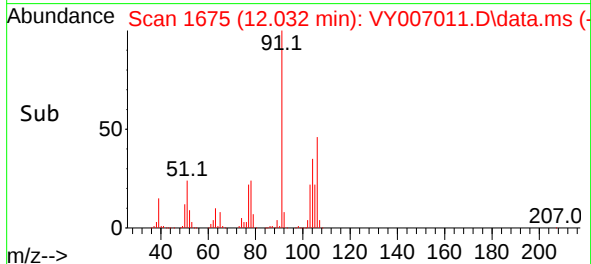
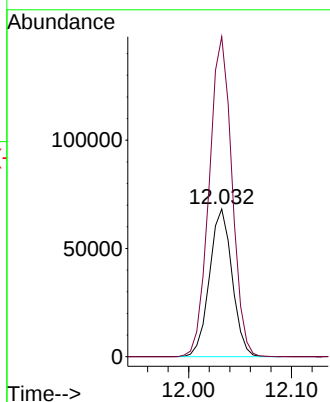
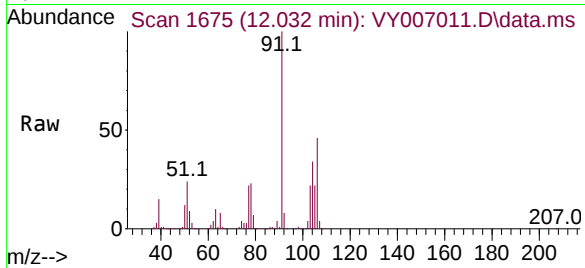




#54
o-Xylene
Concen: 24.415 ug/L
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY007011.D
Acq: 07 Dec 2021 20:56

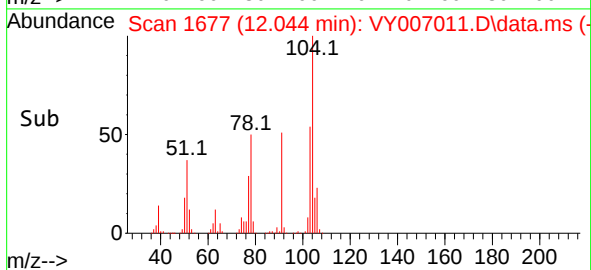
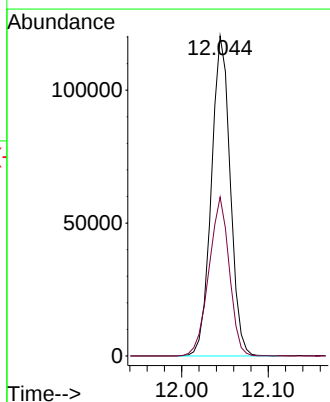
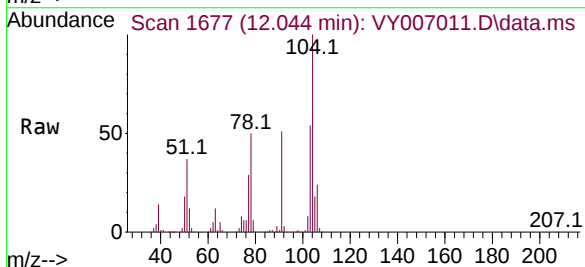
Instrument :
MSVOA_Y
ClientSampleId :

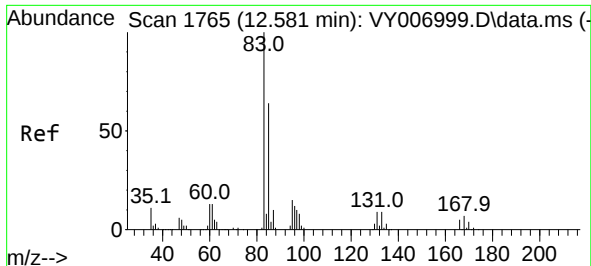
Tgt Ion:106 Resp: 104295
Ion Ratio Lower Upper
106 100
91 216.6 152.0 282.2



#55
Styrene
Concen: 24.238 ug/L
RT: 12.044 min Scan# 1677
Delta R.T. 0.000 min
Lab File: VY007011.D
Acq: 07 Dec 2021 20:56

Tgt Ion:104 Resp: 182479
Ion Ratio Lower Upper
104 100
78 49.6 34.2 63.6





#57

1,1,2,2-Tetrachloroethane

Concen: 28.435 ug/L

RT: 12.581 min Scan# 1765

Delta R.T. 0.000 min

Lab File: VY007011.D

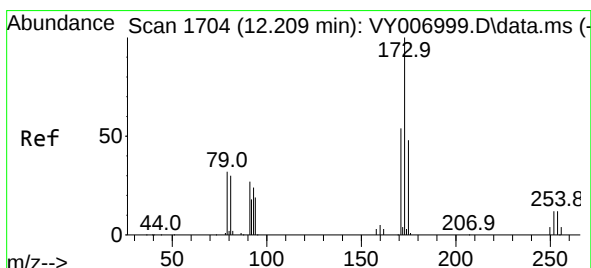
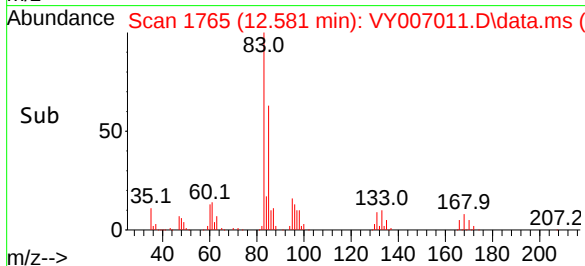
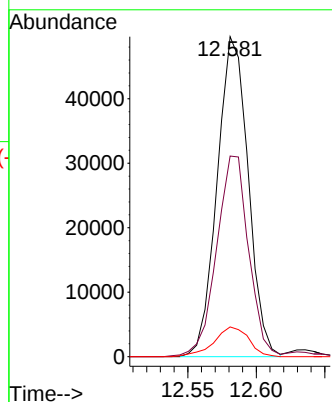
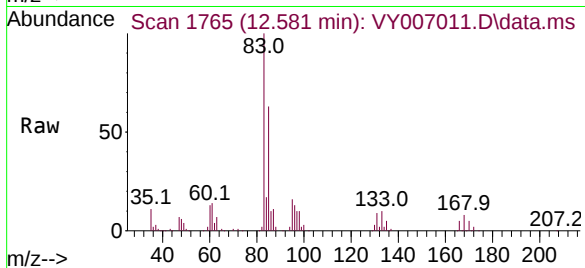
Acq: 07 Dec 2021 20:56

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	83	Resp:	78213
Ion	Ratio	Lower	Upper
83	100		
85	62.7	44.2	82.2
131	9.3	7.4	11.0



#59

Bromoform

Concen: 19.180 ug/L

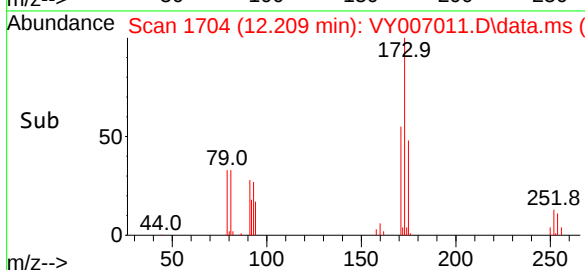
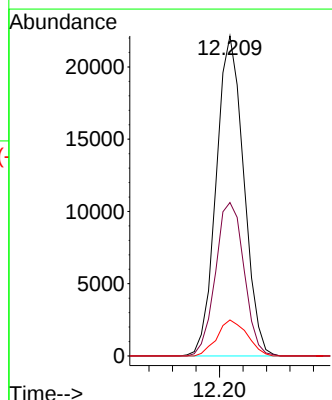
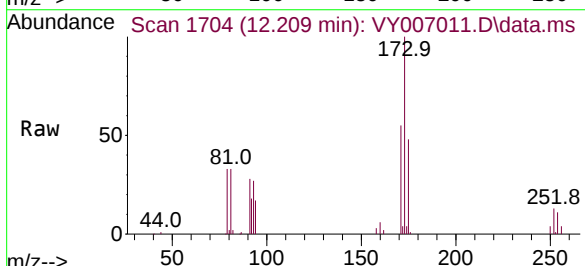
RT: 12.209 min Scan# 1704

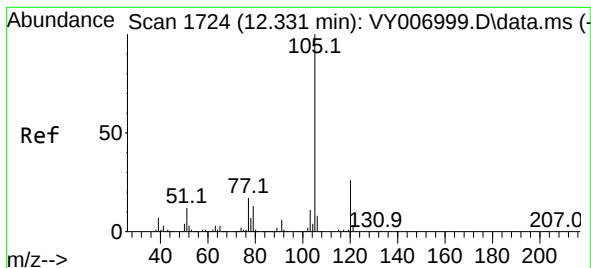
Delta R.T. 0.000 min

Lab File: VY007011.D

Acq: 07 Dec 2021 20:56

Tgt Ion:	173	Resp:	36034
Ion	Ratio	Lower	Upper
173	100		
175	49.7	39.2	58.8
254	12.3	9.3	13.9





#60

Isopropylbenzene

Concen: 19.444 ug/L

RT: 12.331 min Scan# 1724

Delta R.T. 0.000 min

Lab File: VY007011.D

Acq: 07 Dec 2021 20:56

Instrument :

MSVOA_Y

ClientSampleId :

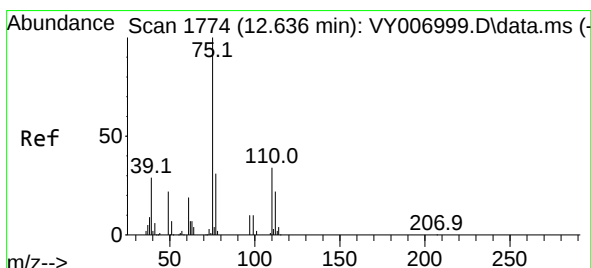
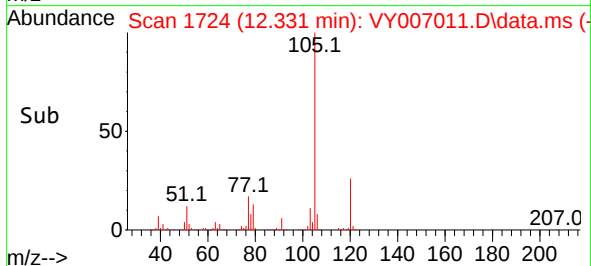
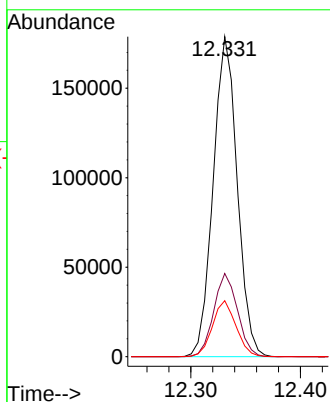
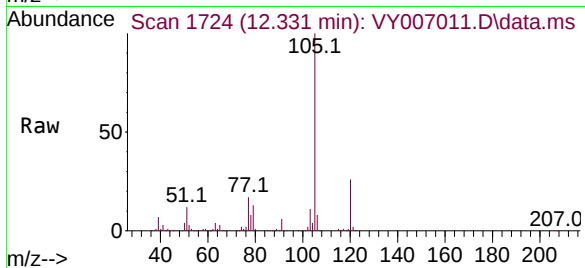
Tgt Ion:105 Resp: 272496

Ion Ratio Lower Upper

105 100

120 25.7 20.7 31.1

77 17.2 13.5 20.3



#61

1,2,3-Trichloropropane

Concen: 22.722 ug/L

RT: 12.636 min Scan# 1774

Delta R.T. 0.000 min

Lab File: VY007011.D

Acq: 07 Dec 2021 20:56

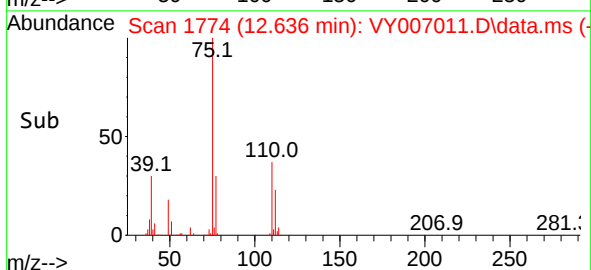
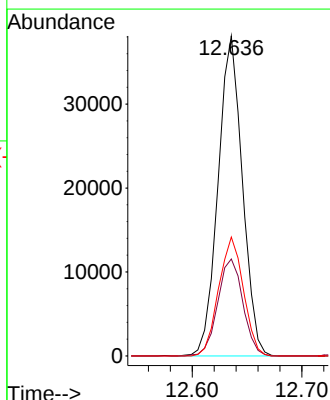
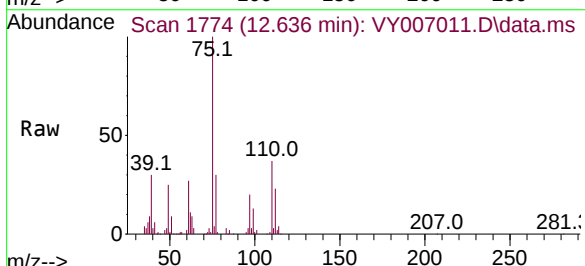
Tgt Ion: 75 Resp: 58780

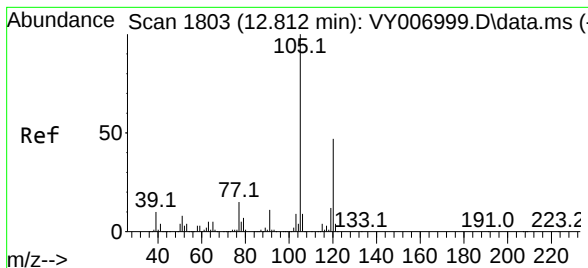
Ion Ratio Lower Upper

75 100

77 31.3 25.3 37.9

110 37.7 28.7 43.1

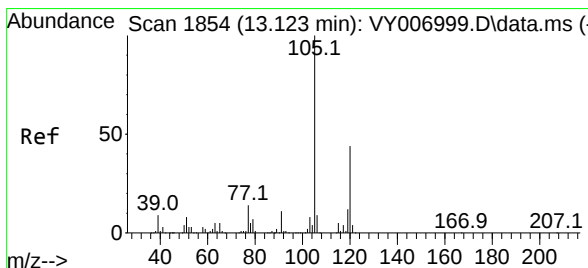
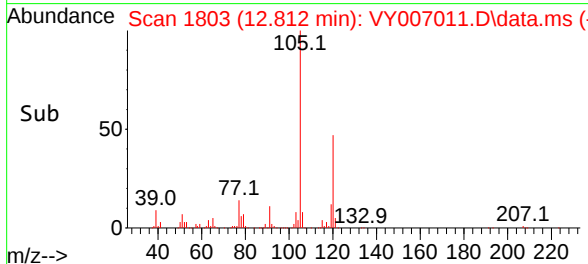
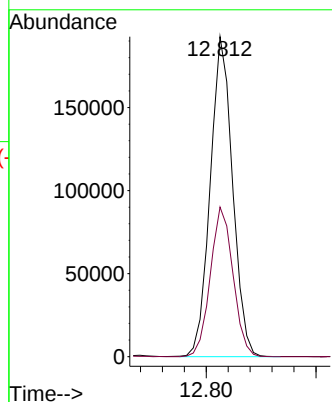
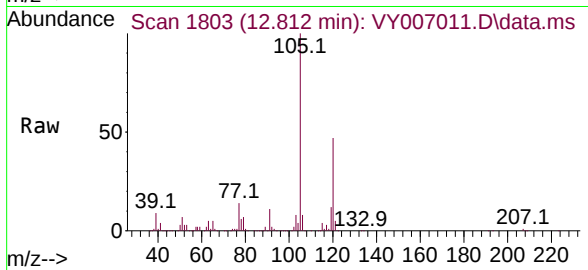




#62
 1,3,5-Trimethylbenzene
 Concen: 24.220 ug/L
 RT: 12.812 min Scan# 1803
 Delta R.T. 0.000 min
 Lab File: VY007011.D
 Acq: 07 Dec 2021 20:56

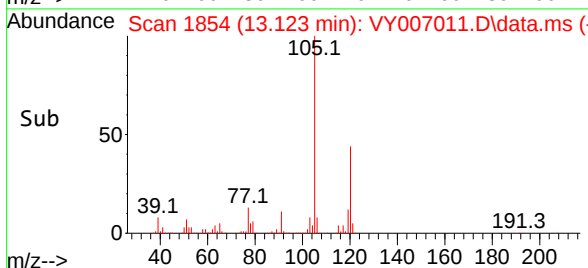
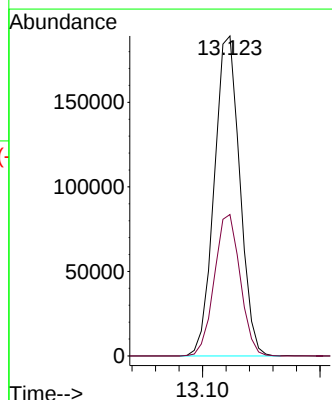
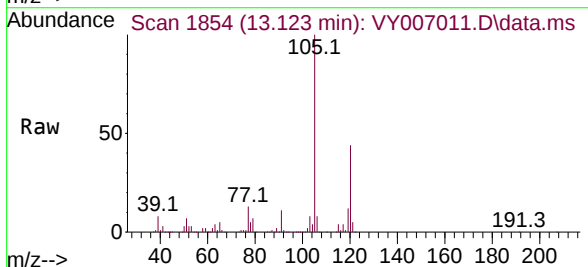
Instrument :
 MSVOA_Y
 ClientSampleId :

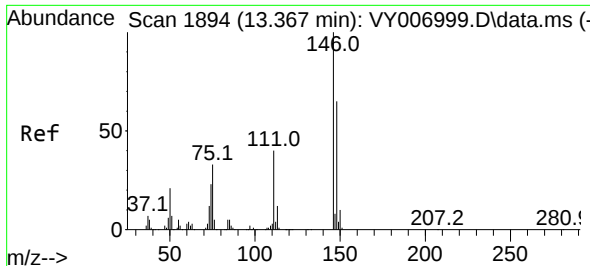
Tgt Ion:105 Resp: 272716
 Ion Ratio Lower Upper
 105 100
 120 47.4 37.4 56.0



#63
 1,2,4-Trimethylbenzene
 Concen: 24.511 ug/L
 RT: 13.123 min Scan# 1854
 Delta R.T. 0.000 min
 Lab File: VY007011.D
 Acq: 07 Dec 2021 20:56

Tgt Ion:105 Resp: 285593
 Ion Ratio Lower Upper
 105 100
 120 44.8 35.4 53.2

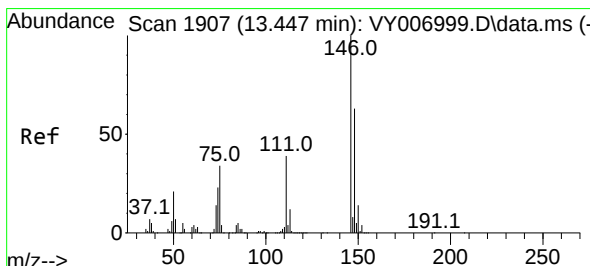
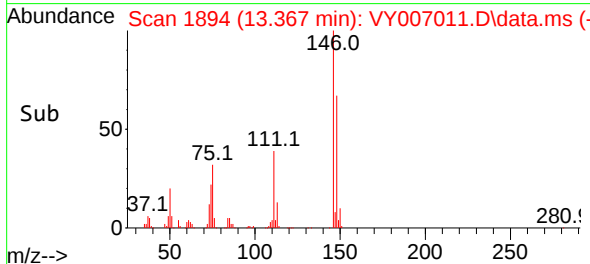
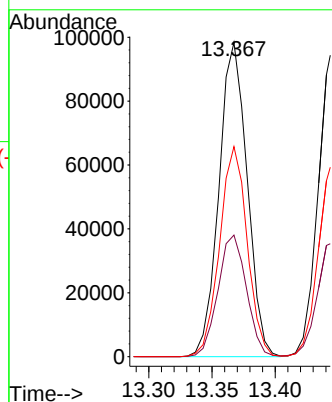
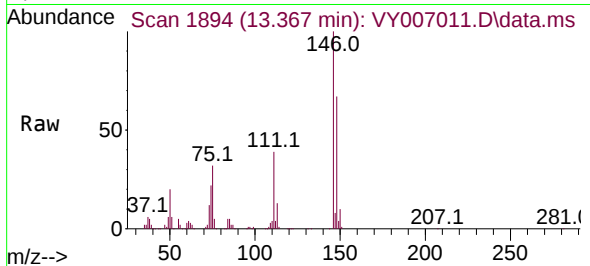




#64
1,3-Dichlorobenzene
Concen: 23.663 ug/L
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY007011.D
Acq: 07 Dec 2021 20:56

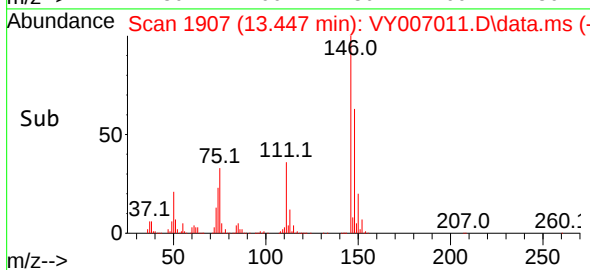
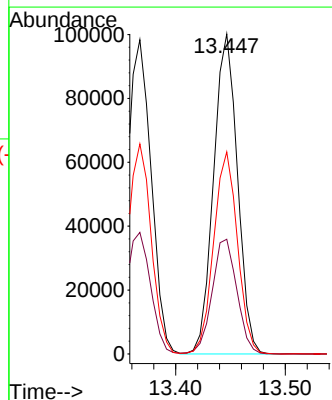
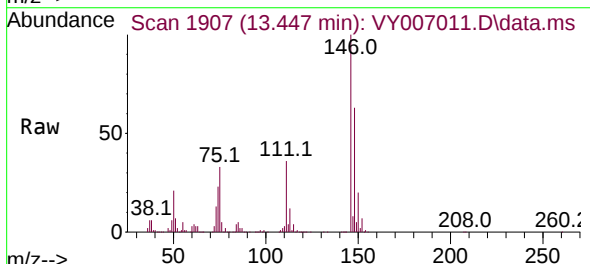
Instrument :
MSVOA_Y
ClientSampleId :

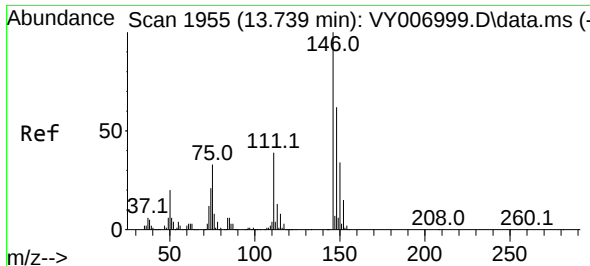
Tgt Ion:146 Resp: 152368
Ion Ratio Lower Upper
146 100
111 38.7 27.2 50.6
148 66.8 45.1 83.7



#65
1,4-Dichlorobenzene
Concen: 23.365 ug/L
RT: 13.447 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY007011.D
Acq: 07 Dec 2021 20:56

Tgt Ion:146 Resp: 151625
Ion Ratio Lower Upper
146 100
111 35.8 24.6 45.6
148 63.2 44.4 82.4

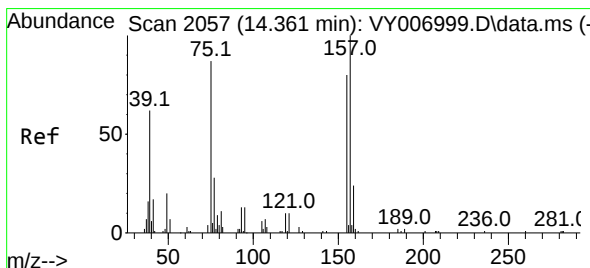
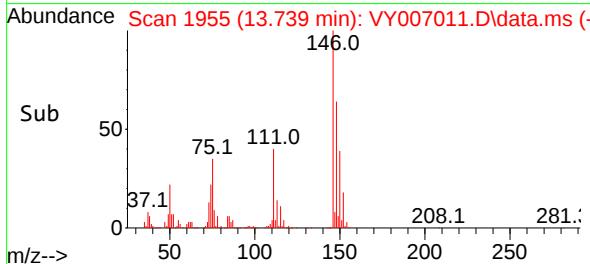
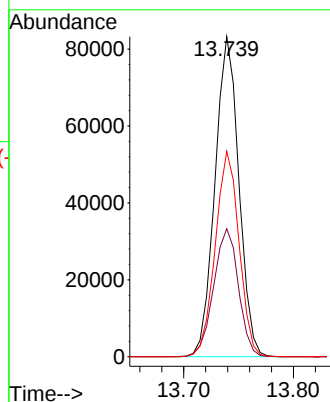
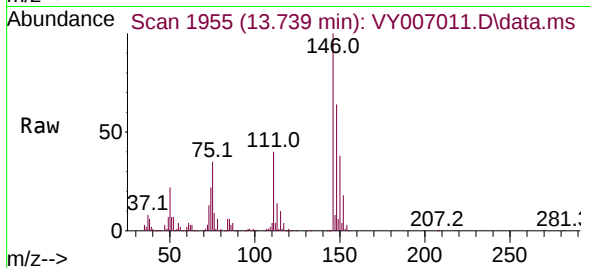




#67
 1,2-Dichlorobenzene
 Concen: 21.613 ug/L
 RT: 13.739 min Scan# 1955
 Delta R.T. 0.000 min
 Lab File: VY007011.D
 Acq: 07 Dec 2021 20:56

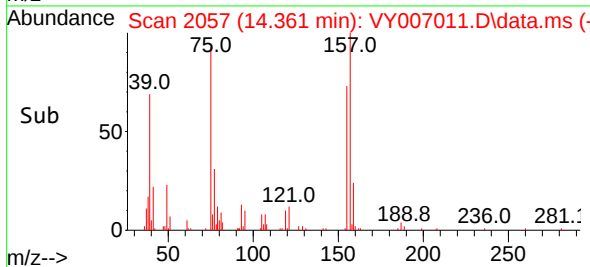
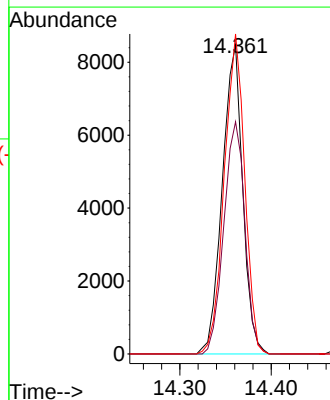
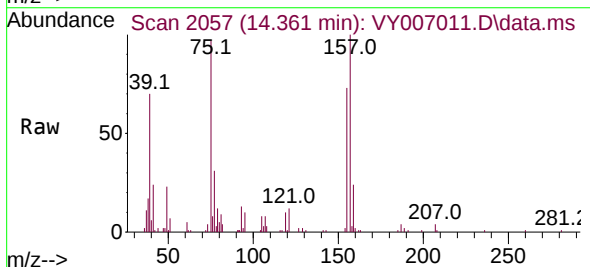
Instrument :
 MSVOA_Y
 ClientSampleId :

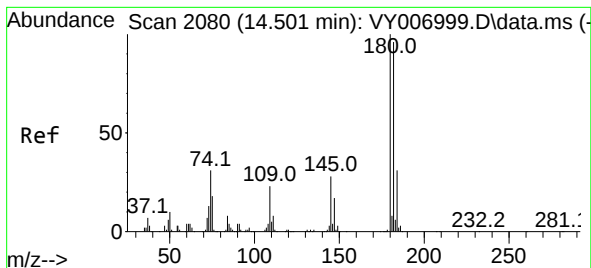
Tgt Ion:146 Resp: 126238
 Ion Ratio Lower Upper
 146 100
 111 40.0 32.8 49.2
 148 64.2 51.7 77.5



#68
 1,2-Dibromo-3-chloropropane
 Concen: 21.187 ug/L
 RT: 14.361 min Scan# 2057
 Delta R.T. 0.000 min
 Lab File: VY007011.D
 Acq: 07 Dec 2021 20:56

Tgt Ion: 75 Resp: 13158
 Ion Ratio Lower Upper
 75 100
 155 75.0 61.0 91.6
 157 103.4 75.4 113.2





#69

1,3,5-Trichlorobenzene

Concen: 21.987 ug/L

RT: 14.501 min Scan# 2080

Delta R.T. 0.000 min

Lab File: VY007011.D

Acq: 07 Dec 2021 20:56

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:180 Resp: 103886

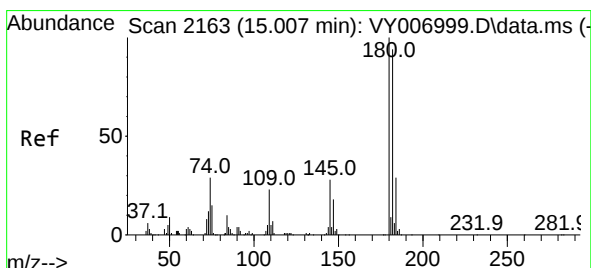
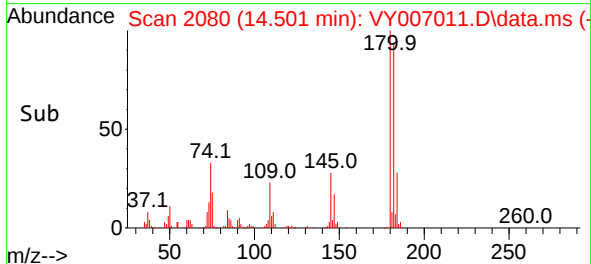
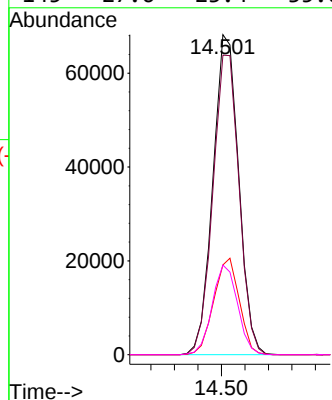
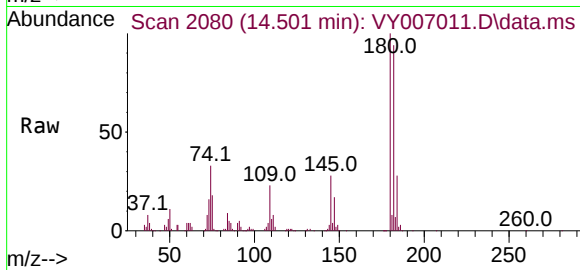
Ion Ratio Lower Upper

180 100

182 95.0 75.5 113.3

184 29.9 24.1 36.1

145 27.6 23.4 35.0



#70

1,2,4-trichlorobenzene

Concen: 22.135 ug/L

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY007011.D

Acq: 07 Dec 2021 20:56

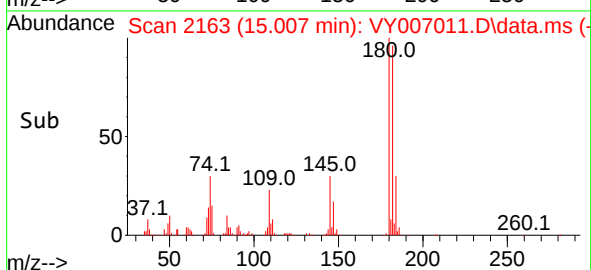
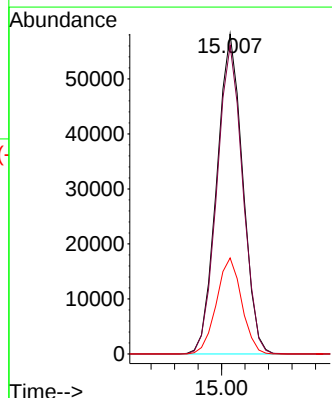
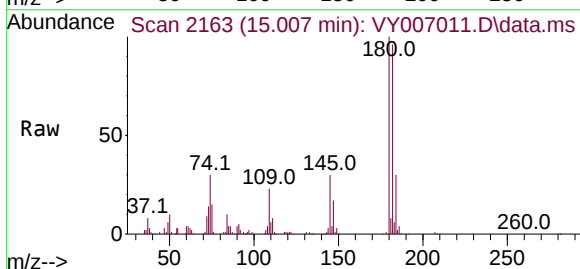
Tgt Ion:180 Resp: 88939

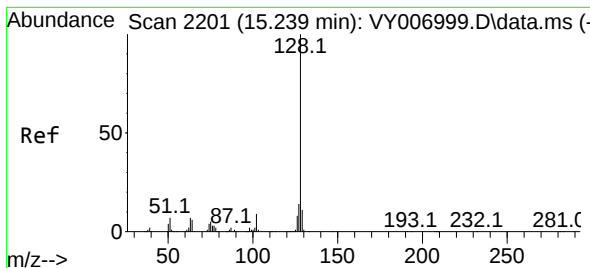
Ion Ratio Lower Upper

180 100

182 96.2 74.6 112.0

145 29.2 22.7 34.1





#71

Naphthalene

Concen: 22.535 ug/L

RT: 15.233 min Scan# 2201

Delta R.T. -0.006 min

Lab File: VY007011.D

Acq: 07 Dec 2021 20:56

Instrument :

MSVOA_Y

ClientSampleId :

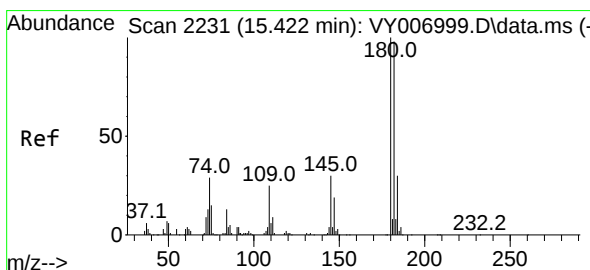
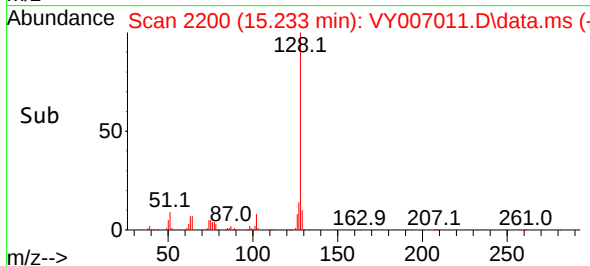
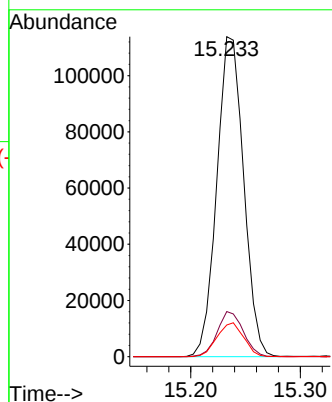
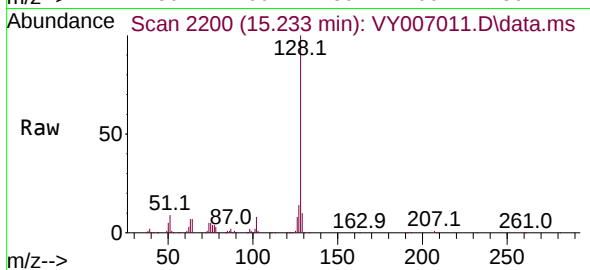
Tgt Ion:128 Resp: 193707

Ion Ratio Lower Upper

128 100

127 13.7 10.7 16.1

129 10.5 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 20.034 ug/L

RT: 15.422 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY007011.D

Acq: 07 Dec 2021 20:56

Tgt Ion:180 Resp: 74899

Ion Ratio Lower Upper

180 100

182 93.8 76.2 114.2

145 30.3 23.7 35.5

