

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120721\
 Data File : VY007004.D
 Acq On : 07 Dec 2021 18:22
 Operator : SY/MD
 Sample : M4887-18MSD
 Misc : 5.87g/10.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EX8D0MSD

Quant Time: Dec 08 02:58:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYLEM120721SMA.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	8.691	114	140061	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.489	117	132688	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	80951	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.253	65	37746	11.988	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	47.960%
7) Chloroethane-d5	2.771	69	32289	13.412	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	53.640%
11) 1,1-Dichloroethene-d2	3.856	63	75057	15.447	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.800%
21) 2-Butanone-d5	6.892	46	36986	40.552	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.100%
24) Chloroform-d	7.484	84	77755	17.509	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	70.040%
26) 1,2-Dichloroethane-d4	8.148	65	46894	17.640	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	70.560%
32) Benzene-d6	8.112	84	131293	15.137	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	60.560%
36) 1,2-Dichloropropane-d6	9.124	67	50972	17.429	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	69.720%#
41) Toluene-d8	10.184	98	115744	14.457	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	57.840%
43) trans-1,3-Dichloroprop...	10.441	79	24344	17.985	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	71.960%
47) 2-Hexanone-d5	10.788	63	26561	39.518	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.040%
56) 1,1,2,2-Tetrachloroeth...	12.556	84	54693	21.849	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.400%
66) 1,2-Dichlorobenzene-d4	13.720	152	55202	17.737	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	70.960%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	23766	24.970	ug/L	98
3) Chloromethane	2.113	50	55201	23.342	ug/L	100
5) Vinyl chloride	2.259	62	88984	23.551	ug/L	96
6) Bromomethane	2.668	94	52177	23.537	ug/L	94
8) Chloroethane	2.802	64	54321	24.731	ug/L	98
9) Trichlorofluoromethane	3.131	101	59226	24.635	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	3.905	101	47899	23.473	ug/L	94
12) 1,1-Dichloroethene	3.875	96	50105	23.991	ug/L #	75
13) Acetone	3.948	43	35131	44.593	ug/L	99
14) Carbon disulfide	4.198	76	162013	24.198	ug/L	97
15) Methyl Acetate	4.478	43	39922	24.242	ug/L #	65
16) Methylene chloride	4.716	84	65197	22.347	ug/L	97
17) trans-1,2-Dichloroethene	5.222	96	54238	24.953	ug/L	99
18) Methyl tert-butyl Ether	5.222	73	111231	26.146	ug/L	99
19) 1,1-Dichloroethane	6.021	63	116478	25.395	ug/L	96
20) cis-1,2-Dichloroethene	6.990	96	61748	25.763	ug/L	95
22) 2-Butanone	6.990	43	51121	46.089	ug/L	100
23) Bromochloromethane	7.337	128	26345	25.128	ug/L	90
25) Chloroform	7.508	83	110922	25.192	ug/L	99

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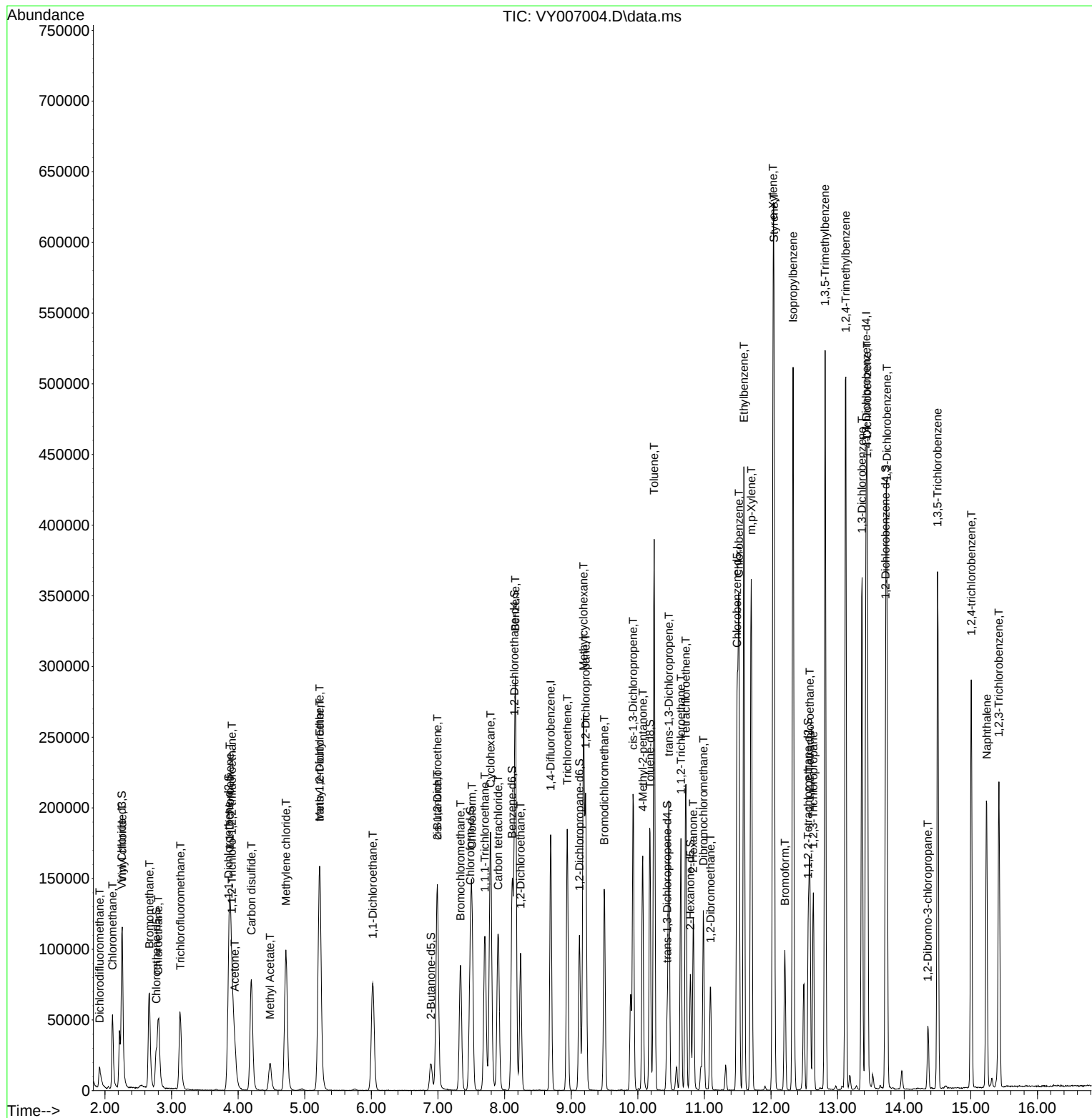
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.240	62	83544	26.606	ug/L	100
29) Cyclohexane	7.789	56	103199	24.951	ug/L	98
30) 1,1,1-Trichloroethane	7.703	97	88589	24.386	ug/L	98
31) Carbon tetrachloride	7.904	117	78964	23.894	ug/L	98
33) Benzene	8.160	78	245419	24.937	ug/L	100
34) Trichloroethene	8.941	95	60069	25.264	ug/L	98
35) Methylcyclohexane	9.185	83	98627	23.748	ug/L	99
37) 1,2-Dichloropropane	9.215	63	71076	26.144	ug/L	100
38) Bromodichloromethane	9.496	83	87870	26.052	ug/L	96
39) cis-1,3-Dichloropropene	9.928	75	106077	25.823	ug/L	100
40) 4-Methyl-2-pentanone	10.075	43	116930	48.460	ug/L	99
42) Toluene	10.245	91	259247	24.942	ug/L	96
44) trans-1,3-Dichloropropene	10.465	75	98297	25.817	ug/L	99
45) 1,1,2-Trichloroethane	10.648	97	48419	25.108	ug/L	97
46) Tetrachloroethene	10.721	164	44038	24.115	ug/L	96
48) 2-Hexanone	10.831	43	80491	48.859	ug/L	99
49) Dibromochloromethane	10.983	129	55776	25.284	ug/L	93
50) 1,2-Dibromoethane	11.093	107	45322	25.076	ug/L	96
51) Chlorobenzene	11.520	112	157677	25.602	ug/L	98
52) Ethylbenzene	11.593	91	281703	24.683	ug/L	98
53) m,p-Xylene	11.702	106	103831	24.700	ug/L	99
54) o-Xylene	12.032	106	100528	25.263	ug/L	99
55) Styrene	12.044	104	177084	25.249	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.580	83	68773	26.840	ug/L	97
59) Bromoform	12.208	173	40385	24.301	ug/L	99
60) Isopropylbenzene	12.330	105	302257	24.382	ug/L	99
61) 1,2,3-Trichloropropane	12.635	75	52146	22.788	ug/L	98
62) 1,3,5-Trimethylbenzene	12.812	105	252629	25.364	ug/L	99
63) 1,2,4-Trimethylbenzene	13.123	105	261573	25.379	ug/L	98
64) 1,3-Dichlorobenzene	13.367	146	136142	23.902	ug/L	99
65) 1,4-Dichlorobenzene	13.446	146	140795	24.527	ug/L	98
67) 1,2-Dichlorobenzene	13.739	146	122734	23.755	ug/L	100
68) 1,2-Dibromo-3-chloropr...	14.354	75	10767	19.600	ug/L	97
69) 1,3,5-Trichlorobenzene	14.501	180	106559	25.496	ug/L	99
70) 1,2,4-trichlorobenzene	15.007	180	85920	24.174	ug/L	99
71) Naphthalene	15.238	128	158700	20.872	ug/L	99
72) 1,2,3-Trichlorobenzene	15.421	180	68058	20.580	ug/L	98

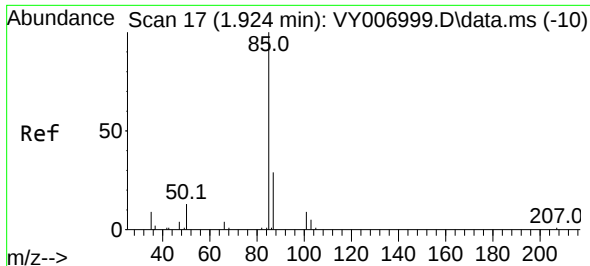
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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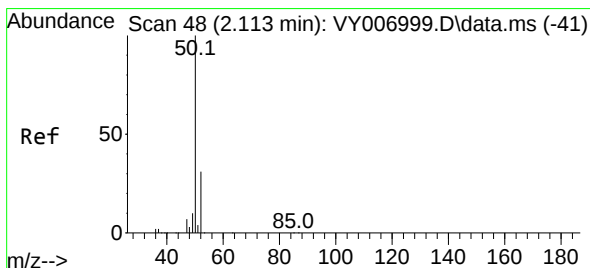
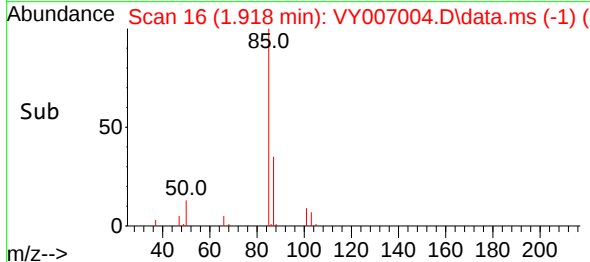
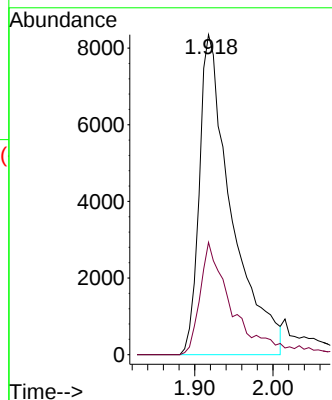
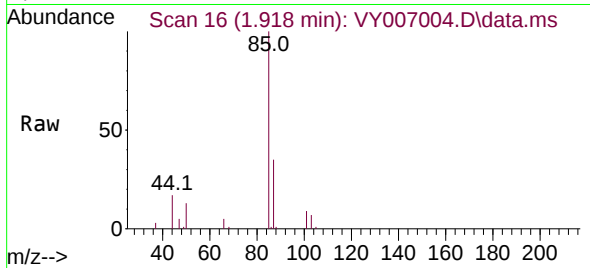




#2
 Dichlorodifluoromethane
 Concen: 24.970 ug/L
 RT: 1.918 min Scan# 16
 Delta R.T. -0.007 min
 Lab File: VY007004.D
 Acq: 07 Dec 2021 18:22

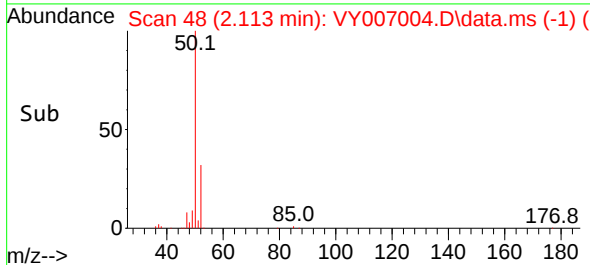
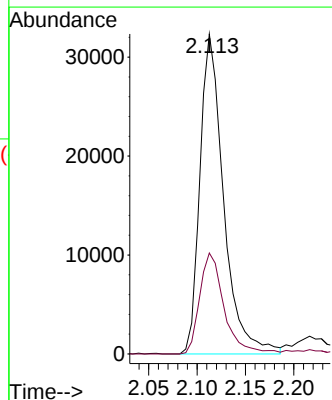
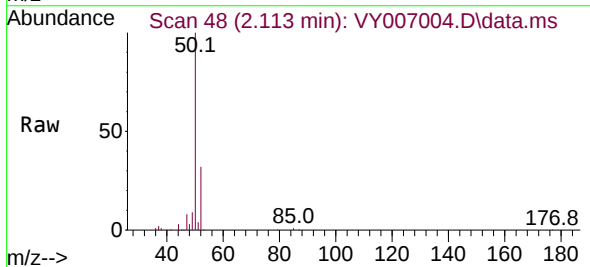
Instrument :
 MSVOA_Y
 ClientSampleId :
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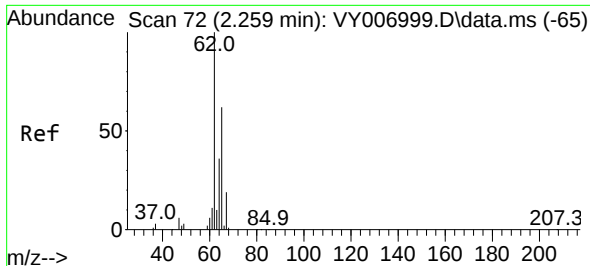
Tgt Ion: 85 Resp: 23766
 Ion Ratio Lower Upper
 85 100
 87 25.6 21.2 31.8



#3
 Chloromethane
 Concen: 23.342 ug/L
 RT: 2.113 min Scan# 48
 Delta R.T. -0.000 min
 Lab File: VY007004.D
 Acq: 07 Dec 2021 18:22

Tgt Ion: 50 Resp: 55201
 Ion Ratio Lower Upper
 50 100
 52 31.6 22.0 41.0

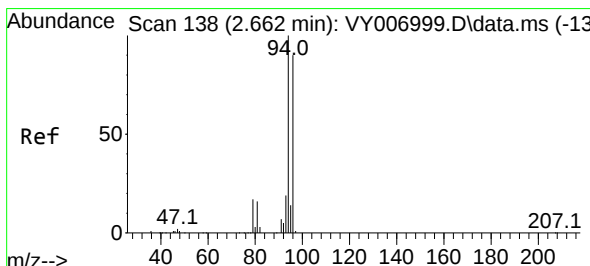
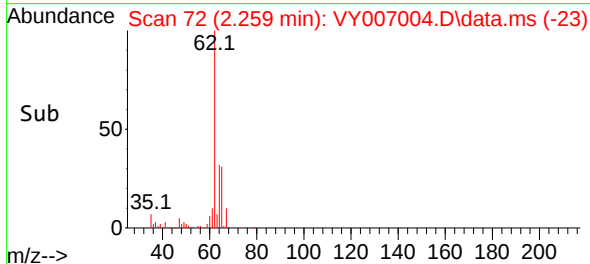
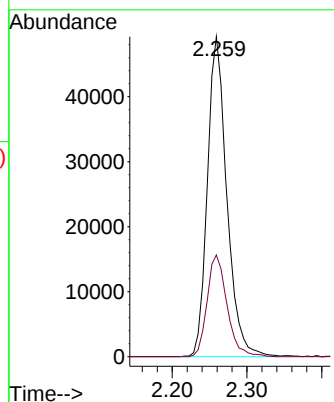
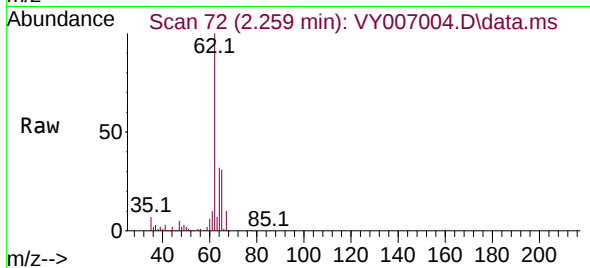




#5
 Vinyl chloride
 Concen: 23.551 ug/L
 RT: 2.259 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VY007004.D
 Acq: 07 Dec 2021 18:22

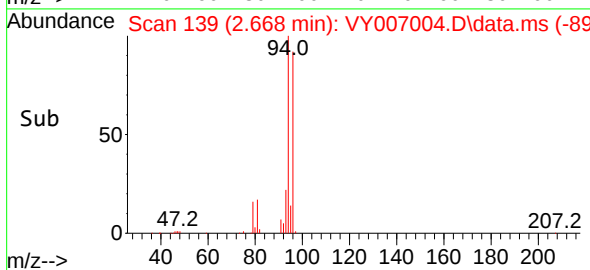
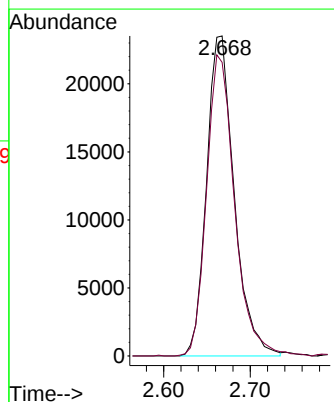
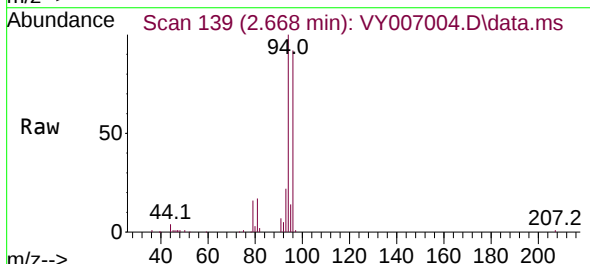
Instrument :
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 ClientSampleId :
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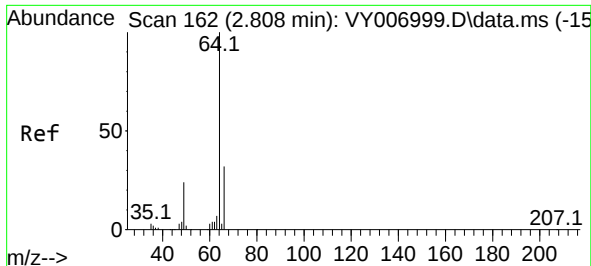
Tgt Ion: 62 Resp: 88984
 Ion Ratio Lower Upper
 62 100
 64 31.8 23.8 44.2



#6
 Bromomethane
 Concen: 23.537 ug/L
 RT: 2.668 min Scan# 139
 Delta R.T. 0.006 min
 Lab File: VY007004.D
 Acq: 07 Dec 2021 18:22

Tgt Ion: 94 Resp: 52177
 Ion Ratio Lower Upper
 94 100
 96 91.7 68.0 126.4

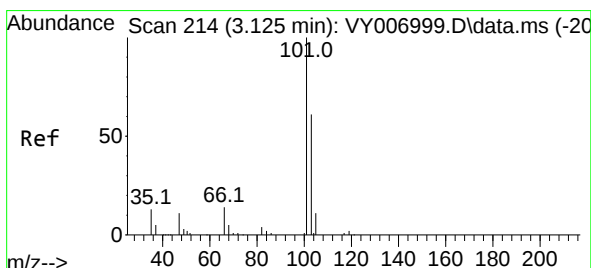
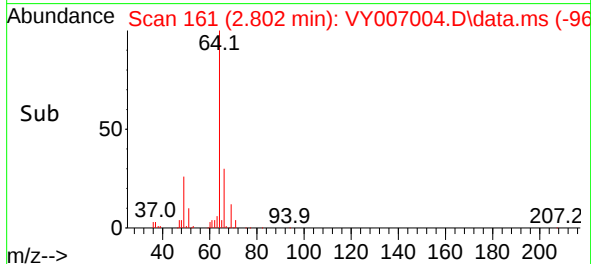
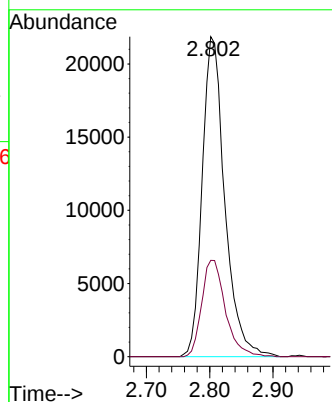
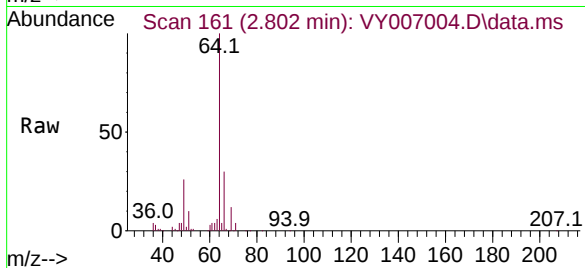




#8
Chloroethane
Concen: 24.731 ug/L
RT: 2.802 min Scan# 1
Delta R.T. -0.007 min
Lab File: VY007004.D
Acq: 07 Dec 2021 18:22

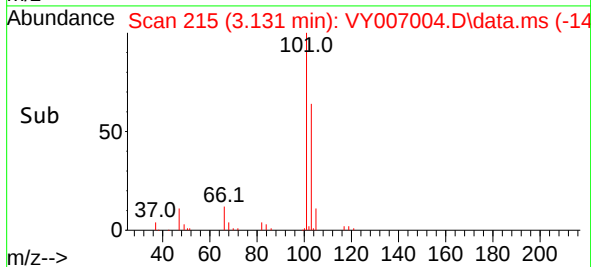
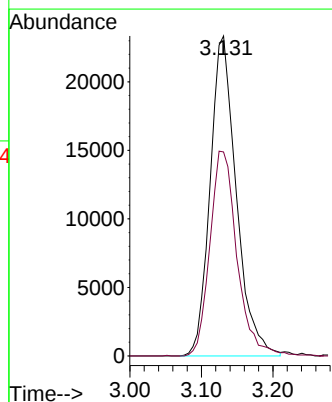
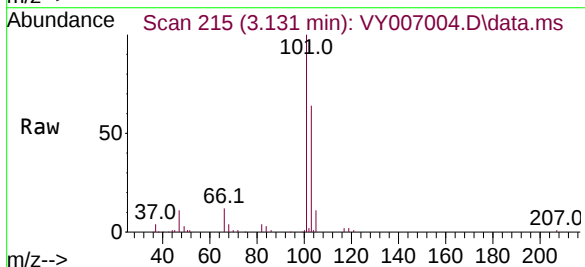
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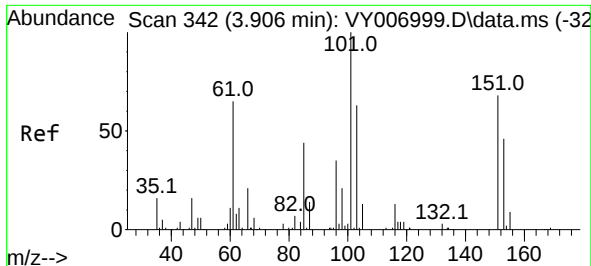
Tgt Ion: 64 Resp: 54321
Ion Ratio Lower Upper
64 100
66 30.1 21.8 40.4



#9
Trichlorofluoromethane
Concen: 24.635 ug/L
RT: 3.131 min Scan# 215
Delta R.T. 0.006 min
Lab File: VY007004.D
Acq: 07 Dec 2021 18:22

Tgt Ion:101 Resp: 59226
Ion Ratio Lower Upper
101 100
103 66.3 51.1 76.7

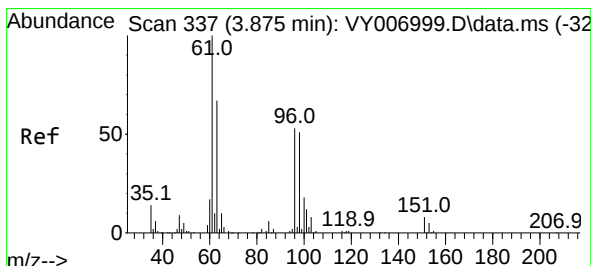
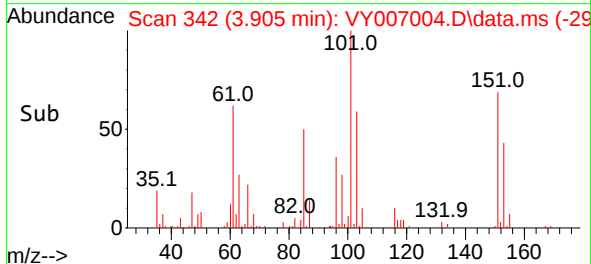
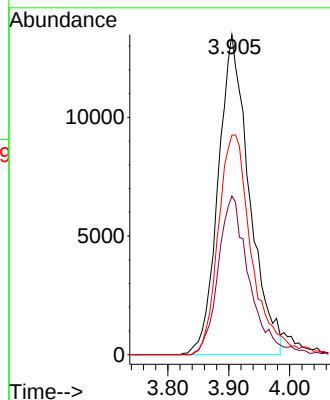
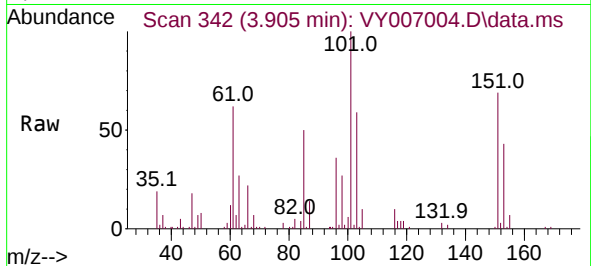




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 23.473 ug/L
 RT: 3.905 min Scan# 342
 Delta R.T. -0.000 min
 Lab File: VY007004.D
 Acq: 07 Dec 2021 18:22

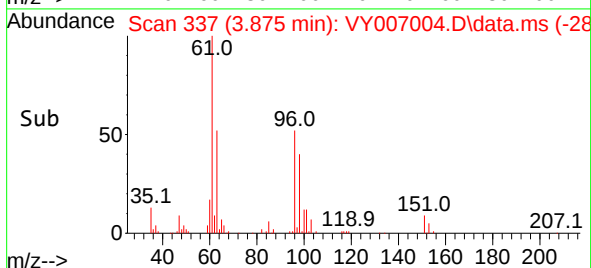
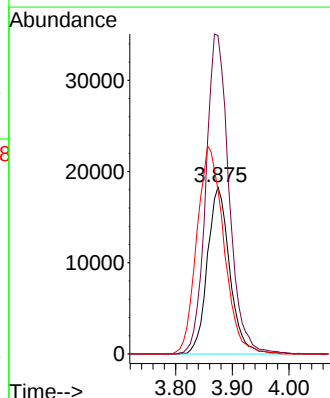
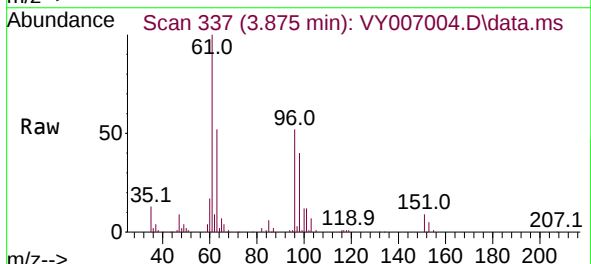
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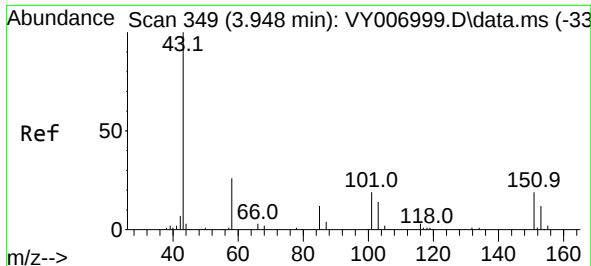
Tgt Ion:101 Resp: 47899
 Ion Ratio Lower Upper
 101 100
 85 48.6 34.6 52.0
 151 72.9 55.0 82.4



#12
 1,1-Dichloroethene
 Concen: 23.991 ug/L
 RT: 3.875 min Scan# 337
 Delta R.T. -0.000 min
 Lab File: VY007004.D
 Acq: 07 Dec 2021 18:22

Tgt Ion: 96 Resp: 50105
 Ion Ratio Lower Upper
 96 100
 61 190.8 142.0 263.8
 63 98.3 110.9 205.9#





#13

Acetone

Concen: 44.593 ug/L

RT: 3.948 min Scan# 349

Delta R.T. -0.000 min

Lab File: VY007004.D

Acq: 07 Dec 2021 18:22

Instrument :

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ClientSampleId :

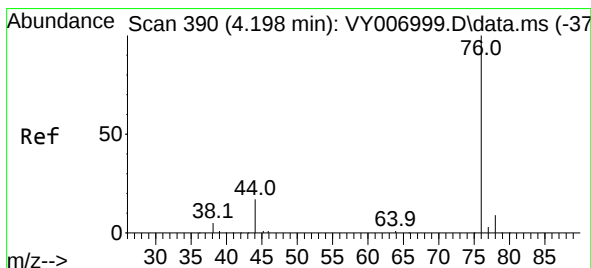
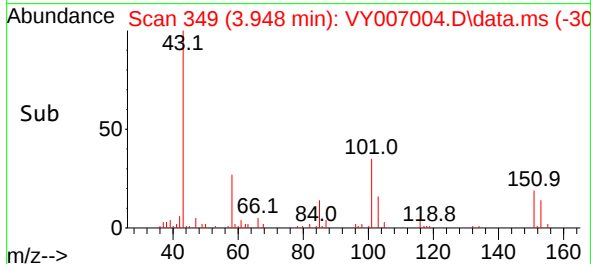
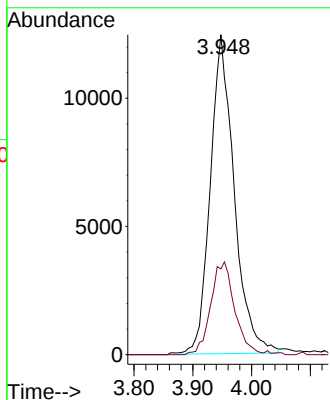
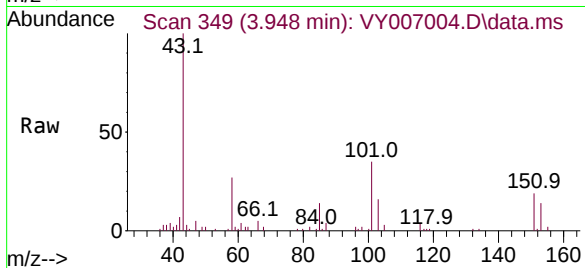
EX8D0MSD

Tgt Ion: 43 Resp: 35131

Ion Ratio Lower Upper

43 100

58 27.7 0.0 56.4



#14

Carbon disulfide

Concen: 24.198 ug/L

RT: 4.198 min Scan# 390

Delta R.T. -0.000 min

Lab File: VY007004.D

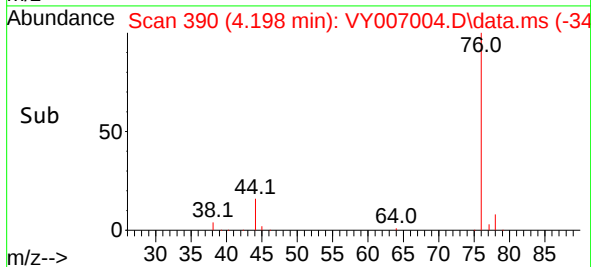
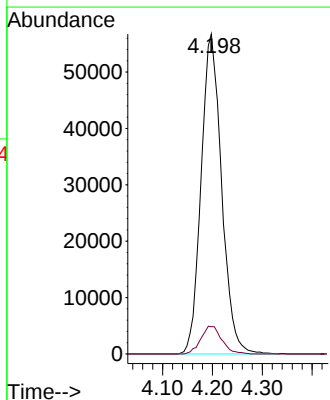
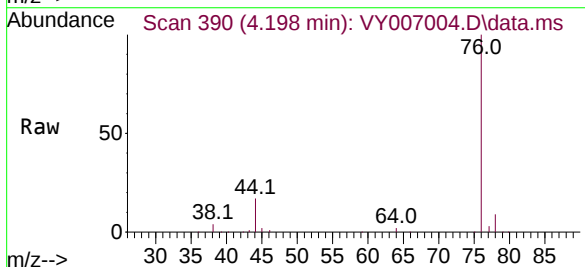
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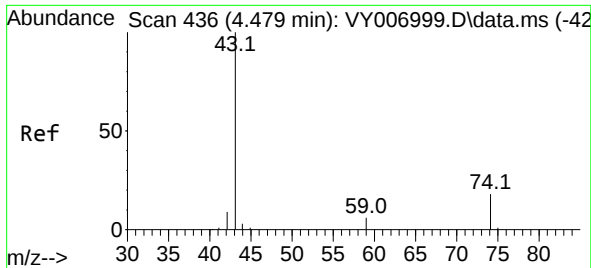
Tgt Ion: 76 Resp: 162013

Ion Ratio Lower Upper

76 100

78 8.5 7.8 11.8

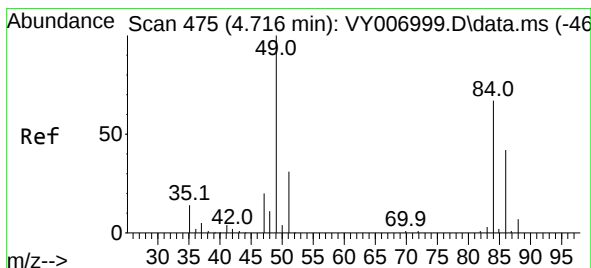
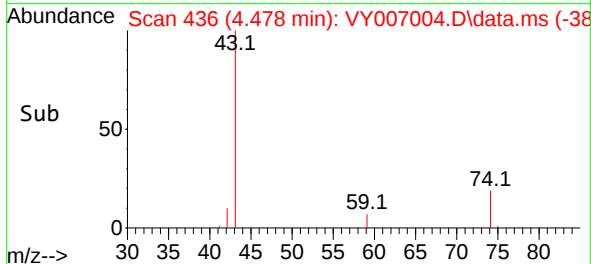
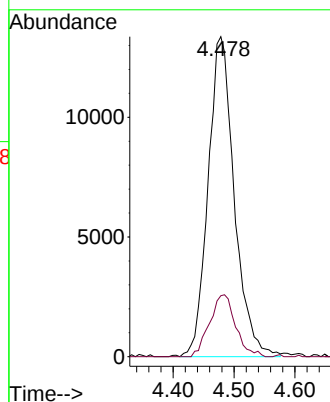
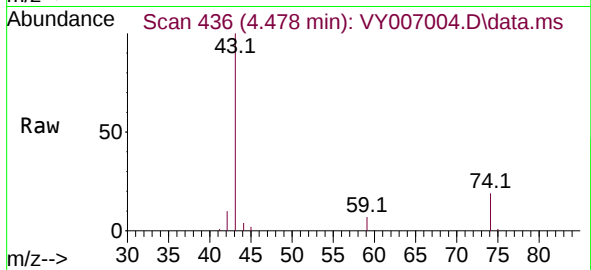




#15
Methyl Acetate
Concen: 24.242 ug/L
RT: 4.478 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY007004.D
Acq: 07 Dec 2021 18:22

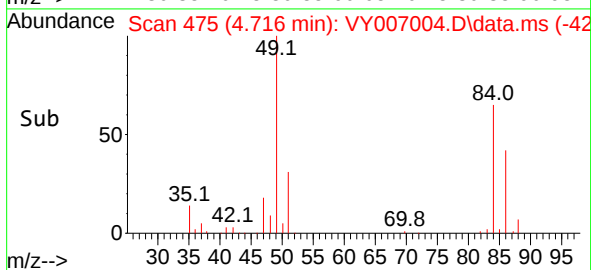
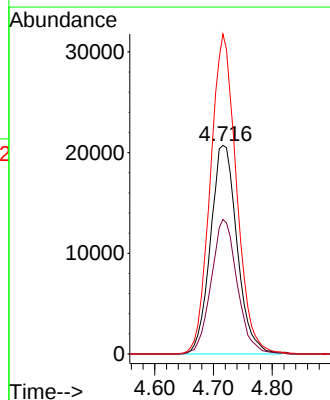
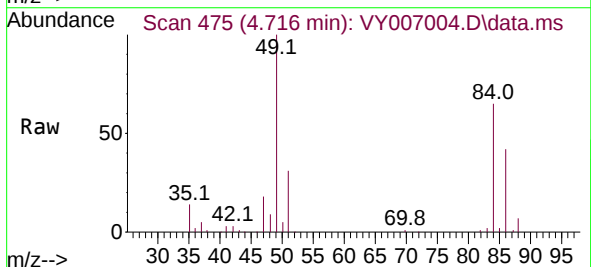
Instrument :
MSVOA_Y
ClientSampleId :
EX8D0MSD

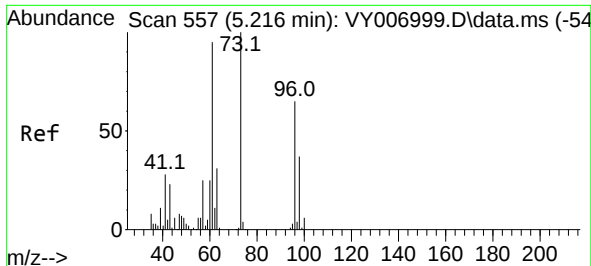
Tgt Ion: 43 Resp: 39922
Ion Ratio Lower Upper
43 100
74 19.2 5.6 8.4#



#16
Methylene chloride
Concen: 22.347 ug/L
RT: 4.716 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY007004.D
Acq: 07 Dec 2021 18:22

Tgt Ion: 84 Resp: 65197
Ion Ratio Lower Upper
84 100
86 64.5 43.0 79.8
49 153.4 105.3 195.6





#17

trans-1,2-Dichloroethene

Concen: 24.953 ug/L

RT: 5.222 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY007004.D

Acq: 07 Dec 2021 18:22

Instrument :

MSVOA_Y

ClientSampleId :

EX8D0MSD

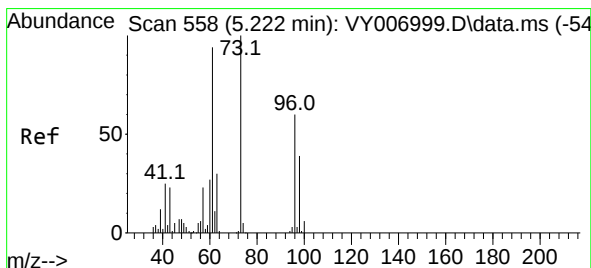
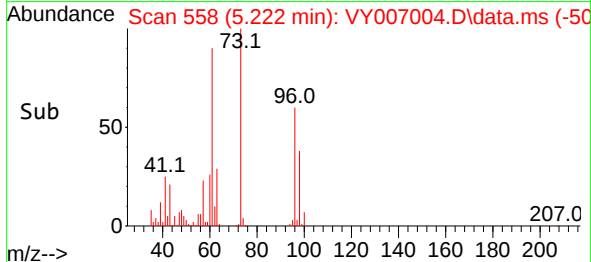
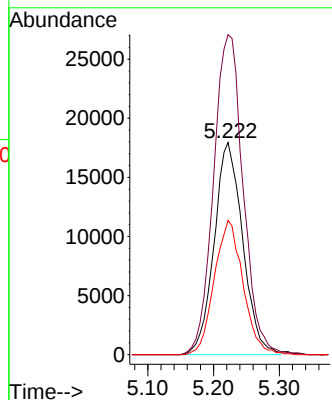
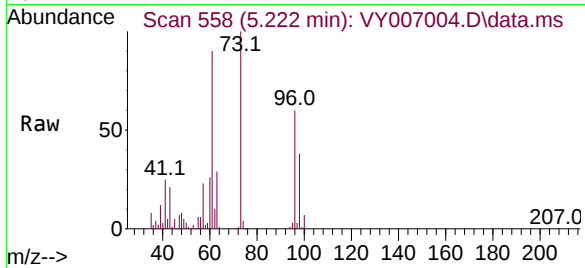
Tgt Ion: 96 Resp: 54238

Ion Ratio Lower Upper

96 100

61 150.9 106.5 197.9

98 63.3 44.7 82.9



#18

Methyl tert-butyl Ether

Concen: 26.146 ug/L

RT: 5.222 min Scan# 558

Delta R.T. -0.000 min

Lab File: VY007004.D

Acq: 07 Dec 2021 18:22

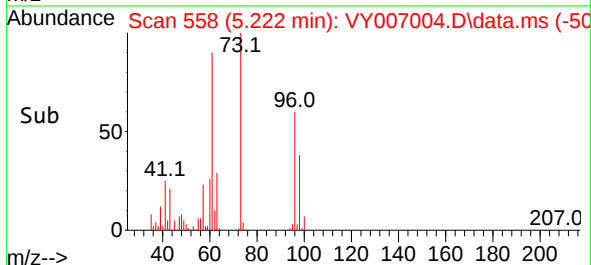
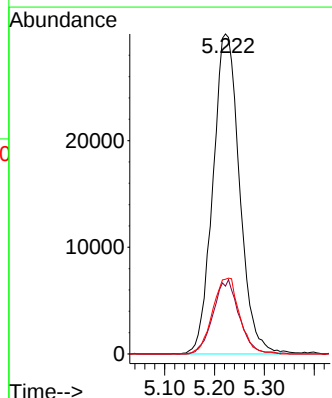
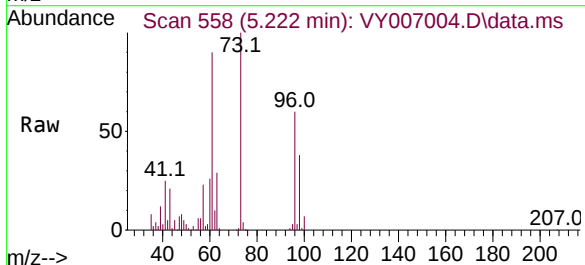
Tgt Ion: 73 Resp: 111231

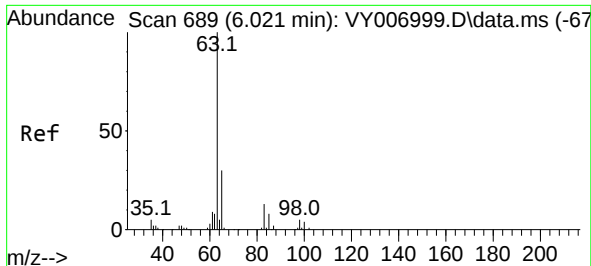
Ion Ratio Lower Upper

73 100

43 22.4 17.7 26.5

57 23.9 19.4 29.2





#19

1,1-Dichloroethane

Concen: 25.395 ug/L

RT: 6.021 min Scan# 61

Delta R.T. -0.000 min

Lab File: VY007004.D

Acq: 07 Dec 2021 18:22

Instrument :

MSVOA_Y

ClientSampleId :

EX8D0MSD

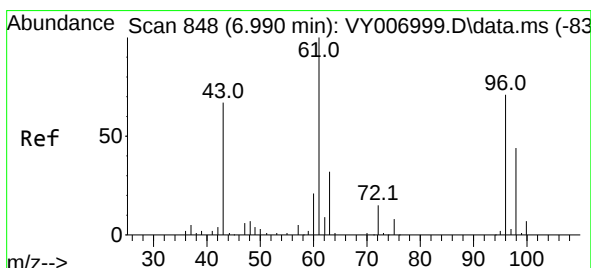
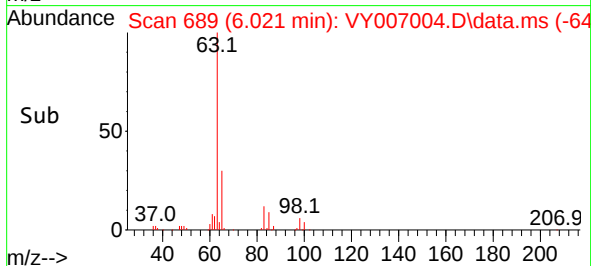
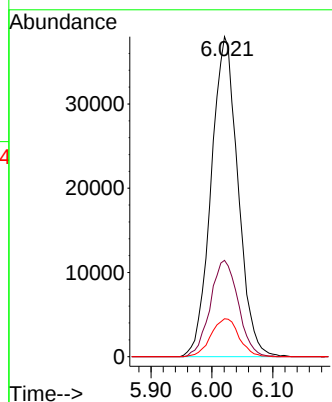
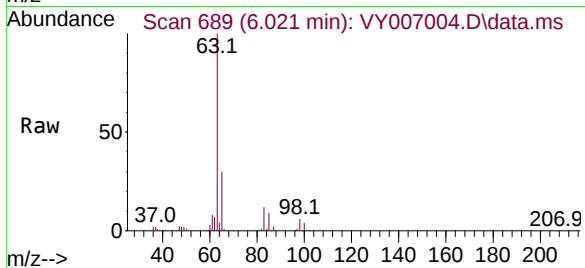
Tgt Ion: 63 Resp: 116478

Ion Ratio Lower Upper

63 100

65 30.1 22.7 42.1

83 11.8 9.1 16.9



#20

cis-1,2-Dichloroethene

Concen: 25.763 ug/L

RT: 6.990 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY007004.D

Acq: 07 Dec 2021 18:22

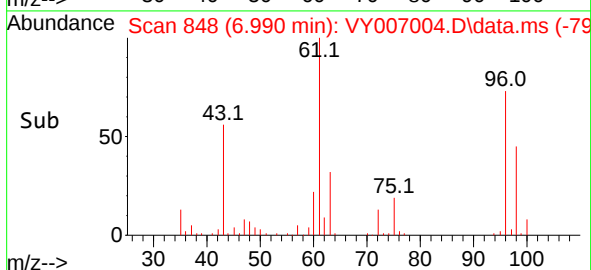
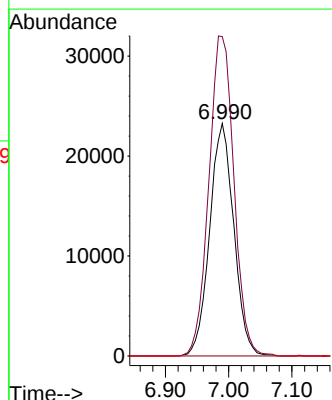
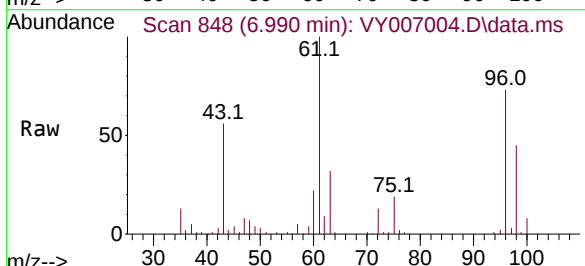
Tgt Ion: 96 Resp: 61748

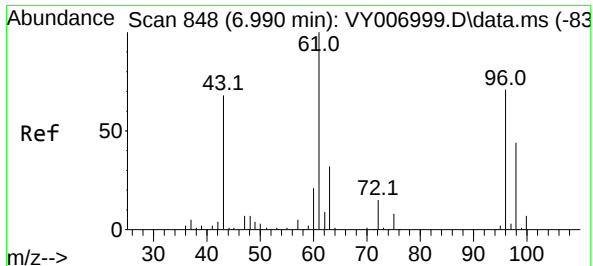
Ion Ratio Lower Upper

96 100

61 137.3 100.2 186.0

68 0.0 0.0 0.0

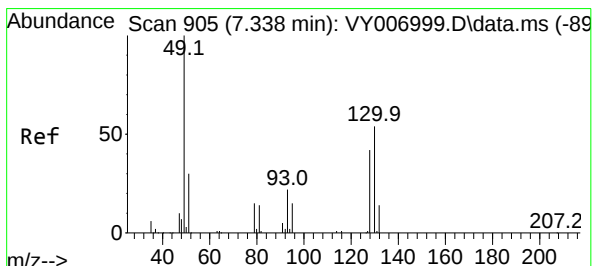
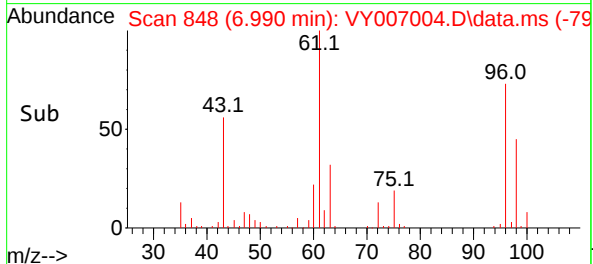
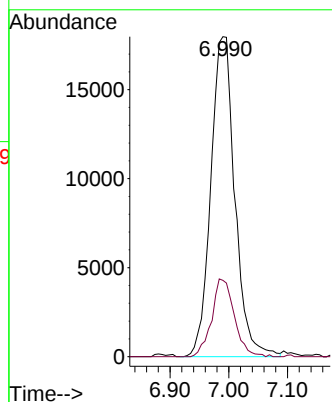
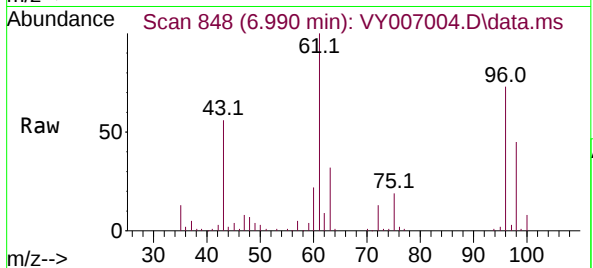




#22
2-Butanone
Concen: 46.089 ug/L
RT: 6.990 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY007004.D
Acq: 07 Dec 2021 18:22

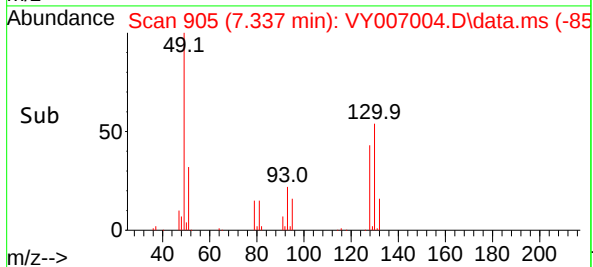
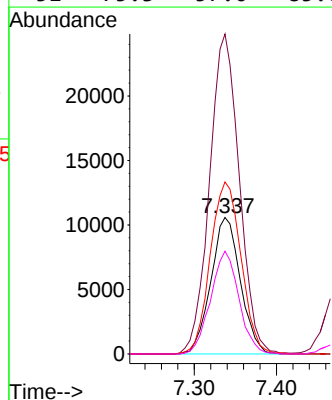
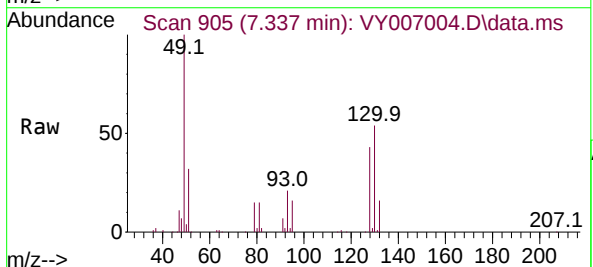
Instrument :
MSVOA_Y
ClientSampleId :
EX8D0MSD

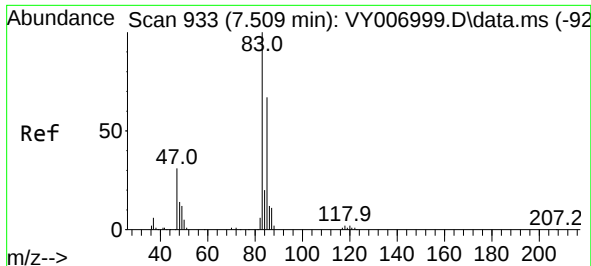
Tgt Ion: 43 Resp: 51121
Ion Ratio Lower Upper
43 100
72 22.8 11.4 34.2



#23
Bromochloromethane
Concen: 25.128 ug/L
RT: 7.337 min Scan# 905
Delta R.T. -0.000 min
Lab File: VY007004.D
Acq: 07 Dec 2021 18:22

Tgt Ion:128 Resp: 26345
Ion Ratio Lower Upper
128 100
49 234.6 150.1 278.7
130 126.1 81.1 150.5
51 75.3 57.0 85.6

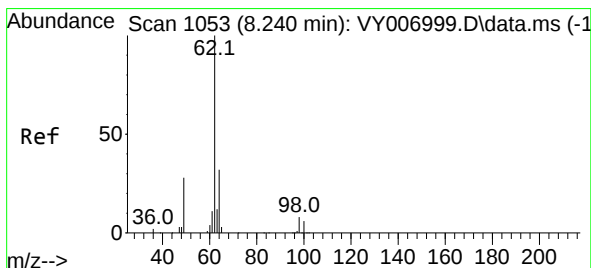
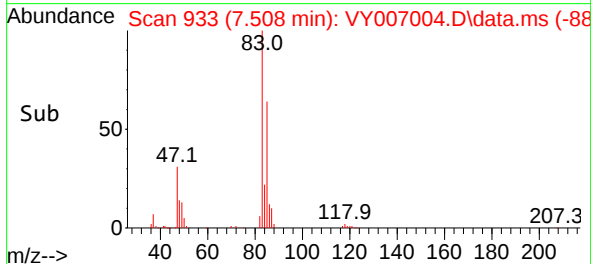
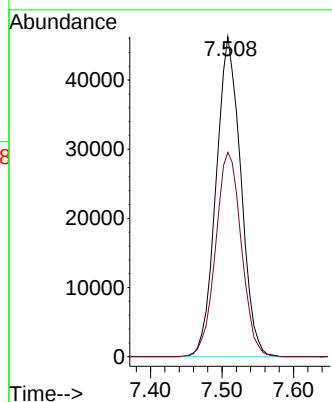
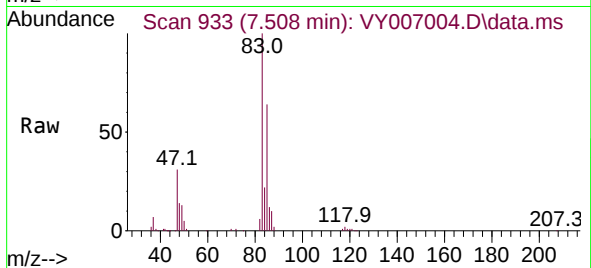




#25
Chloroform
Concen: 25.192 ug/L
RT: 7.508 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007004.D
Acq: 07 Dec 2021 18:22

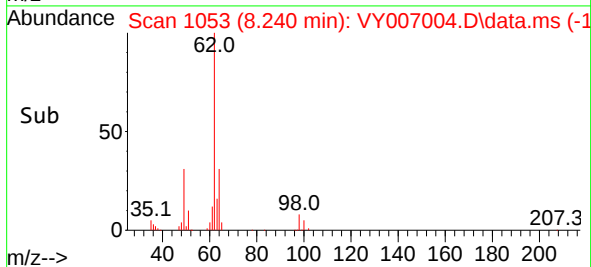
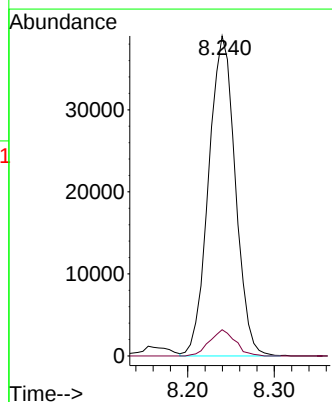
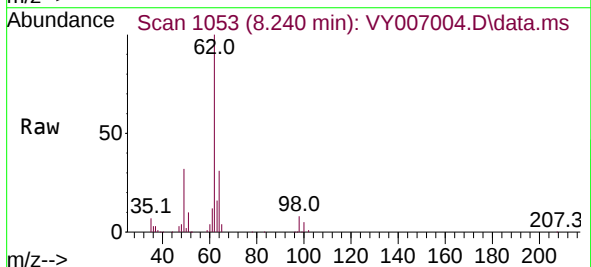
Instrument :
MSVOA_Y
ClientSampleId :
EX8D0MSD

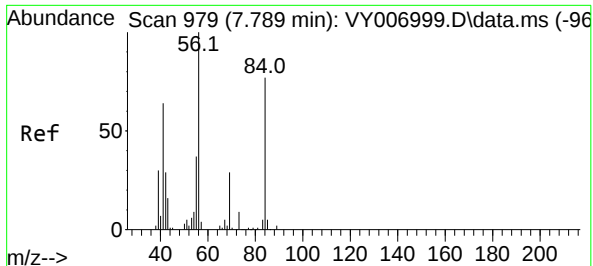
Tgt Ion: 83 Resp: 110922
Ion Ratio Lower Upper
83 100
85 63.9 43.9 81.5



#27
1,2-Dichloroethane
Concen: 26.606 ug/L
RT: 8.240 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VY007004.D
Acq: 07 Dec 2021 18:22

Tgt Ion: 62 Resp: 83544
Ion Ratio Lower Upper
62 100
98 8.2 6.6 9.8





#29

Cyclohexane

Concen: 24.951 ug/L

RT: 7.789 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY007004.D

Acq: 07 Dec 2021 18:22

Instrument :

MSVOA_Y

ClientSampleId :

EX8D0MSD

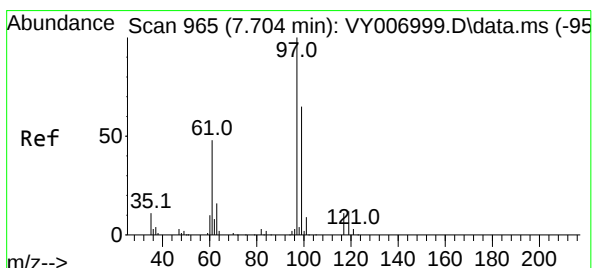
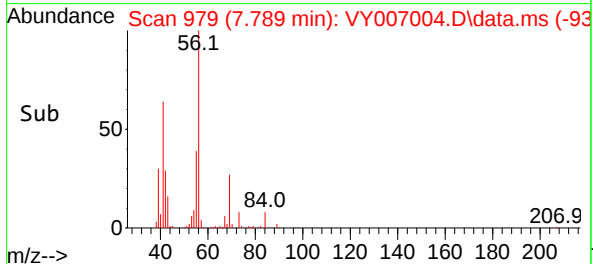
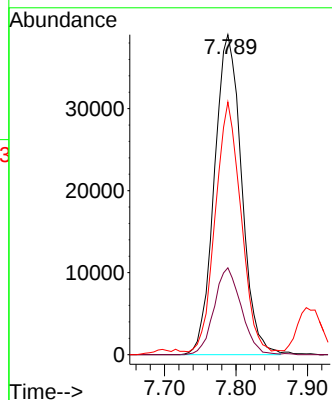
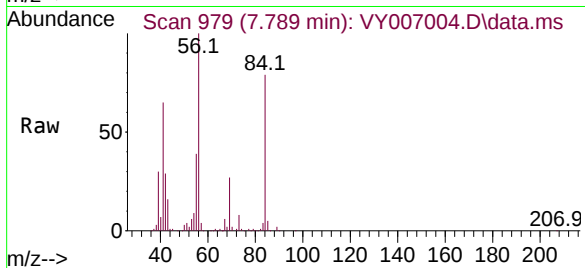
Tgt Ion: 56 Resp: 103199

Ion Ratio Lower Upper

56 100

69 27.0 22.0 33.0

84 75.3 61.7 92.5



#30

1,1,1-Trichloroethane

Concen: 24.386 ug/L

RT: 7.703 min Scan# 965

Delta R.T. -0.000 min

Lab File: VY007004.D

Acq: 07 Dec 2021 18:22

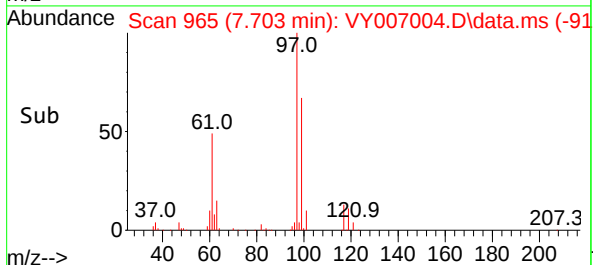
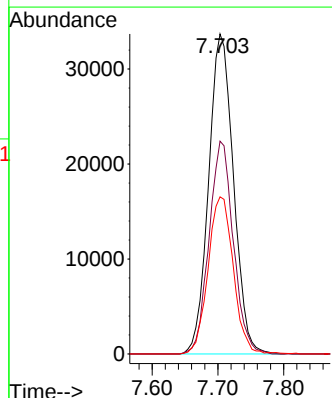
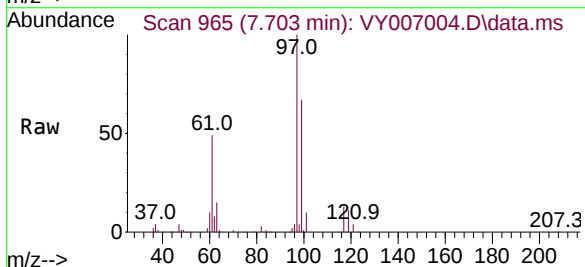
Tgt Ion: 97 Resp: 88589

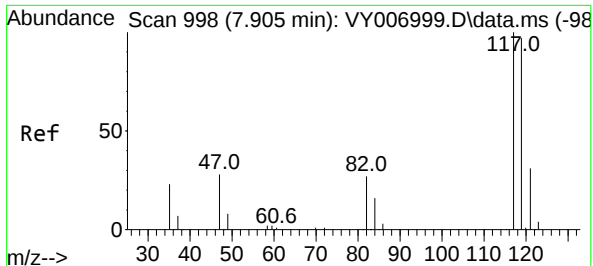
Ion Ratio Lower Upper

97 100

99 65.0 50.7 76.1

61 49.6 38.5 57.7

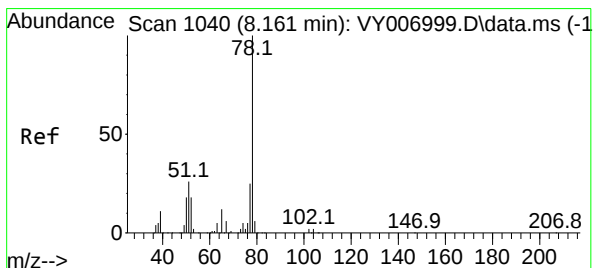
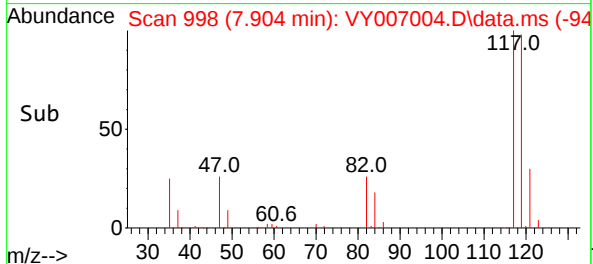
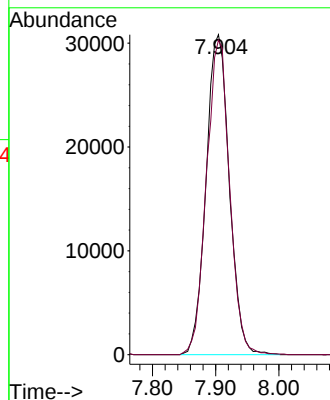
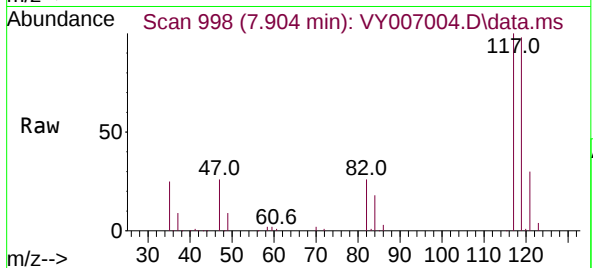




#31
Carbon tetrachloride
Concen: 23.894 ug/L
RT: 7.904 min Scan# 998
Delta R.T. -0.000 min
Lab File: VY007004.D
Acq: 07 Dec 2021 18:22

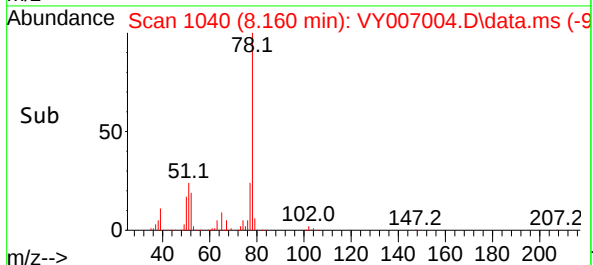
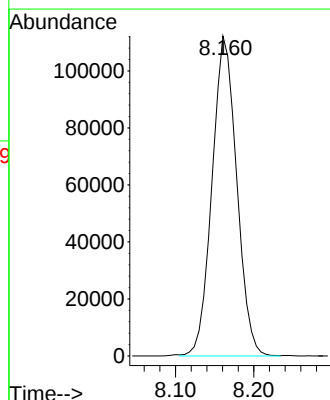
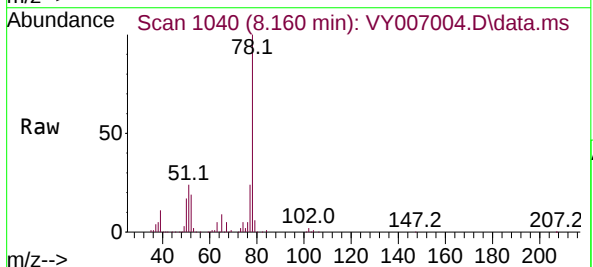
Instrument :
MSVOA_Y
ClientSampleId :
EX8D0MSD

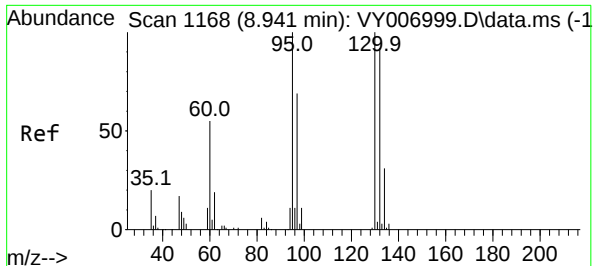
Tgt Ion:117 Resp: 78964
Ion Ratio Lower Upper
117 100
119 97.8 76.4 114.6



#33
Benzene
Concen: 24.937 ug/L
RT: 8.160 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY007004.D
Acq: 07 Dec 2021 18:22

Tgt Ion: 78 Resp: 245419



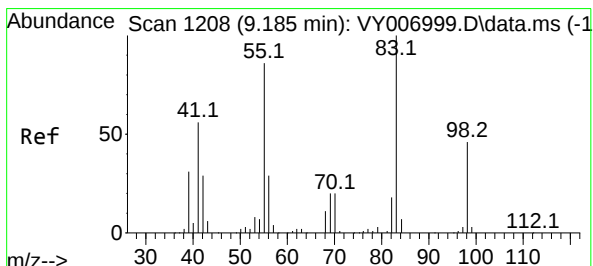
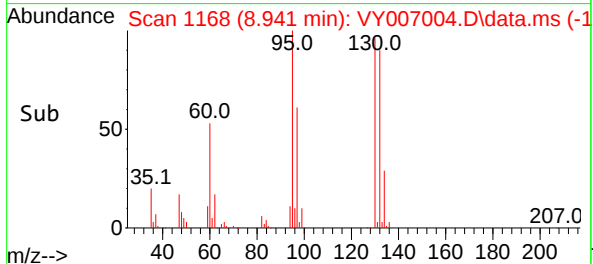
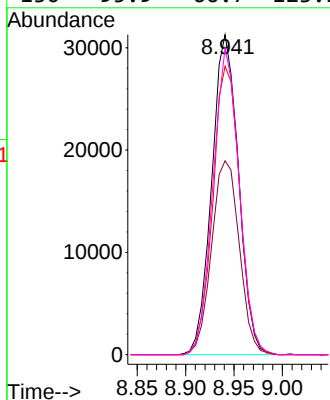
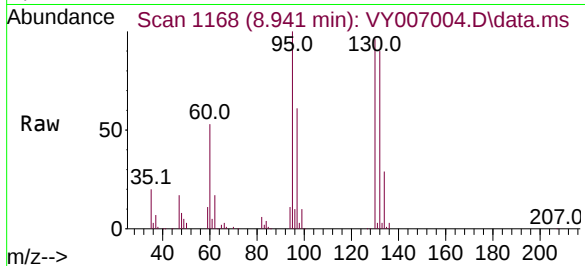


#34
Trichloroethene
Concen: 25.264 ug/L
RT: 8.941 min Scan# 1168
Delta R.T. -0.000 min
Lab File: VY007004.D
Acq: 07 Dec 2021 18:22

Instrument :
MSVOA_Y
ClientSampleId :
EX8D0MSD

Tgt Ion: 95 Resp: 60069

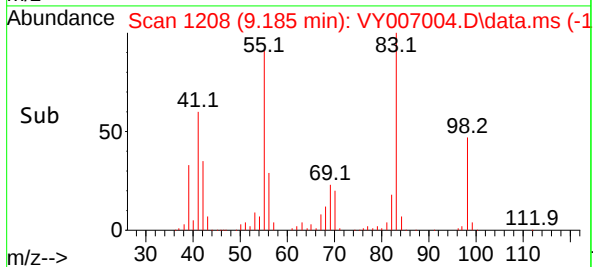
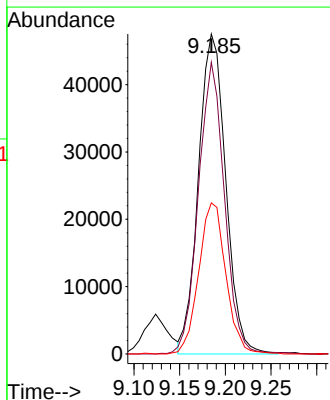
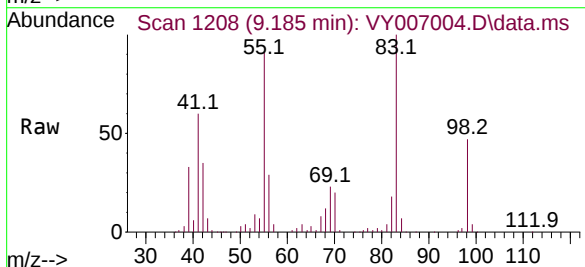
Ion	Ratio	Lower	Upper
95	100		
97	60.6	46.4	86.2
132	90.1	63.0	117.0
130	95.9	66.7	123.9

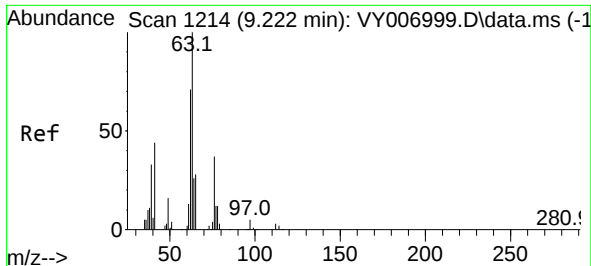


#35
Methylcyclohexane
Concen: 23.748 ug/L
RT: 9.185 min Scan# 1208
Delta R.T. -0.000 min
Lab File: VY007004.D
Acq: 07 Dec 2021 18:22

Tgt Ion: 83 Resp: 98627

Ion	Ratio	Lower	Upper
83	100		
55	86.9	68.9	103.3
98	47.0	37.8	56.8





#37

1,2-Dichloropropane

Concen: 26.144 ug/L

RT: 9.215 min Scan# 11

Delta R.T. -0.007 min

Lab File: VY007004.D

Acq: 07 Dec 2021 18:22

Instrument :

MSVOA_Y

ClientSampleId :

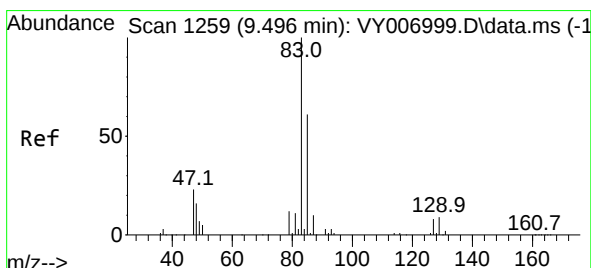
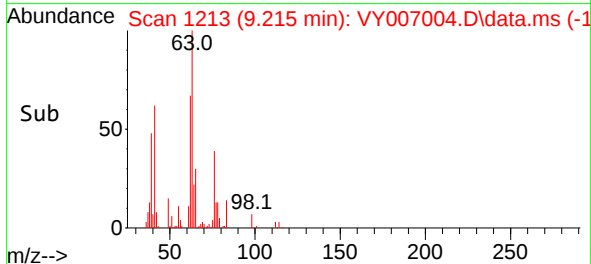
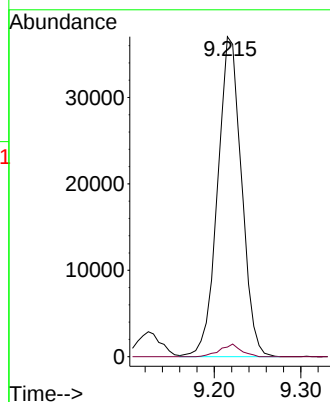
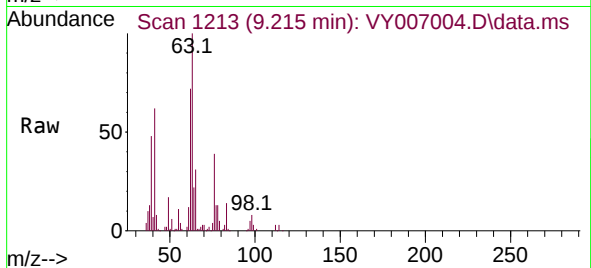
EX8D0MSD

Tgt Ion: 63 Resp: 71076

Ion Ratio Lower Upper

63 100

112 3.5 2.8 4.2



#38

Bromodichloromethane

Concen: 26.052 ug/L

RT: 9.496 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VY007004.D

Acq: 07 Dec 2021 18:22

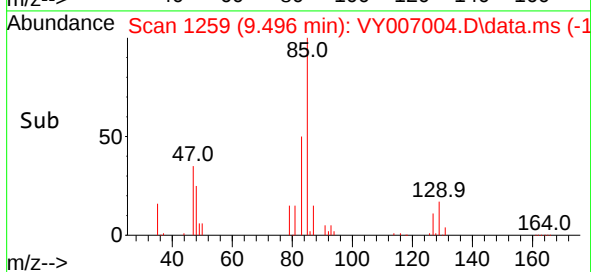
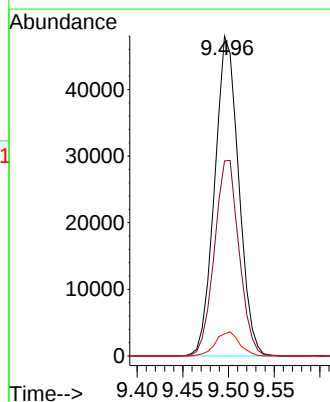
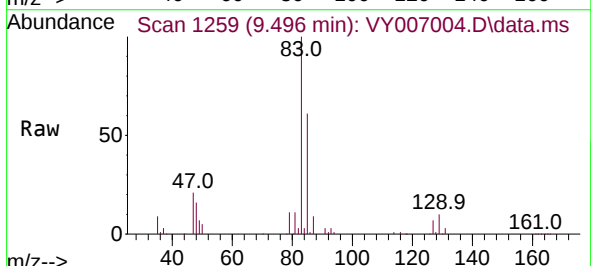
Tgt Ion: 83 Resp: 87870

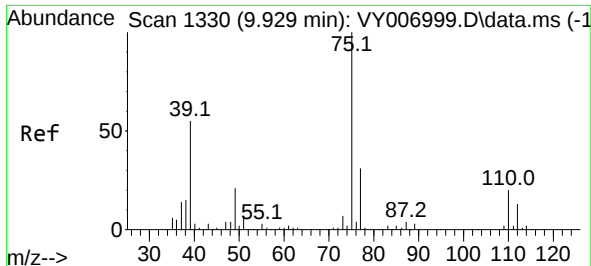
Ion Ratio Lower Upper

83 100

85 61.0 44.7 82.9

127 6.9 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 25.823 ug/L

RT: 9.928 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY007004.D

Acq: 07 Dec 2021 18:22

Instrument :

MSVOA_Y

ClientSampleId :

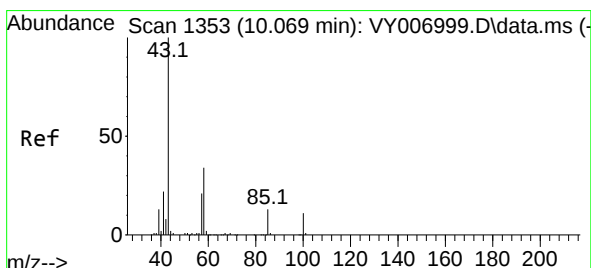
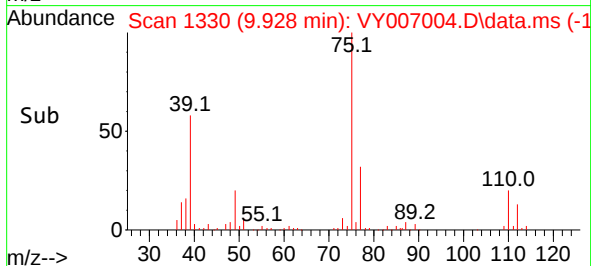
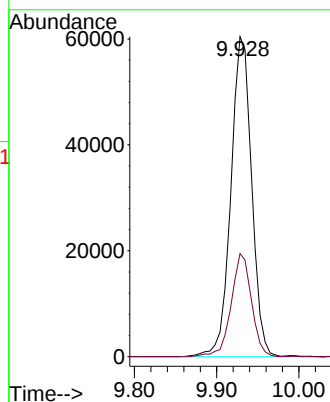
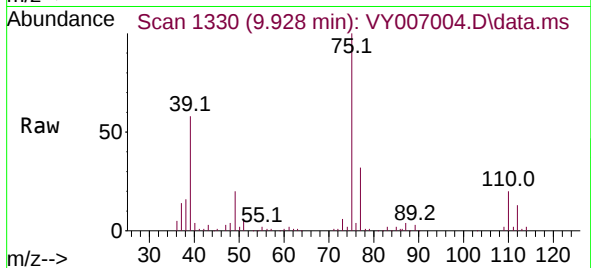
EX8D0MSD

Tgt Ion: 75 Resp: 106077

Ion Ratio Lower Upper

75 100

77 32.2 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 48.460 ug/L

RT: 10.075 min Scan# 1354

Delta R.T. 0.006 min

Lab File: VY007004.D

Acq: 07 Dec 2021 18:22

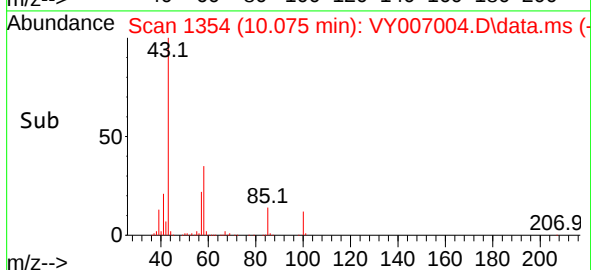
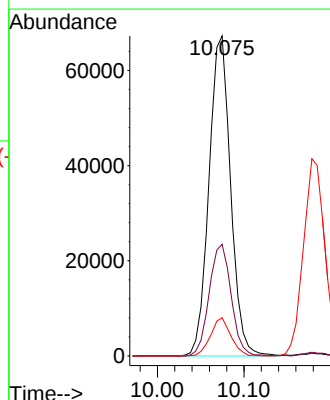
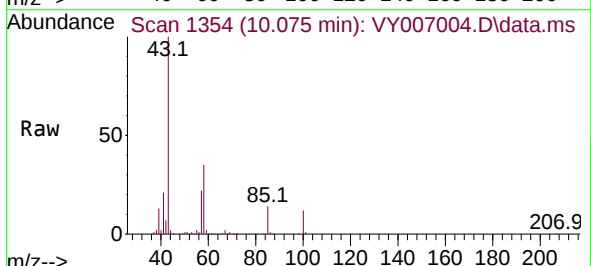
Tgt Ion: 43 Resp: 116930

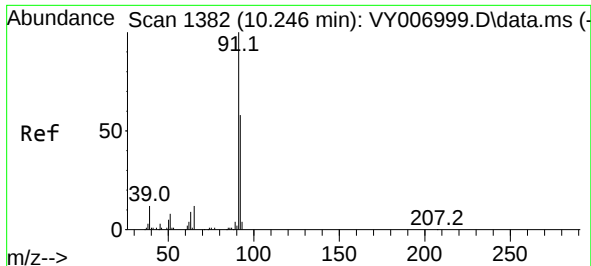
Ion Ratio Lower Upper

43 100

58 35.2 28.6 42.8

100 11.3 9.2 13.8





#42

Toluene

Concen: 24.942 ug/L

RT: 10.245 min Scan# 1382

Delta R.T. -0.000 min

Lab File: VY007004.D

Acq: 07 Dec 2021 18:22

Instrument :

MSVOA_Y

ClientSampleId :

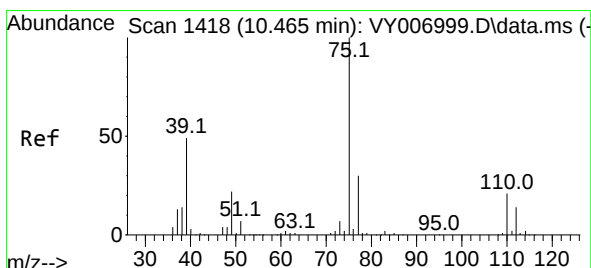
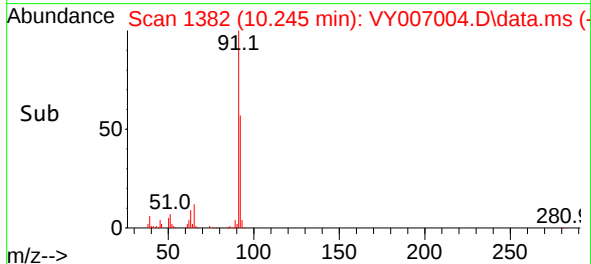
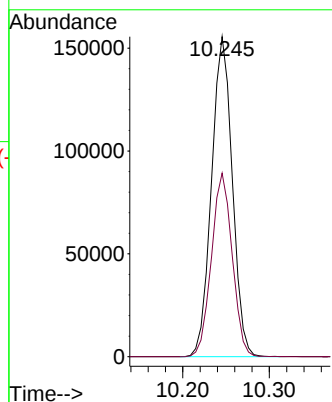
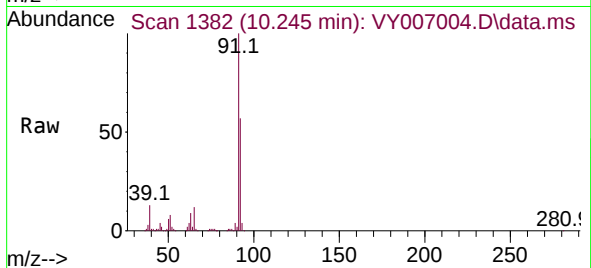
EX8D0MSD

Tgt Ion: 91 Resp: 259247

Ion Ratio Lower Upper

91 100

92 57.4 38.2 71.0



#44

trans-1,3-Dichloropropene

Concen: 25.817 ug/L

RT: 10.465 min Scan# 1418

Delta R.T. -0.000 min

Lab File: VY007004.D

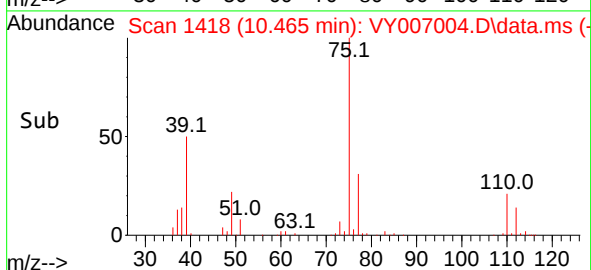
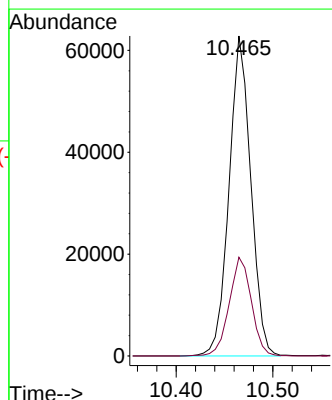
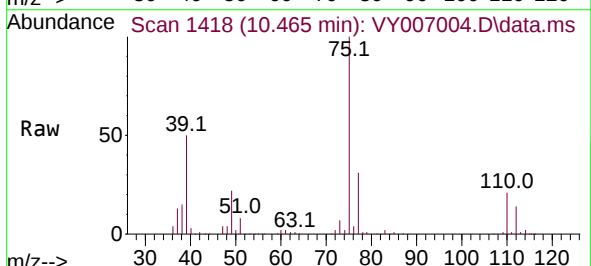
Acq: 07 Dec 2021 18:22

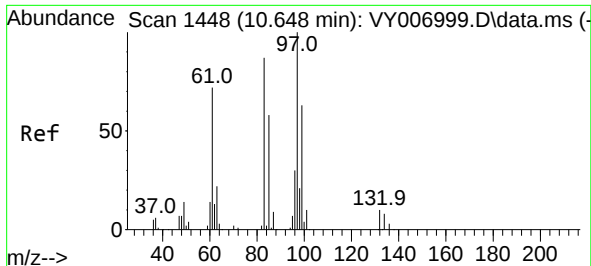
Tgt Ion: 75 Resp: 98297

Ion Ratio Lower Upper

75 100

77 30.8 21.8 40.6

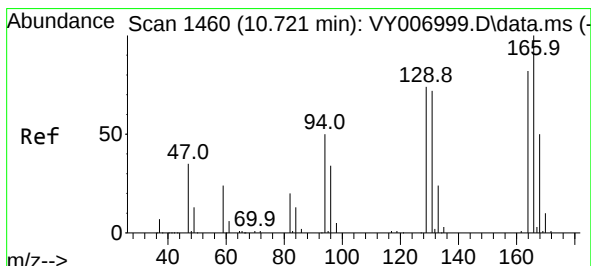
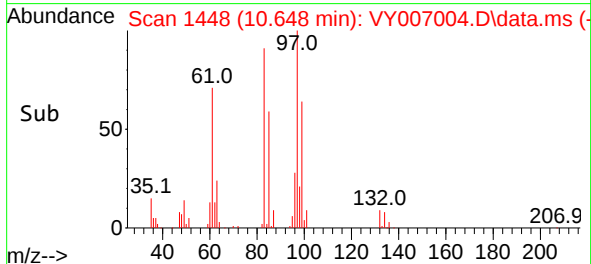
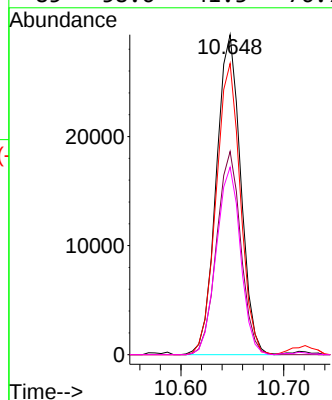
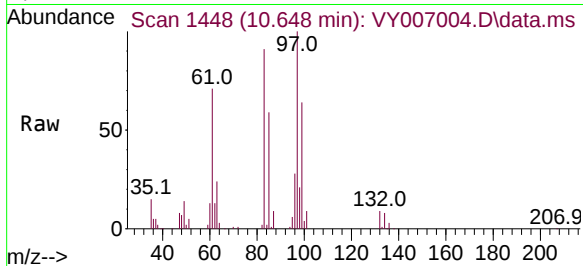




#45
1,1,2-Trichloroethane
Concen: 25.108 ug/L
RT: 10.648 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VY007004.D
Acq: 07 Dec 2021 18:22

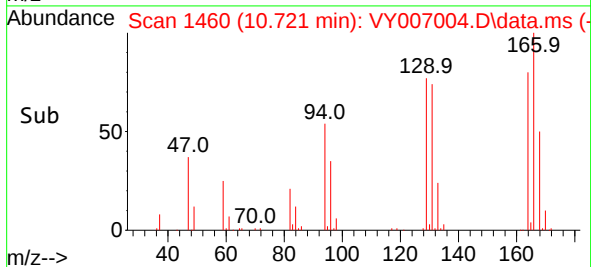
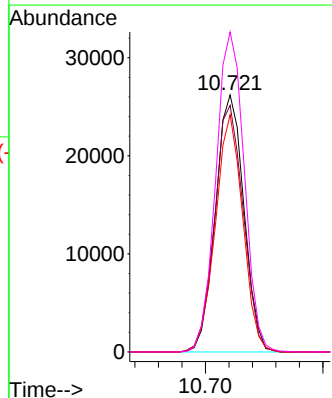
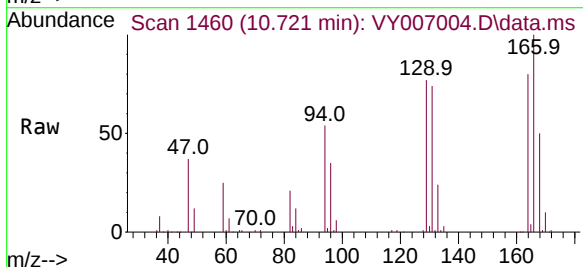
Instrument :
MSVOA_Y
ClientSampleId :
EX8D0MSD

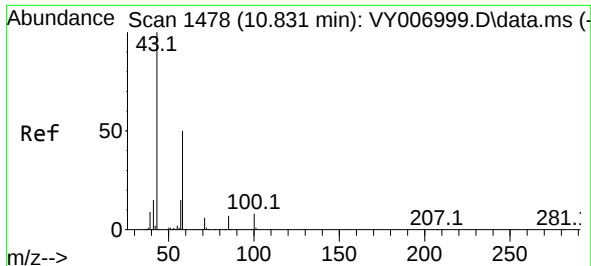
Tgt Ion: 97	Resp: 48419
Ion Ratio	Lower Upper
97 100	
99 63.5	43.4 80.6
83 91.0	59.8 111.1
85 58.6	41.3 76.7



#46
Tetrachloroethene
Concen: 24.115 ug/L
RT: 10.721 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VY007004.D
Acq: 07 Dec 2021 18:22

Tgt	Ion:164	Resp:	44038
Ion	Ratio	Lower	Upper
164	100		
129	96.0	64.0	118.8
131	92.3	60.5	112.5
166	124.6	89.2	165.8



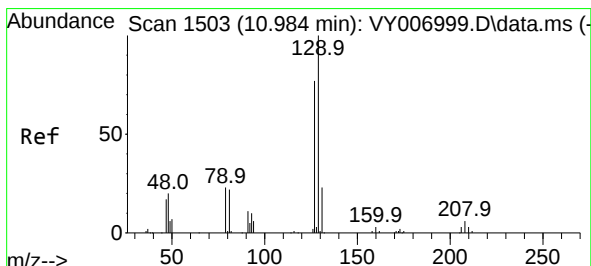
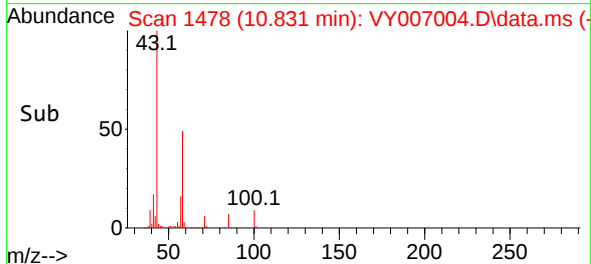
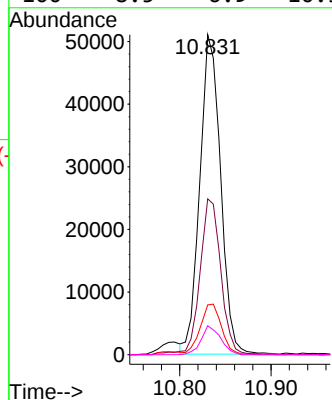
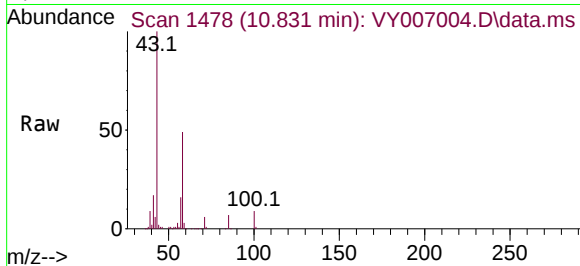


#48
2-Hexanone
Concen: 48.859 ug/L
RT: 10.831 min Scan# 1478
Delta R.T. -0.000 min
Lab File: VY007004.D
Acq: 07 Dec 2021 18:22

Instrument :
MSVOA_Y
ClientSampleId :
EX8D0MSD

Tgt Ion: 43 Resp: 80491

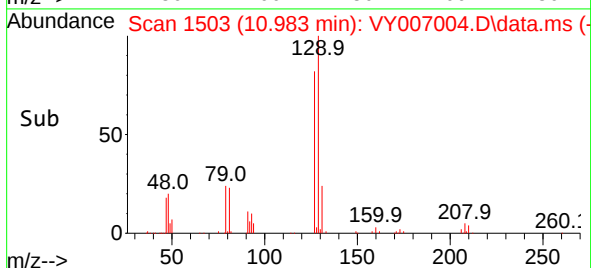
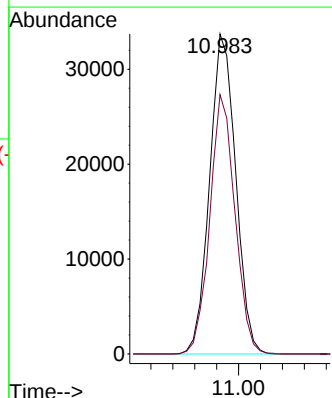
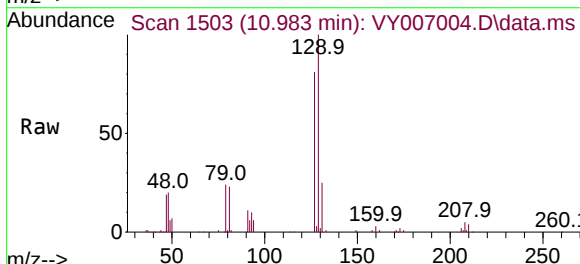
Ion	Ratio	Lower	Upper
43	100		
58	49.0	40.1	60.1
57	16.2	13.0	19.6
100	8.5	6.9	10.3

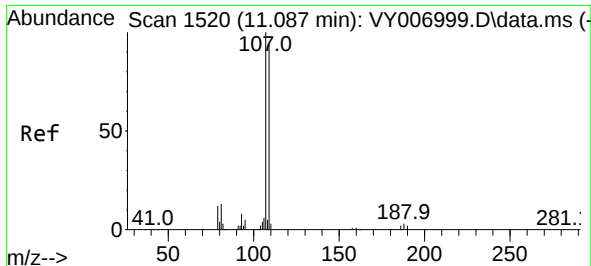


#49
Dibromochloromethane
Concen: 25.284 ug/L
RT: 10.983 min Scan# 1503
Delta R.T. -0.000 min
Lab File: VY007004.D
Acq: 07 Dec 2021 18:22

Tgt Ion: 129 Resp: 55776

Ion	Ratio	Lower	Upper
129	100		
127	81.1	52.8	98.2





#50

1,2-Dibromoethane

Concen: 25.076 ug/L

RT: 11.093 min Scan# 1521

Delta R.T. 0.006 min

Lab File: VY007004.D

Acq: 07 Dec 2021 18:22

Instrument :

MSVOA_Y

ClientSampleId :

EX8D0MSD

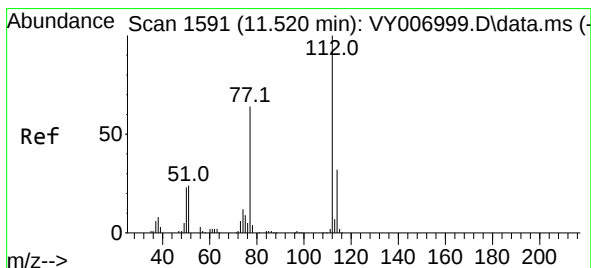
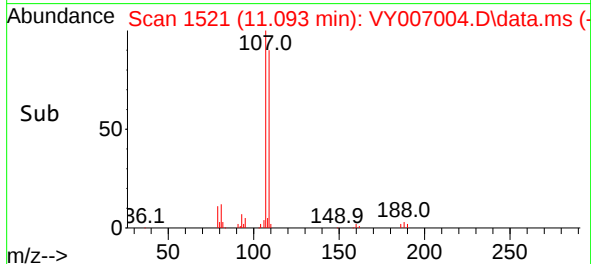
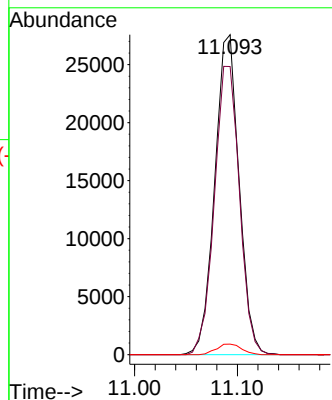
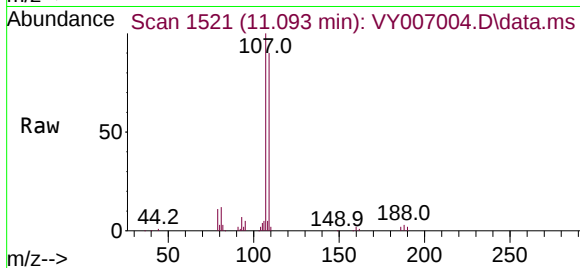
Tgt Ion:107 Resp: 45322

Ion Ratio Lower Upper

107 100

109 90.1 65.5 121.7

188 3.3 2.6 3.8



#51

Chlorobenzene

Concen: 25.602 ug/L

RT: 11.520 min Scan# 1591

Delta R.T. -0.000 min

Lab File: VY007004.D

Acq: 07 Dec 2021 18:22

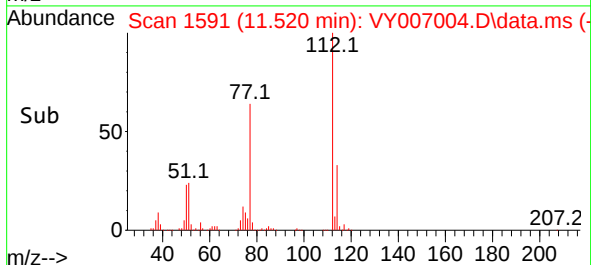
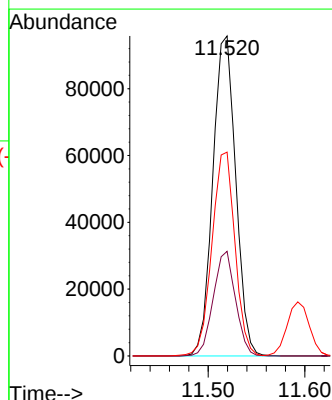
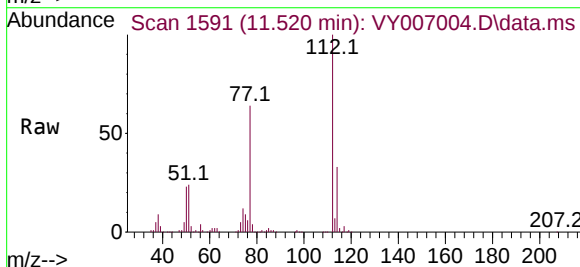
Tgt Ion:112 Resp: 157677

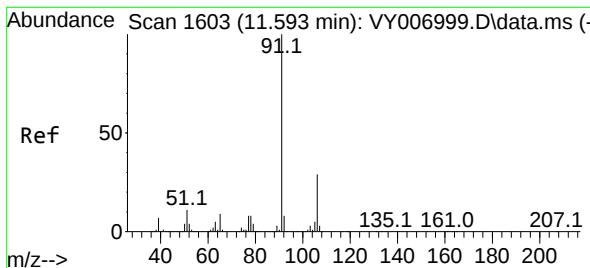
Ion Ratio Lower Upper

112 100

114 32.7 22.3 41.3

77 63.7 49.8 74.8

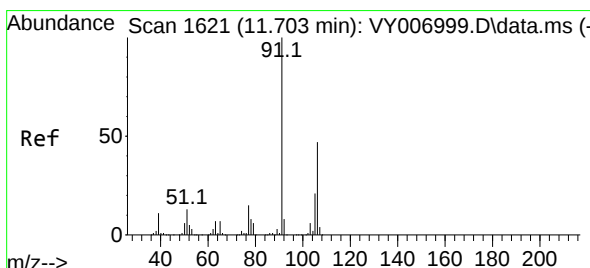
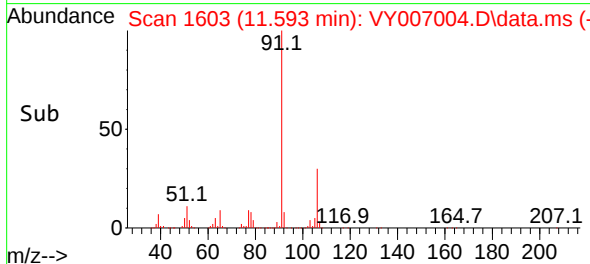
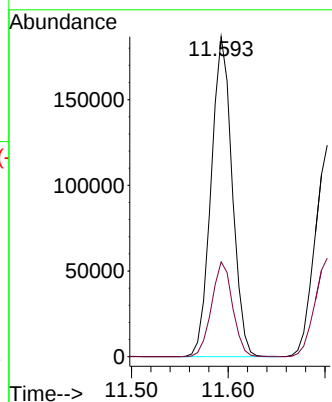
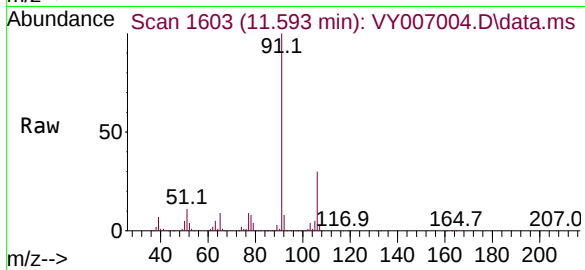




#52
Ethylbenzene
Concen: 24.683 ug/L
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY007004.D
Acq: 07 Dec 2021 18:22

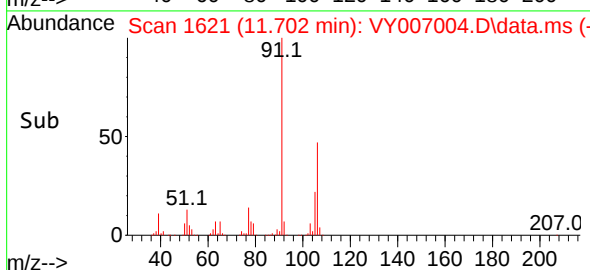
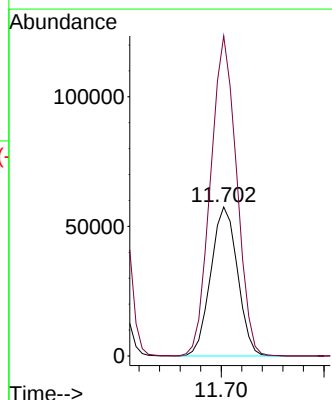
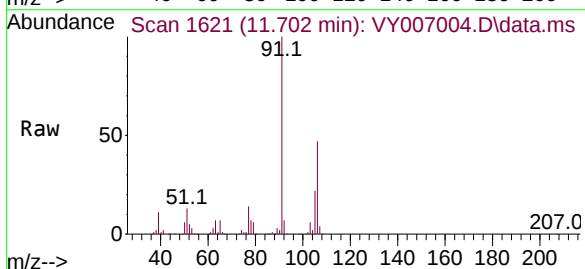
Instrument :
MSVOA_Y
ClientSampleId :
EX8D0MSD

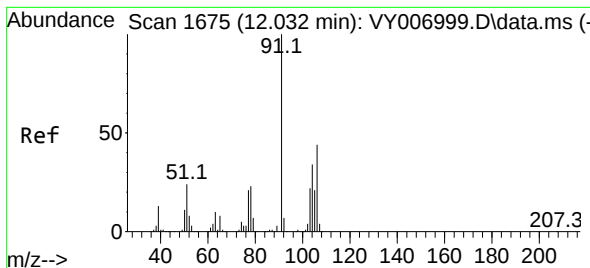
Tgt Ion: 91 Resp: 281703
Ion Ratio Lower Upper
91 100
106 29.7 21.3 39.6



#53
m,p-Xylene
Concen: 24.700 ug/L
RT: 11.702 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY007004.D
Acq: 07 Dec 2021 18:22

Tgt Ion:106 Resp: 103831
Ion Ratio Lower Upper
106 100
91 214.8 148.8 276.4





#54

o-Xylene

Concen: 25.263 ug/L

RT: 12.032 min Scan# 1675

Delta R.T. -0.000 min

Lab File: VY007004.D

Acq: 07 Dec 2021 18:22

Instrument :

MSVOA_Y

ClientSampleId :

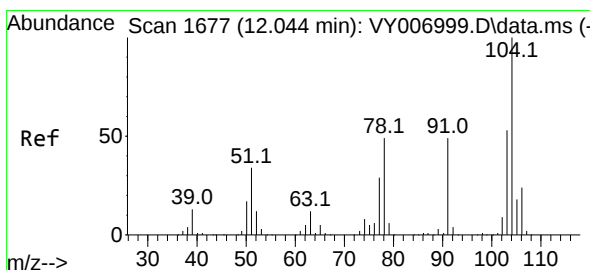
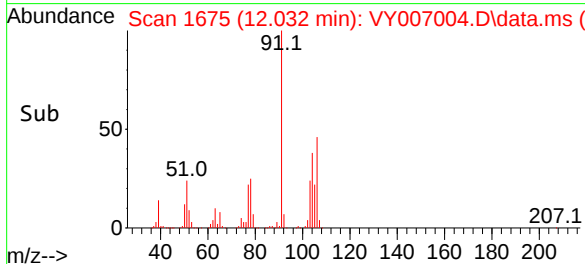
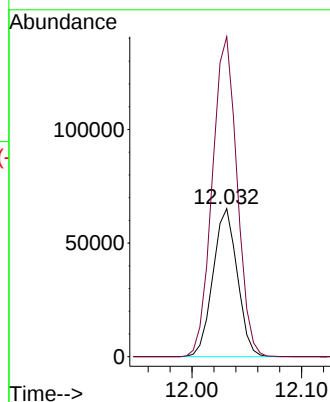
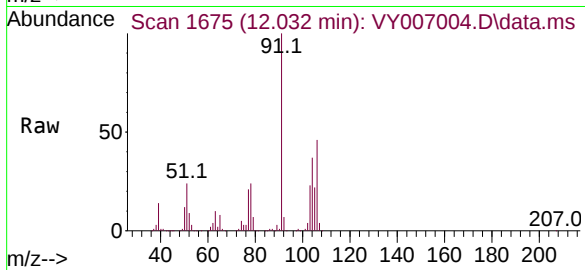
EX8D0MSD

Tgt Ion:106 Resp: 100528

Ion Ratio Lower Upper

106 100

91 216.2 152.0 282.2



#55

Styrene

Concen: 25.249 ug/L

RT: 12.044 min Scan# 1677

Delta R.T. -0.000 min

Lab File: VY007004.D

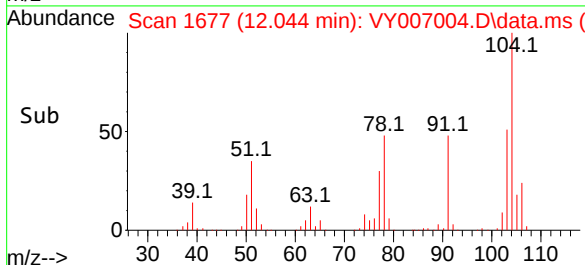
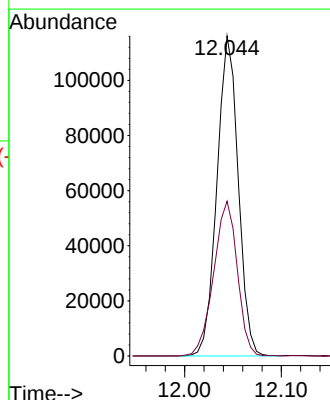
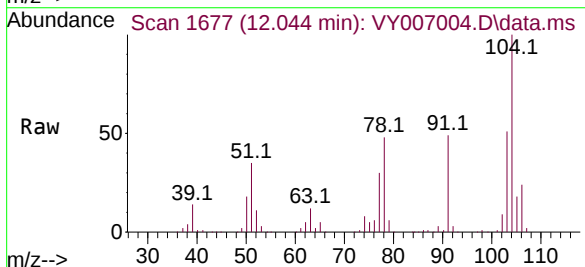
Acq: 07 Dec 2021 18:22

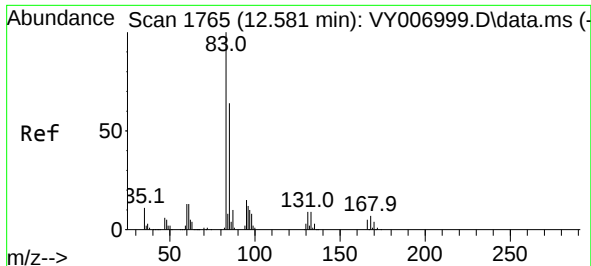
Tgt Ion:104 Resp: 177084

Ion Ratio Lower Upper

104 100

78 48.4 34.2 63.6





#57

1,1,2-Tetrachloroethane

Concen: 26.840 ug/L

RT: 12.580 min Scan# 1765

Delta R.T. -0.000 min

Lab File: VY007004.D

Acq: 07 Dec 2021 18:22

Instrument :

MSVOA_Y

ClientSampleId :

EX8D0MSD

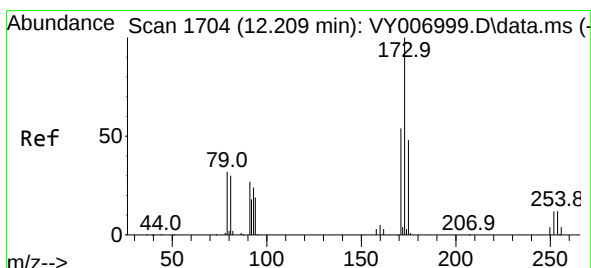
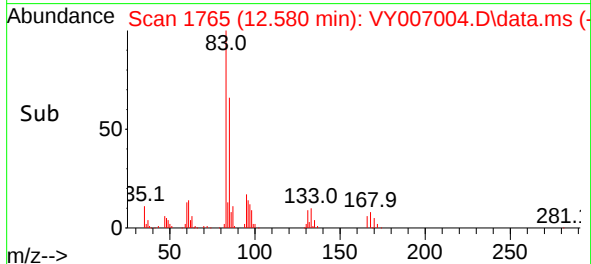
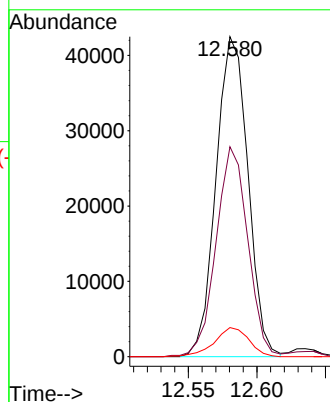
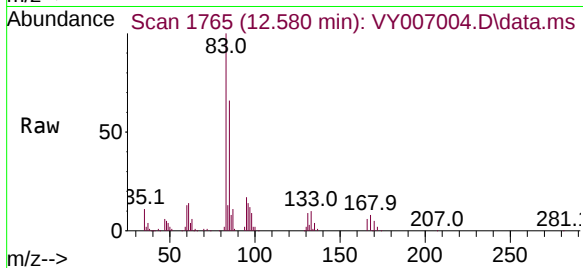
Tgt Ion: 83 Resp: 68773

Ion Ratio Lower Upper

83 100

85 65.6 44.2 82.2

131 9.1 7.4 11.0



#59

Bromoform

Concen: 24.301 ug/L

RT: 12.208 min Scan# 1704

Delta R.T. -0.000 min

Lab File: VY007004.D

Acq: 07 Dec 2021 18:22

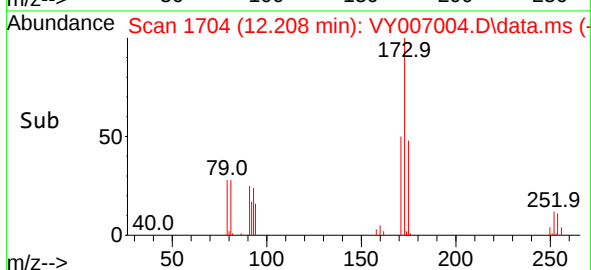
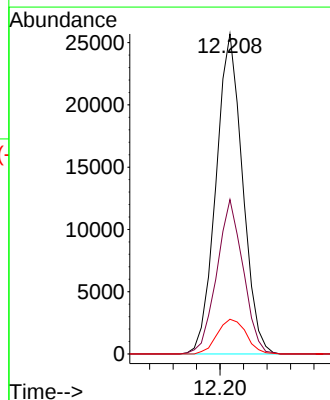
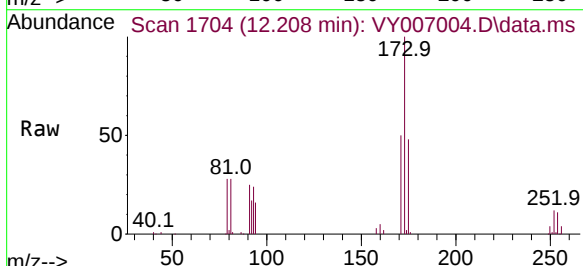
Tgt Ion: 173 Resp: 40385

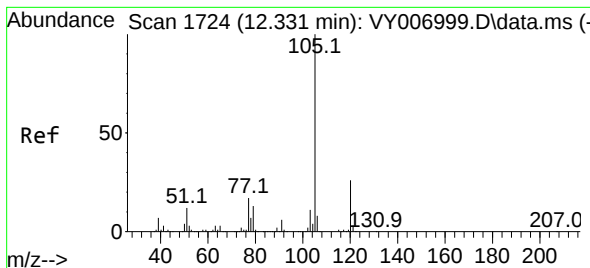
Ion Ratio Lower Upper

173 100

175 47.9 39.2 58.8

254 11.8 9.3 13.9





#60

Isopropylbenzene

Concen: 24.382 ug/L

RT: 12.330 min Scan# 1724

Delta R.T. -0.000 min

Lab File: VY007004.D

Acq: 07 Dec 2021 18:22

Instrument :

MSVOA_Y

ClientSampleId :

EX8D0MSD

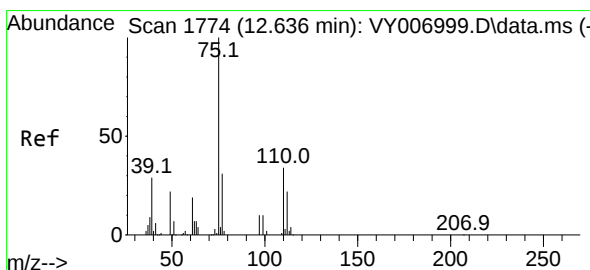
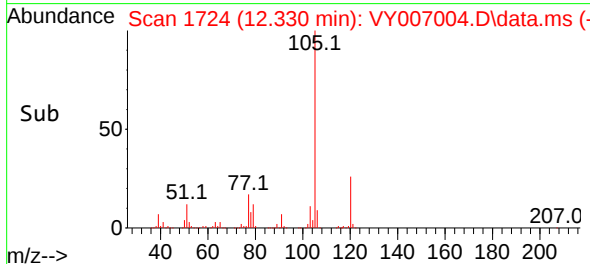
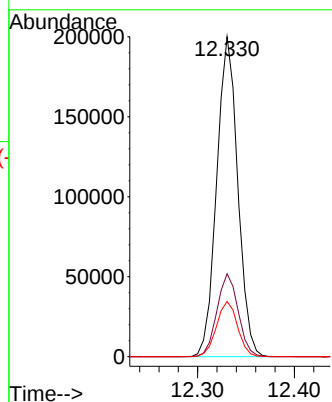
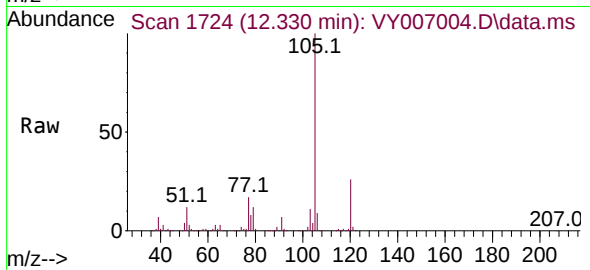
Tgt Ion:105 Resp: 302257

Ion Ratio Lower Upper

105 100

120 26.1 20.7 31.1

77 17.3 13.5 20.3



#61

1,2,3-Trichloropropane

Concen: 22.788 ug/L

RT: 12.635 min Scan# 1774

Delta R.T. -0.000 min

Lab File: VY007004.D

Acq: 07 Dec 2021 18:22

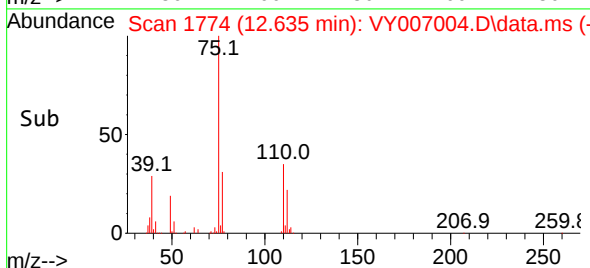
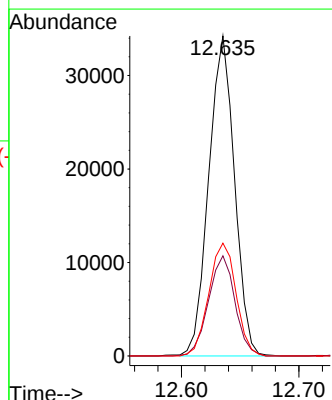
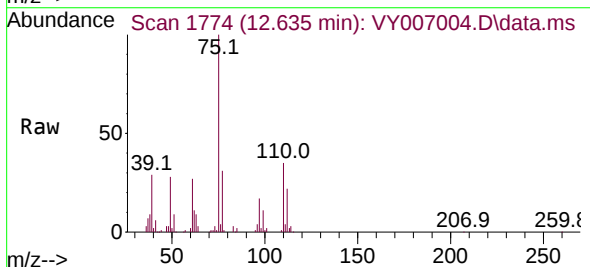
Tgt Ion: 75 Resp: 52146

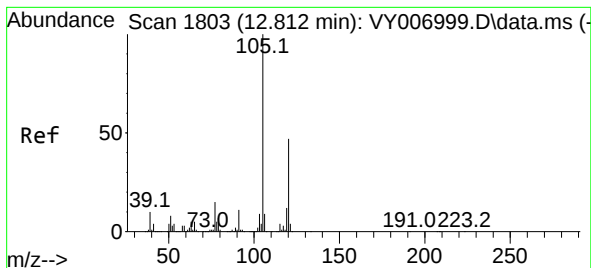
Ion Ratio Lower Upper

75 100

77 32.1 25.3 37.9

110 37.2 28.7 43.1





#62

1,3,5-Trimethylbenzene

Concen: 25.364 ug/L

RT: 12.812 min Scan# 1803

Delta R.T. -0.000 min

Lab File: VY007004.D

Acq: 07 Dec 2021 18:22

Instrument :

MSVOA_Y

ClientSampleId :

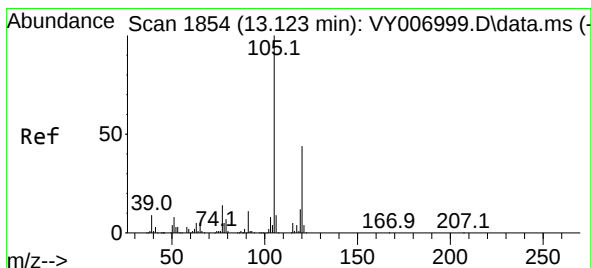
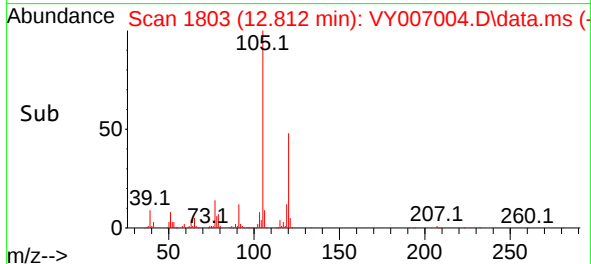
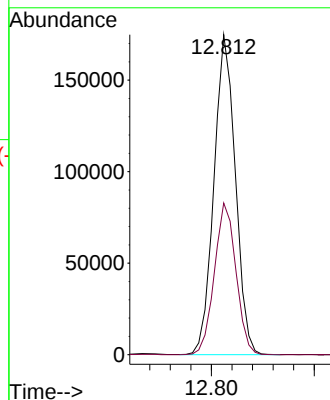
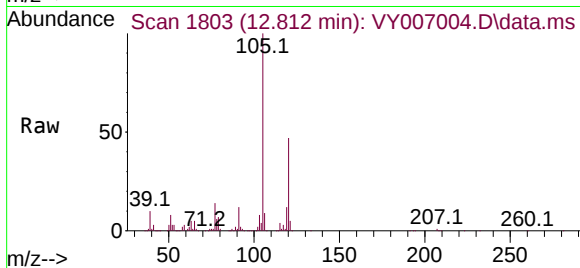
EX8D0MSD

Tgt Ion:105 Resp: 252629

Ion Ratio Lower Upper

105 100

120 47.7 37.4 56.0



#63

1,2,4-Trimethylbenzene

Concen: 25.379 ug/L

RT: 13.123 min Scan# 1854

Delta R.T. -0.000 min

Lab File: VY007004.D

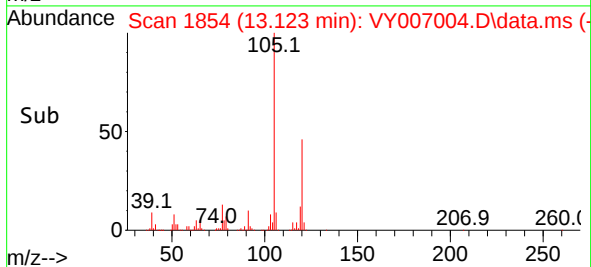
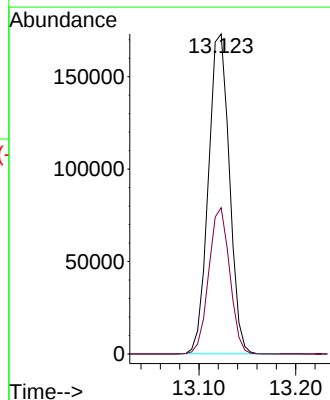
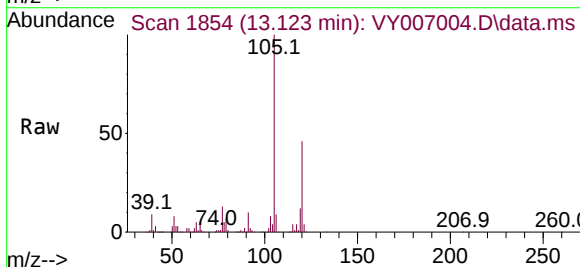
Acq: 07 Dec 2021 18:22

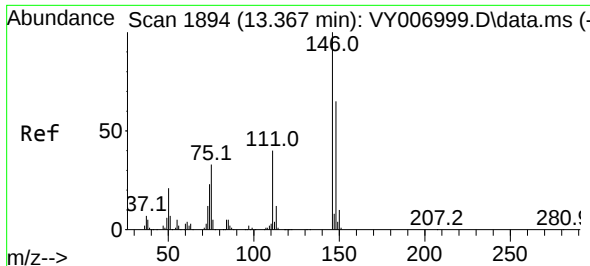
Tgt Ion:105 Resp: 261573

Ion Ratio Lower Upper

105 100

120 45.5 35.4 53.2

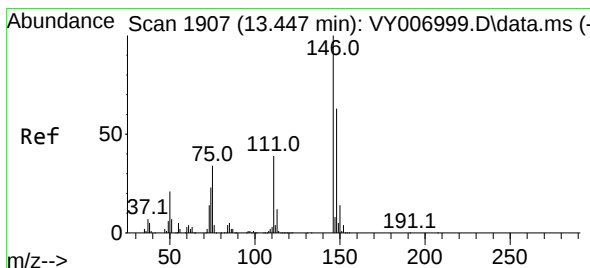
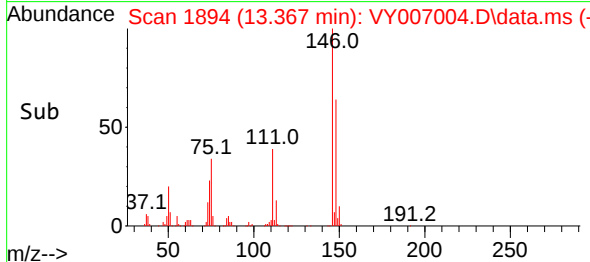
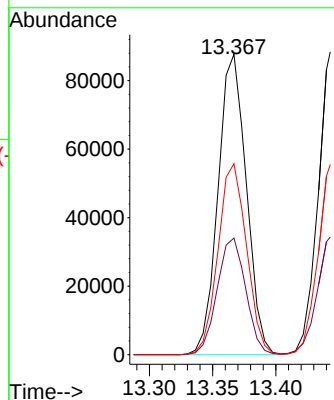
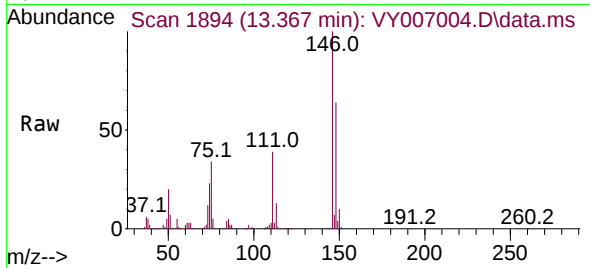




#64
1,3-Dichlorobenzene
Concen: 23.902 ug/L
RT: 13.367 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007004.D
Acq: 07 Dec 2021 18:22

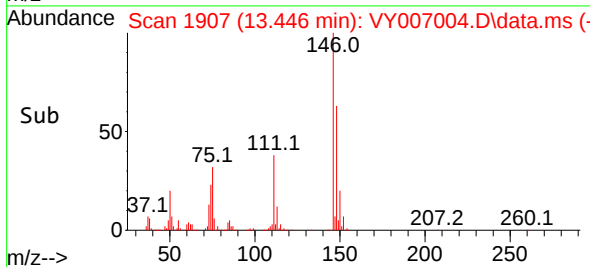
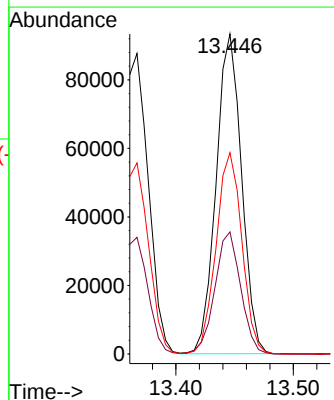
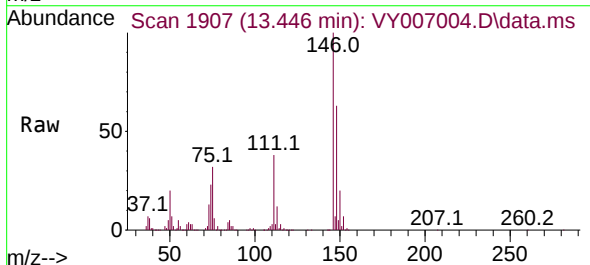
Instrument :
MSVOA_Y
ClientSampleId :
EX8D0MSD

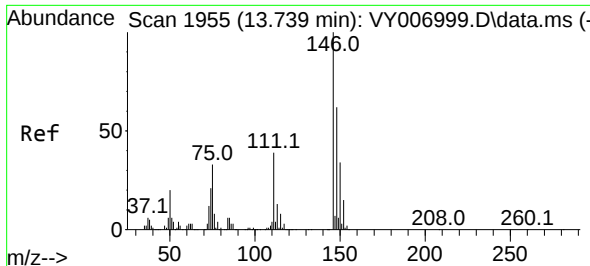
Tgt Ion:146 Resp: 136142
Ion Ratio Lower Upper
146 100
111 38.8 27.2 50.6
148 63.6 45.1 83.7



#65
1,4-Dichlorobenzene
Concen: 24.527 ug/L
RT: 13.446 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY007004.D
Acq: 07 Dec 2021 18:22

Tgt Ion:146 Resp: 140795
Ion Ratio Lower Upper
146 100
111 38.1 24.6 45.6
148 62.9 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 23.755 ug/L

RT: 13.739 min Scan# 1955

Delta R.T. -0.000 min

Lab File: VY007004.D

Acq: 07 Dec 2021 18:22

Instrument :

MSVOA_Y

ClientSampleId :

EX8D0MSD

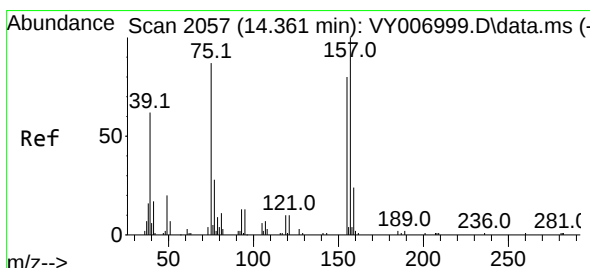
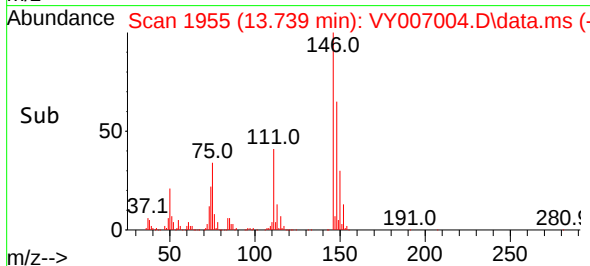
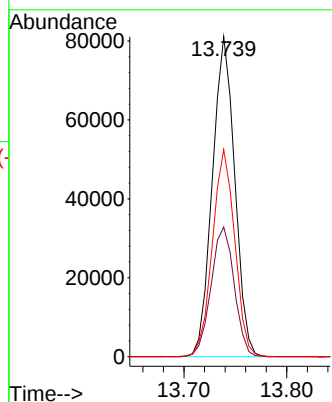
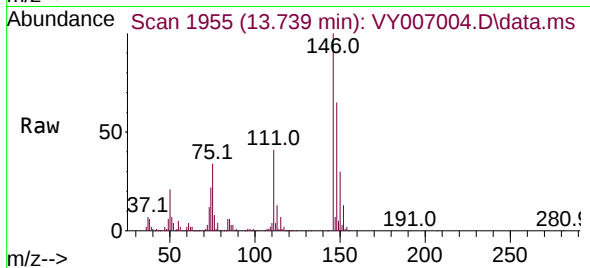
Tgt Ion:146 Resp: 122734

Ion Ratio Lower Upper

146 100

111 40.5 32.8 49.2

148 64.7 51.7 77.5



#68

1,2-Dibromo-3-chloropropane

Concen: 19.600 ug/L

RT: 14.354 min Scan# 2056

Delta R.T. -0.007 min

Lab File: VY007004.D

Acq: 07 Dec 2021 18:22

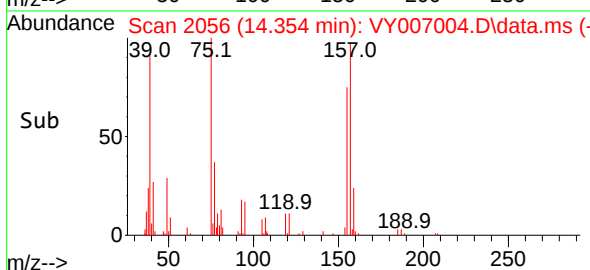
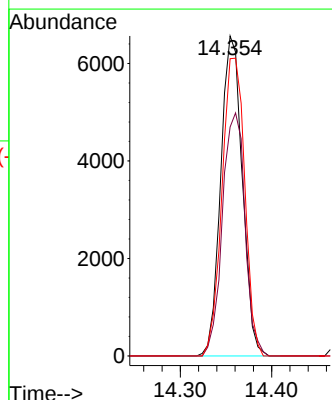
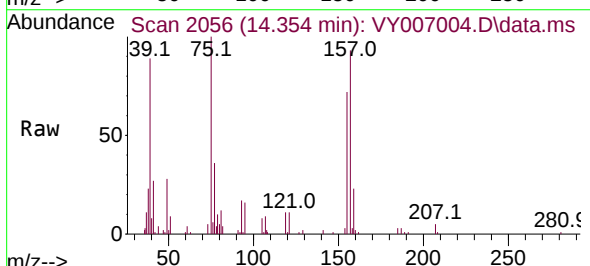
Tgt Ion: 75 Resp: 10767

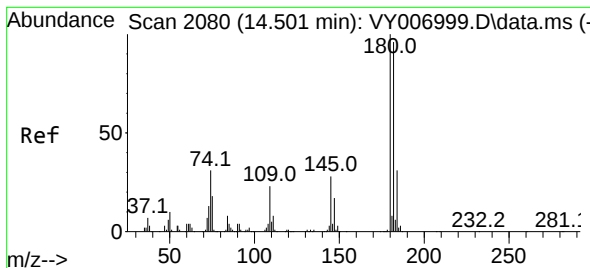
Ion Ratio Lower Upper

75 100

155 71.6 61.0 91.6

157 92.9 75.4 113.2





#69

1,3,5-Trichlorobenzene

Concen: 25.496 ug/L

RT: 14.501 min Scan# 2080

Delta R.T. -0.000 min

Lab File: VY007004.D

Acq: 07 Dec 2021 18:22

Instrument :

MSVOA_Y

ClientSampleId :

EX8D0MSD

Tgt Ion:180 Resp: 106559

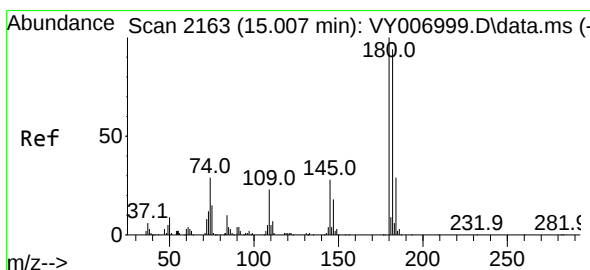
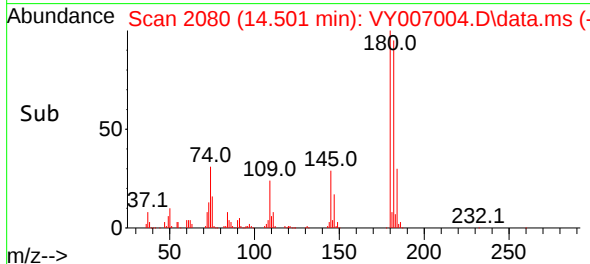
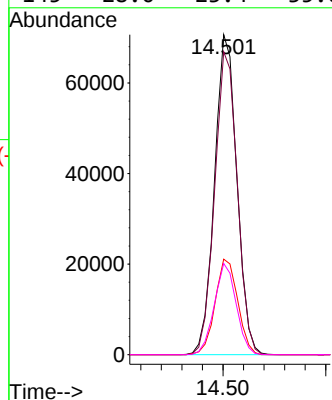
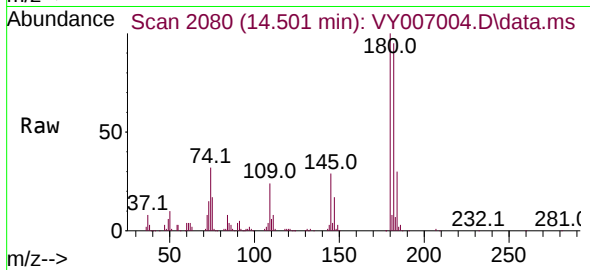
Ion Ratio Lower Upper

180 100

182 95.6 75.5 113.3

184 30.2 24.1 36.1

145 28.0 23.4 35.0



#70

1,2,4-trichlorobenzene

Concen: 24.174 ug/L

RT: 15.007 min Scan# 2163

Delta R.T. -0.000 min

Lab File: VY007004.D

Acq: 07 Dec 2021 18:22

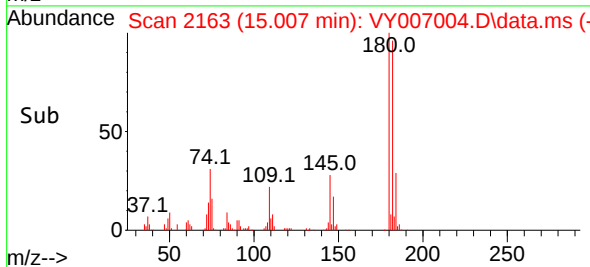
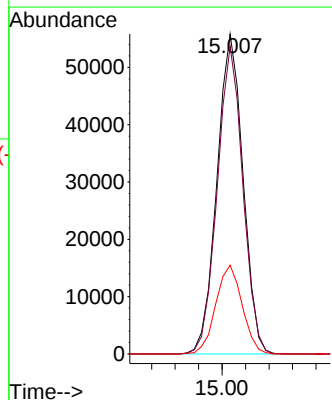
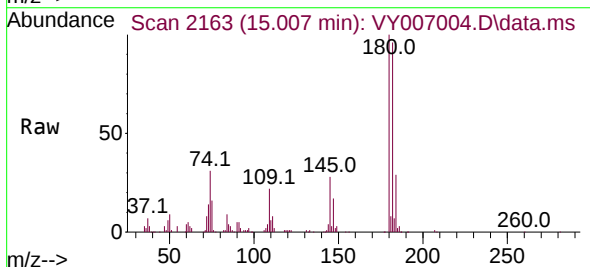
Tgt Ion:180 Resp: 85920

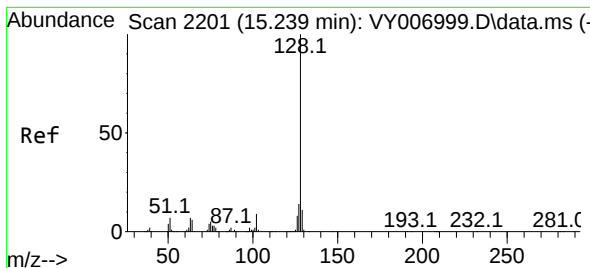
Ion Ratio Lower Upper

180 100

182 94.4 74.6 112.0

145 28.1 22.7 34.1





#71

Naphthalene

Concen: 20.872 ug/L

RT: 15.238 min Scan# 2201

Delta R.T. -0.000 min

Lab File: VY007004.D

Acq: 07 Dec 2021 18:22

Instrument :

MSVOA_Y

ClientSampleId :

EX8D0MSD

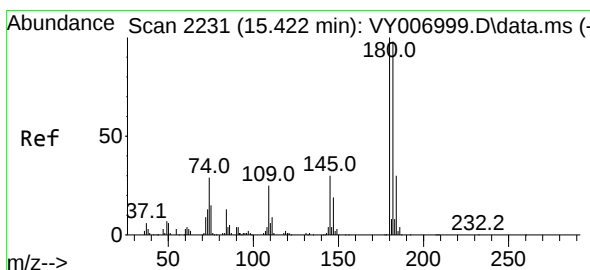
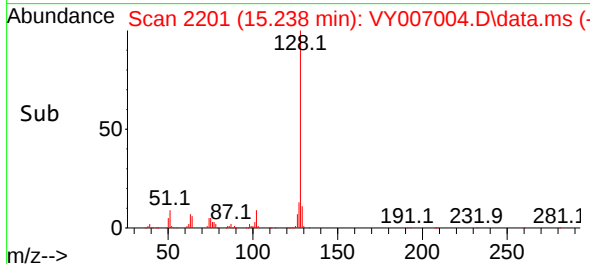
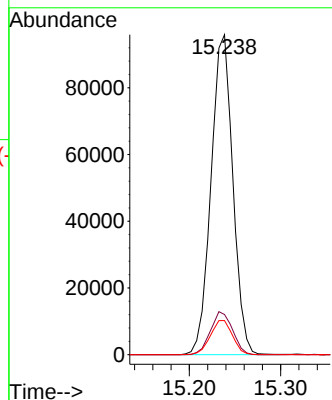
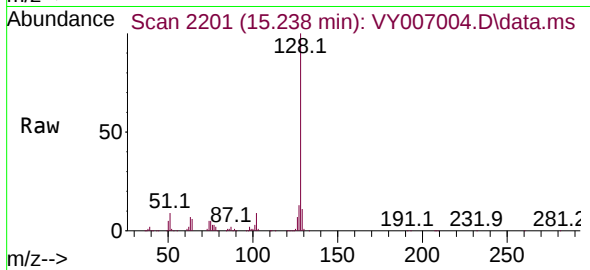
Tgt Ion:128 Resp: 158700

Ion Ratio Lower Upper

128 100

127 13.6 10.7 16.1

129 10.9 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 20.580 ug/L

RT: 15.421 min Scan# 2231

Delta R.T. -0.000 min

Lab File: VY007004.D

Acq: 07 Dec 2021 18:22

Tgt Ion:180 Resp: 68058

Ion Ratio Lower Upper

180 100

182 93.1 76.2 114.2

145 30.2 23.7 35.5

