

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051723\
 Data File : VY013789.D
 Acq On : 17 May 2023 20:20
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 18 07:19:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 06:54:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	236550	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	374997	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	338358	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	161297	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	143455	52.205	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.400%	
35) Dibromofluoromethane	7.722	113	124422	51.741	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.480%	
50) Toluene-d8	10.185	98	466036	51.120	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.240%	
62) 4-Bromofluorobenzene	12.483	95	158982	52.502	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.000%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.906	85	85062	50.084	ug/l	96
3) Chloromethane	2.113	50	121118	47.039	ug/l	98
4) Vinyl Chloride	2.253	62	121094	47.098	ug/l	98
5) Bromomethane	2.656	94	101034	44.314	ug/l	99
6) Chloroethane	2.802	64	83550	47.276	ug/l	96
7) Trichlorofluoromethane	3.131	101	189156	50.549	ug/l	99
8) Diethyl Ether	3.534	74	63973	51.091	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.905	101	107744	49.197	ug/l	99
10) Methyl Iodide	4.094	142	116431	48.390	ug/l	99
11) Tert butyl alcohol	4.978	59	71229	319.973	ug/l #	81
12) 1,1-Dichloroethene	3.881	96	98053	49.395	ug/l	96
13) Acrolein	3.735	56	90789	228.296	ug/l	100
14) Allyl chloride	4.491	41	197696	50.556	ug/l	99
15) Acrylonitrile	5.174	53	190195	259.015	ug/l	99
16) Acetone	3.960	43	180095	217.228	ug/l	95
17) Carbon Disulfide	4.204	76	271363	47.573	ug/l	100
18) Methyl Acetate	4.485	43	146924	50.832	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	319788	53.098	ug/l	98
20) Methylene Chloride	4.722	84	152421	62.519	ug/l	98
21) trans-1,2-Dichloroethene	5.228	96	112786	50.458	ug/l	91
22) Diisopropyl ether	6.125	45	432244	51.966	ug/l	99
23) Vinyl Acetate	6.070	43	1264282	262.665	ug/l	99
24) 1,1-Dichloroethane	6.027	63	230059	50.595	ug/l	99
25) 2-Butanone	6.996	43	259244	240.545	ug/l	99
26) 2,2-Dichloropropane	6.990	77	190037	48.928	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	136007	51.639	ug/l	98
28) Bromochloromethane	7.344	49	74362	46.740	ug/l	99
29) Tetrahydrofuran	7.356	42	165353	256.417	ug/l	99
30) Chloroform	7.515	83	232235	50.683	ug/l	97
31) Cyclohexane	7.795	56	177444	45.038	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	198263	50.690	ug/l	100
36) 1,1-Dichloropropene	7.923	75	164931	49.640	ug/l	99
37) Ethyl Acetate	7.082	43	116396	50.929	ug/l	99
38) Carbon Tetrachloride	7.911	117	177336	50.594	ug/l	95
39) Methylcyclohexane	9.191	83	182304	48.275	ug/l	98
40) Benzene	8.167	78	482382	49.960	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	46764	41.175	ug/l	95
42) 1,2-Dichloroethane	8.240	62	161956	51.914	ug/l	100
43) Isopropyl Acetate	8.277	43	210122	50.653	ug/l	99
44) Trichloroethene	8.947	130	124707	49.408	ug/l	97
45) 1,2-Dichloropropane	9.222	63	134143	50.559	ug/l	100
46) Dibromomethane	9.313	93	75023	50.488	ug/l	99
47) Bromodichloromethane	9.502	83	182361	51.821	ug/l	97
48) Methyl methacrylate	9.295	41	97414	51.122	ug/l	100
49) 1,4-Dioxane	9.313	88	18948	1038.971	ug/l	93
51) 4-Methyl-2-Pentanone	10.075	43	588202	254.630	ug/l	99
52) Toluene	10.246	92	295658	50.510	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	184349	50.809	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	204121	50.422	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	101584	50.264	ug/l	98
56) Ethyl methacrylate	10.514	69	143713	53.284	ug/l	97
57) 1,3-Dichloropropane	10.794	76	178278	51.274	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	224031	229.270	ug/l	98
59) 2-Hexanone	10.837	43	404313	246.231	ug/l	100
60) Dibromochloromethane	10.990	129	127861	52.212	ug/l	99
61) 1,2-Dibromoethane	11.093	107	96832	50.809	ug/l	100
64) Tetrachloroethene	10.721	164	106623	49.675	ug/l	98
65) Chlorobenzene	11.520	112	320752	50.084	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	126404	50.796	ug/l	99
67) Ethyl Benzene	11.599	91	580370	50.998	ug/l	99
68) m/p-Xylenes	11.703	106	432123	101.378	ug/l	98
69) o-Xylene	12.032	106	208049	51.310	ug/l	100
70) Styrene	12.044	104	357666	51.935	ug/l	100
71) Bromoform	12.209	173	84707	51.526	ug/l #	98
73) Isopropylbenzene	12.331	105	554826	50.810	ug/l	99
74) N-amyl acetate	12.148	43	182656	49.291	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	129961	50.240	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	162448	83.216	ug/l #	100
77) Bromobenzene	12.611	156	135260	51.349	ug/l	98
78) n-propylbenzene	12.672	91	683034	50.778	ug/l	99
79) 2-Chlorotoluene	12.758	91	386586	50.923	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	457358	51.365	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	42780	48.790	ug/l	98
82) 4-Chlorotoluene	12.855	91	395542	50.018	ug/l	99
83) tert-Butylbenzene	13.081	119	404519	52.170	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	452376	51.837	ug/l	100
85) sec-Butylbenzene	13.257	105	596834	51.015	ug/l	100
86) p-Isopropyltoluene	13.373	119	482145	51.036	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	257108	50.137	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	256644	49.772	ug/l	99
89) n-Butylbenzene	13.696	91	459747	49.638	ug/l	100
90) Hexachloroethane	13.965	117	98290	49.235	ug/l	97
91) 1,2-Dichlorobenzene	13.745	146	232725	50.964	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	20348	48.547	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	132374	48.849	ug/l	100
94) Hexachlorobutadiene	15.111	225	79925	47.479	ug/l	99
95) Naphthalene	15.239	128	269364	50.083	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	116147	47.638	ug/l	99

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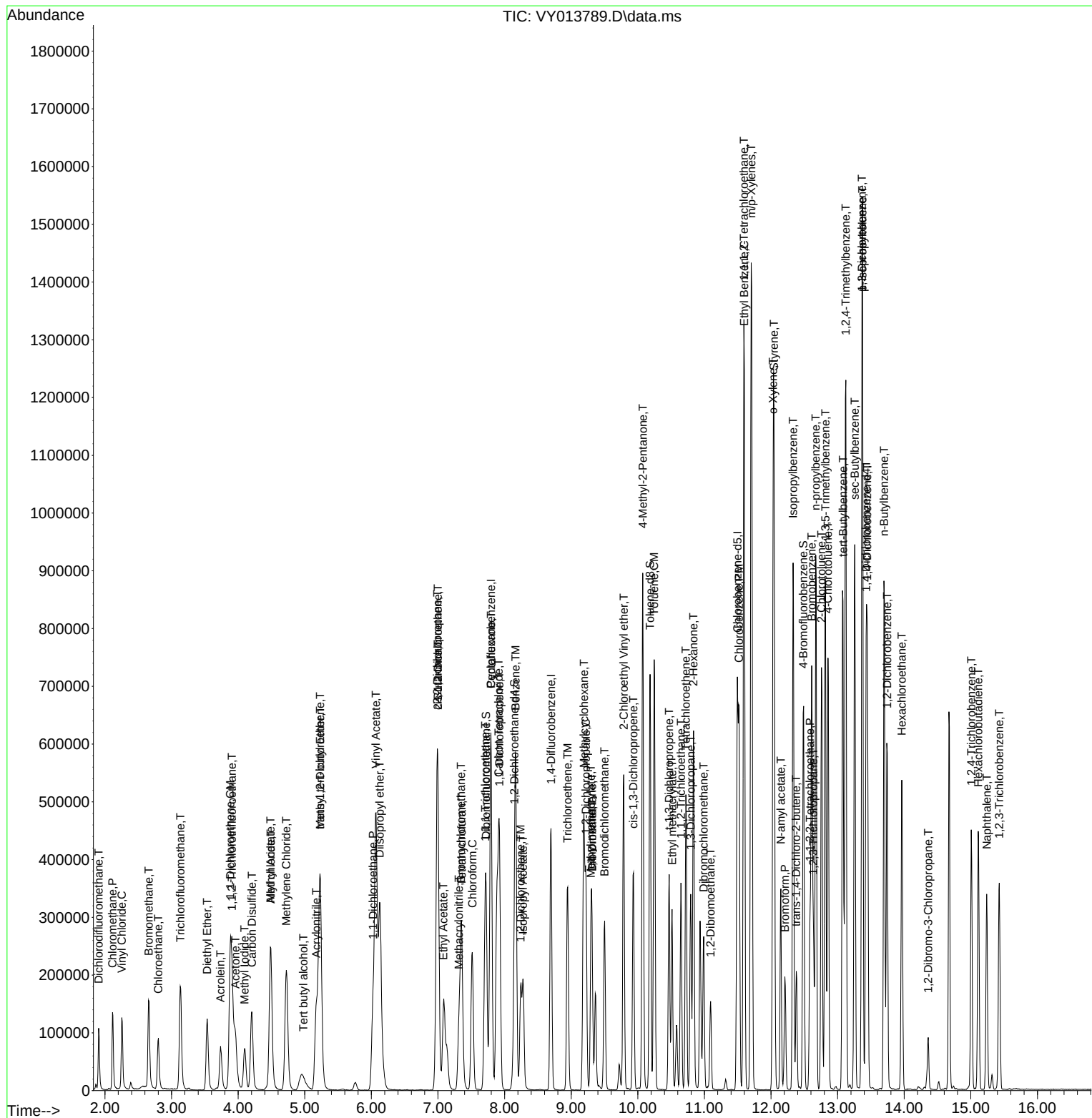
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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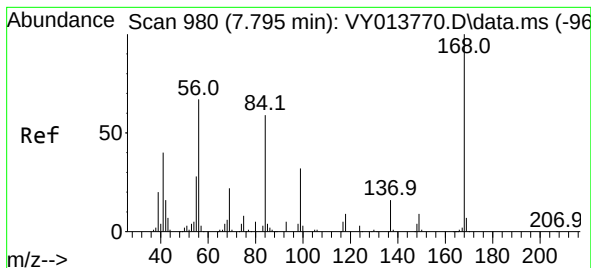
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.795 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY013789.D

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Instrument :

MSVOA_Y

ClientSampleId :

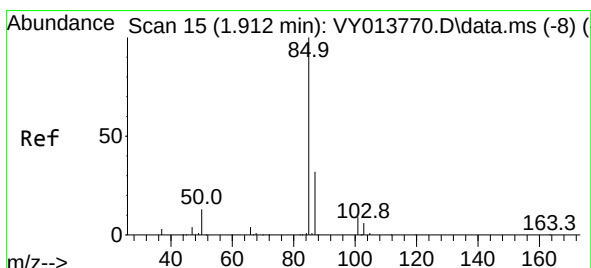
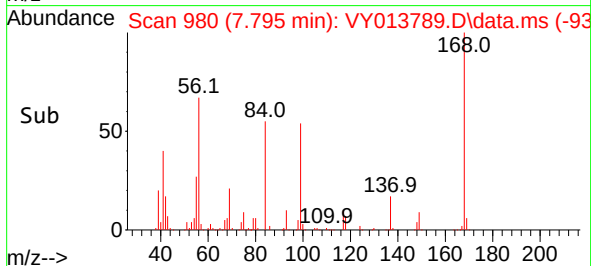
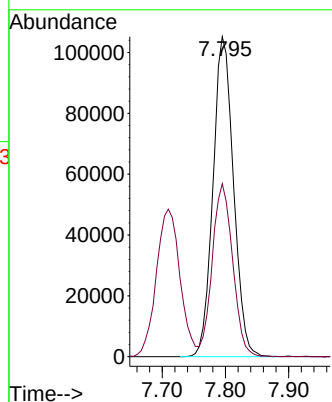
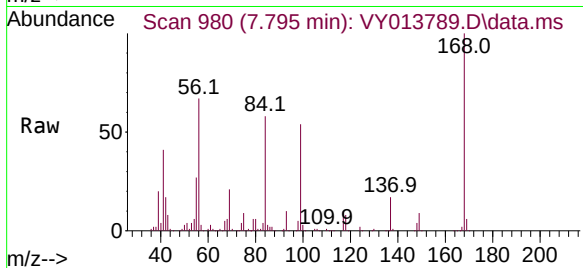
VSTDCCC050EC

Tgt Ion:168 Resp: 236550

Ion Ratio Lower Upper

168 100

99 54.0 44.0 66.0



#2

Dichlorodifluoromethane

Concen: 50.084 ug/l

RT: 1.906 min Scan# 14

Delta R.T. -0.006 min

Lab File: VY013789.D

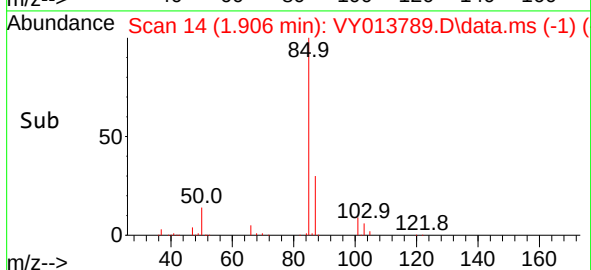
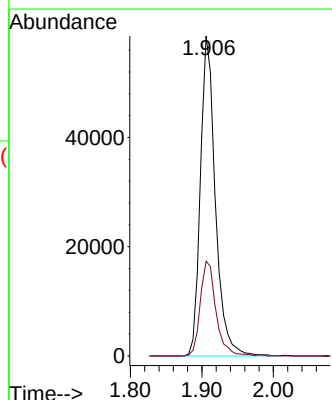
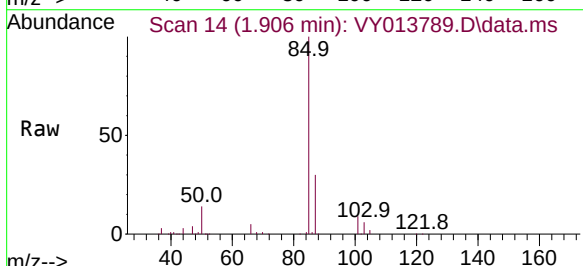
Acq: 17 May 2023 20:20

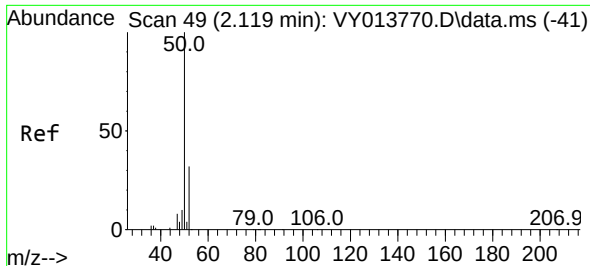
Tgt Ion: 85 Resp: 85062

Ion Ratio Lower Upper

85 100

87 29.6 16.1 48.2

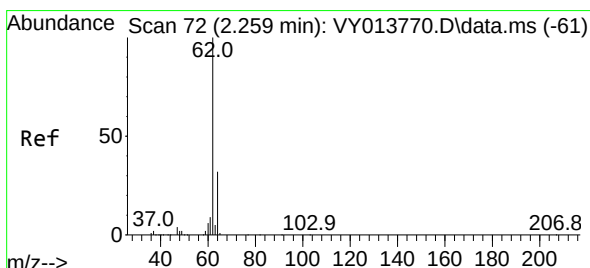
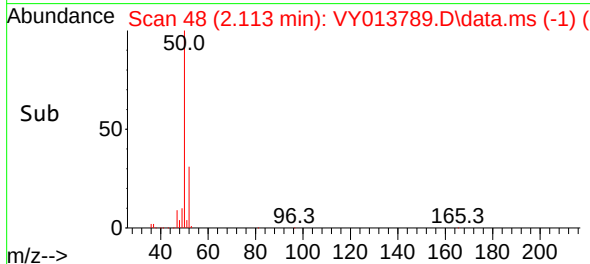
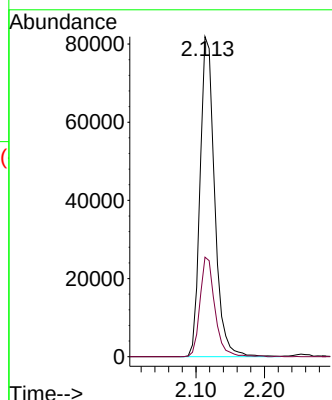
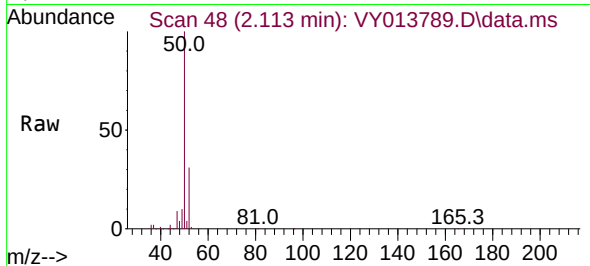




#3
Chloromethane
Concen: 47.039 ug/l
RT: 2.113 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013789.D
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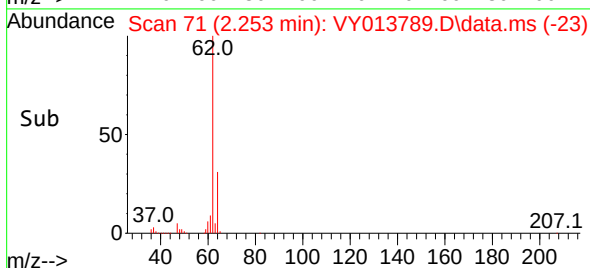
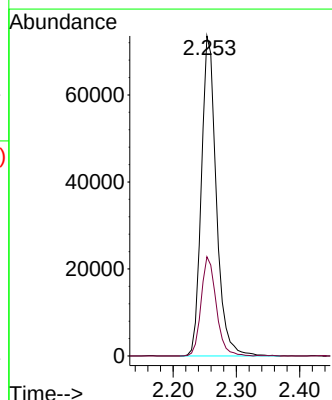
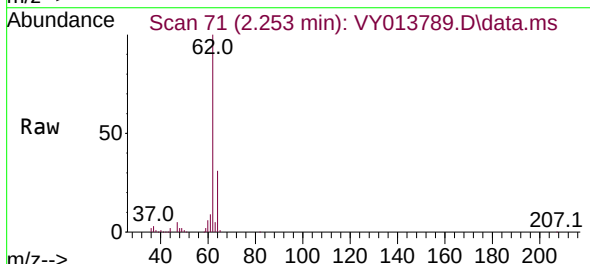
Instrument :
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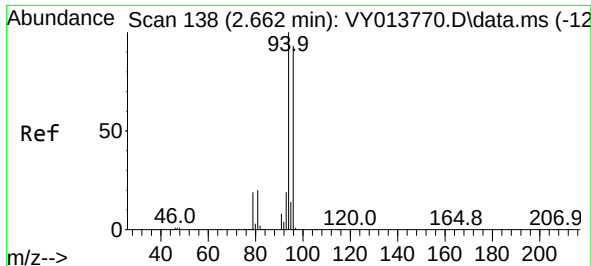
Tgt Ion: 50 Resp: 121118
Ion Ratio Lower Upper
50 100
52 31.1 26.0 39.0



#4
Vinyl Chloride
Concen: 47.098 ug/l
RT: 2.253 min Scan# 71
Delta R.T. -0.006 min
Lab File: VY013789.D
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Tgt Ion: 62 Resp: 121094
Ion Ratio Lower Upper
62 100
64 31.0 25.8 38.6

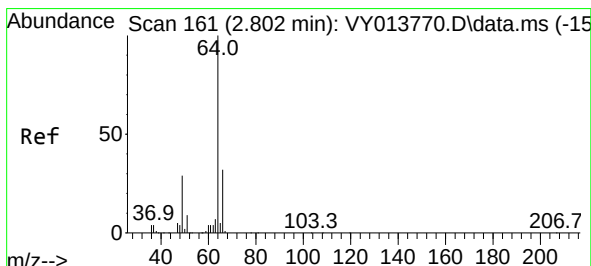
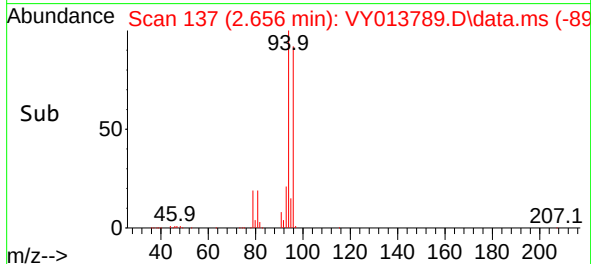
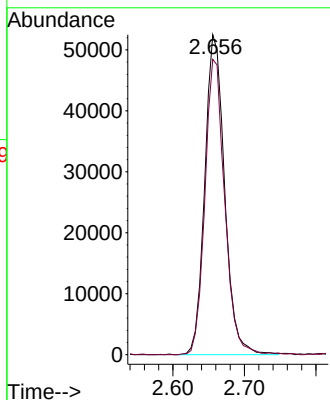
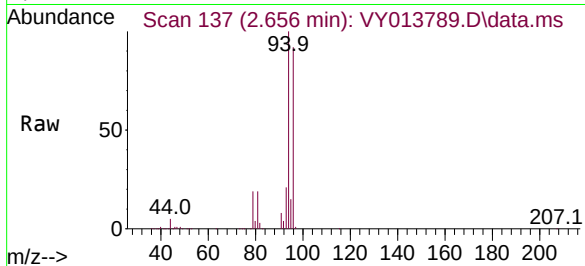




#5
Bromomethane
Concen: 44.314 ug/l
RT: 2.656 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013789.D
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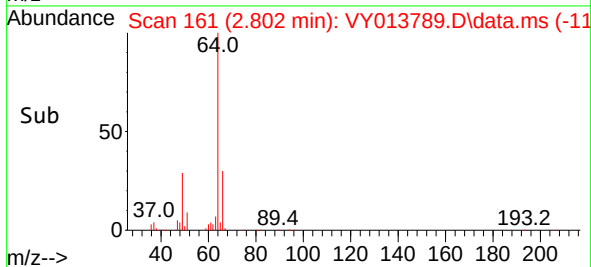
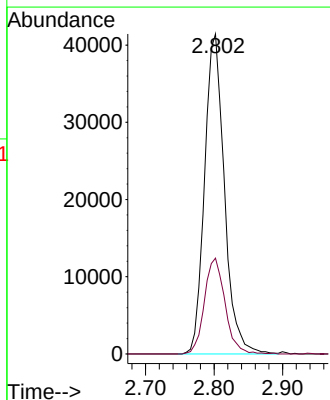
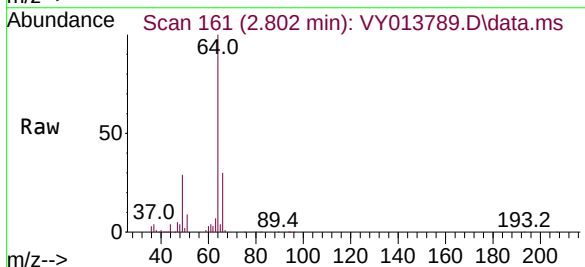
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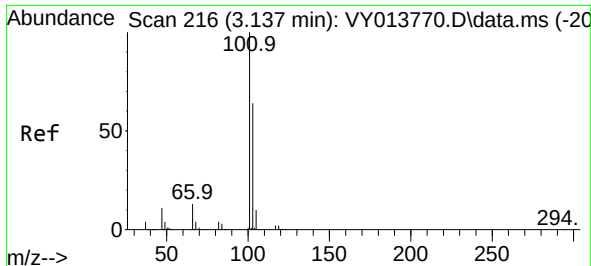
Tgt Ion: 94 Resp: 101034
Ion Ratio Lower Upper
94 100
96 92.3 74.2 111.4



#6
Chloroethane
Concen: 47.276 ug/l
RT: 2.802 min Scan# 161
Delta R.T. 0.000 min
Lab File: VY013789.D
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Tgt Ion: 64 Resp: 83550
Ion Ratio Lower Upper
64 100
66 29.9 25.8 38.6

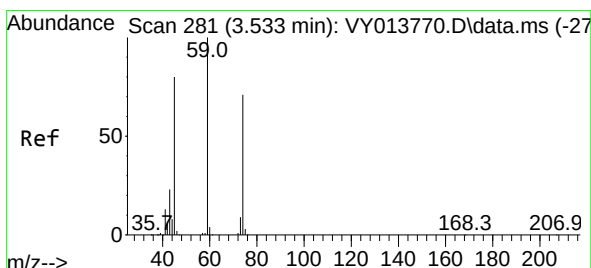
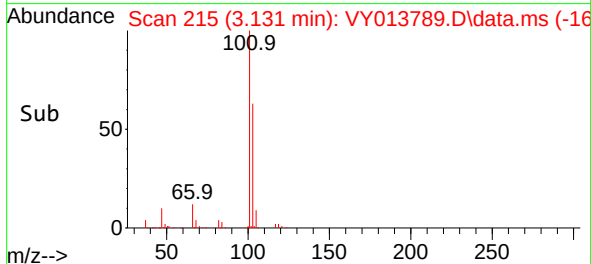
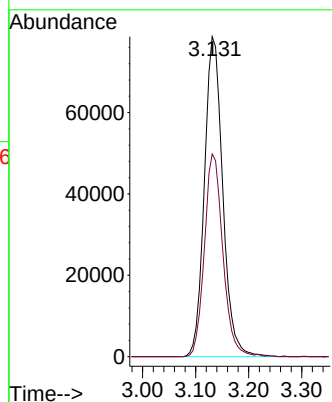
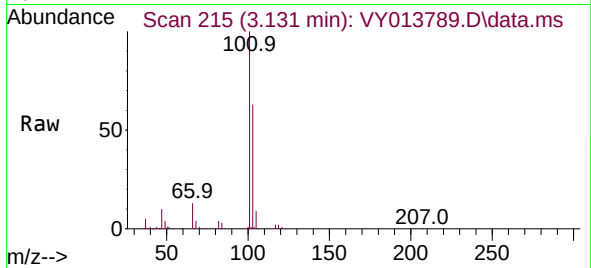




#7
Trichlorofluoromethane
Concen: 50.549 ug/l
RT: 3.131 min Scan# 216
Delta R.T. -0.006 min
Lab File: VY013789.D
Acq: 17 May 2023 20:20

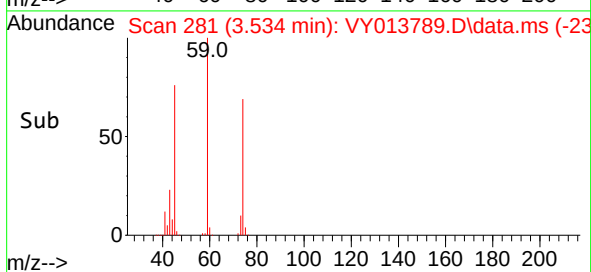
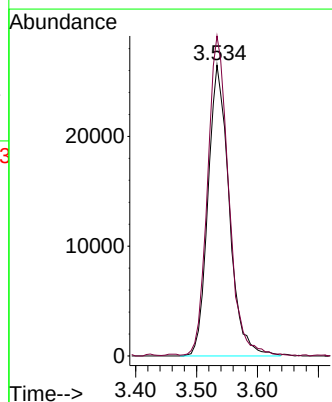
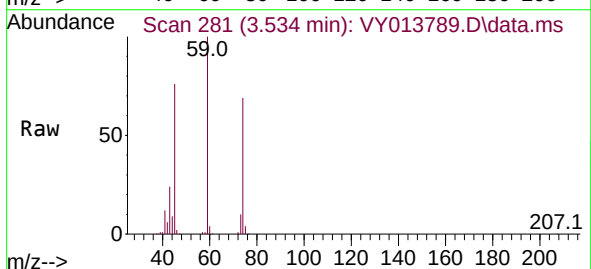
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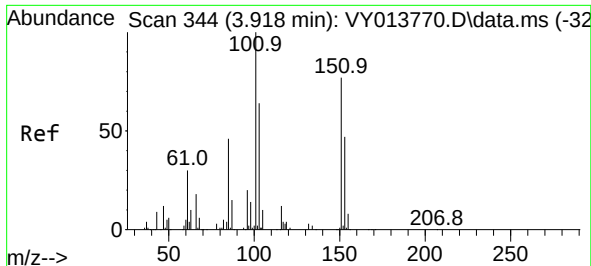
Tgt Ion:101 Resp: 189156
Ion Ratio Lower Upper
101 100
103 63.3 51.4 77.0



#8
Diethyl Ether
Concen: 51.091 ug/l
RT: 3.534 min Scan# 281
Delta R.T. 0.000 min
Lab File: VY013789.D
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Tgt Ion: 74 Resp: 63973
Ion Ratio Lower Upper
74 100
45 110.7 56.1 168.3

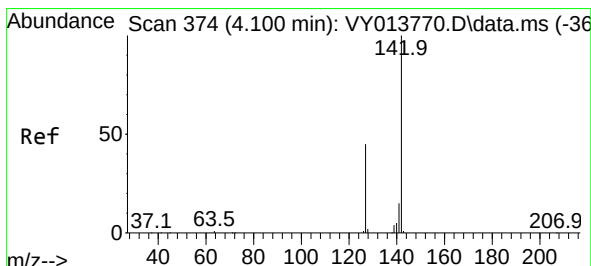
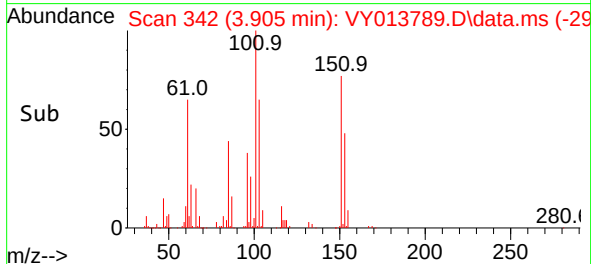
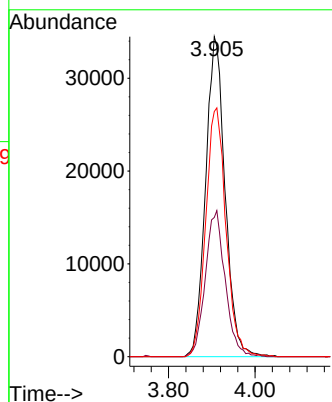
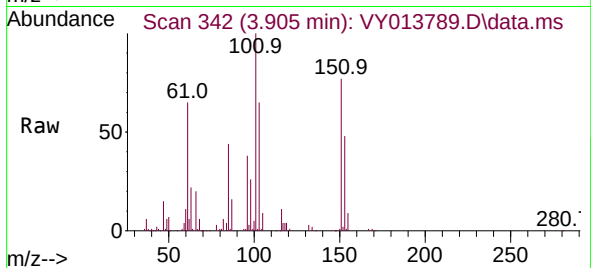




#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.197 ug/l
RT: 3.905 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY013789.D
Acq: 17 May 2023 20:20

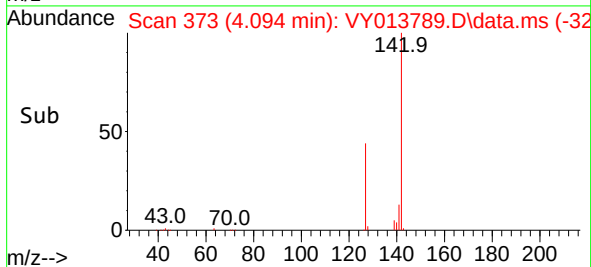
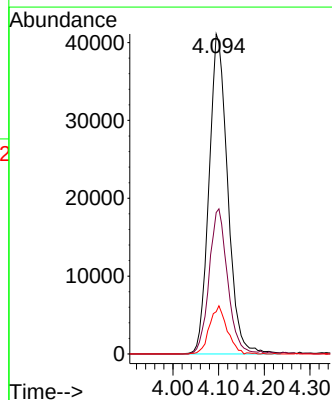
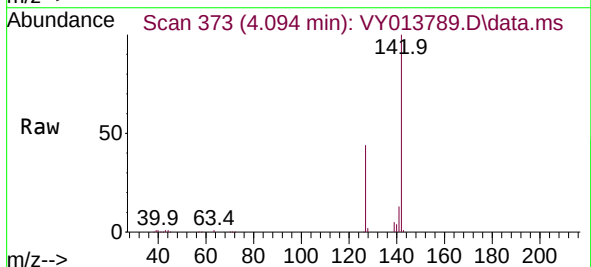
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

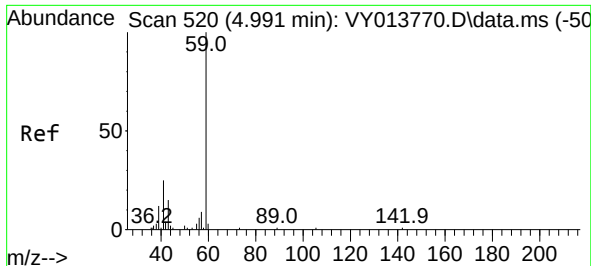
Tgt Ion:101 Resp: 107744
Ion Ratio Lower Upper
101 100
85 46.6 37.8 56.8
151 80.8 64.2 96.2



#10
Methyl Iodide
Concen: 48.390 ug/l
RT: 4.094 min Scan# 373
Delta R.T. -0.006 min
Lab File: VY013789.D
Acq: 17 May 2023 20:20

Tgt Ion:142 Resp: 116431
Ion Ratio Lower Upper
142 100
127 45.0 35.4 53.2
141 14.2 11.5 17.3





#11

Tert butyl alcohol

Concen: 319.973 ug/l

RT: 4.978 min Scan# 51

Delta R.T. -0.012 min

Lab File: VY013789.D

Acq: 17 May 2023 20:20

Instrument :

MSVOA_Y

ClientSampleId :

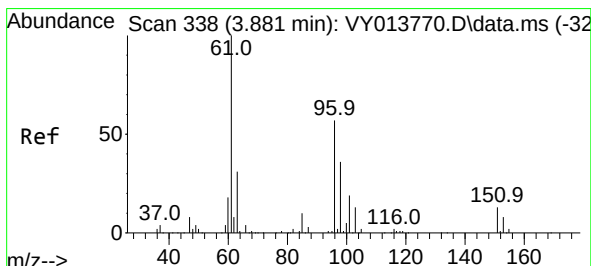
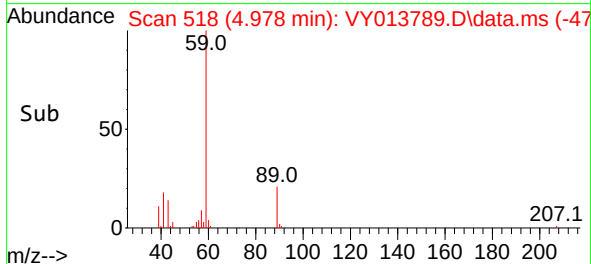
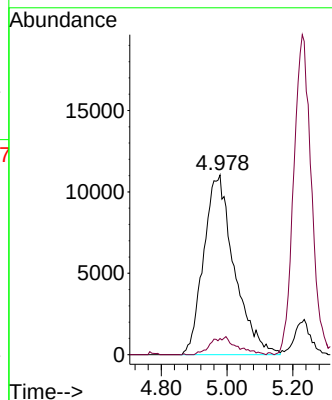
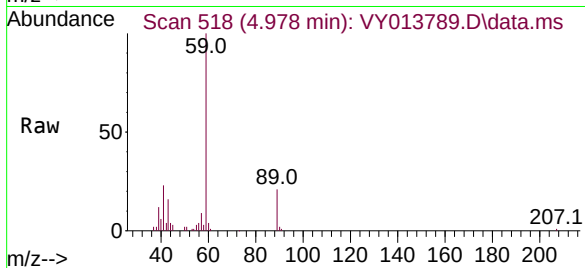
VSTDCCC050EC

Tgt Ion: 59 Resp: 71229

Ion Ratio Lower Upper

59 100

57 3.0 8.0 12.0#



#12

1,1-Dichloroethene

Concen: 49.395 ug/l

RT: 3.881 min Scan# 338

Delta R.T. 0.000 min

Lab File: VY013789.D

Acq: 17 May 2023 20:20

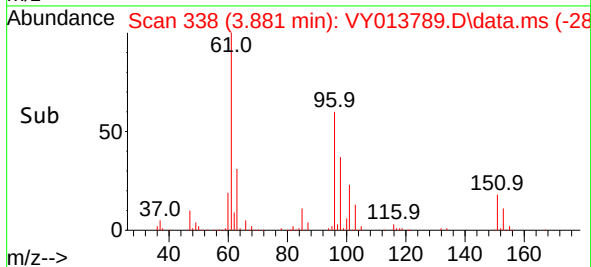
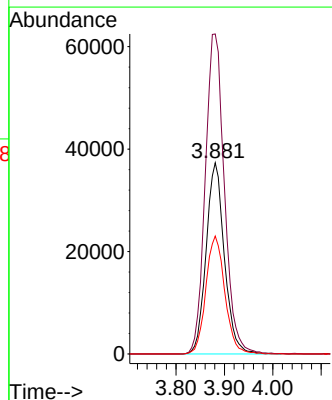
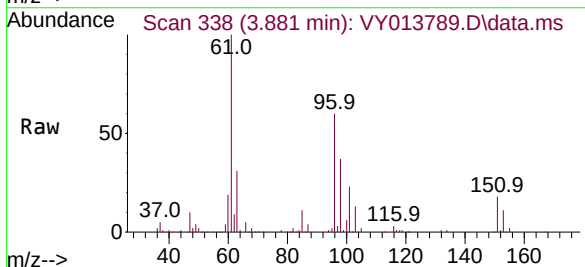
Tgt Ion: 96 Resp: 98053

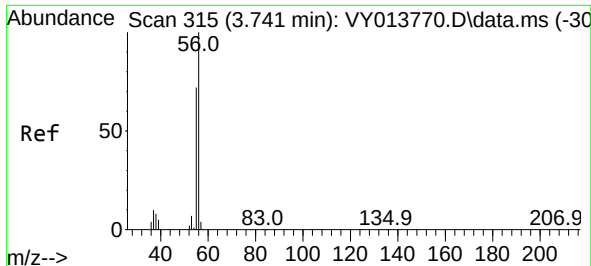
Ion Ratio Lower Upper

96 100

61 167.3 139.8 209.6

98 61.7 49.7 74.5

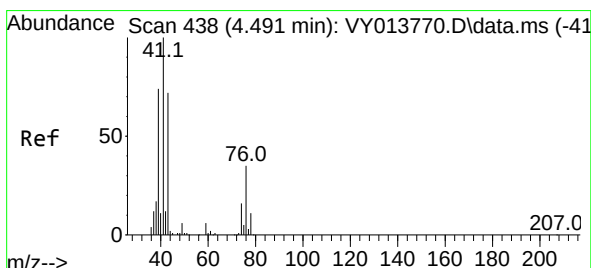
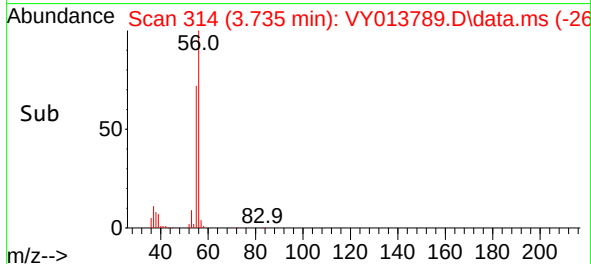
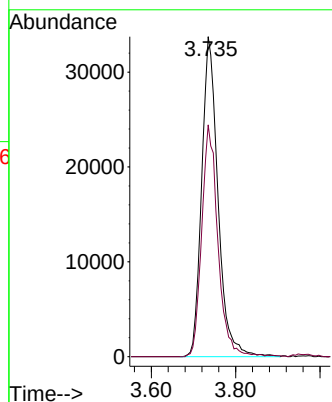
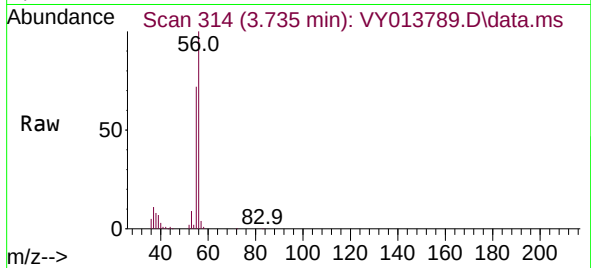




#13
Acrolein
Concen: 228.296 ug/l
RT: 3.735 min Scan# 315
Delta R.T. -0.006 min
Lab File: VY013789.D
Acq: 17 May 2023 20:20

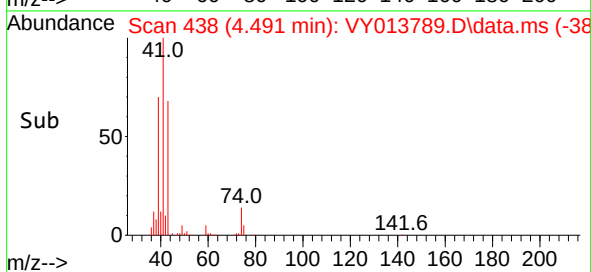
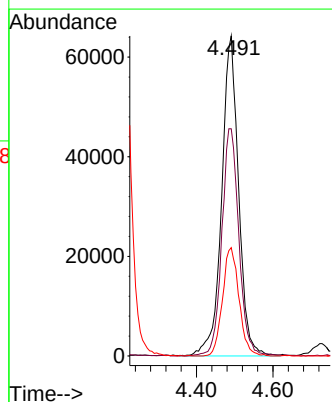
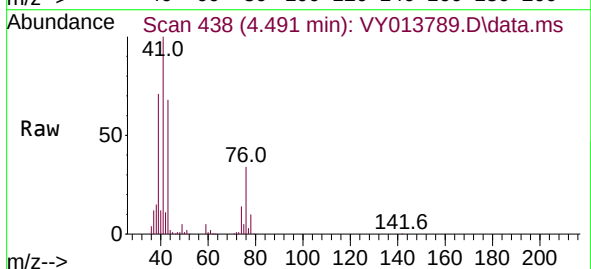
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

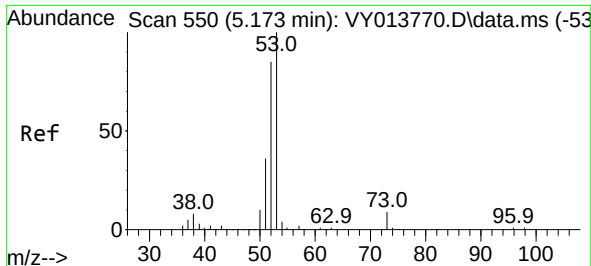
Tgt Ion: 56 Resp: 90789
Ion Ratio Lower Upper
56 100
55 71.7 57.5 86.3



#14
Allyl chloride
Concen: 50.556 ug/l
RT: 4.491 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY013789.D
Acq: 17 May 2023 20:20

Tgt Ion: 41 Resp: 197696
Ion Ratio Lower Upper
41 100
39 71.4 55.8 83.6
76 32.9 26.2 39.2

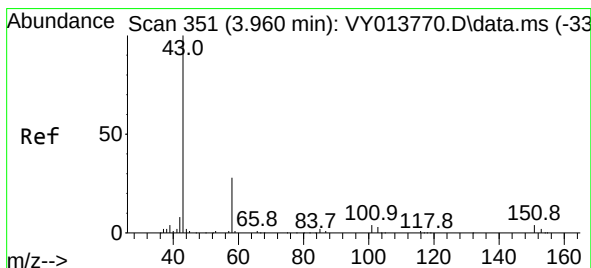
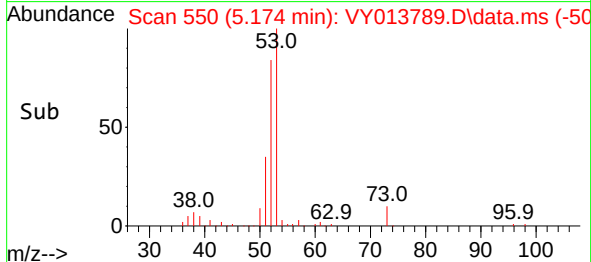
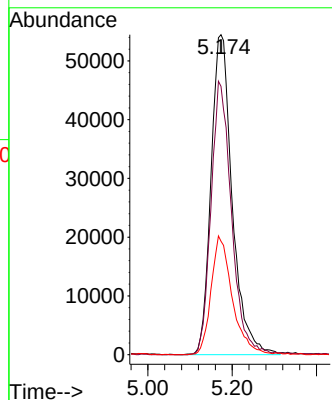
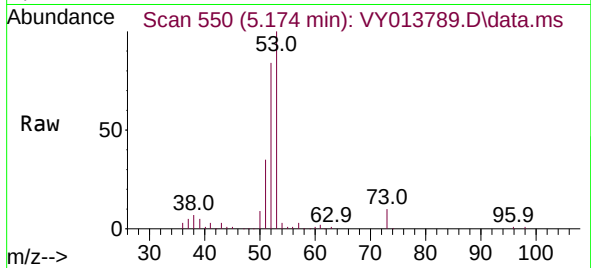




#15
Acrylonitrile
Concen: 259.015 ug/l
RT: 5.174 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY013789.D
Acq: 17 May 2023 20:20

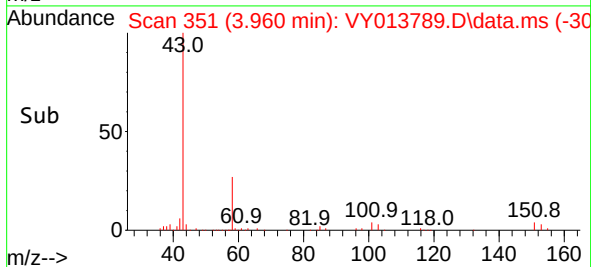
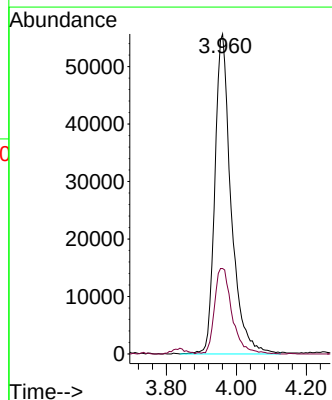
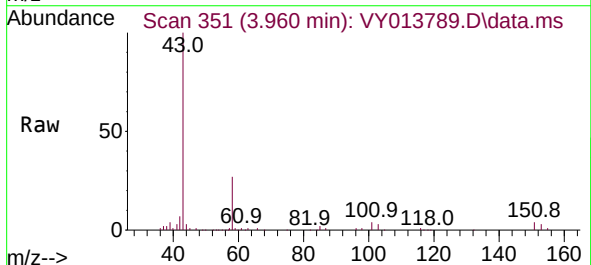
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

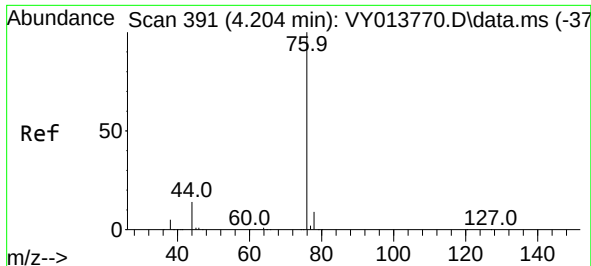
Tgt Ion: 53 Resp: 190195
Ion Ratio Lower Upper
53 100
52 82.8 66.5 99.7
51 37.0 30.1 45.1



#16
Acetone
Concen: 217.228 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY013789.D
Acq: 17 May 2023 20:20

Tgt Ion: 43 Resp: 180095
Ion Ratio Lower Upper
43 100
58 26.7 23.7 35.5

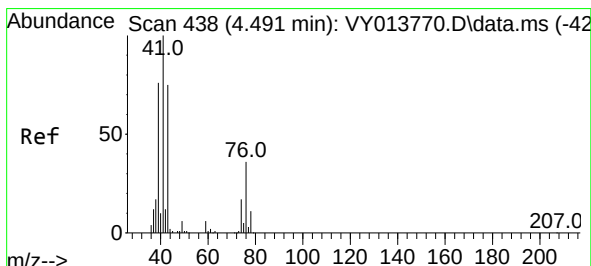
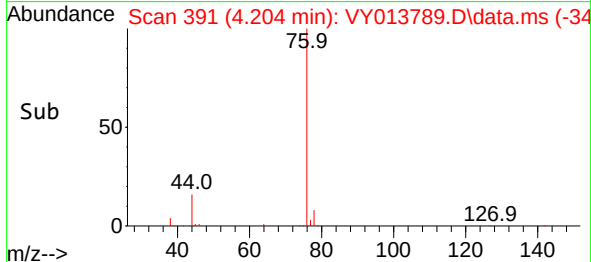
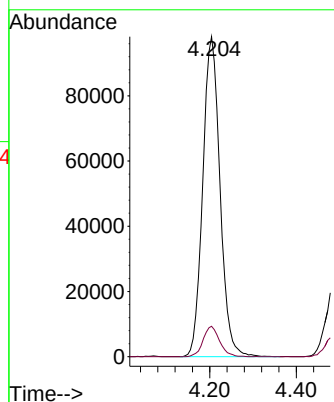
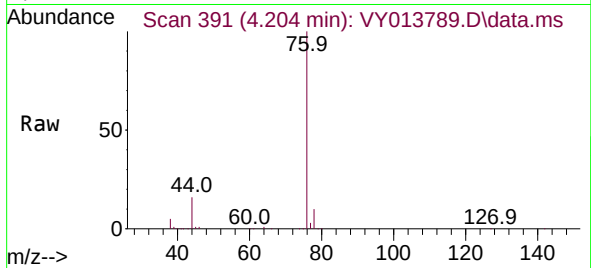




#17
Carbon Disulfide
Concen: 47.573 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY013789.D
Acq: 17 May 2023 20:20

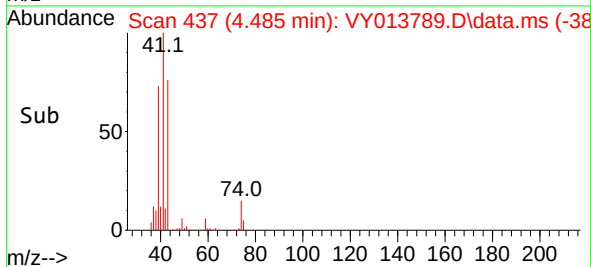
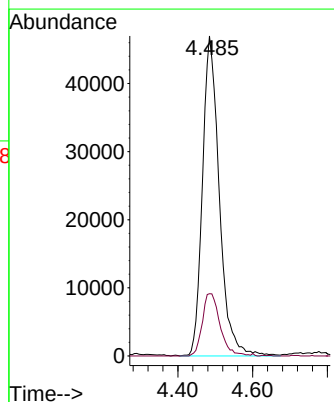
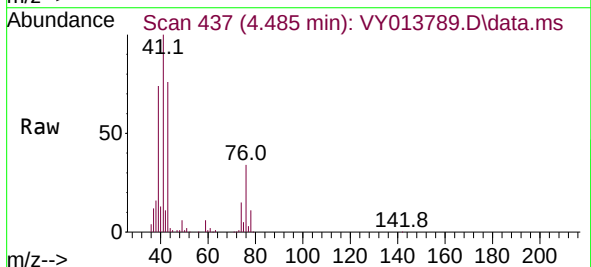
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

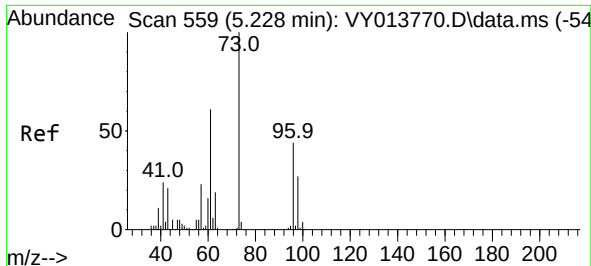
Tgt Ion: 76 Resp: 271363
Ion Ratio Lower Upper
76 100
78 9.5 7.5 11.3



#18
Methyl Acetate
Concen: 50.832 ug/l
RT: 4.485 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY013789.D
Acq: 17 May 2023 20:20

Tgt Ion: 43 Resp: 146924
Ion Ratio Lower Upper
43 100
74 20.5 16.6 25.0





#19

Methyl tert-butyl Ether

Concen: 53.098 ug/l

RT: 5.228 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY013789.D

Acq: 17 May 2023 20:20

Instrument :

MSVOA_Y

ClientSampleId :

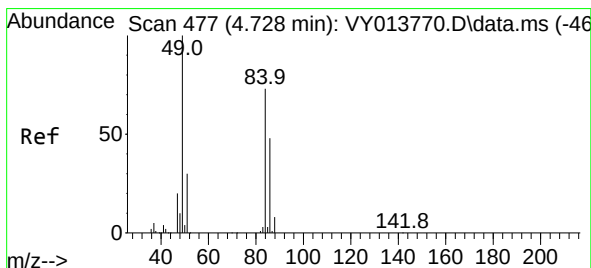
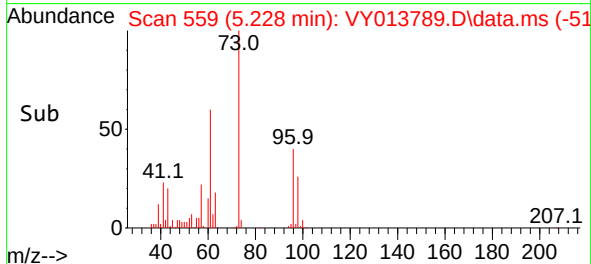
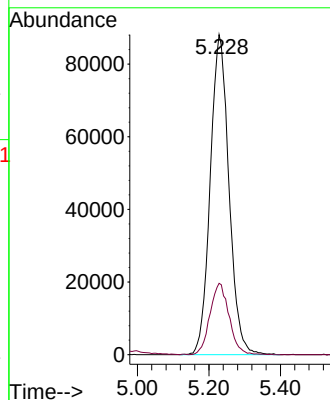
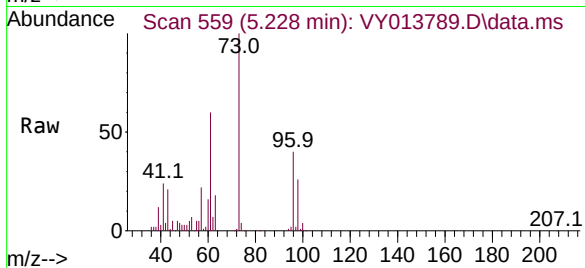
VSTDCCC050EC

Tgt Ion: 73 Resp: 319788

Ion Ratio Lower Upper

73 100

57 22.3 18.6 27.8



#20

Methylene Chloride

Concen: 62.519 ug/l

RT: 4.722 min Scan# 476

Delta R.T. -0.006 min

Lab File: VY013789.D

Acq: 17 May 2023 20:20

Tgt Ion: 84 Resp: 152421

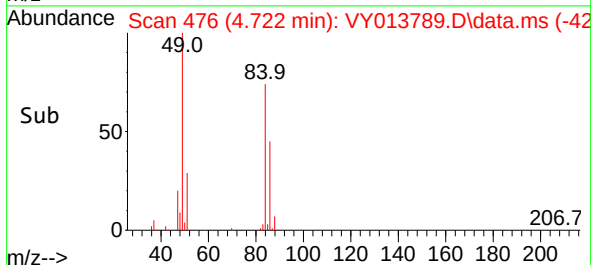
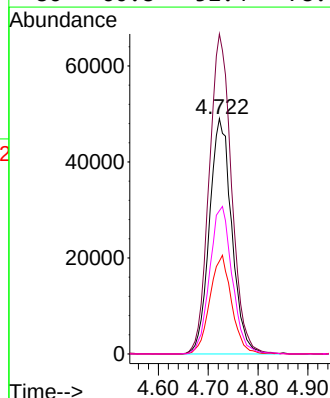
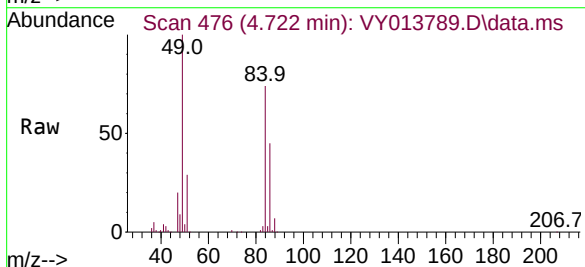
Ion Ratio Lower Upper

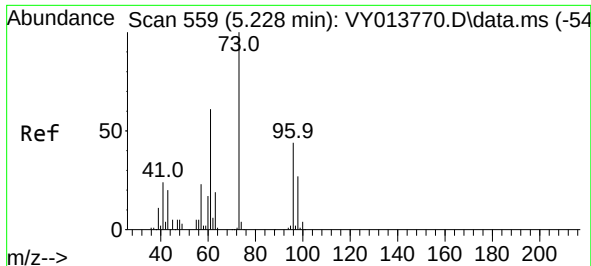
84 100

49 135.9 109.4 164.0

51 39.4 32.8 49.2

86 60.8 52.4 78.6

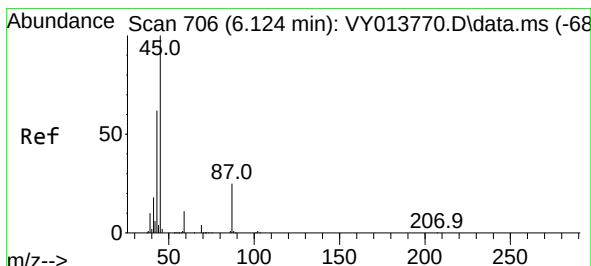
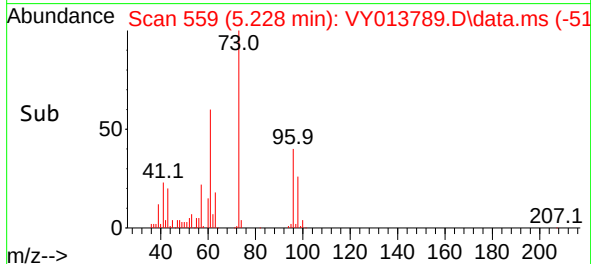
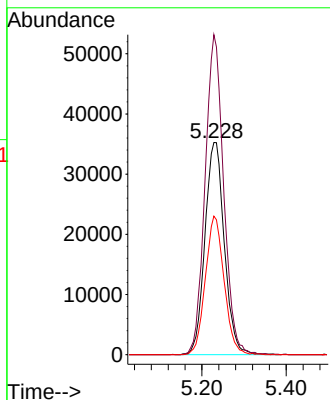
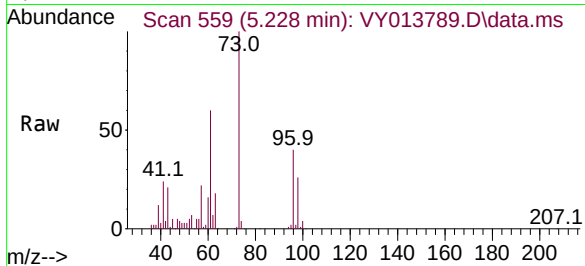




#21
trans-1,2-Dichloroethene
Concen: 50.458 ug/l
RT: 5.228 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY013789.D
Acq: 17 May 2023 20:20

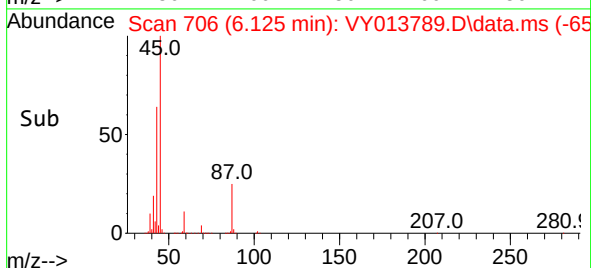
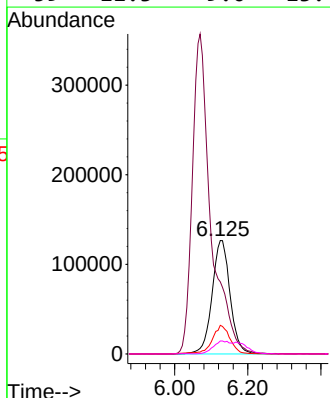
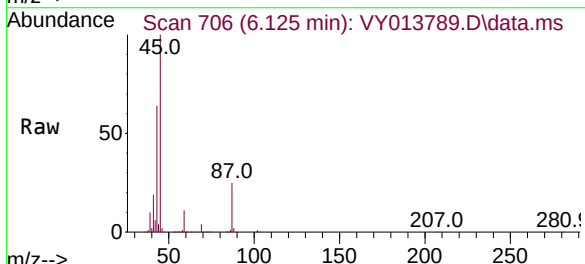
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

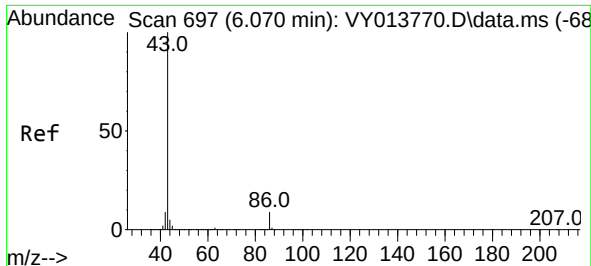
Tgt Ion: 96 Resp: 112786
Ion Ratio Lower Upper
96 100
61 150.8 110.8 166.2
98 65.3 48.6 72.8



#22
Diisopropyl ether
Concen: 51.966 ug/l
RT: 6.125 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY013789.D
Acq: 17 May 2023 20:20

Tgt Ion: 45 Resp: 432244
Ion Ratio Lower Upper
45 100
43 63.2 49.7 74.5
87 25.3 19.9 29.9
59 11.3 9.0 13.4

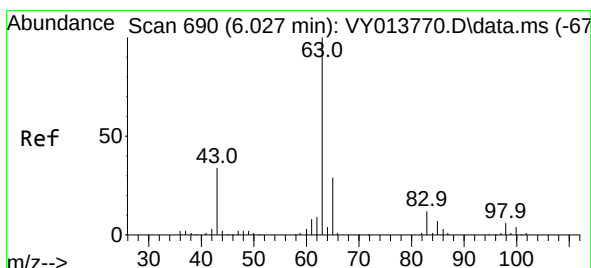
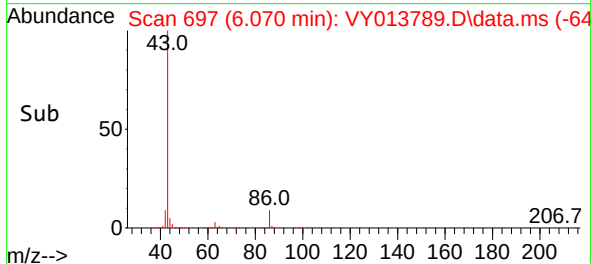
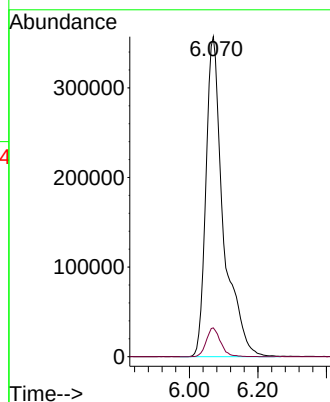
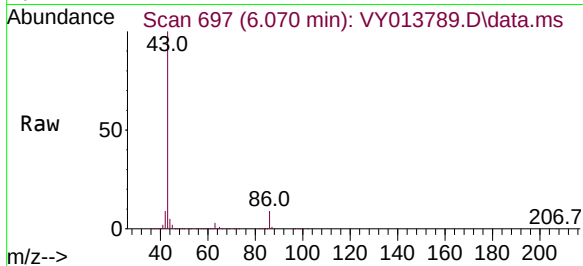




#23
 Vinyl Acetate
 Concen: 262.665 ug/l
 RT: 6.070 min Scan# 697
 Delta R.T. 0.000 min
 Lab File: VY013789.D
 Acq: 17 May 2023 20:20

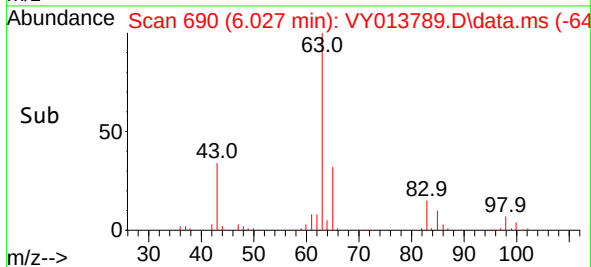
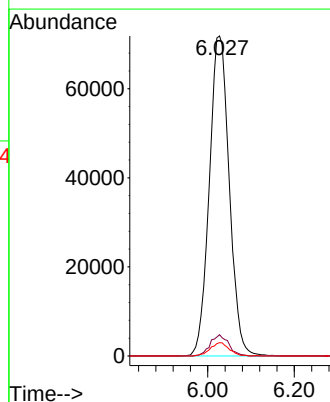
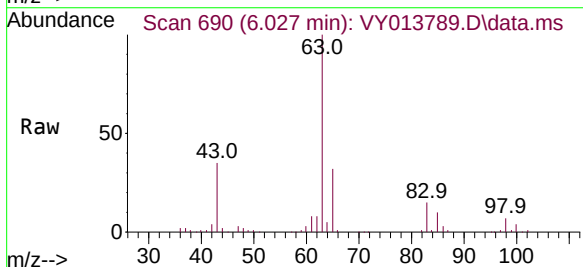
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

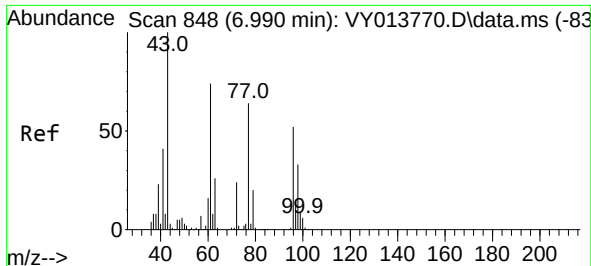
Tgt Ion: 43 Resp: 1264282
 Ion Ratio Lower Upper
 43 100
 86 9.0 7.0 10.4



#24
 1,1-Dichloroethane
 Concen: 50.595 ug/l
 RT: 6.027 min Scan# 690
 Delta R.T. 0.000 min
 Lab File: VY013789.D
 Acq: 17 May 2023 20:20

Tgt Ion: 63 Resp: 230059
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.0 9.0
 100 4.1 2.0 6.0

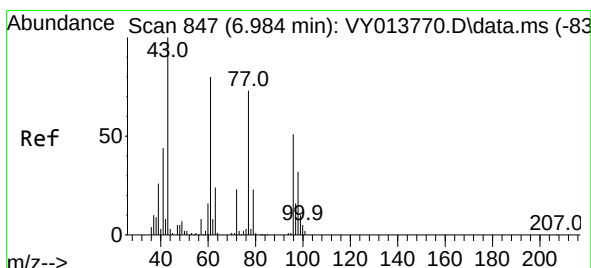
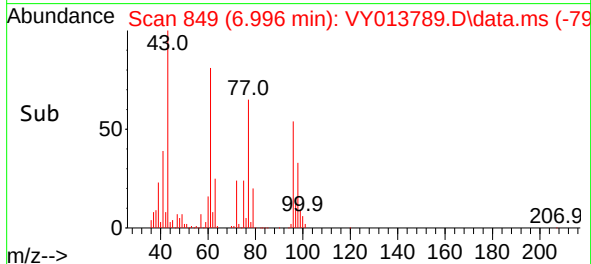
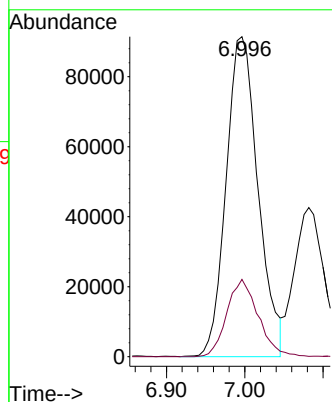
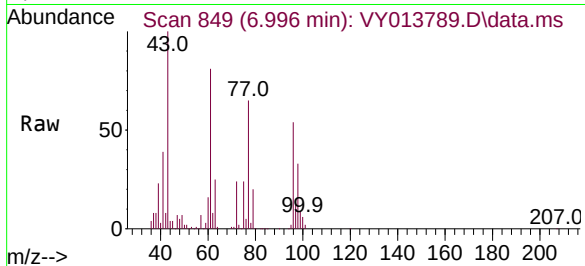




#25
2-Butanone
Concen: 240.545 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY013789.D
Acq: 17 May 2023 20:20

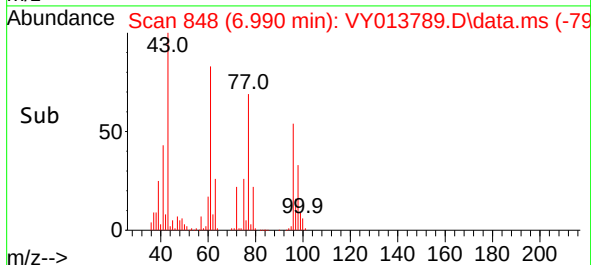
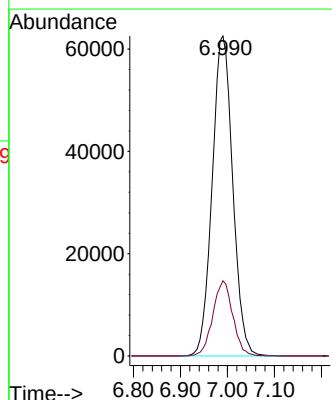
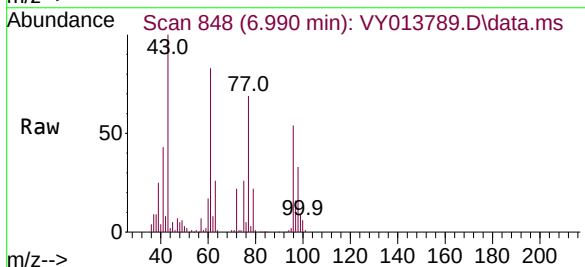
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

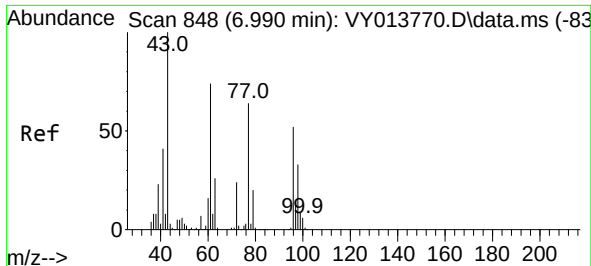
Tgt Ion: 43 Resp: 259244
Ion Ratio Lower Upper
43 100
72 24.2 19.0 28.6



#26
2,2-Dichloropropane
Concen: 48.928 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY013789.D
Acq: 17 May 2023 20:20

Tgt Ion: 77 Resp: 190037
Ion Ratio Lower Upper
77 100
97 22.8 11.3 33.8

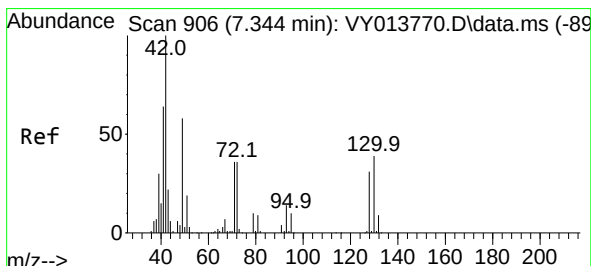
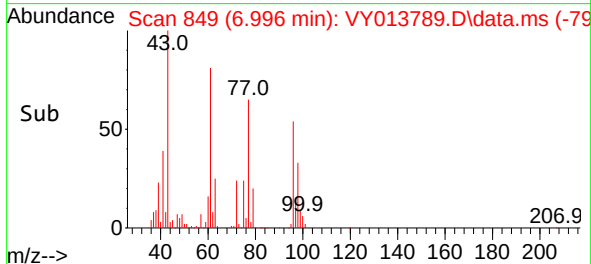
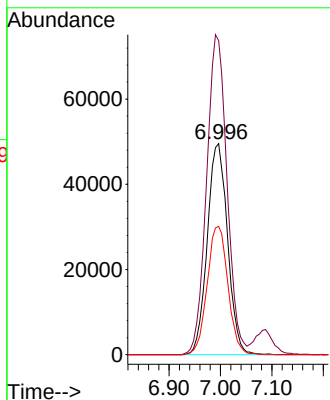
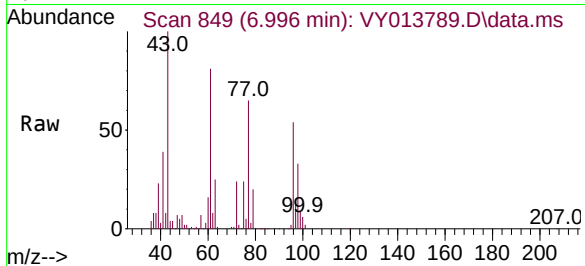




#27
 cis-1,2-Dichloroethene
 Concen: 51.639 ug/l
 RT: 6.996 min Scan# 849
 Delta R.T. 0.006 min
 Lab File: VY013789.D
 Acq: 17 May 2023 20:20

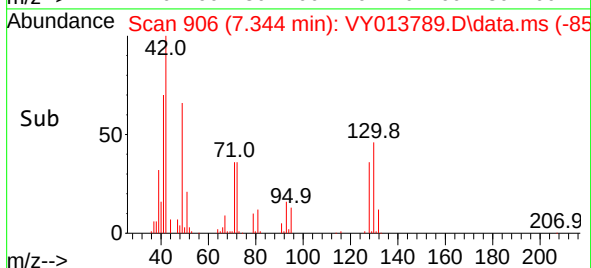
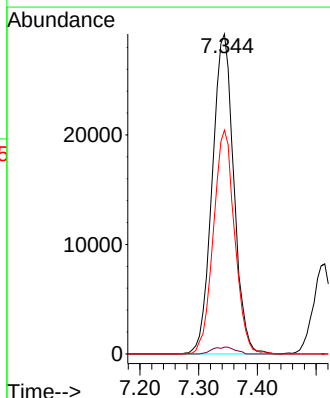
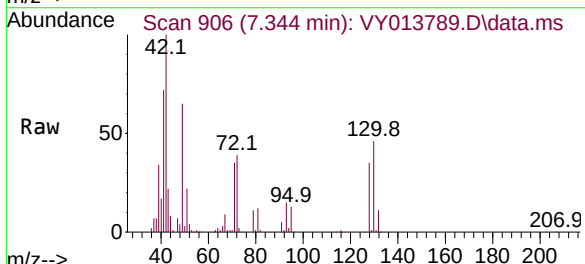
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

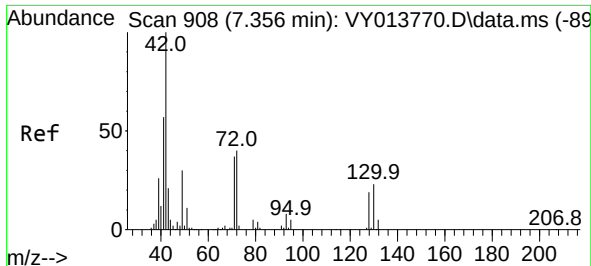
Tgt Ion: 96 Resp: 136007
 Ion Ratio Lower Upper
 96 100
 61 152.5 0.0 300.6
 98 62.2 0.0 127.8



#28
 Bromochloromethane
 Concen: 46.740 ug/l
 RT: 7.344 min Scan# 906
 Delta R.T. 0.000 min
 Lab File: VY013789.D
 Acq: 17 May 2023 20:20

Tgt Ion: 49 Resp: 74362
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.2
 130 69.2 54.4 81.6





#29

Tetrahydrofuran

Concen: 256.417 ug/l

RT: 7.356 min Scan# 908

Delta R.T. 0.000 min

Lab File: VY013789.D

Acq: 17 May 2023 20:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

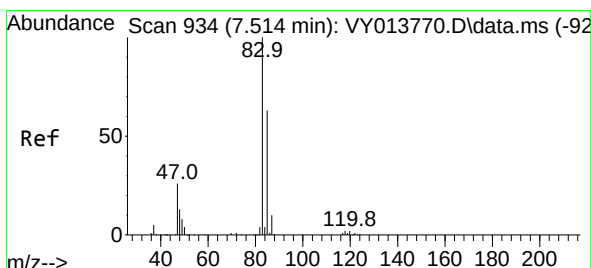
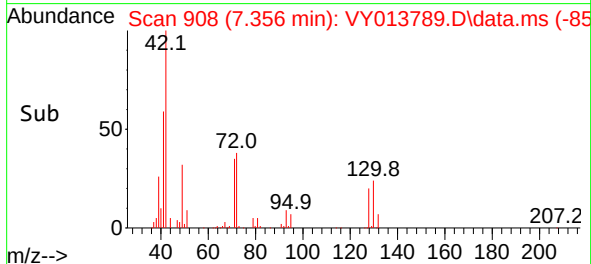
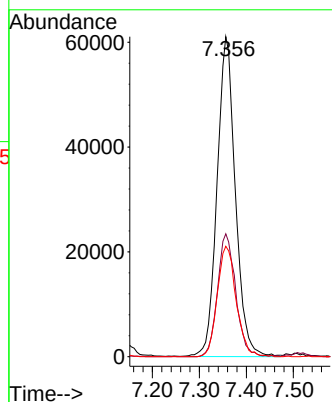
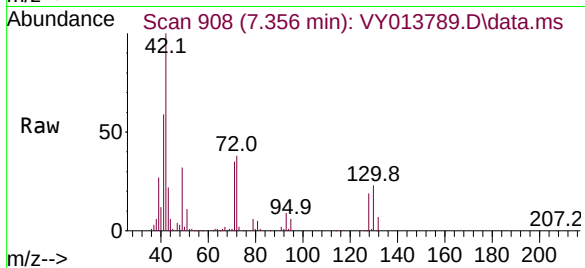
Tgt Ion: 42 Resp: 165353

Ion Ratio Lower Upper

42 100

72 38.1 30.7 46.1

71 35.7 29.0 43.6



#30

Chloroform

Concen: 50.683 ug/l

RT: 7.515 min Scan# 934

Delta R.T. 0.000 min

Lab File: VY013789.D

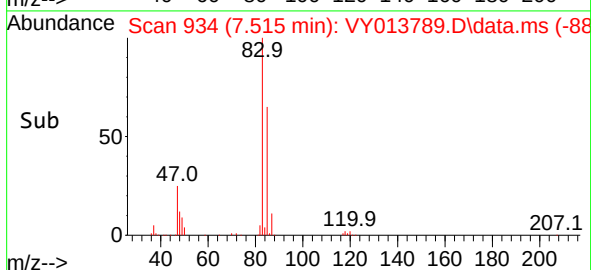
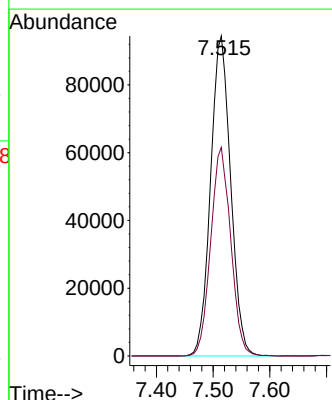
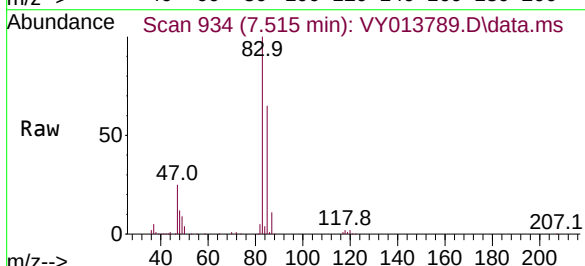
Acq: 17 May 2023 20:20

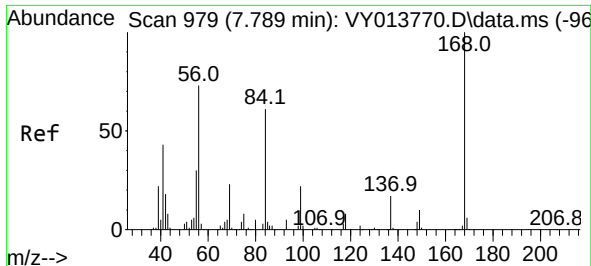
Tgt Ion: 83 Resp: 232235

Ion Ratio Lower Upper

83 100

85 65.2 50.5 75.7

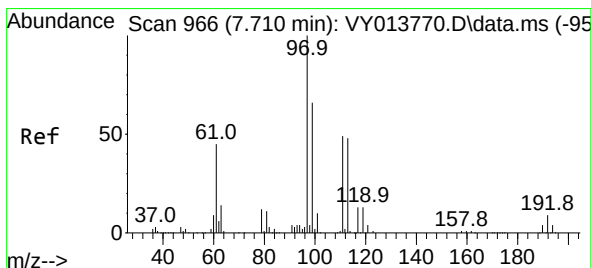
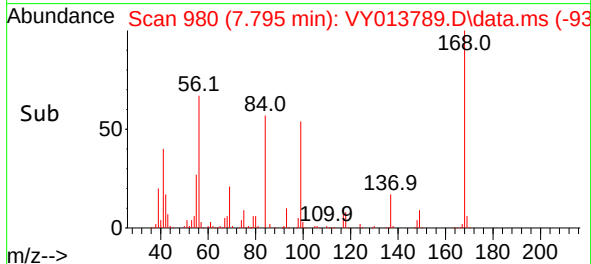
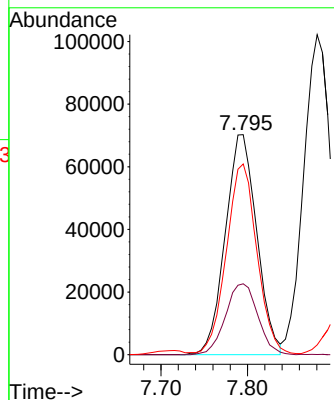
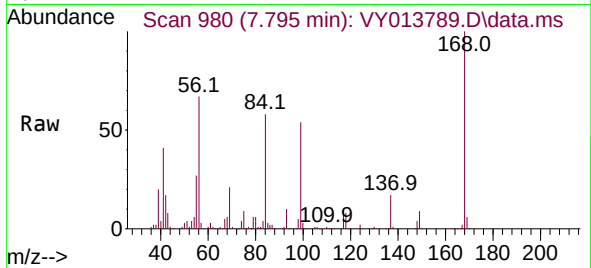




#31
Cyclohexane
Concen: 45.038 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013789.D
Acq: 17 May 2023 20:20

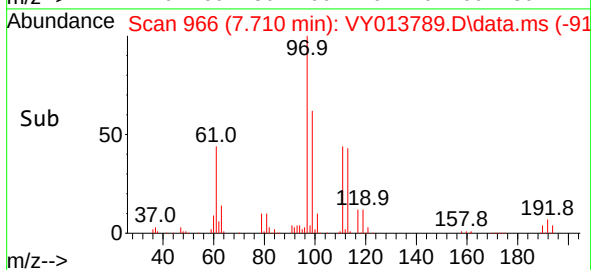
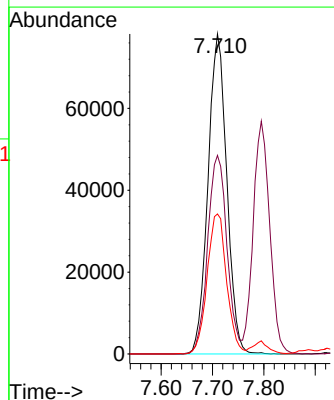
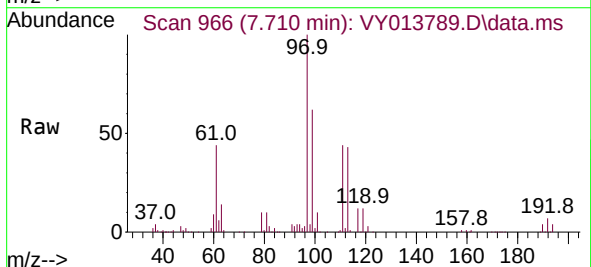
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

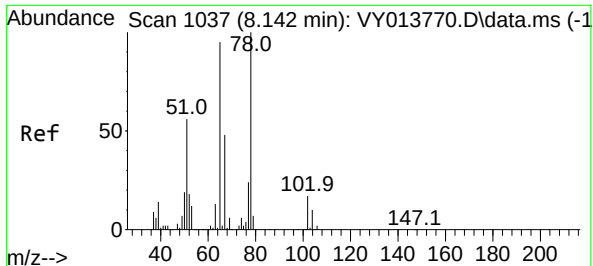
Tgt Ion: 56 Resp: 177444
Ion Ratio Lower Upper
56 100
69 32.2 25.8 38.6
84 85.0 65.8 98.6



#32
1,1,1-Trichloroethane
Concen: 50.690 ug/l
RT: 7.710 min Scan# 966
Delta R.T. 0.000 min
Lab File: VY013789.D
Acq: 17 May 2023 20:20

Tgt Ion: 97 Resp: 198263
Ion Ratio Lower Upper
97 100
99 64.3 51.7 77.5
61 45.4 36.6 54.8





#33

1,2-Dichloroethane-d4

Concen: 52.205 ug/l

RT: 8.149 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY013789.D

Acq: 17 May 2023 20:20

Instrument :

MSVOA_Y

ClientSampleId :

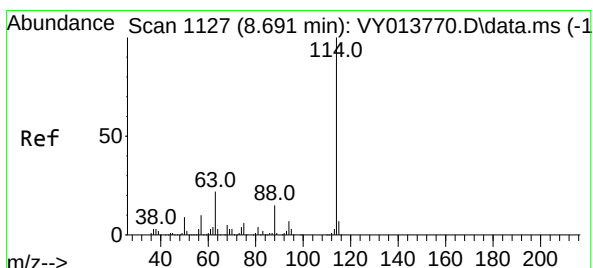
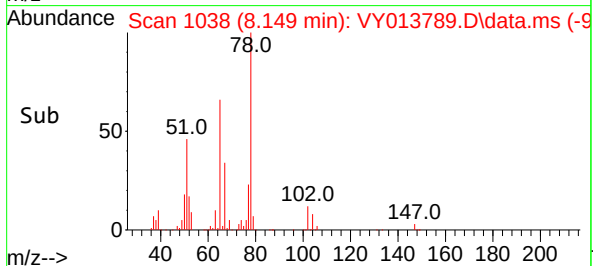
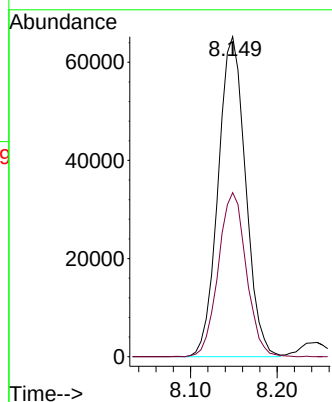
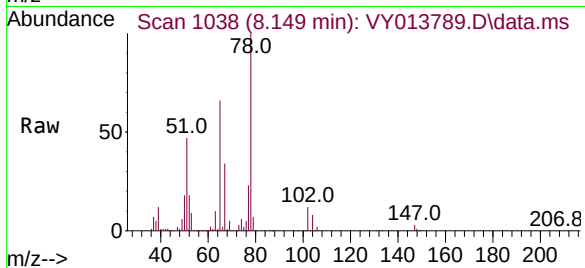
VSTDCCC050EC

Tgt Ion: 65 Resp: 143455

Ion Ratio Lower Upper

65 100

67 52.1 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY013789.D

Acq: 17 May 2023 20:20

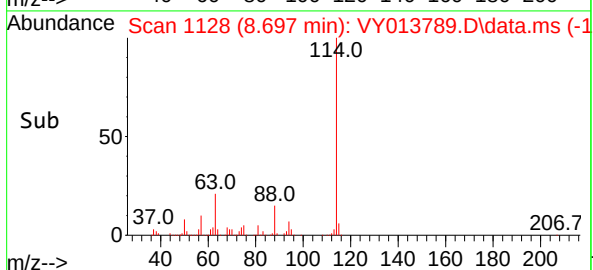
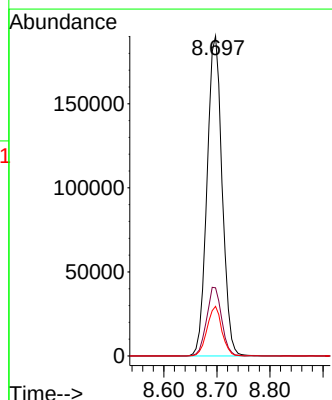
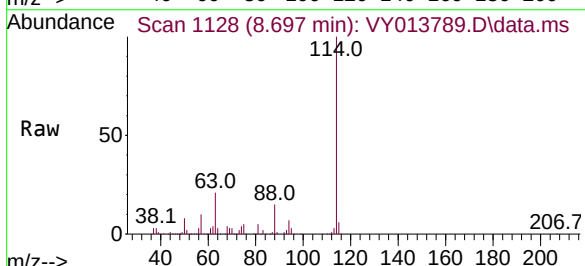
Tgt Ion: 114 Resp: 374997

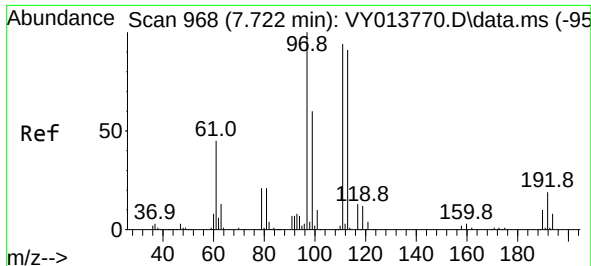
Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.8

88 15.5 0.0 30.8

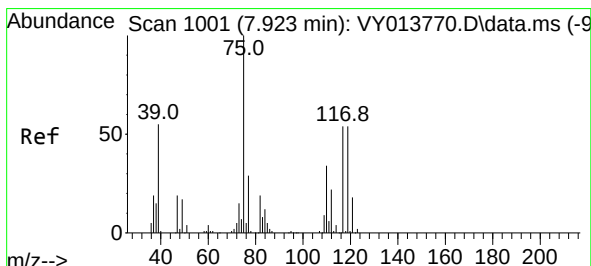
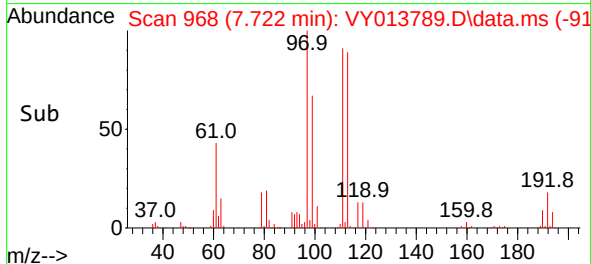
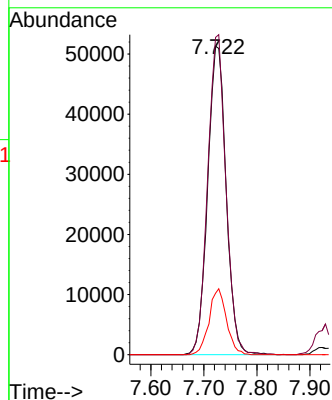
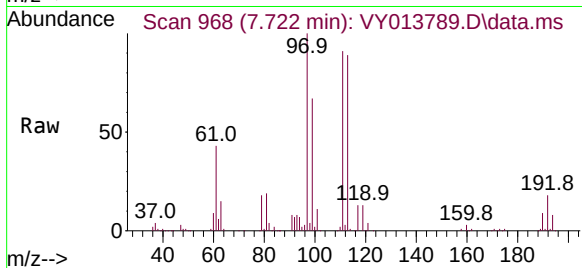




#35
Dibromofluoromethane
Concen: 51.741 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY013789.D
Acq: 17 May 2023 20:20

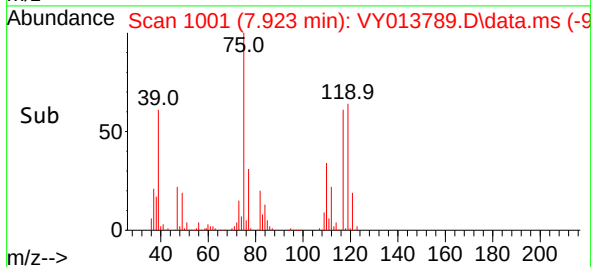
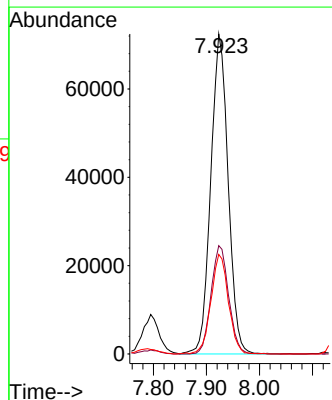
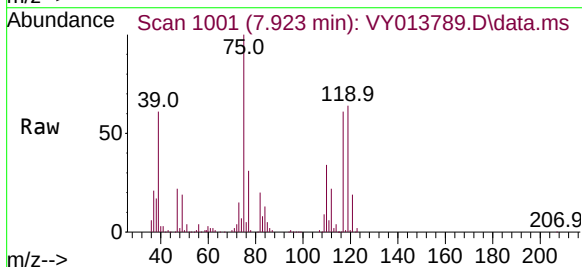
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

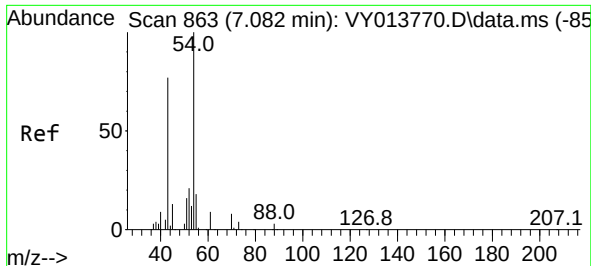
Tgt Ion:113 Resp: 124422
Ion Ratio Lower Upper
113 100
111 101.9 82.3 123.5
192 20.2 16.0 24.0



#36
1,1-Dichloropropene
Concen: 49.640 ug/l
RT: 7.923 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY013789.D
Acq: 17 May 2023 20:20

Tgt Ion: 75 Resp: 164931
Ion Ratio Lower Upper
75 100
110 34.2 17.3 51.7
77 31.3 24.6 36.8

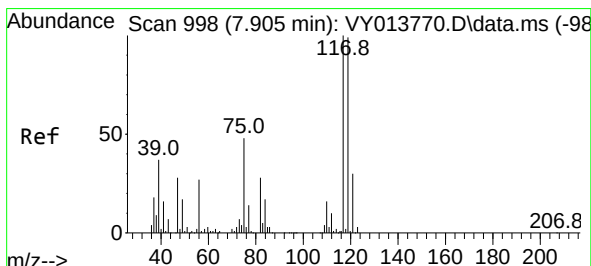
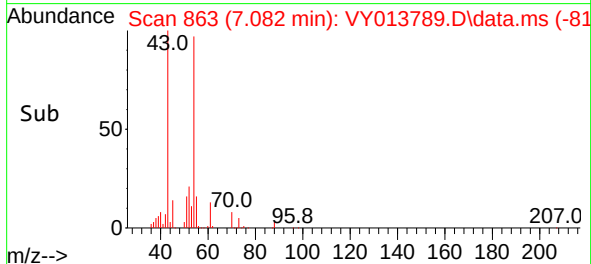
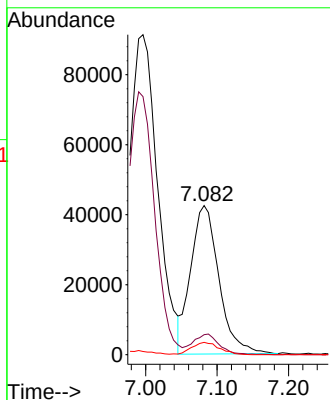
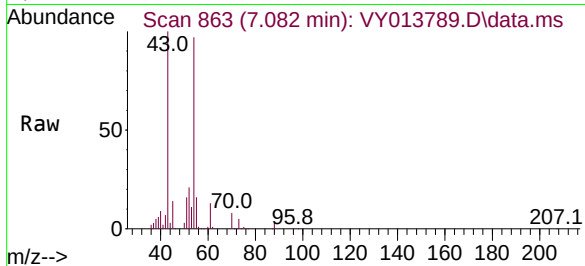




#37
Ethyl Acetate
Concen: 50.929 ug/l
RT: 7.082 min Scan# 863
Delta R.T. 0.000 min
Lab File: VY013789.D
Acq: 17 May 2023 20:20

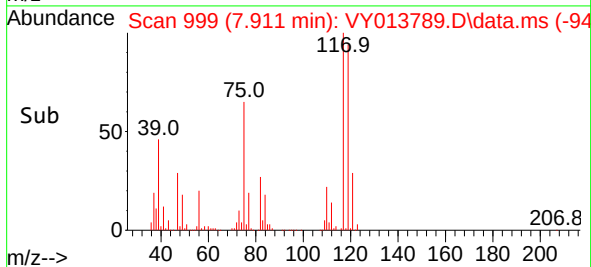
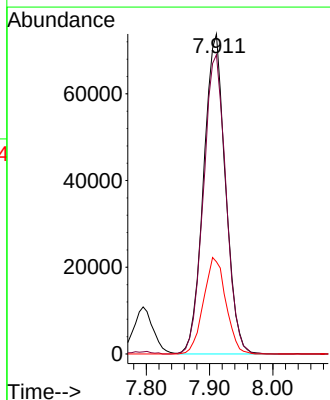
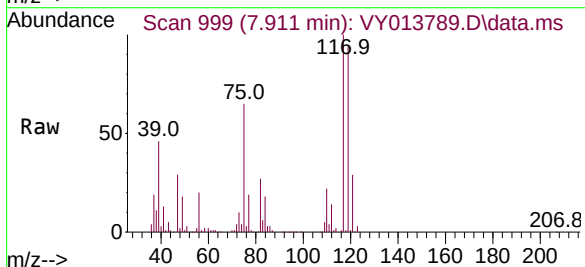
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

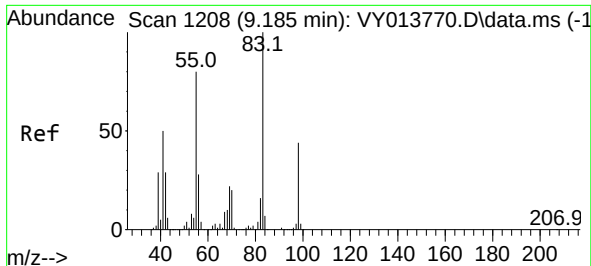
Tgt Ion: 43 Resp: 116396
Ion Ratio Lower Upper
43 100
61 12.9 10.7 16.1
70 8.2 7.0 10.6



#38
Carbon Tetrachloride
Concen: 50.594 ug/l
RT: 7.911 min Scan# 999
Delta R.T. 0.006 min
Lab File: VY013789.D
Acq: 17 May 2023 20:20

Tgt Ion: 117 Resp: 177336
Ion Ratio Lower Upper
117 100
119 93.5 79.0 118.6
121 28.8 24.1 36.1





#39

Methylcyclohexane

Concen: 48.275 ug/l

RT: 9.191 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY013789.D

Acq: 17 May 2023 20:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

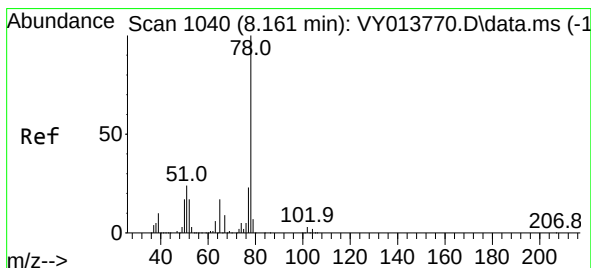
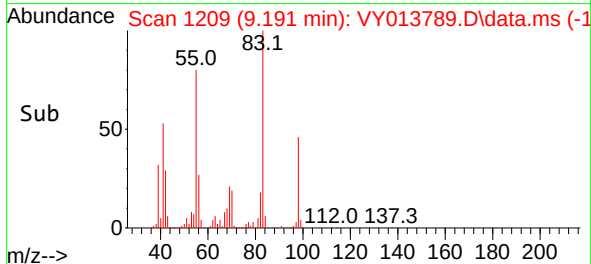
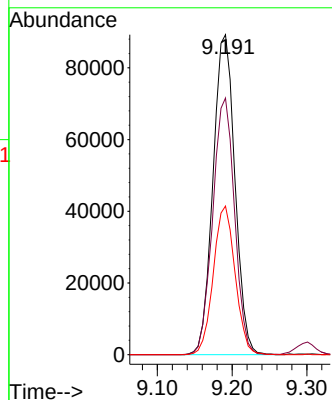
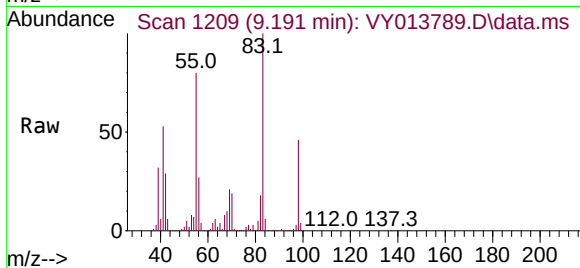
Tgt Ion: 83 Resp: 182304

Ion Ratio Lower Upper

83 100

55 80.2 63.7 95.5

98 46.5 35.0 52.6



#40

Benzene

Concen: 49.960 ug/l

RT: 8.167 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY013789.D

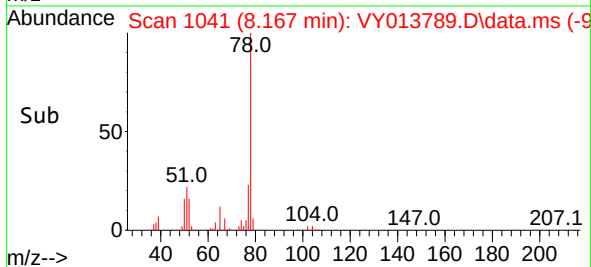
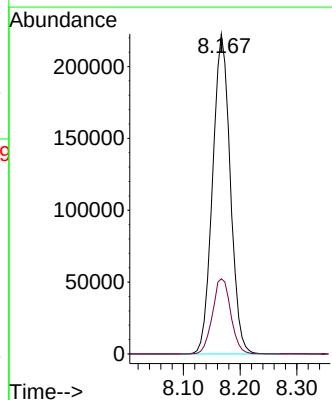
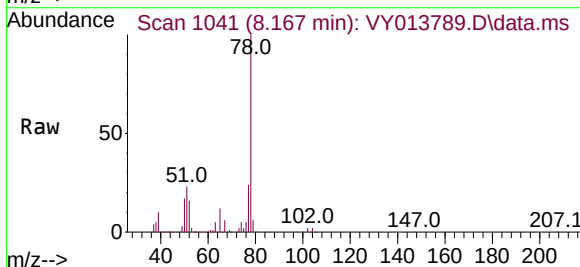
Acq: 17 May 2023 20:20

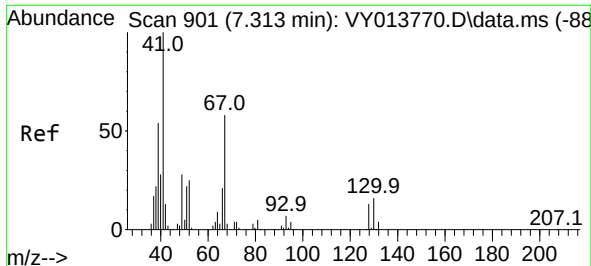
Tgt Ion: 78 Resp: 482382

Ion Ratio Lower Upper

78 100

77 23.5 18.6 27.8

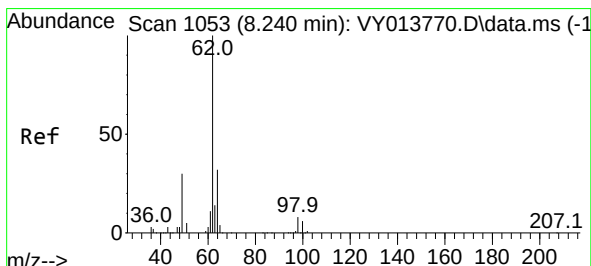
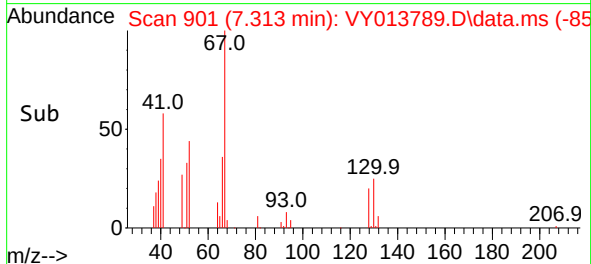
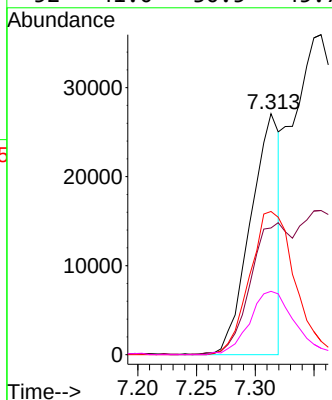
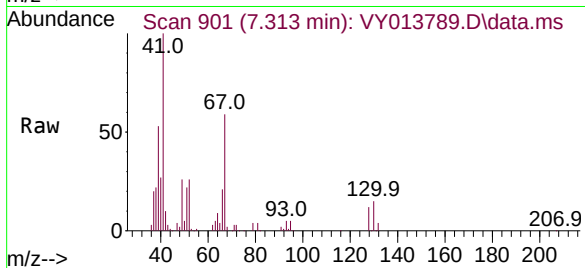




#41
Methacrylonitrile
Concen: 41.175 ug/l
RT: 7.313 min Scan# 901
Delta R.T. 0.000 min
Lab File: VY013789.D
Acq: 17 May 2023 20:20

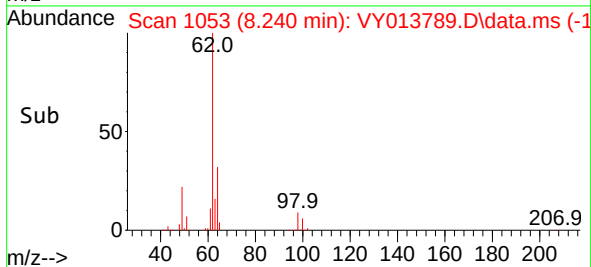
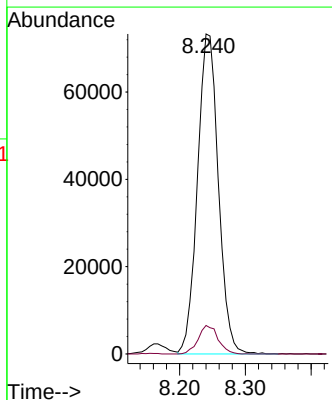
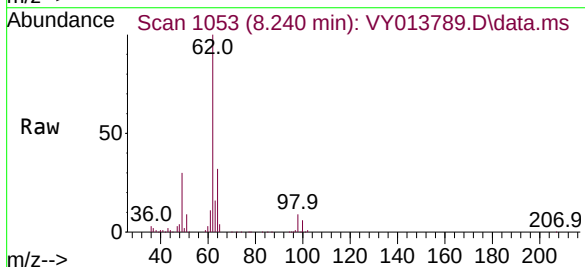
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

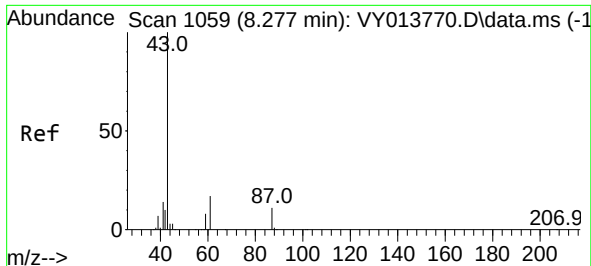
Tgt Ion:	41	Resp:	46764
Ion Ratio	Lower	Upper	
41	100		
39	76.8	59.5	89.3
67	92.9	69.1	103.7
52	41.0	30.5	45.7



#42
1,2-Dichloroethane
Concen: 51.914 ug/l
RT: 8.240 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VY013789.D
Acq: 17 May 2023 20:20

Tgt Ion:	62	Resp:	161956
Ion Ratio	Lower	Upper	
62	100		
98	8.5	0.0	16.8

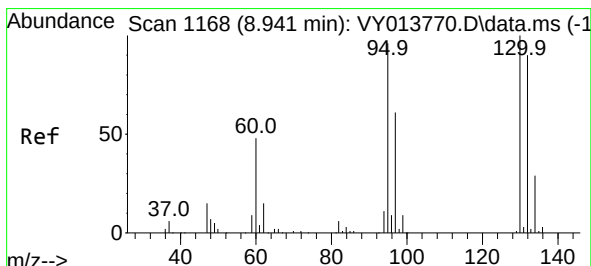
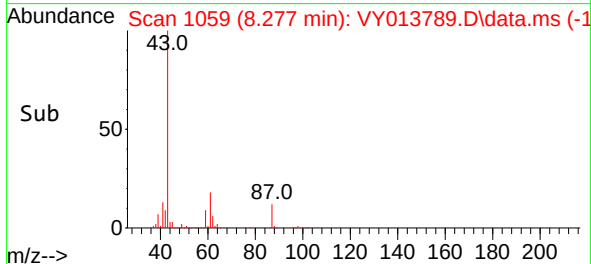
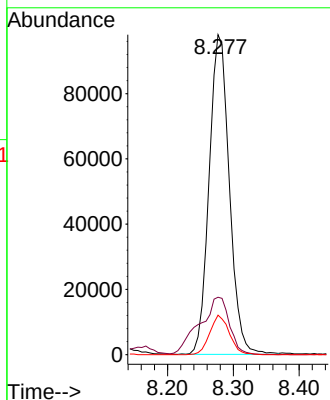
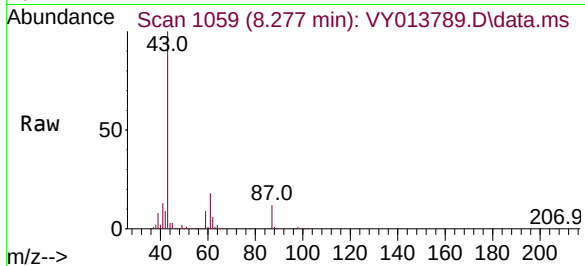




#43
Isopropyl Acetate
Concen: 50.653 ug/l
RT: 8.277 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VY013789.D
Acq: 17 May 2023 20:20

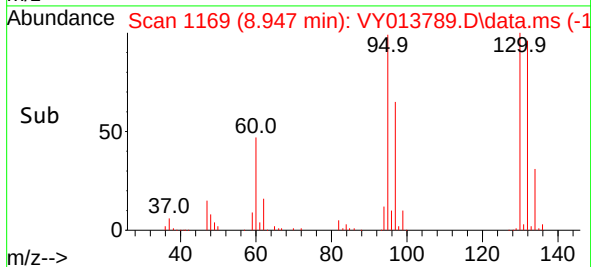
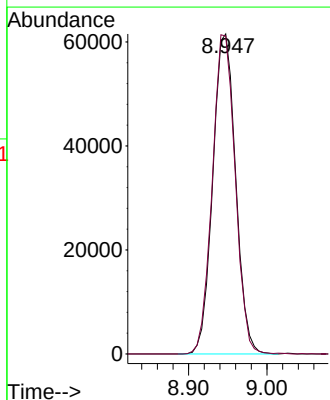
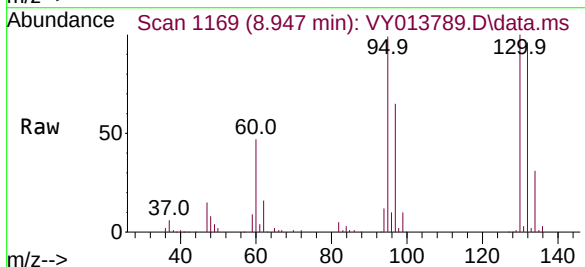
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

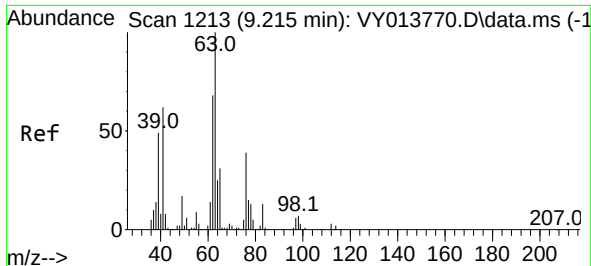
Tgt Ion: 43 Resp: 210122
Ion Ratio Lower Upper
43 100
61 26.4 20.6 31.0
87 12.0 9.0 13.6



#44
Trichloroethene
Concen: 49.408 ug/l
RT: 8.947 min Scan# 1169
Delta R.T. 0.006 min
Lab File: VY013789.D
Acq: 17 May 2023 20:20

Tgt Ion:130 Resp: 124707
Ion Ratio Lower Upper
130 100
95 99.3 0.0 193.0





#45

1,2-Dichloropropane

Concen: 50.559 ug/l

RT: 9.222 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY013789.D

Acq: 17 May 2023 20:20

Instrument :

MSVOA_Y

ClientSampleId :

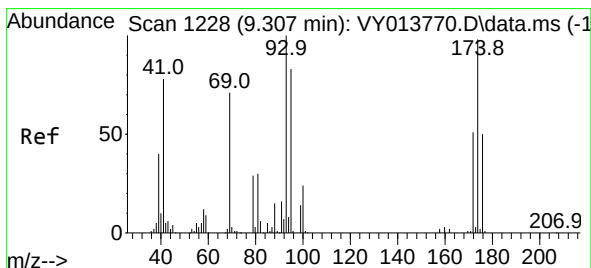
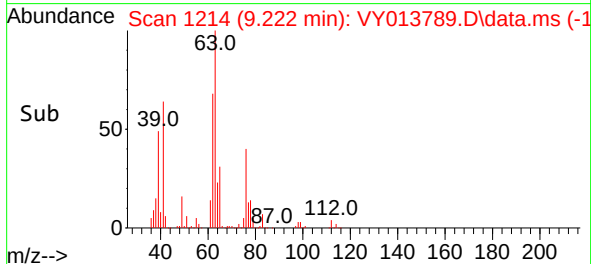
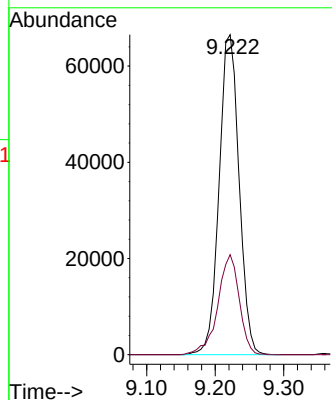
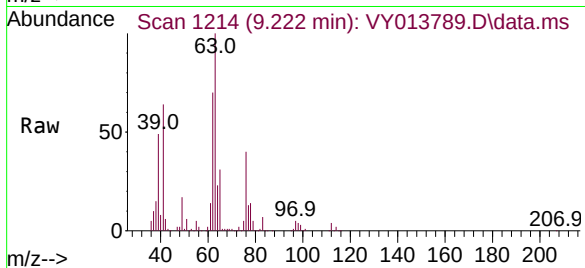
VSTDCCC050EC

Tgt Ion: 63 Resp: 134143

Ion Ratio Lower Upper

63 100

65 31.3 24.9 37.3



#46

Dibromomethane

Concen: 50.488 ug/l

RT: 9.313 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VY013789.D

Acq: 17 May 2023 20:20

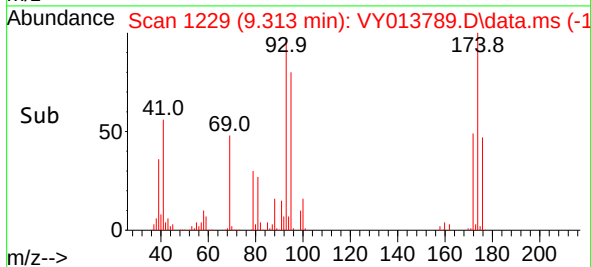
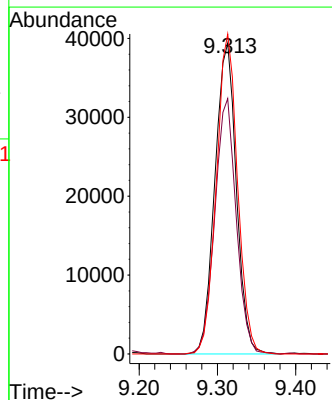
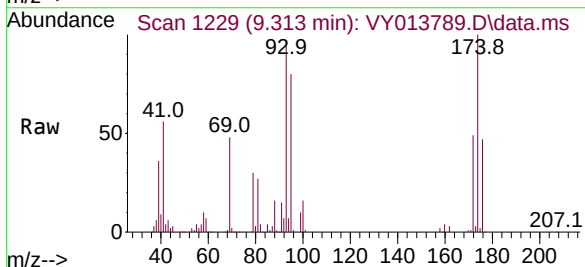
Tgt Ion: 93 Resp: 75023

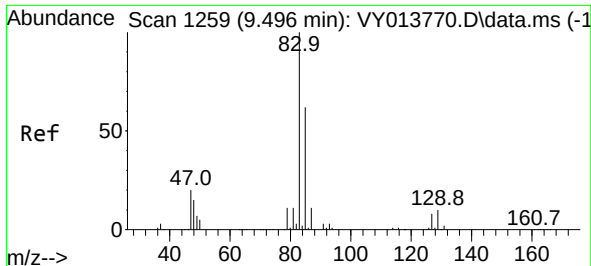
Ion Ratio Lower Upper

93 100

95 81.8 65.8 98.6

174 101.8 79.5 119.3

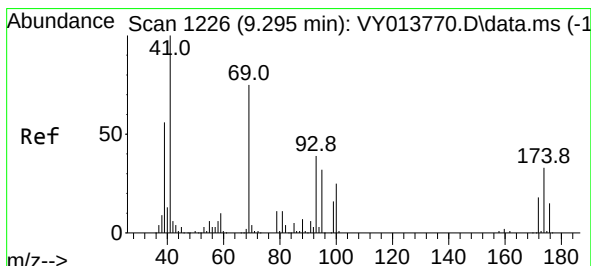
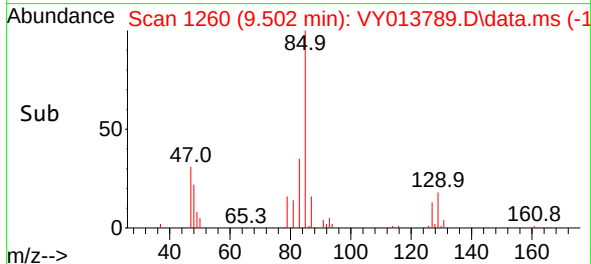
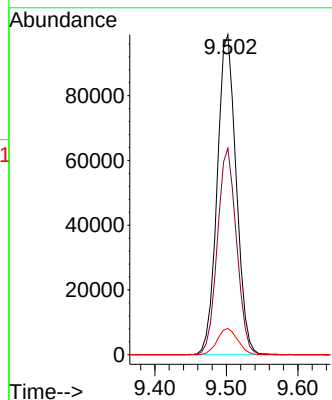
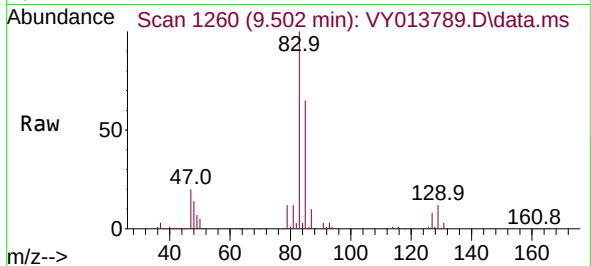




#47
Bromodichloromethane
Concen: 51.821 ug/l
RT: 9.502 min Scan# 1260
Delta R.T. 0.006 min
Lab File: VY013789.D
Acq: 17 May 2023 20:20

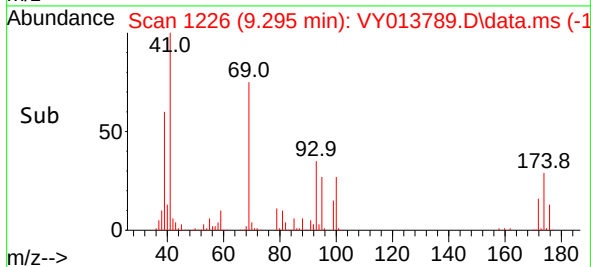
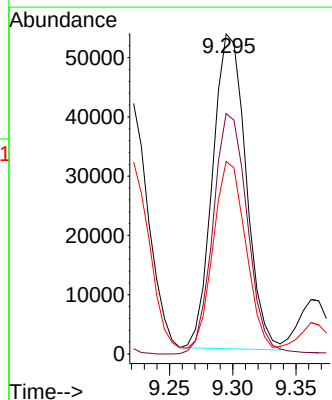
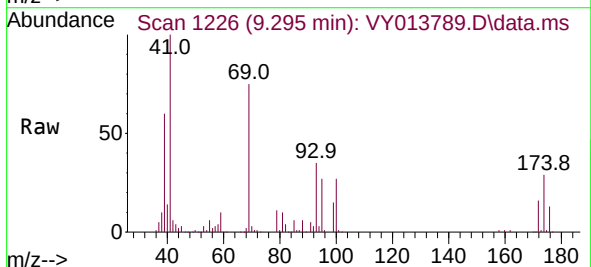
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

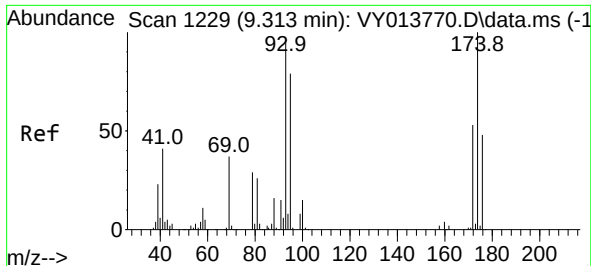
Tgt Ion: 83 Resp: 182361
Ion Ratio Lower Upper
83 100
85 64.5 49.6 74.4
127 8.2 6.3 9.5



#48
Methyl methacrylate
Concen: 51.122 ug/l
RT: 9.295 min Scan# 1226
Delta R.T. 0.000 min
Lab File: VY013789.D
Acq: 17 May 2023 20:20

Tgt Ion: 41 Resp: 97414
Ion Ratio Lower Upper
41 100
69 78.7 63.0 94.6
39 57.9 46.2 69.2





#49

1,4-Dioxane

Concen: 1038.971 ug/l

RT: 9.313 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013789.D

Acq: 17 May 2023 20:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

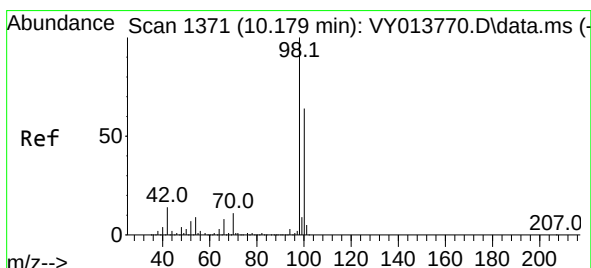
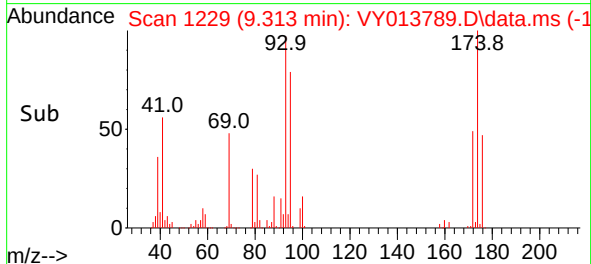
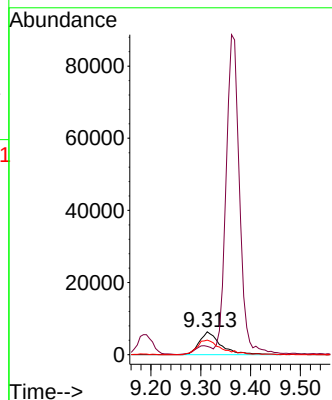
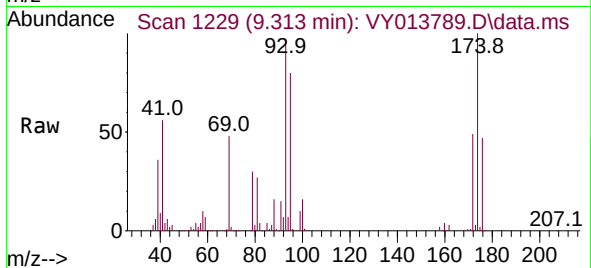
Tgt Ion: 88 Resp: 18948

Ion Ratio Lower Upper

88 100

43 29.6 26.1 39.1

58 71.2 62.2 93.2



#50

Toluene-d8

Concen: 51.120 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. 0.006 min

Lab File: VY013789.D

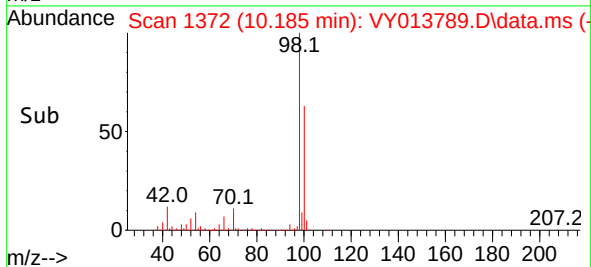
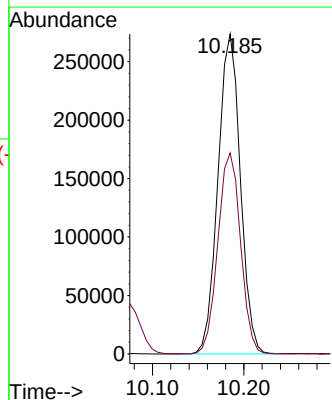
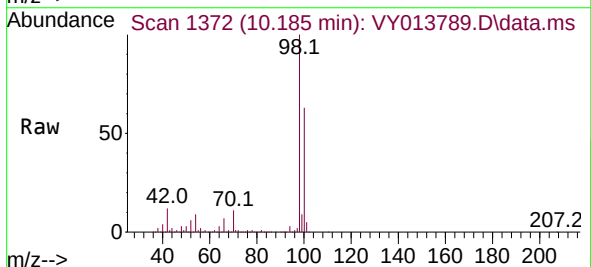
Acq: 17 May 2023 20:20

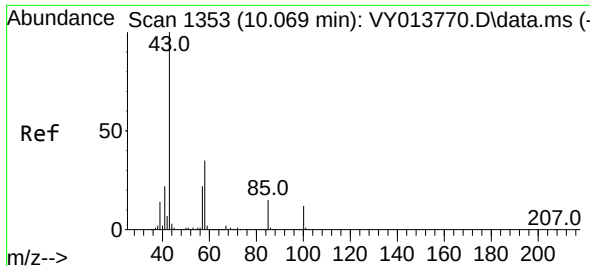
Tgt Ion: 98 Resp: 466036

Ion Ratio Lower Upper

98 100

100 63.6 51.0 76.6

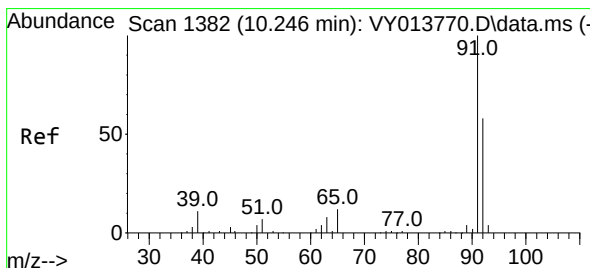
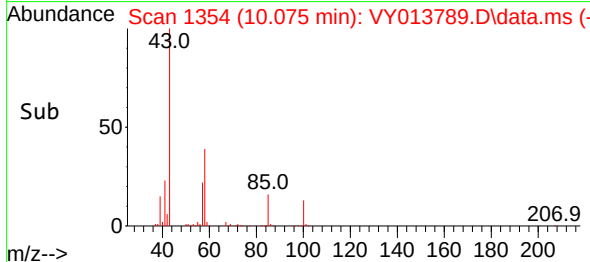
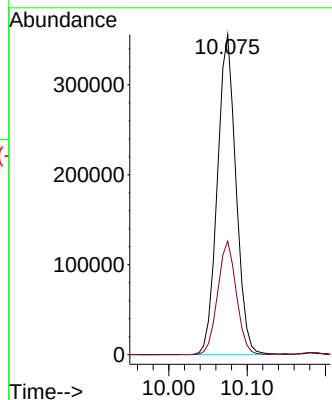
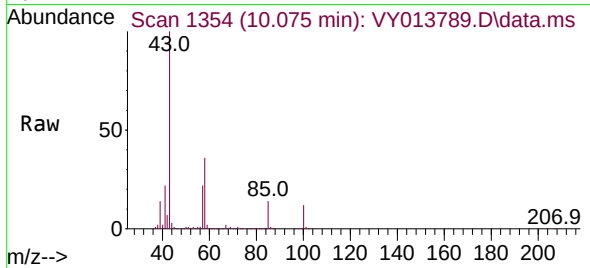




#51
4-Methyl-2-Pentanone
Concen: 254.630 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.006 min
Lab File: VY013789.D
Acq: 17 May 2023 20:20

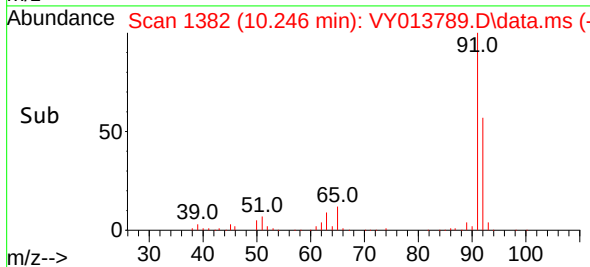
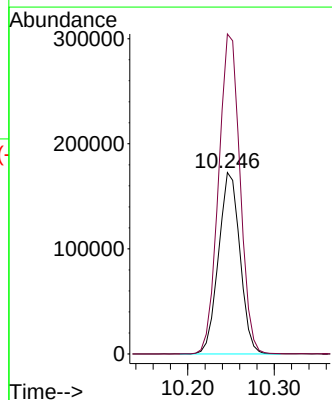
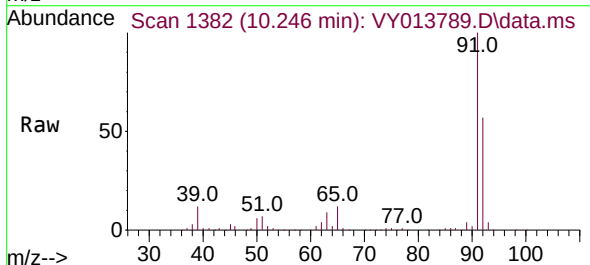
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

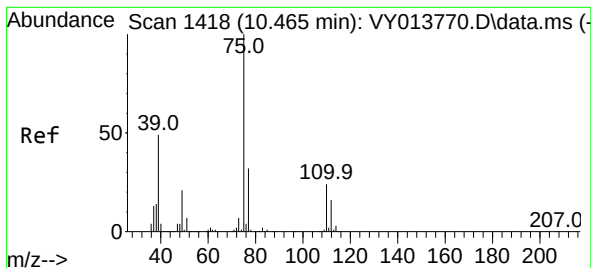
Tgt Ion: 43 Resp: 588202
Ion Ratio Lower Upper
43 100
58 35.6 28.2 42.2



#52
Toluene
Concen: 50.510 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY013789.D
Acq: 17 May 2023 20:20

Tgt Ion: 92 Resp: 295658
Ion Ratio Lower Upper
92 100
91 177.8 141.0 211.4

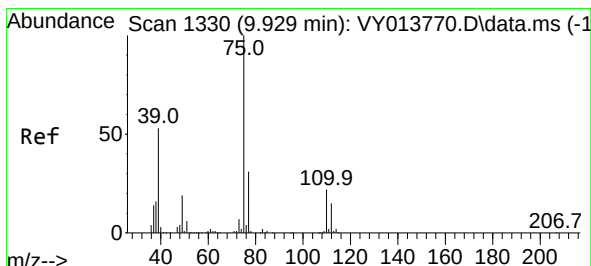
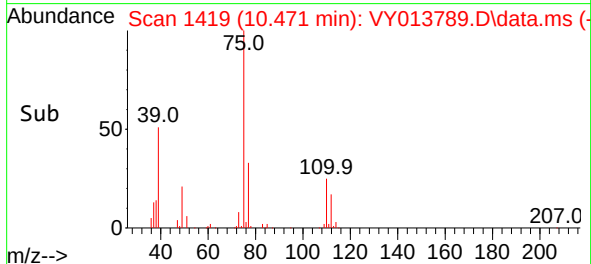
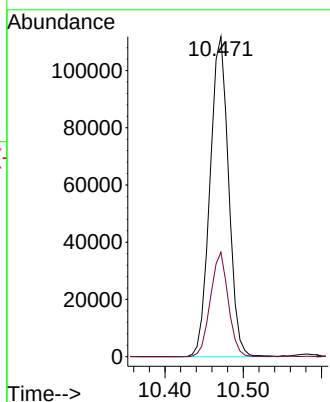
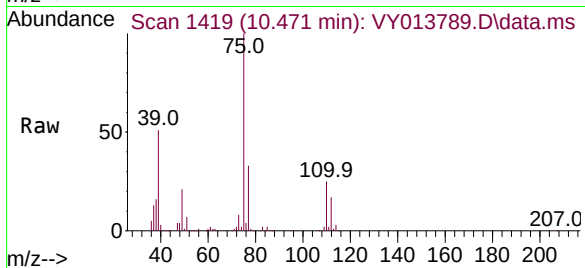




#53
 t-1,3-Dichloropropene
 Concen: 50.809 ug/l
 RT: 10.471 min Scan# 1418
 Delta R.T. 0.006 min
 Lab File: VY013789.D
 Acq: 17 May 2023 20:20

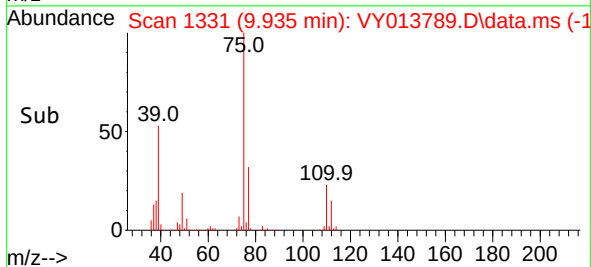
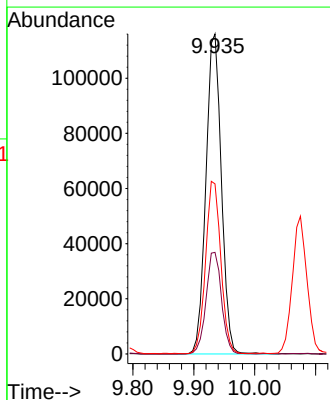
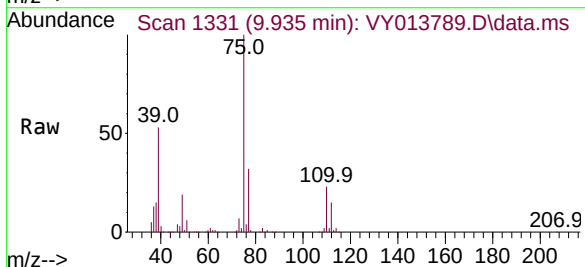
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

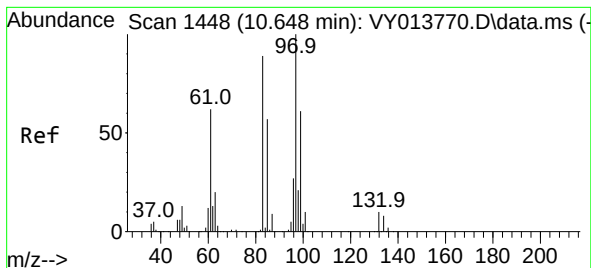
Tgt Ion: 75 Resp: 184349
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 50.422 ug/l
 RT: 9.935 min Scan# 1331
 Delta R.T. 0.006 min
 Lab File: VY013789.D
 Acq: 17 May 2023 20:20

Tgt Ion: 75 Resp: 204121
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.8 37.2
 39 53.0 42.6 63.8





#55

1,1,2-Trichloroethane

Concen: 50.264 ug/l

RT: 10.648 min Scan# 1448

Delta R.T. 0.000 min

Lab File: VY013789.D

Acq: 17 May 2023 20:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 101584

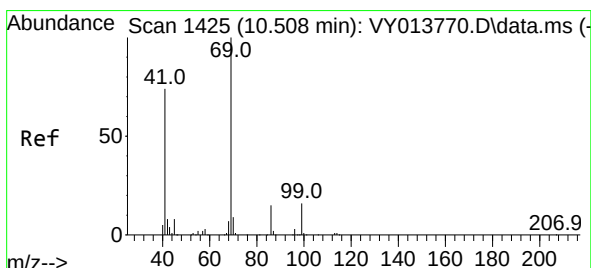
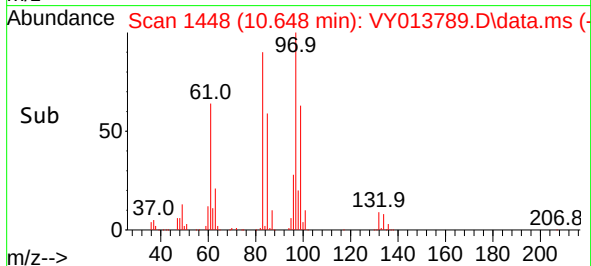
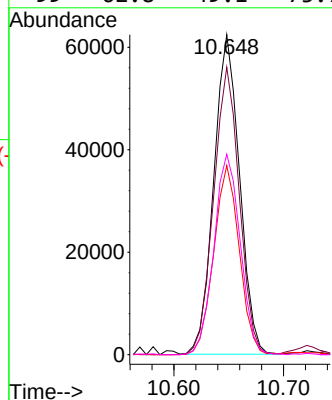
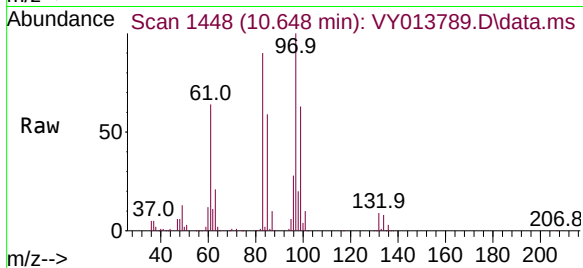
Ion Ratio Lower Upper

97 100

83 89.8 71.1 106.7

85 59.2 45.7 68.5

99 62.8 49.1 73.7



#56

Ethyl methacrylate

Concen: 53.284 ug/l

RT: 10.514 min Scan# 1426

Delta R.T. 0.006 min

Lab File: VY013789.D

Acq: 17 May 2023 20:20

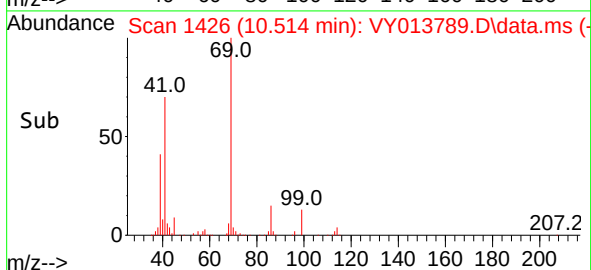
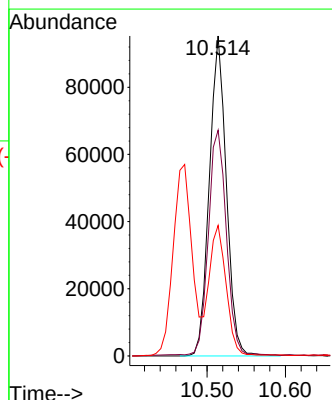
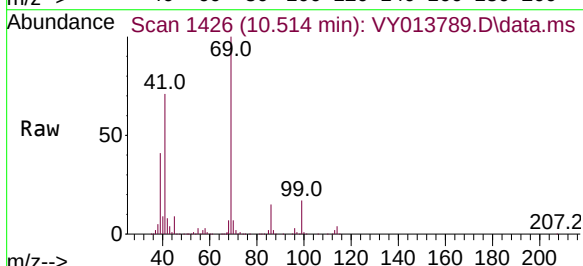
Tgt Ion: 69 Resp: 143713

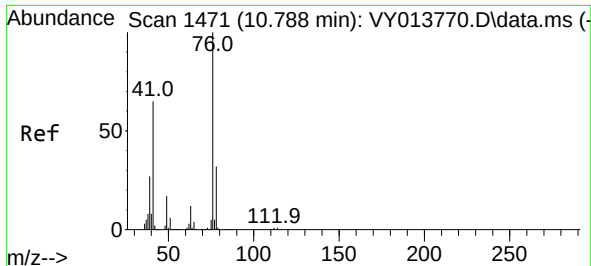
Ion Ratio Lower Upper

69 100

41 75.9 58.3 87.5

39 41.5 31.8 47.8





#57

1,3-Dichloropropane

Concen: 51.274 ug/l

RT: 10.794 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VY013789.D

Acq: 17 May 2023 20:20

Instrument :

MSVOA_Y

ClientSampleId :

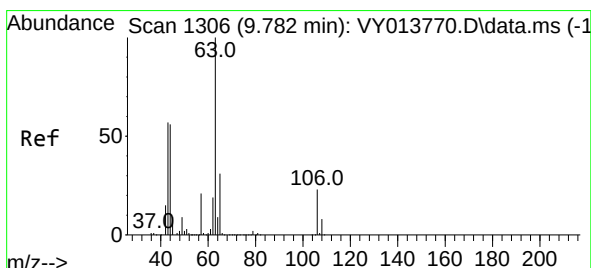
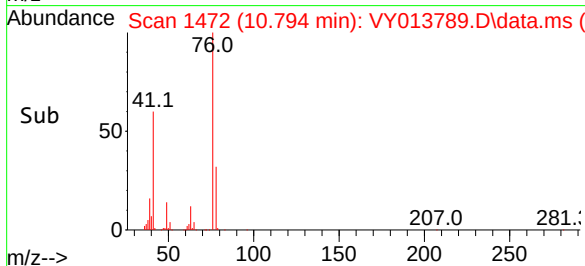
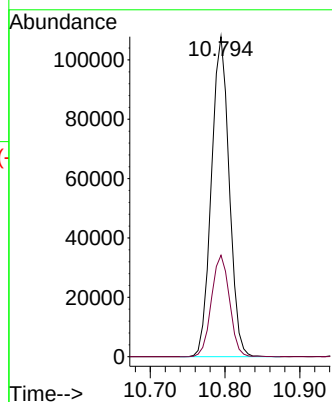
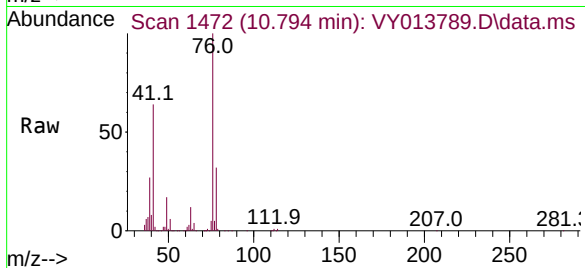
VSTDCCC050EC

Tgt Ion: 76 Resp: 178278

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 229.270 ug/l

RT: 9.789 min Scan# 1307

Delta R.T. 0.006 min

Lab File: VY013789.D

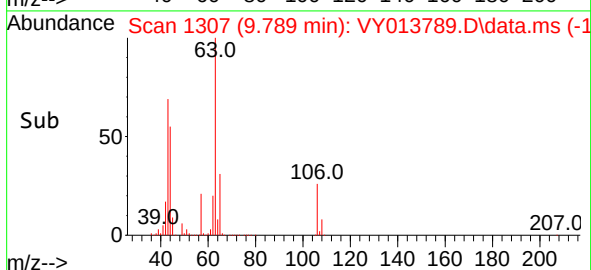
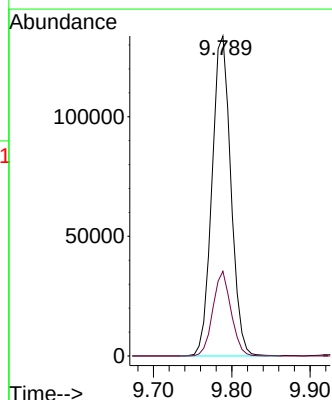
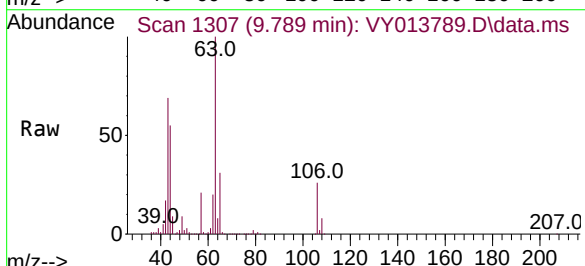
Acq: 17 May 2023 20:20

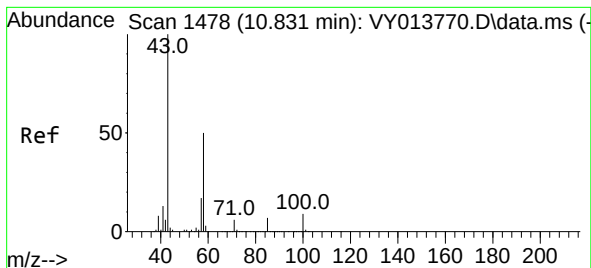
Tgt Ion: 63 Resp: 224031

Ion Ratio Lower Upper

63 100

106 25.4 19.7 29.5

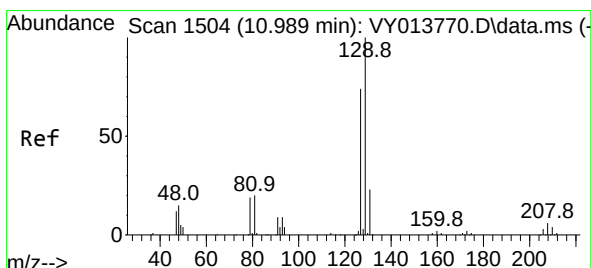
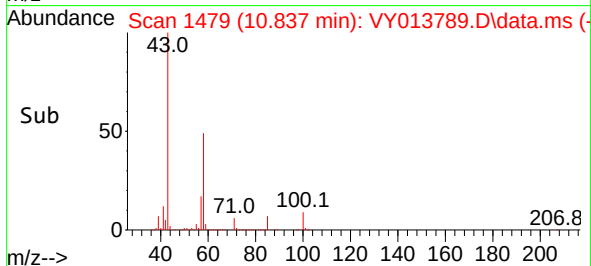
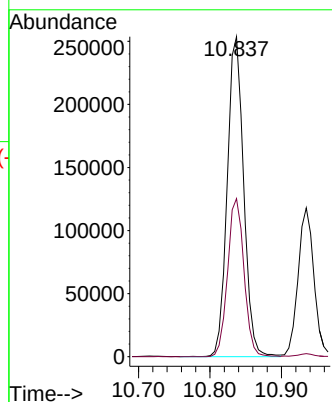
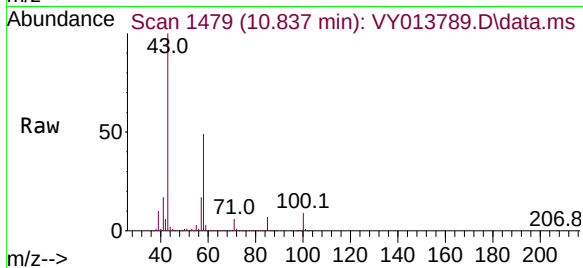




#59
2-Hexanone
Concen: 246.231 ug/l
RT: 10.837 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VY013789.D
Acq: 17 May 2023 20:20

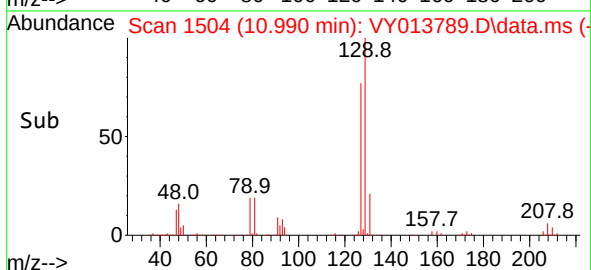
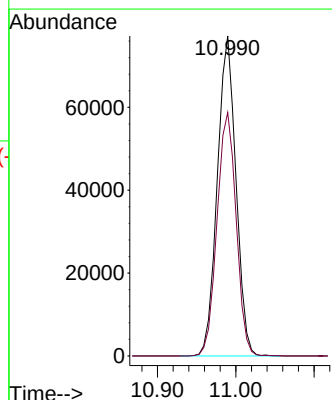
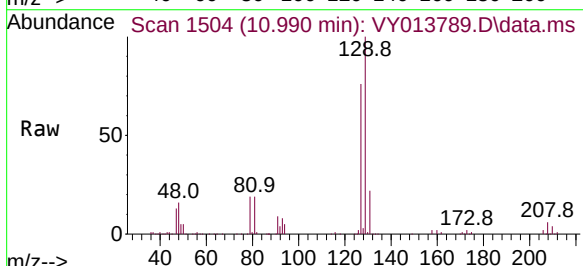
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

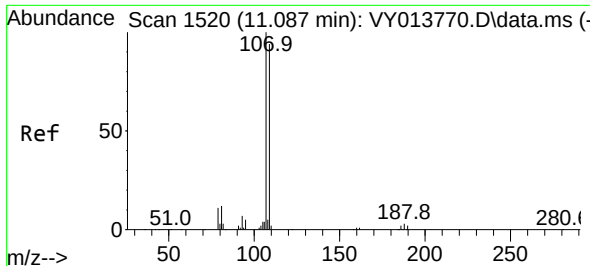
Tgt Ion: 43 Resp: 404313
Ion Ratio Lower Upper
43 100
58 49.3 24.8 74.4



#60
Dibromochloromethane
Concen: 52.212 ug/l
RT: 10.990 min Scan# 1504
Delta R.T. 0.000 min
Lab File: VY013789.D
Acq: 17 May 2023 20:20

Tgt Ion: 129 Resp: 127861
Ion Ratio Lower Upper
129 100
127 78.0 38.6 115.7

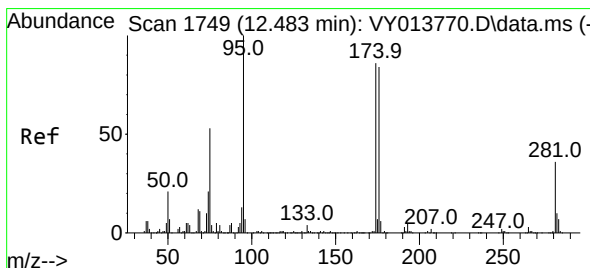
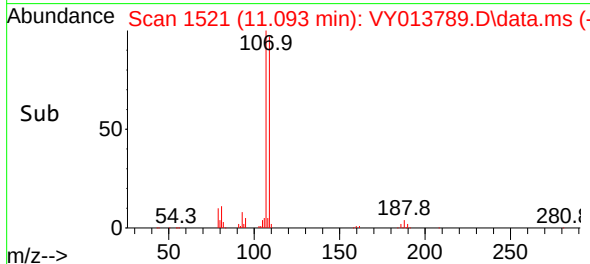
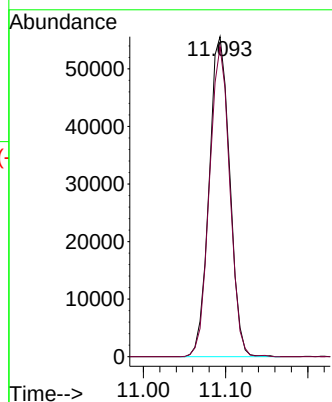
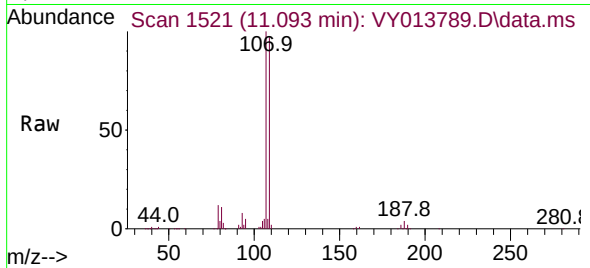




#61
1,2-Dibromoethane
Concen: 50.809 ug/l
RT: 11.093 min Scan# 1521
Delta R.T. 0.006 min
Lab File: VY013789.D
Acq: 17 May 2023 20:20

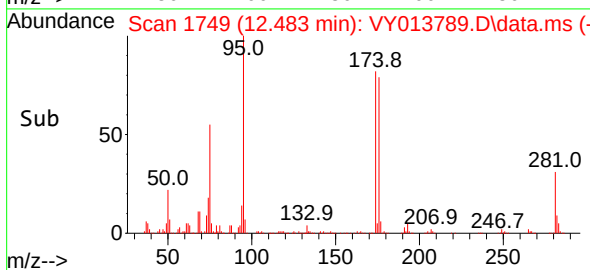
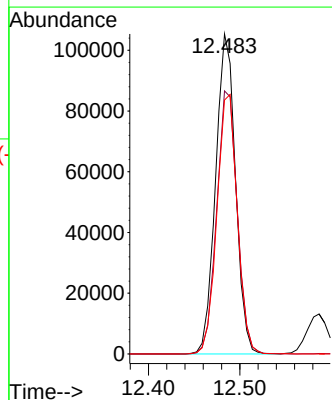
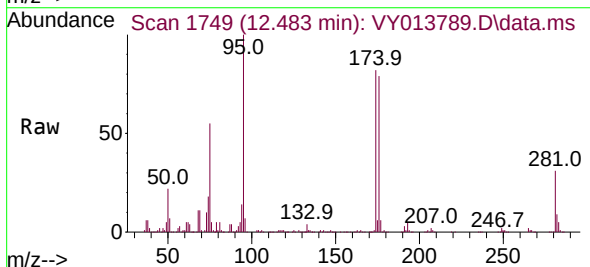
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

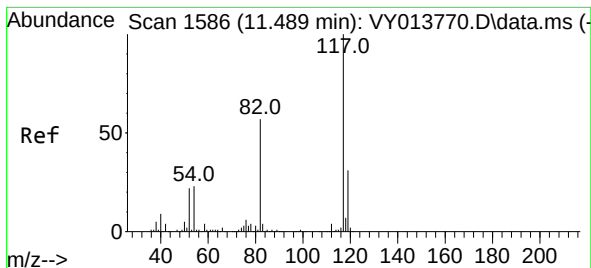
Tgt Ion:107 Resp: 96832
Ion Ratio Lower Upper
107 100
109 95.4 76.2 114.4



#62
4-Bromofluorobenzene
Concen: 52.502 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY013789.D
Acq: 17 May 2023 20:20

Tgt Ion: 95 Resp: 158982
Ion Ratio Lower Upper
95 100
174 85.1 0.0 168.8
176 83.2 0.0 165.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY013789.D

Acq: 17 May 2023 20:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

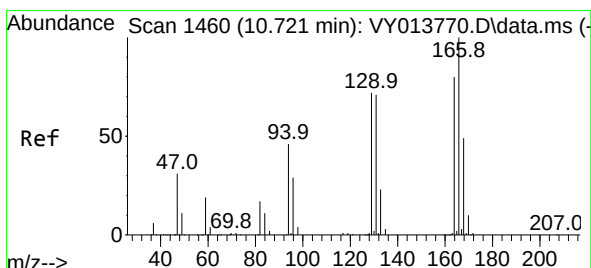
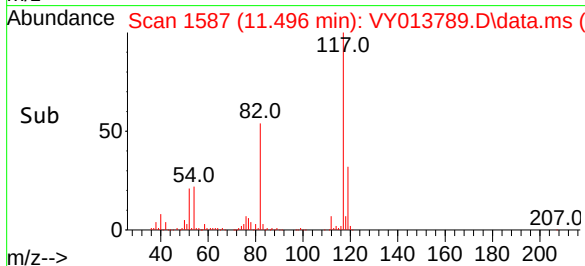
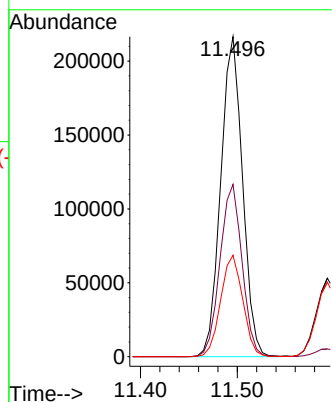
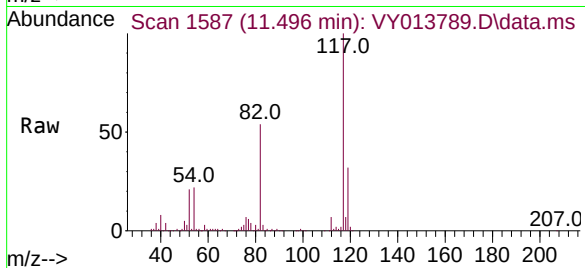
Tgt Ion:117 Resp: 338358

Ion Ratio Lower Upper

117 100

82 53.8 45.5 68.3

119 31.7 24.8 37.2



#64

Tetrachloroethene

Concen: 49.675 ug/l

RT: 10.721 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VY013789.D

Acq: 17 May 2023 20:20

Tgt Ion:164 Resp: 106623

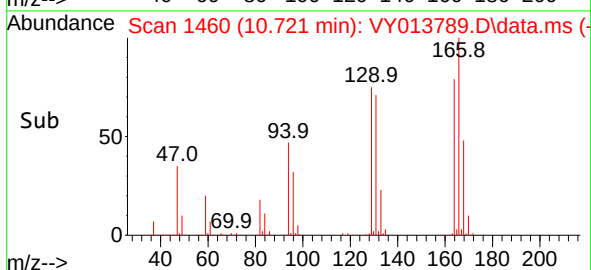
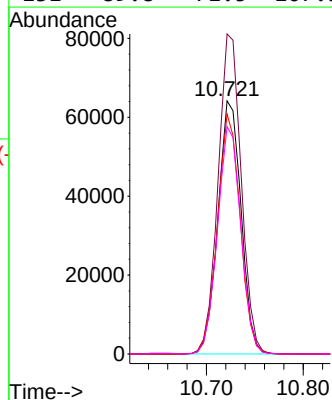
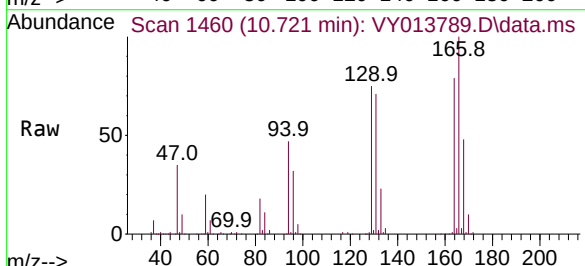
Ion Ratio Lower Upper

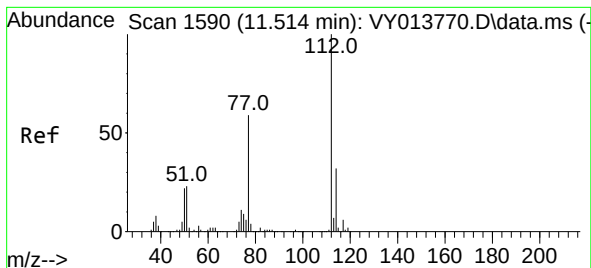
164 100

166 126.4 100.5 150.7

129 94.7 72.5 108.7

131 89.8 71.5 107.3





#65

Chlorobenzene

Concen: 50.084 ug/l

RT: 11.520 min Scan# 1591

Delta R.T. 0.006 min

Lab File: VY013789.D

Acq: 17 May 2023 20:20

Instrument :

MSVOA_Y

ClientSampleId :

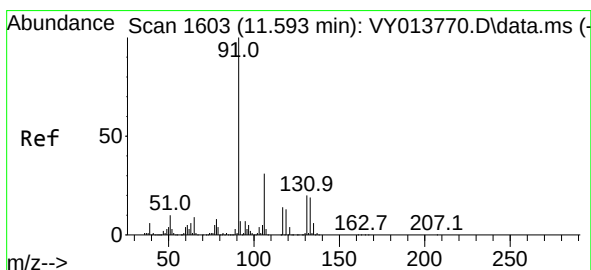
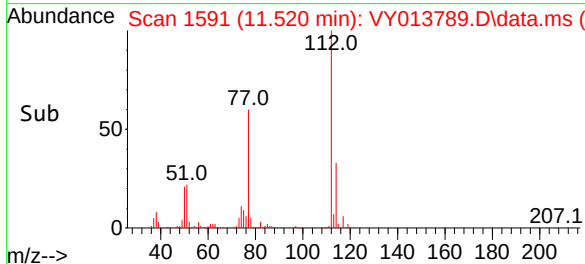
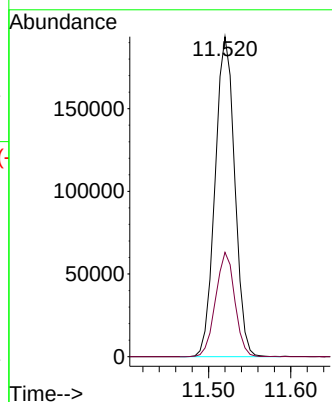
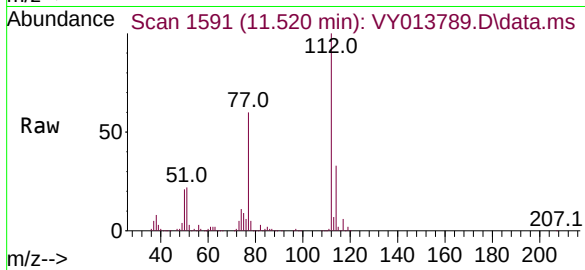
VSTDCCC050EC

Tgt Ion:112 Resp: 320752

Ion Ratio Lower Upper

112 100

114 32.6 25.5 38.3



#66

1,1,1,2-Tetrachloroethane

Concen: 50.796 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY013789.D

Acq: 17 May 2023 20:20

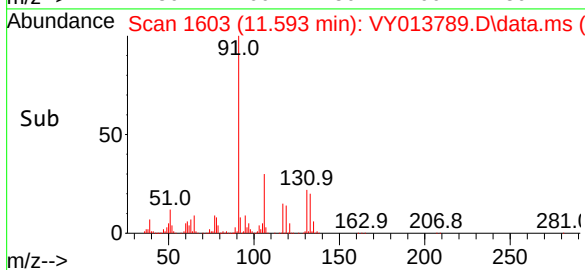
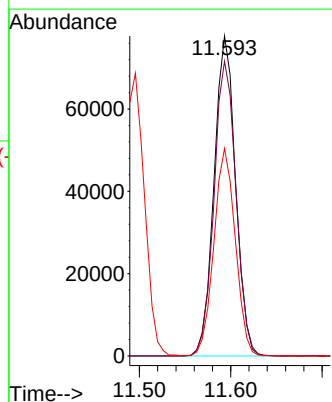
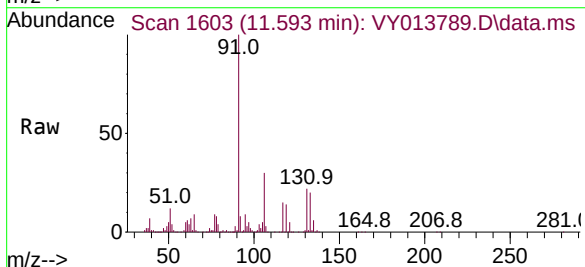
Tgt Ion:131 Resp: 126404

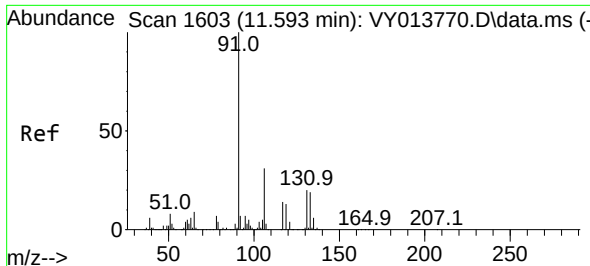
Ion Ratio Lower Upper

131 100

133 94.7 47.8 143.4

119 65.0 32.9 98.7





#67

Ethyl Benzene

Concen: 50.998 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. 0.006 min

Lab File: VY013789.D

Acq: 17 May 2023 20:20

Instrument :

MSVOA_Y

ClientSampleId :

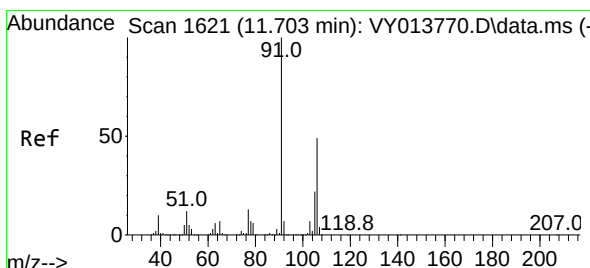
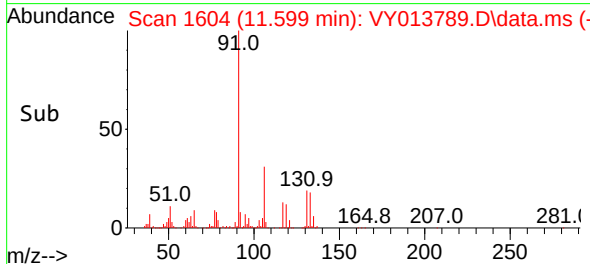
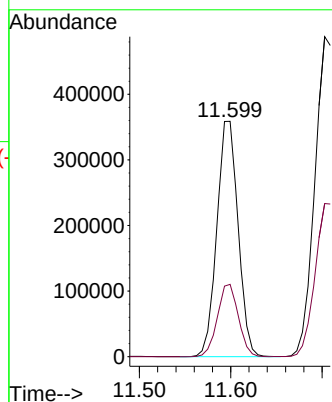
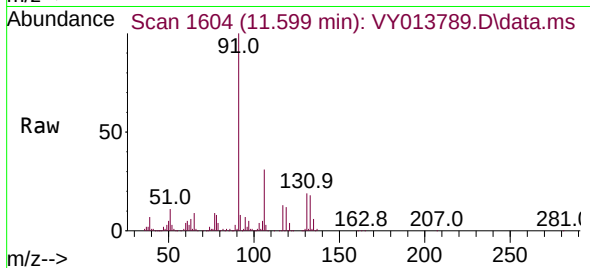
VSTDCCC050EC

Tgt Ion: 91 Resp: 580370

Ion Ratio Lower Upper

91 100

106 30.7 25.0 37.6



#68

m/p-Xylenes

Concen: 101.378 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. 0.000 min

Lab File: VY013789.D

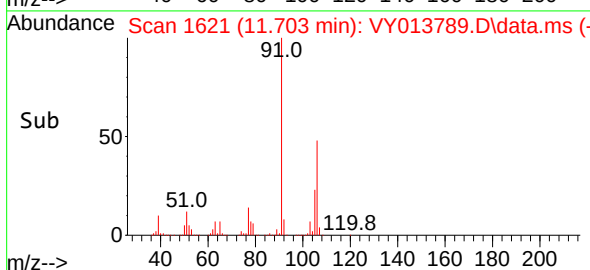
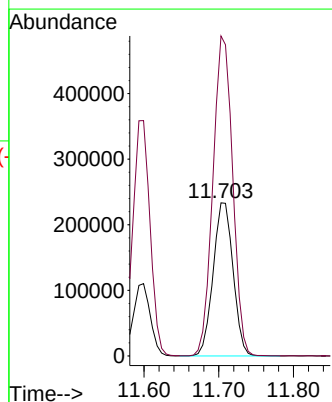
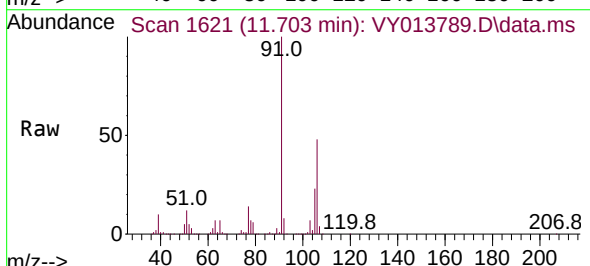
Acq: 17 May 2023 20:20

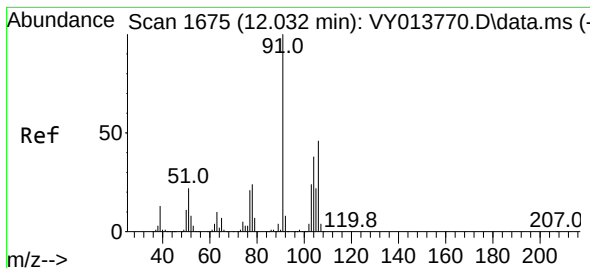
Tgt Ion: 106 Resp: 432123

Ion Ratio Lower Upper

106 100

91 207.3 164.0 246.0





#69

o-Xylene

Concen: 51.310 ug/l

RT: 12.032 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY013789.D

Acq: 17 May 2023 20:20

Instrument :

MSVOA_Y

ClientSampleId :

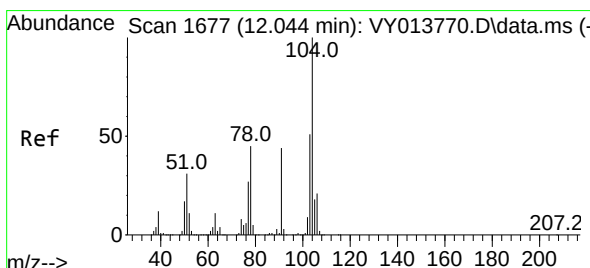
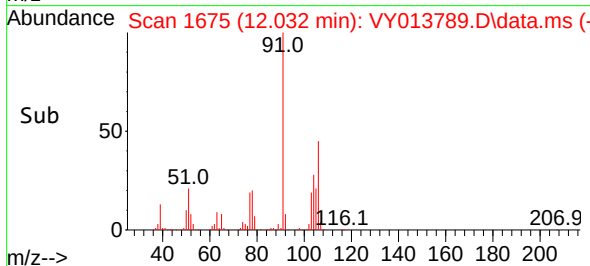
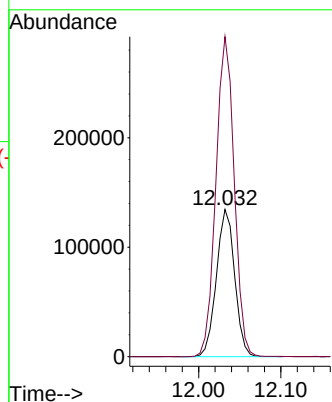
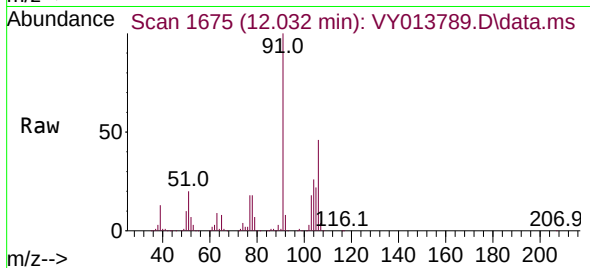
VSTDCCC050EC

Tgt Ion:106 Resp: 208049

Ion Ratio Lower Upper

106 100

91 217.5 108.4 325.2



#70

Styrene

Concen: 51.935 ug/l

RT: 12.044 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VY013789.D

Acq: 17 May 2023 20:20

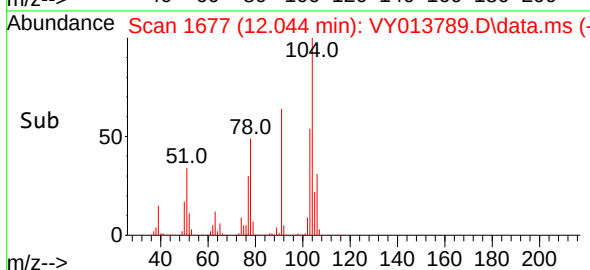
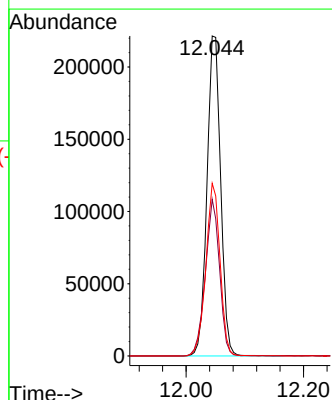
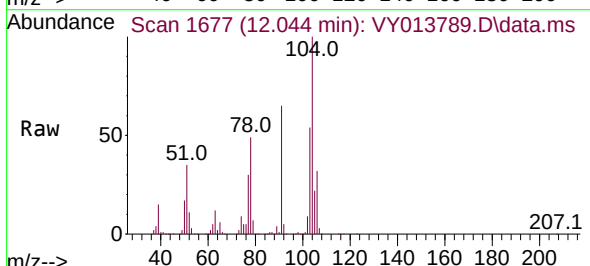
Tgt Ion:104 Resp: 357666

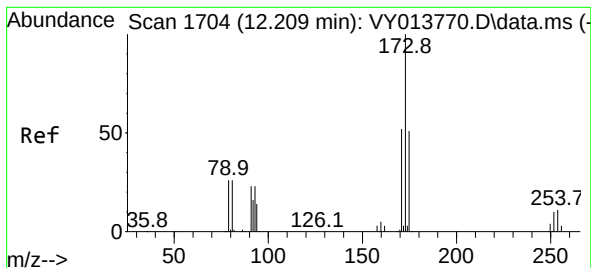
Ion Ratio Lower Upper

104 100

78 50.7 40.6 61.0

103 55.8 44.6 66.8





#71

Bromoform

Concen: 51.526 ug/l

RT: 12.209 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013789.D

Acq: 17 May 2023 20:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

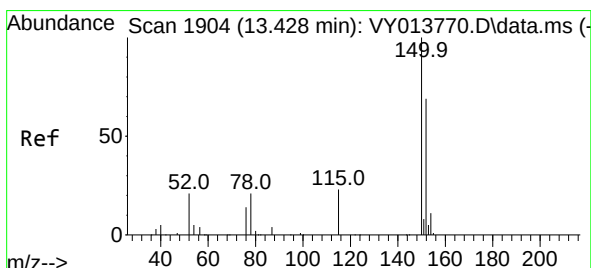
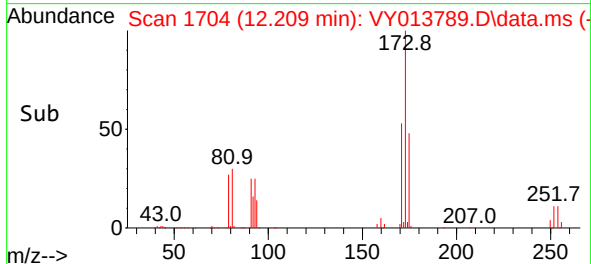
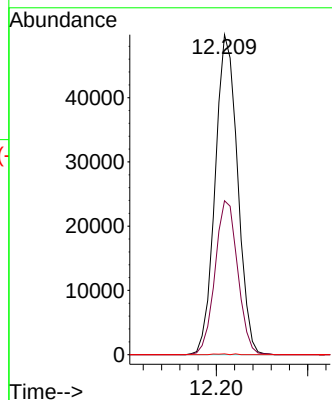
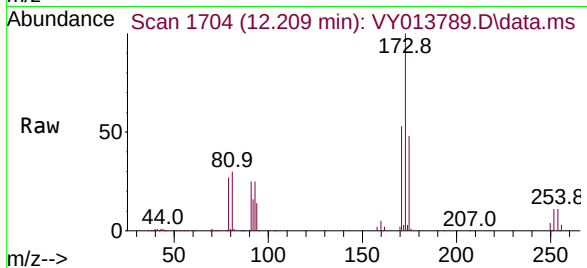
Tgt Ion:173 Resp: 84707

Ion Ratio Lower Upper

173 100

175 48.7 24.9 74.7

254 0.2 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY013789.D

Acq: 17 May 2023 20:20

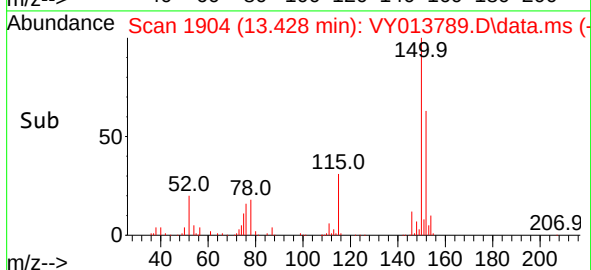
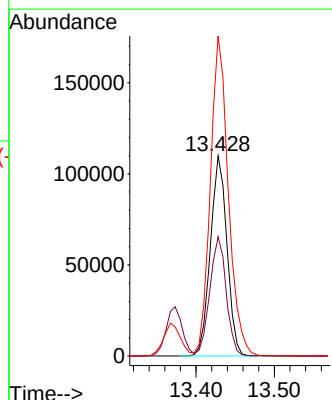
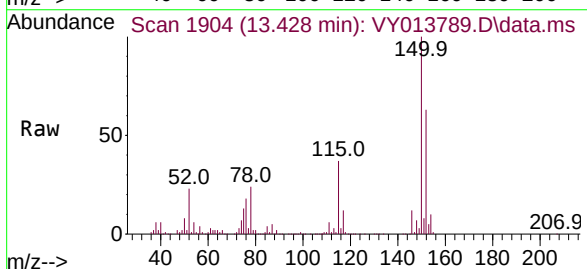
Tgt Ion:152 Resp: 161297

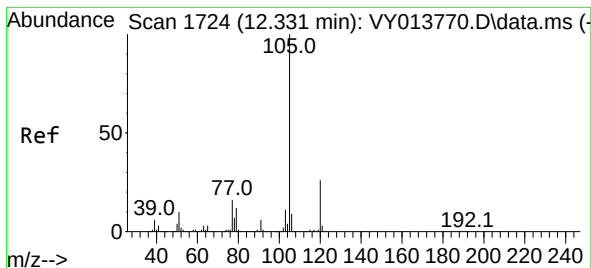
Ion Ratio Lower Upper

152 100

115 58.6 28.5 85.5

150 173.1 0.0 347.0





#73

Isopropylbenzene

Concen: 50.810 ug/l

RT: 12.331 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013789.D

Acq: 17 May 2023 20:20

Instrument :

MSVOA_Y

ClientSampleId :

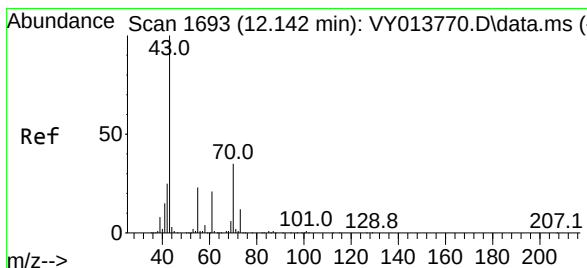
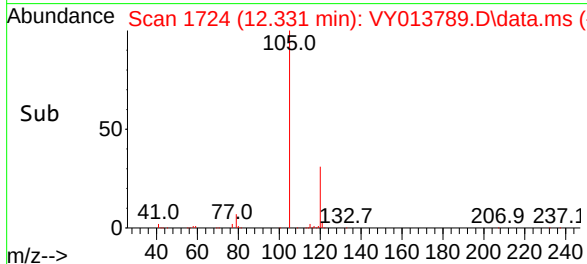
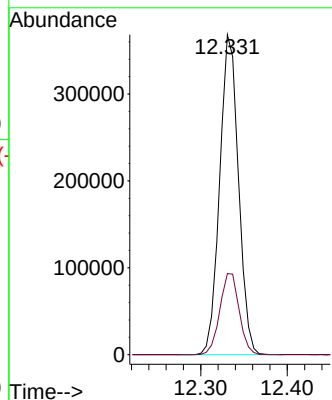
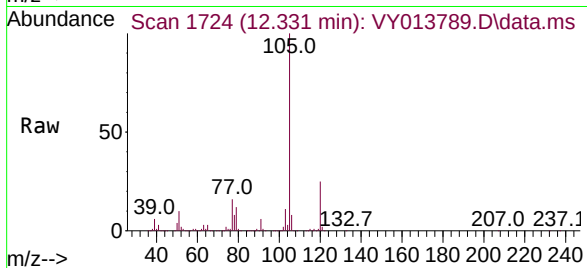
VSTDCCC050EC

Tgt Ion:105 Resp: 554826

Ion Ratio Lower Upper

105 100

120 26.1 13.2 39.6



#74

N-ethyl acetate

Concen: 49.291 ug/l

RT: 12.148 min Scan# 1694

Delta R.T. 0.006 min

Lab File: VY013789.D

Acq: 17 May 2023 20:20

Tgt Ion: 43 Resp: 182656

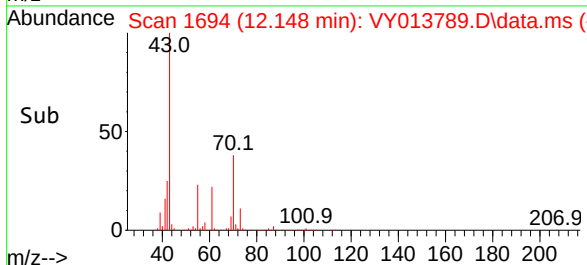
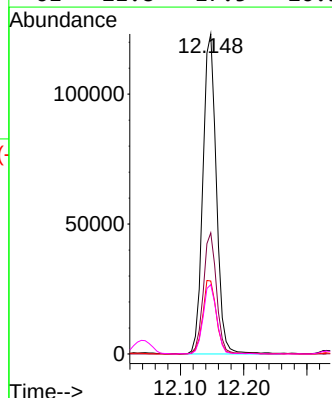
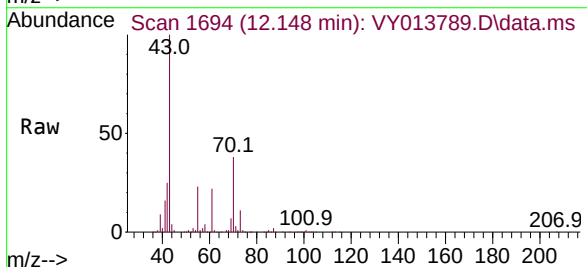
Ion Ratio Lower Upper

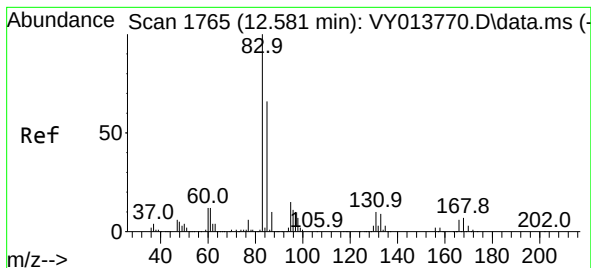
43 100

70 36.8 28.8 43.2

55 23.2 18.5 27.7

61 21.8 17.5 26.3





#75

1,1,2,2-Tetrachloroethane

Concen: 50.240 ug/l

RT: 12.587 min Scan# 1765

Delta R.T. 0.006 min

Lab File: VY013789.D

Acq: 17 May 2023 20:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

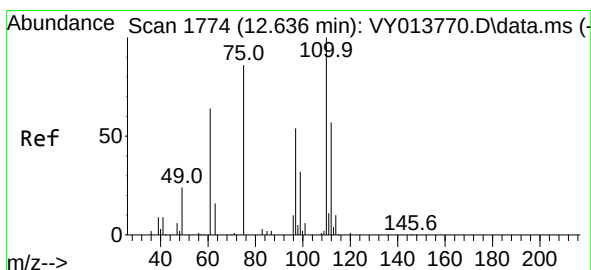
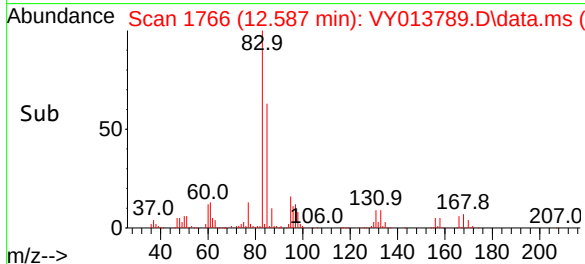
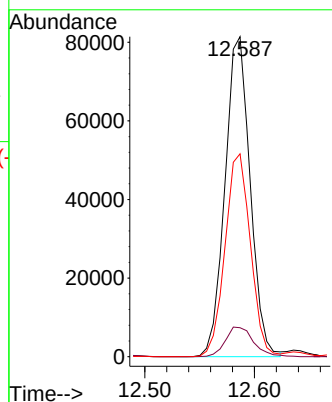
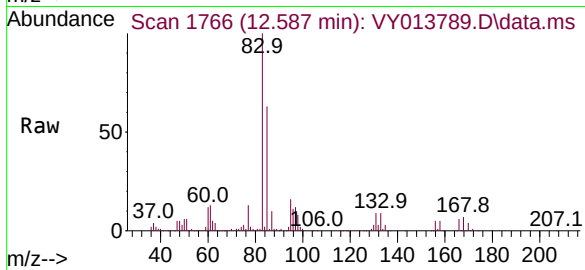
Tgt Ion: 83 Resp: 129961

Ion Ratio Lower Upper

83 100

131 10.4 5.1 15.2

85 64.0 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 83.216 ug/l

RT: 12.636 min Scan# 1774

Delta R.T. 0.000 min

Lab File: VY013789.D

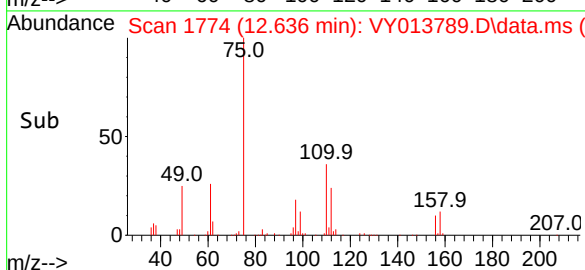
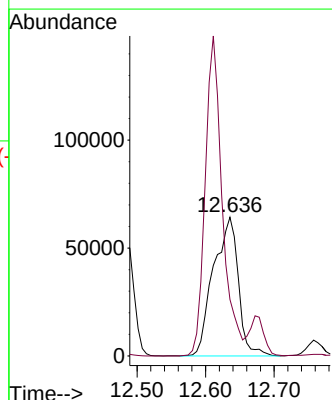
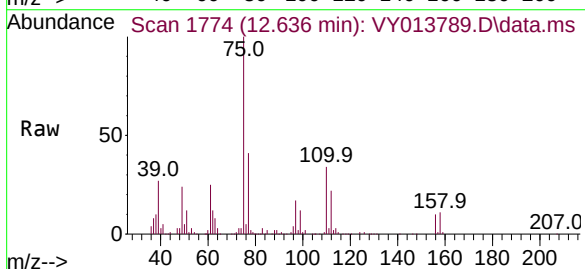
Acq: 17 May 2023 20:20

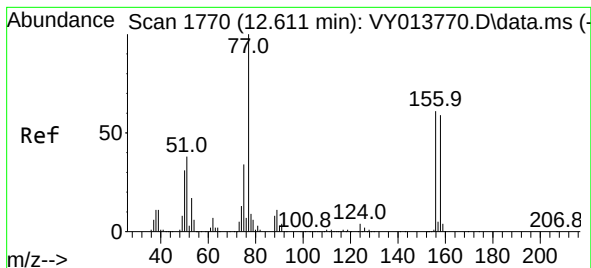
Tgt Ion: 75 Resp: 162448

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 51.349 ug/l

RT: 12.611 min Scan# 1770

Delta R.T. 0.000 min

Lab File: VY013789.D

Acq: 17 May 2023 20:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

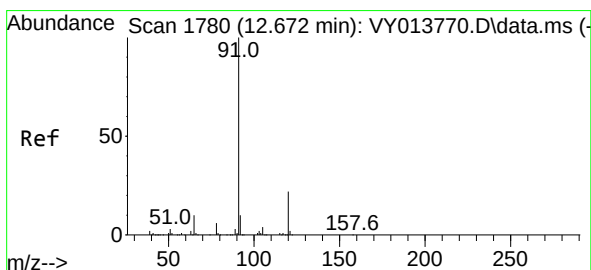
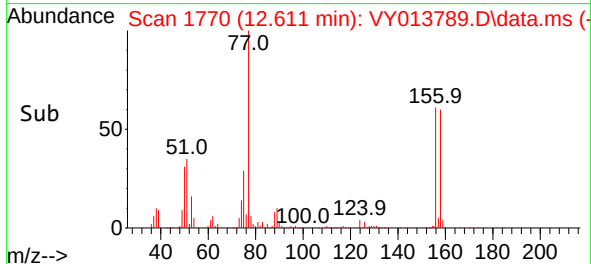
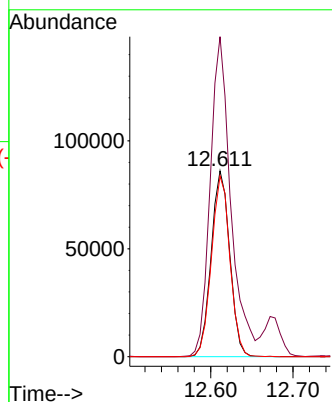
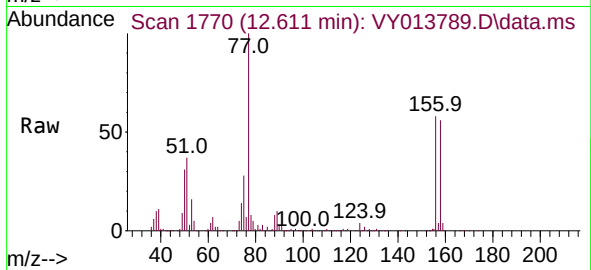
Tgt Ion:156 Resp: 135260

Ion Ratio Lower Upper

156 100

77 190.5 97.1 291.3

158 96.7 49.1 147.3



#78

n-propylbenzene

Concen: 50.778 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.000 min

Lab File: VY013789.D

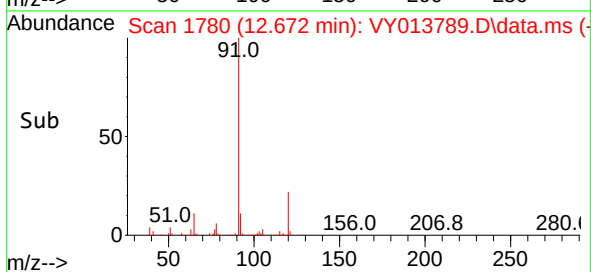
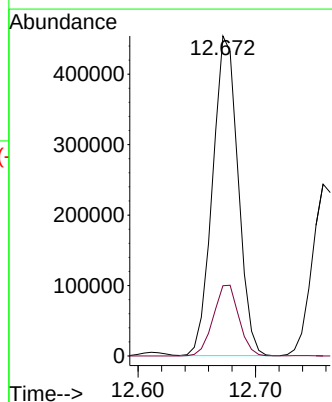
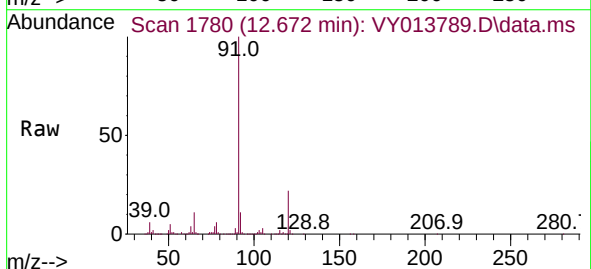
Acq: 17 May 2023 20:20

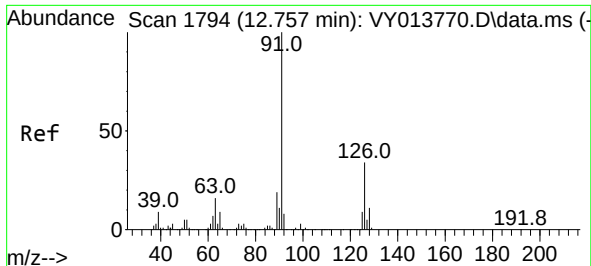
Tgt Ion: 91 Resp: 683034

Ion Ratio Lower Upper

91 100

120 22.3 10.9 32.9

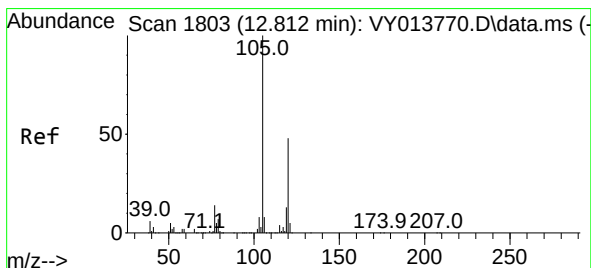
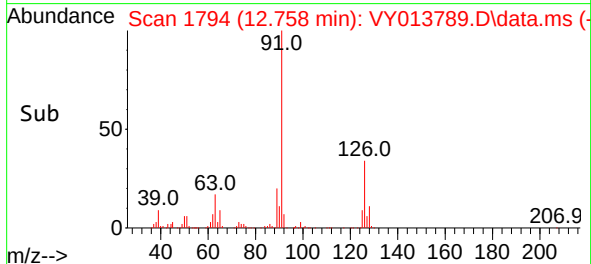
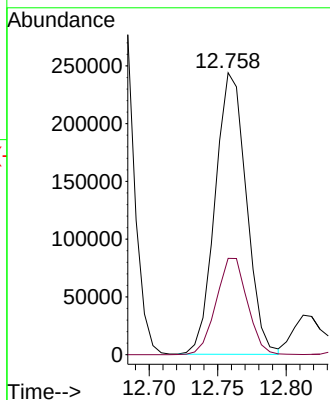
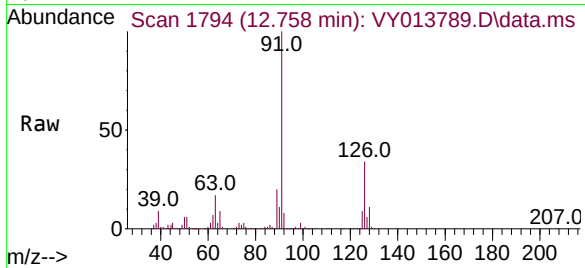




#79
2-Chlorotoluene
Concen: 50.923 ug/l
RT: 12.758 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013789.D
Acq: 17 May 2023 20:20

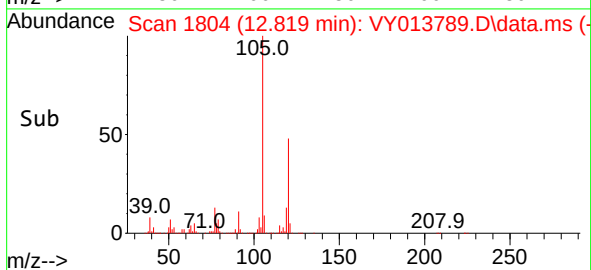
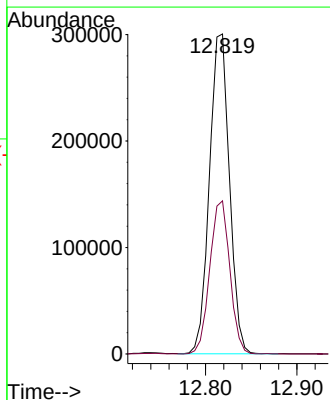
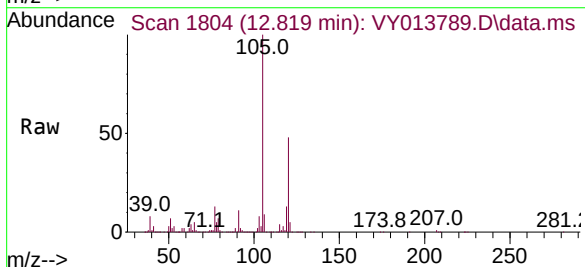
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

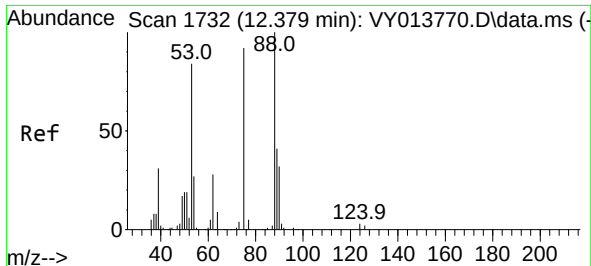
Tgt Ion: 91 Resp: 386586
Ion Ratio Lower Upper
91 100
126 34.2 17.1 51.2



#80
1,3,5-Trimethylbenzene
Concen: 51.365 ug/l
RT: 12.819 min Scan# 1804
Delta R.T. 0.006 min
Lab File: VY013789.D
Acq: 17 May 2023 20:20

Tgt Ion: 105 Resp: 457358
Ion Ratio Lower Upper
105 100
120 47.9 23.8 71.5

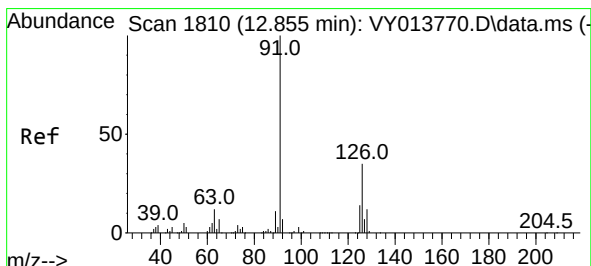
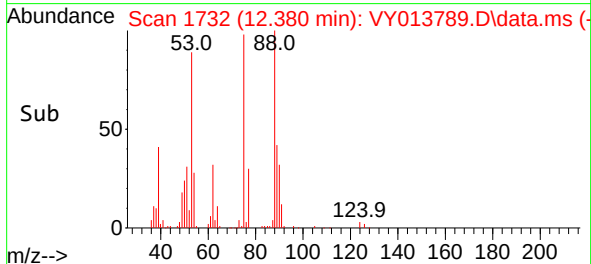
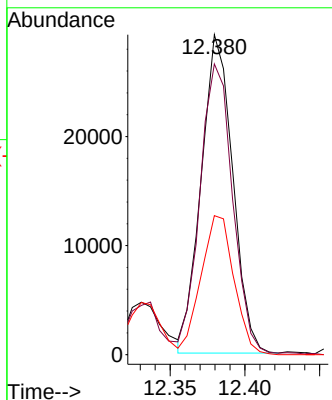
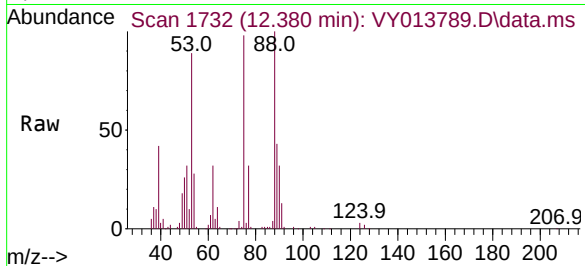




#81
trans-1,4-Dichloro-2-butene
Concen: 48.790 ug/l
RT: 12.380 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VY013789.D
Acq: 17 May 2023 20:20

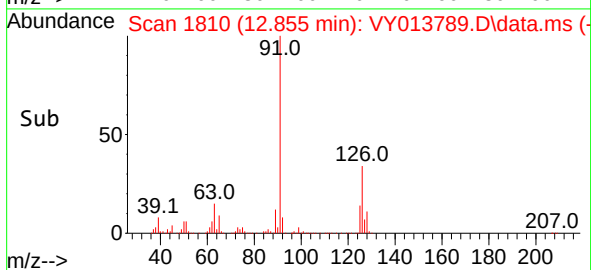
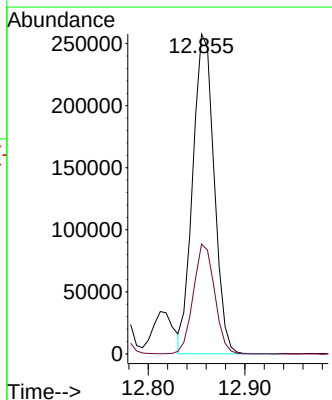
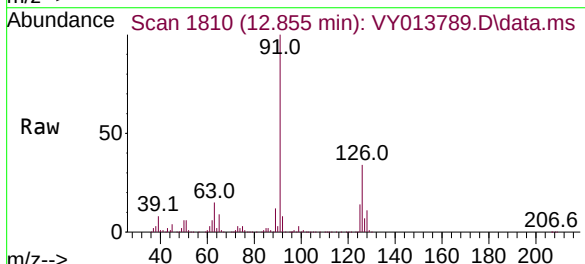
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

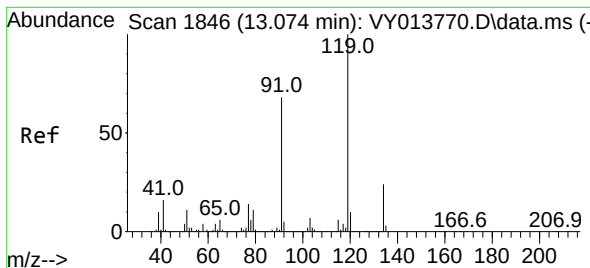
Tgt Ion: 75 Resp: 42780
Ion Ratio Lower Upper
75 100
53 95.2 75.3 112.9
89 45.8 35.4 53.2



#82
4-Chlorotoluene
Concen: 50.018 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VY013789.D
Acq: 17 May 2023 20:20

Tgt Ion: 91 Resp: 395542
Ion Ratio Lower Upper
91 100
126 34.4 16.8 50.4





#83

tert-Butylbenzene

Concen: 52.170 ug/l

RT: 13.081 min Scan# 1847

Delta R.T. 0.006 min

Lab File: VY013789.D

Acq: 17 May 2023 20:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

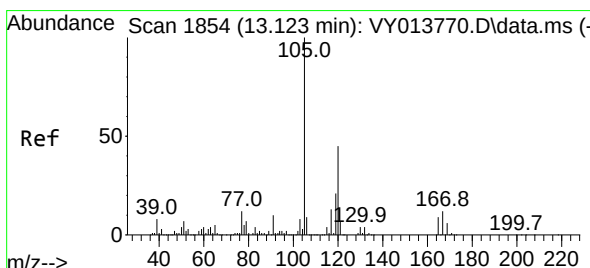
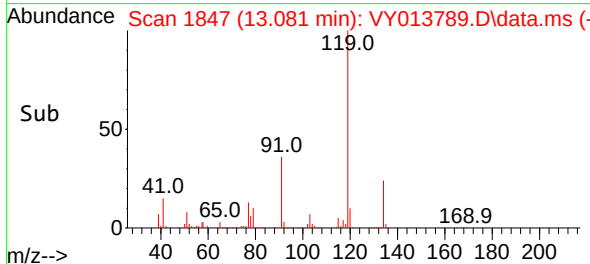
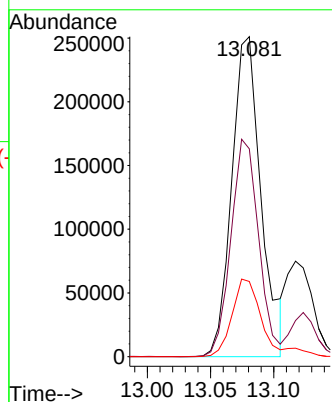
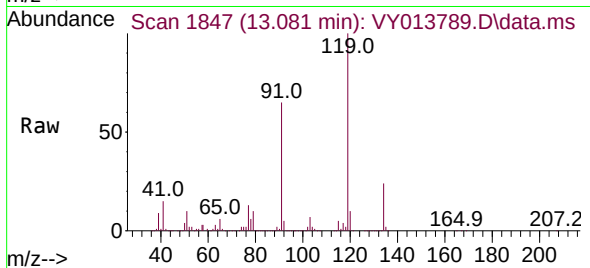
Tgt Ion:119 Resp: 404519

Ion Ratio Lower Upper

119 100

91 64.5 33.3 99.9

134 25.4 13.1 39.1



#84

1,2,4-Trimethylbenzene

Concen: 51.837 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.000 min

Lab File: VY013789.D

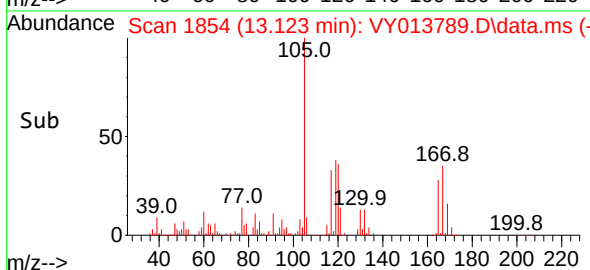
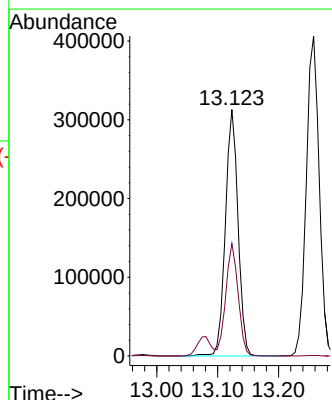
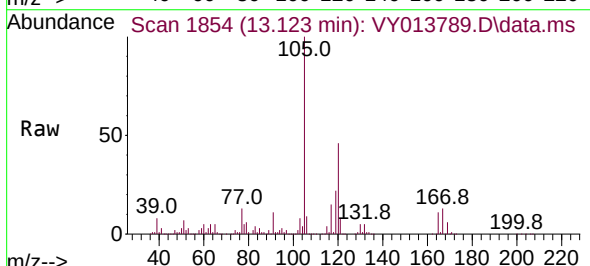
Acq: 17 May 2023 20:20

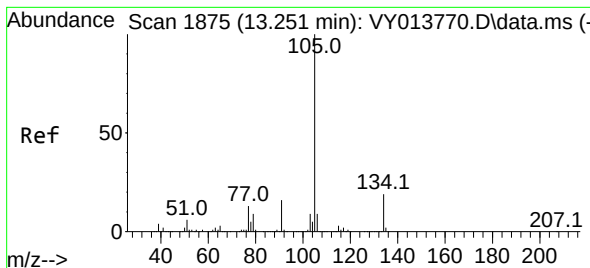
Tgt Ion:105 Resp: 452376

Ion Ratio Lower Upper

105 100

120 44.3 22.2 66.6





#85

sec-Butylbenzene

Concen: 51.015 ug/l

RT: 13.257 min Scan# 1876

Delta R.T. 0.006 min

Lab File: VY013789.D

Acq: 17 May 2023 20:20

Instrument :

MSVOA_Y

ClientSampleId :

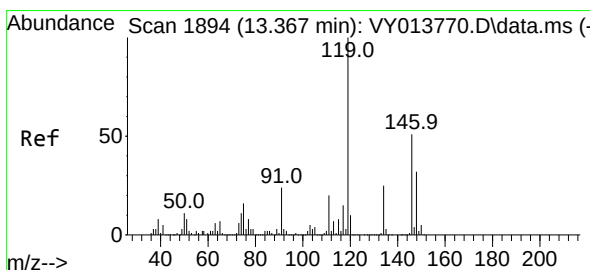
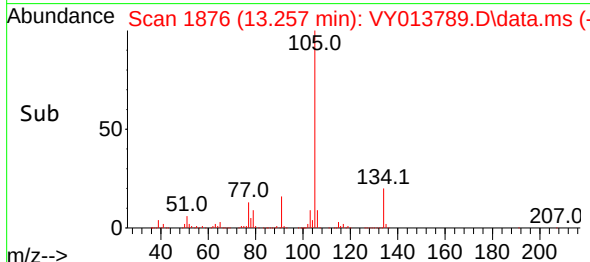
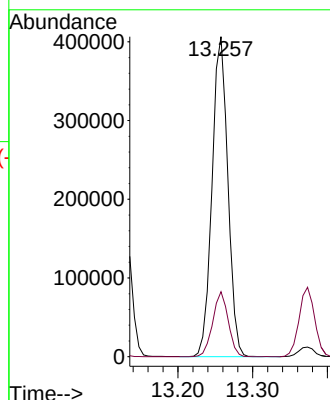
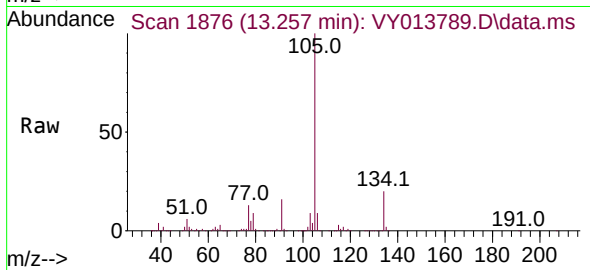
VSTDCCC050EC

Tgt Ion:105 Resp: 596834

Ion Ratio Lower Upper

105 100

134 19.9 9.9 29.7



#86

p-Isopropyltoluene

Concen: 51.036 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.006 min

Lab File: VY013789.D

Acq: 17 May 2023 20:20

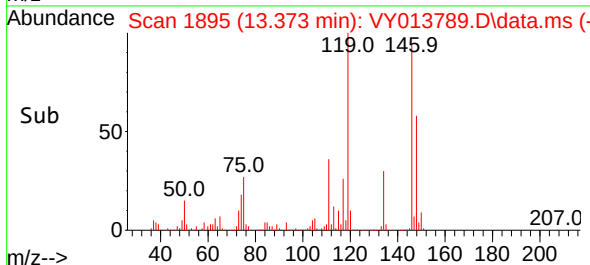
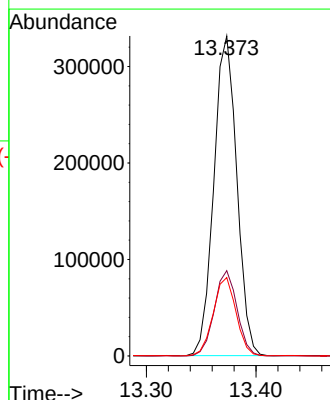
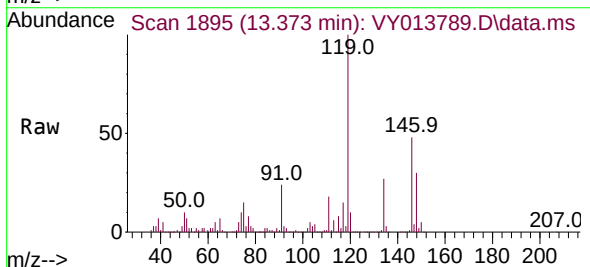
Tgt Ion:119 Resp: 482145

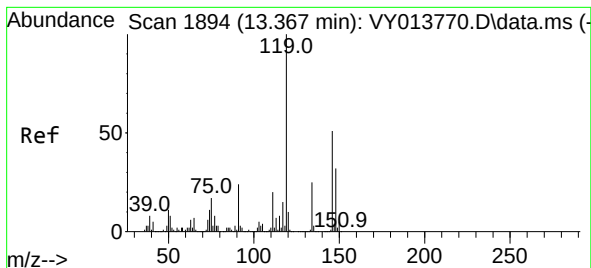
Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.3

91 24.3 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 50.137 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY013789.D

Acq: 17 May 2023 20:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

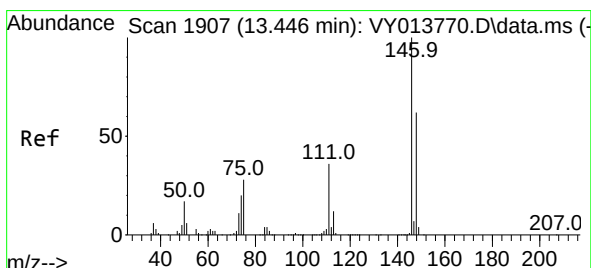
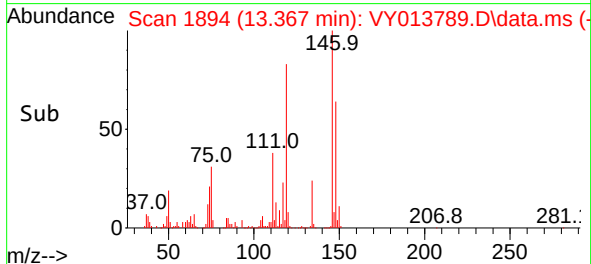
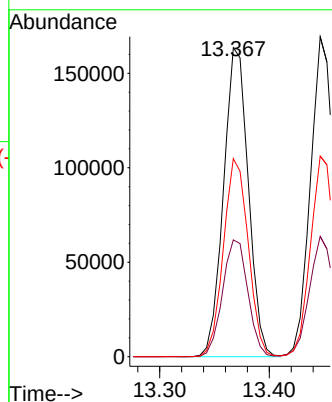
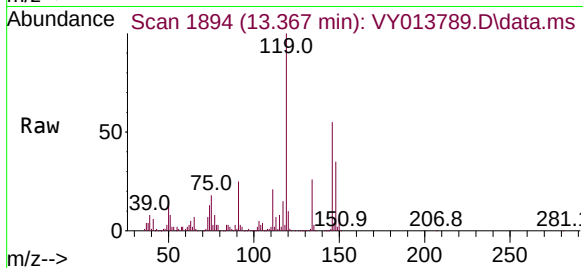
Tgt Ion:146 Resp: 257108

Ion Ratio Lower Upper

146 100

111 38.6 19.7 59.0

148 64.1 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 49.772 ug/l

RT: 13.446 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY013789.D

Acq: 17 May 2023 20:20

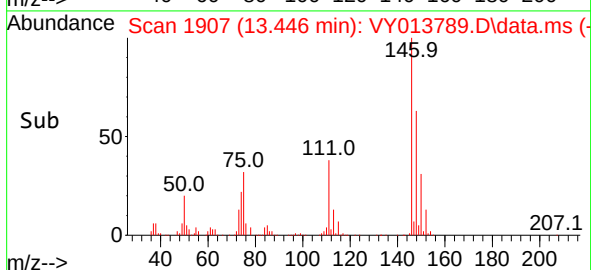
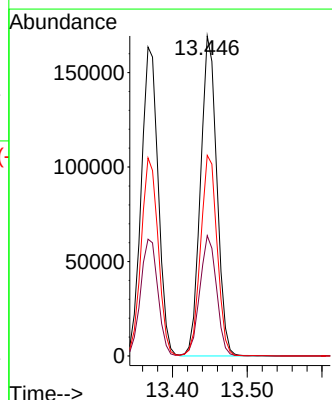
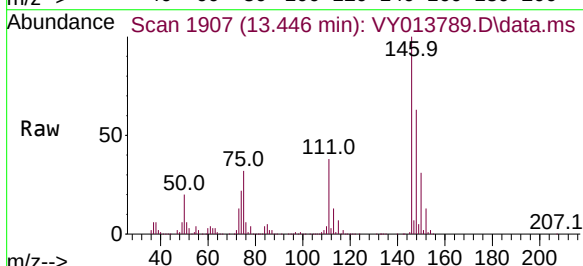
Tgt Ion:146 Resp: 256644

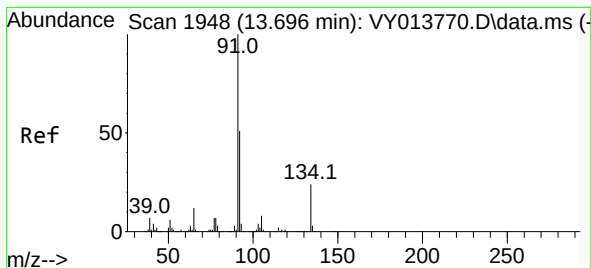
Ion Ratio Lower Upper

146 100

111 38.3 18.9 56.7

148 63.6 31.6 94.7





#89

n-Butylbenzene

Concen: 49.638 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY013789.D

Acq: 17 May 2023 20:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

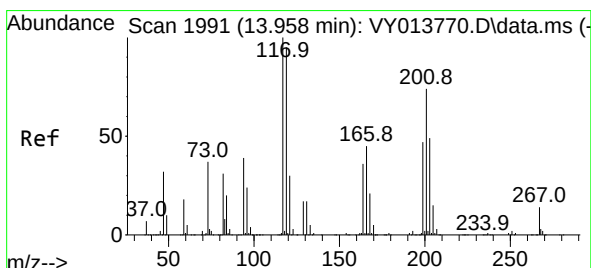
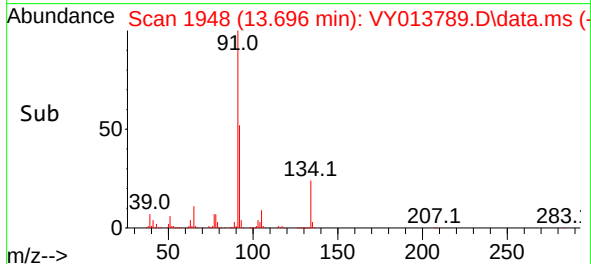
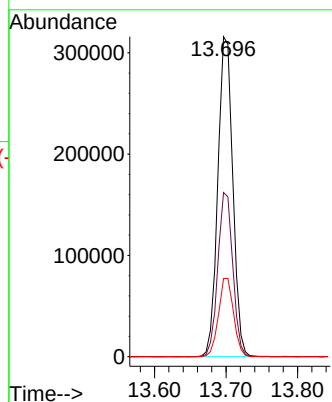
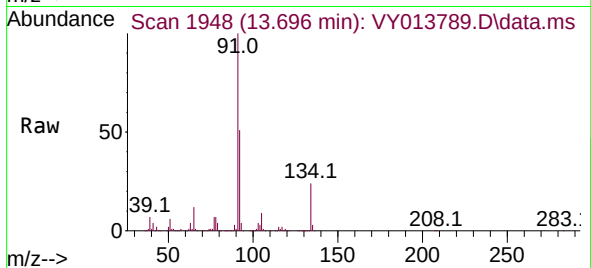
Tgt Ion: 91 Resp: 459747

Ion Ratio Lower Upper

91 100

92 51.2 25.4 76.4

134 24.7 12.2 36.6



#90

Hexachloroethane

Concen: 49.235 ug/l

RT: 13.965 min Scan# 1992

Delta R.T. 0.006 min

Lab File: VY013789.D

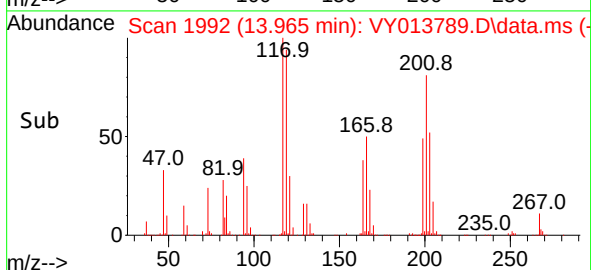
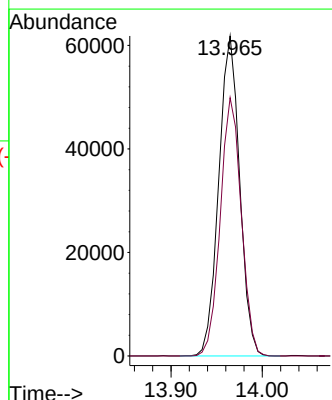
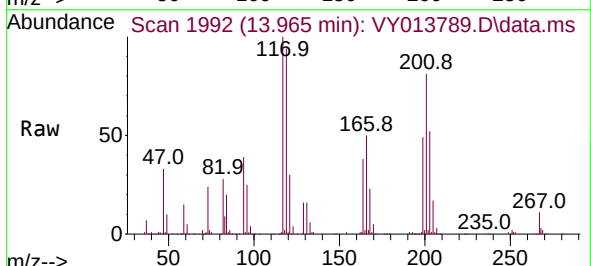
Acq: 17 May 2023 20:20

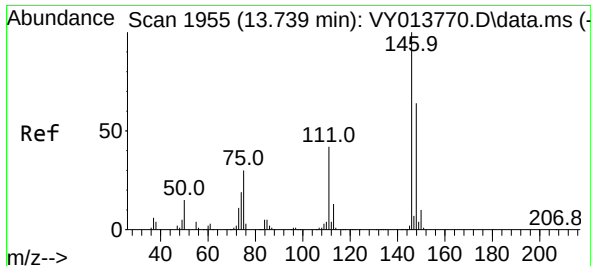
Tgt Ion: 117 Resp: 98290

Ion Ratio Lower Upper

117 100

201 81.0 39.2 117.6





#91

1,2-Dichlorobenzene

Concen: 50.964 ug/l

RT: 13.745 min Scan# 1955

Delta R.T. 0.006 min

Lab File: VY013789.D

Acq: 17 May 2023 20:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

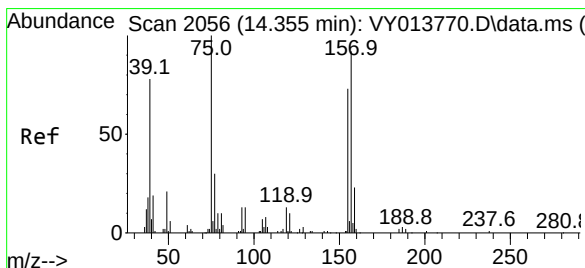
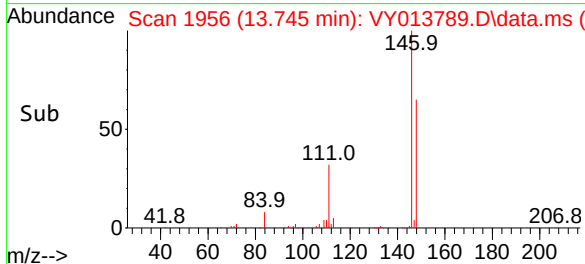
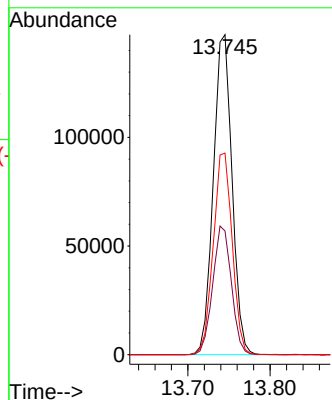
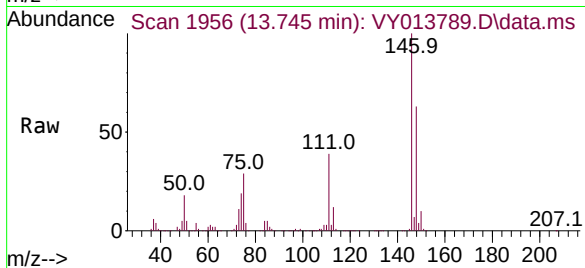
Tgt Ion:146 Resp: 232725

Ion Ratio Lower Upper

146 100

111 40.2 20.0 59.9

148 63.8 31.9 95.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.547 ug/l

RT: 14.361 min Scan# 2057

Delta R.T. 0.006 min

Lab File: VY013789.D

Acq: 17 May 2023 20:20

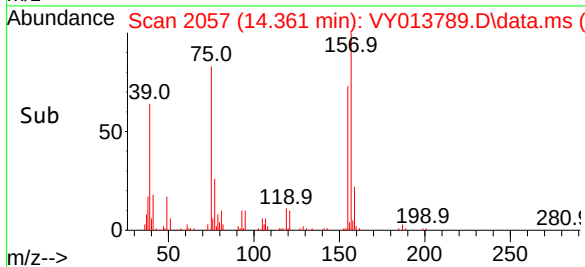
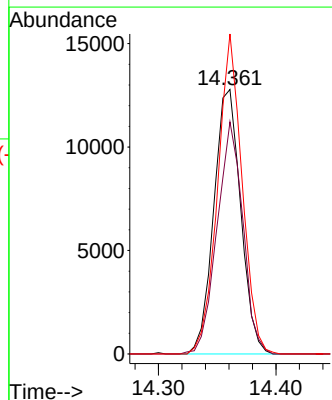
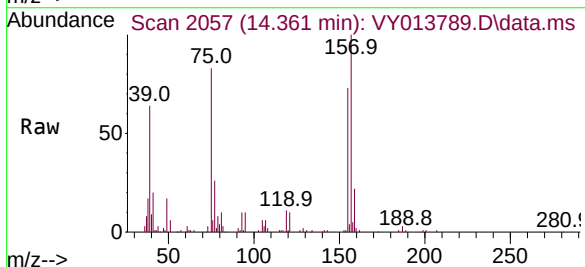
Tgt Ion: 75 Resp: 20348

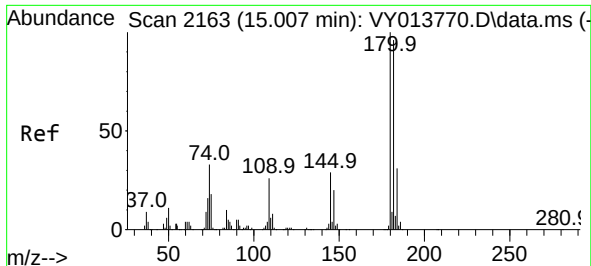
Ion Ratio Lower Upper

75 100

155 84.0 39.1 117.3

157 109.9 50.2 150.7

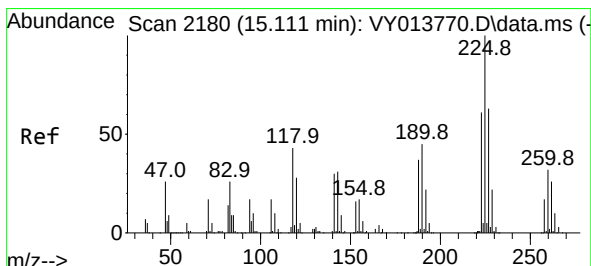
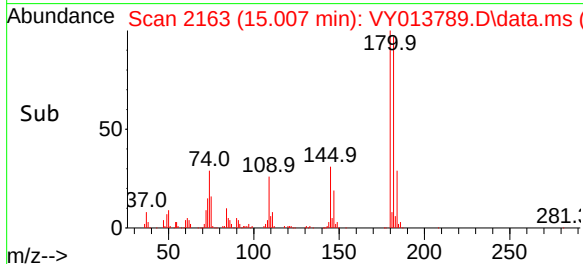
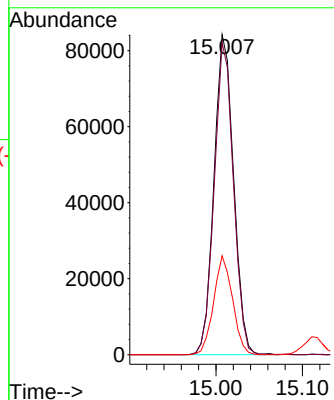
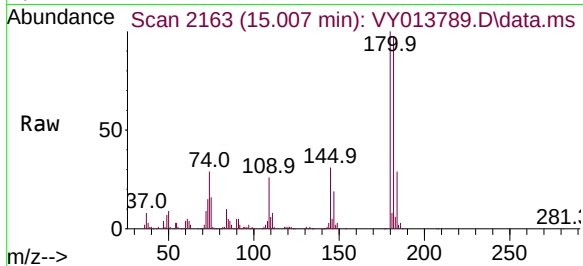




#93
1,2,4-Trichlorobenzene
Concen: 48.849 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. 0.000 min
Lab File: VY013789.D
Acq: 17 May 2023 20:20

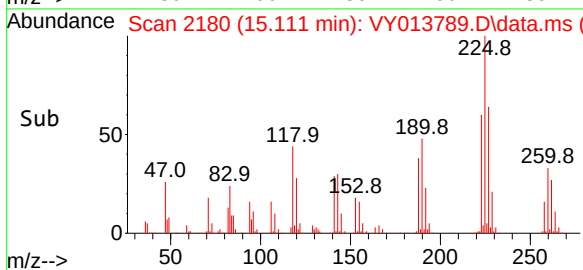
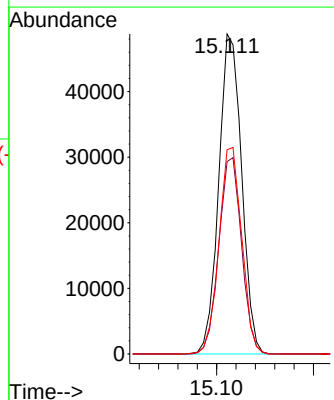
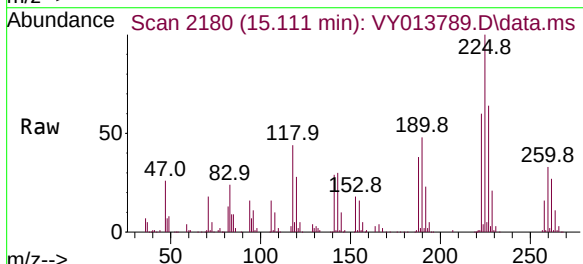
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

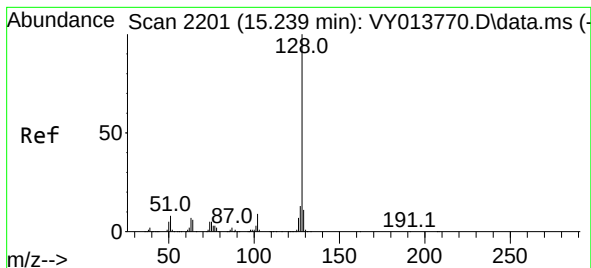
Tgt Ion:180 Resp: 132374
Ion Ratio Lower Upper
180 100
182 95.2 47.4 142.3
145 29.8 14.9 44.9



#94
Hexachlorobutadiene
Concen: 47.479 ug/l
RT: 15.111 min Scan# 2180
Delta R.T. 0.000 min
Lab File: VY013789.D
Acq: 17 May 2023 20:20

Tgt Ion:225 Resp: 79925
Ion Ratio Lower Upper
225 100
223 61.1 30.6 91.6
227 64.3 31.6 94.7





#95

Naphthalene

Concen: 50.083 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY013789.D

Acq: 17 May 2023 20:20

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

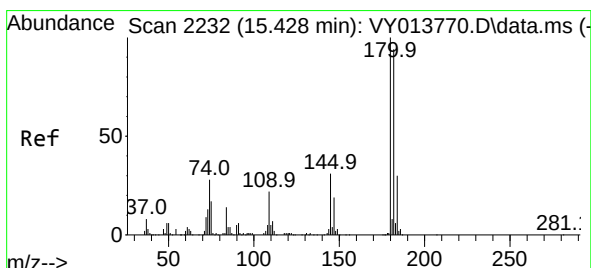
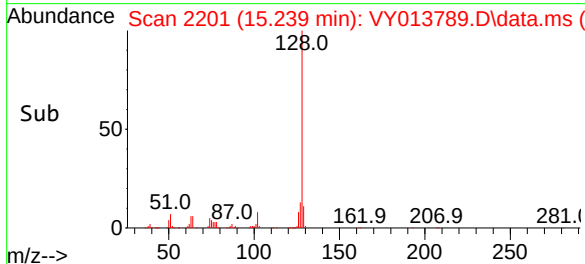
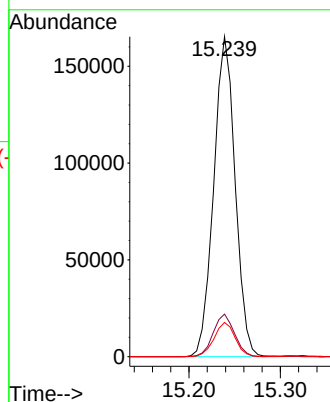
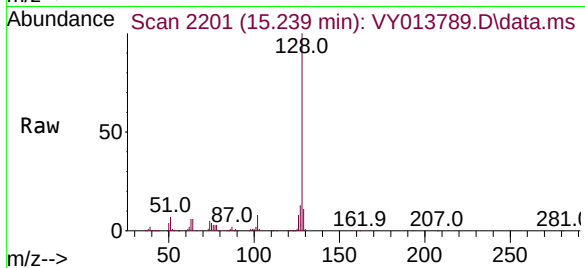
Tgt Ion:128 Resp: 269364

Ion Ratio Lower Upper

128 100

127 13.2 10.8 16.2

129 10.5 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 47.638 ug/l

RT: 15.428 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY013789.D

Acq: 17 May 2023 20:20

Tgt Ion:180 Resp: 116147

Ion Ratio Lower Upper

180 100

182 95.2 47.8 143.4

145 30.6 15.6 46.7

