

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052623\
 Data File : VY013908.D
 Acq On : 26 May 2023 21:03
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 29 04:37:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	228085	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	344575	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	324029	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	168469	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	147307	55.825	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.660%	
35) Dibromofluoromethane	7.722	113	120653	54.219	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.440%	
50) Toluene-d8	10.179	98	436594	51.622	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.240%	
62) 4-Bromofluorobenzene	12.483	95	157039	55.860	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 111.720%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	102735	49.174	ug/l	98
3) Chloromethane	2.113	50	118984	46.747	ug/l	98
4) Vinyl Chloride	2.253	62	122456	47.046	ug/l	100
5) Bromomethane	2.656	94	100307	48.494	ug/l	98
6) Chloroethane	2.796	64	81631	48.128	ug/l	98
7) Trichlorofluoromethane	3.125	101	212988	48.620	ug/l	99
8) Diethyl Ether	3.534	74	68769	51.180	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.900	101	110470	46.518	ug/l	100
10) Methyl Iodide	4.088	142	127882	45.359	ug/l	99
11) Tert butyl alcohol	4.979	59	64268	317.932	ug/l #	83
12) 1,1-Dichloroethene	3.875	96	107214	48.056	ug/l	97
13) Acrolein	3.735	56	90934	299.062	ug/l	97
14) Allyl chloride	4.485	41	184991	45.418	ug/l	100
15) Acrylonitrile	5.168	53	206922	300.351	ug/l	100
16) Acetone	3.954	43	203185	259.439	ug/l	98
17) Carbon Disulfide	4.198	76	309532	46.479	ug/l	98
18) Methyl Acetate	4.485	43	159666	58.765	ug/l	100
19) Methyl tert-butyl Ether	5.222	73	325797	53.510	ug/l	97
20) Methylene Chloride	4.716	84	147072	53.122	ug/l	98
21) trans-1,2-Dichloroethene	5.222	96	117135	48.298	ug/l	92
22) Diisopropyl ether	6.125	45	402805	51.220	ug/l	98
23) Vinyl Acetate	6.064	43	1283608	280.237	ug/l	99
24) 1,1-Dichloroethane	6.021	63	218717	47.639	ug/l	100
25) 2-Butanone	6.990	43	280630	293.653	ug/l	97
26) 2,2-Dichloropropane	6.984	77	183530	44.379	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	133268	48.915	ug/l	99
28) Bromochloromethane	7.332	49	65913	48.913	ug/l	98
29) Tetrahydrofuran	7.350	42	192763	337.844	ug/l	98
30) Chloroform	7.509	83	234118	50.298	ug/l	98
31) Cyclohexane	7.789	56	180199	44.447	ug/l	97
32) 1,1,1-Trichloroethane	7.704	97	205015	48.281	ug/l	98
36) 1,1-Dichloropropene	7.917	75	165905	48.948	ug/l	99
37) Ethyl Acetate	7.076	43	136034	65.797	ug/l	99
38) Carbon Tetrachloride	7.905	117	190544	49.434	ug/l	97
39) Methylcyclohexane	9.185	83	191209	48.171	ug/l	98
40) Benzene	8.161	78	490310	50.366	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.350	41	182408	161.701	ug/l #	32
42) 1,2-Dichloroethane	8.240	62	175225	54.974	ug/l	99
43) Isopropyl Acetate	8.277	43	226519	60.124	ug/l	100
44) Trichloroethene	8.941	130	128649	49.051	ug/l	97
45) 1,2-Dichloropropane	9.216	63	126621	50.773	ug/l	99
46) Dibromomethane	9.307	93	80205	56.156	ug/l	98
47) Bromodichloromethane	9.496	83	181541	52.157	ug/l	99
48) Methyl methacrylate	9.295	41	106559	60.232	ug/l	95
49) 1,4-Dioxane	9.313	88	23635	1408.052	ug/l #	98
51) 4-Methyl-2-Pentanone	10.069	43	680875	339.117	ug/l	98
52) Toluene	10.246	92	307141	51.745	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	189297	53.428	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	205479	51.768	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	107634	56.016	ug/l	98
56) Ethyl methacrylate	10.514	69	155304	60.548	ug/l	100
57) 1,3-Dichloropropane	10.795	76	184675	56.433	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	222951	272.416	ug/l	100
59) 2-Hexanone	10.831	43	494074	345.949	ug/l	99
60) Dibromochloromethane	10.990	129	134892	55.497	ug/l	100
61) 1,2-Dibromoethane	11.093	107	104549	57.196	ug/l	99
64) Tetrachloroethene	10.721	164	116648	48.654	ug/l	96
65) Chlorobenzene	11.520	112	328570	48.381	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	132040	50.375	ug/l	99
67) Ethyl Benzene	11.593	91	592790	48.505	ug/l	99
68) m/p-Xylenes	11.703	106	452571	97.852	ug/l	100
69) o-Xylene	12.032	106	214080	49.139	ug/l	99
70) Styrene	12.044	104	377485	51.152	ug/l	100
71) Bromoform	12.209	173	95308	55.634	ug/l #	98
73) Isopropylbenzene	12.331	105	564824	45.045	ug/l	100
74) N-amyl acetate	12.148	43	209149	55.478	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	142703	54.977	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	186249	93.759	ug/l #	100
77) Bromobenzene	12.611	156	144375	46.925	ug/l	98
78) n-propylbenzene	12.672	91	705872	45.567	ug/l	100
79) 2-Chlorotoluene	12.758	91	398839	46.094	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	479918	46.367	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	49864	54.488	ug/l	100
82) 4-Chlorotoluene	12.855	91	415099	46.415	ug/l	97
83) tert-Butylbenzene	13.081	119	415755	46.120	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	480693	47.312	ug/l	100
85) sec-Butylbenzene	13.258	105	605663	45.229	ug/l	99
86) p-Isopropyltoluene	13.373	119	502972	45.444	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	276291	46.495	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	277067	46.833	ug/l	98
89) n-Butylbenzene	13.697	91	482199	45.432	ug/l	99
90) Hexachloroethane	13.965	117	100259	44.119	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	253788	48.056	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	26838	59.015	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	157165	48.005	ug/l	99
94) Hexachlorobutadiene	15.111	225	89632	43.420	ug/l	99
95) Naphthalene	15.239	128	360191	50.087	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	147434	50.639	ug/l	99

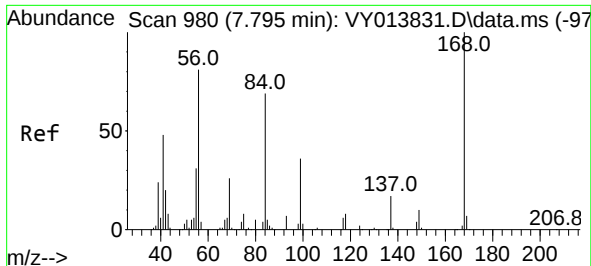
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QLast Update : Wed May 24 05:25:47 2023
Response via : Initial Calibration

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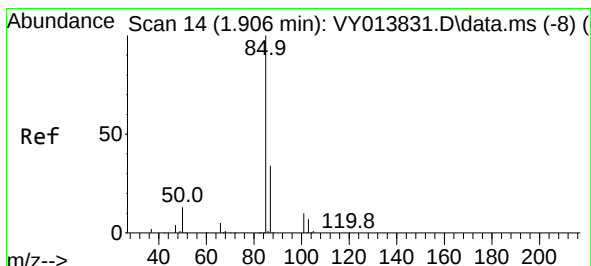
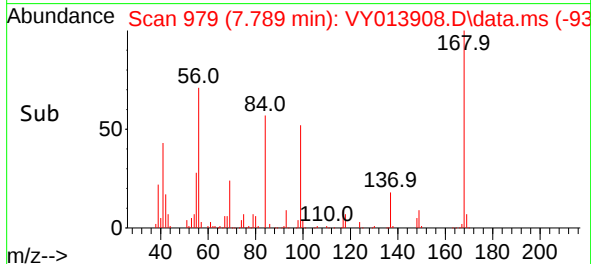
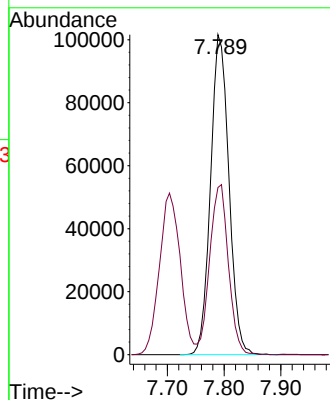
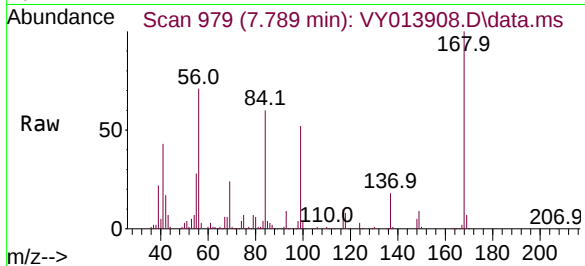
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

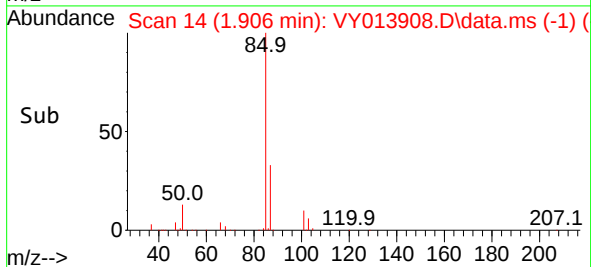
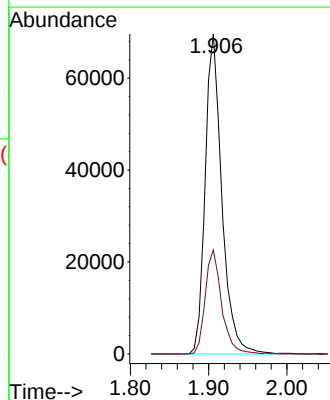
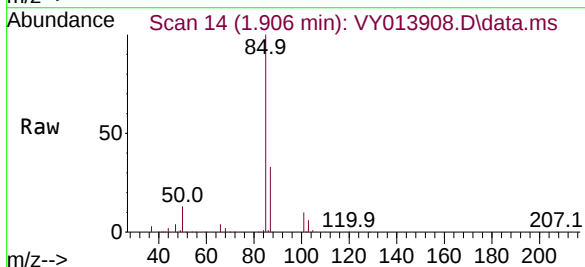
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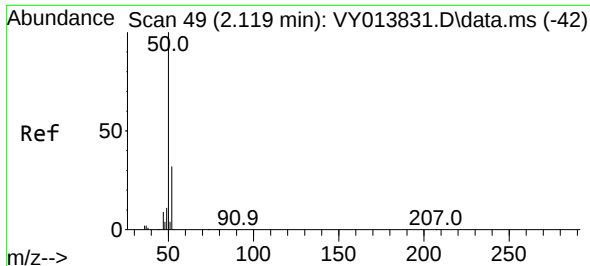
Tgt Ion:168 Resp: 228085
Ion Ratio Lower Upper
168 100
99 52.2 43.4 65.2



#2
Dichlorodifluoromethane
Concen: 49.174 ug/l
RT: 1.906 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

Tgt Ion: 85 Resp: 102735
Ion Ratio Lower Upper
85 100
87 32.5 16.9 50.7

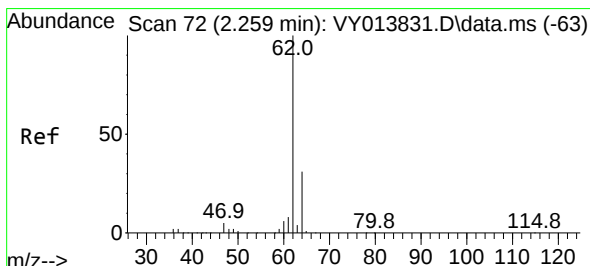
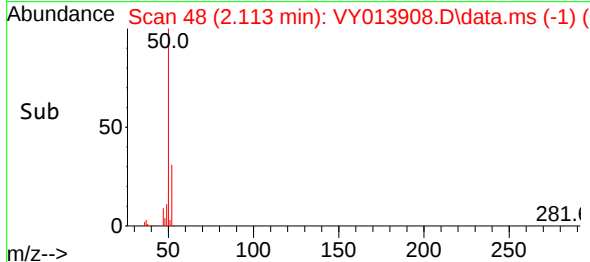
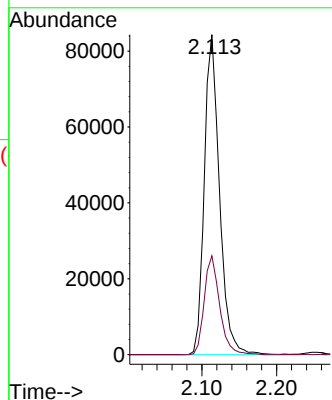
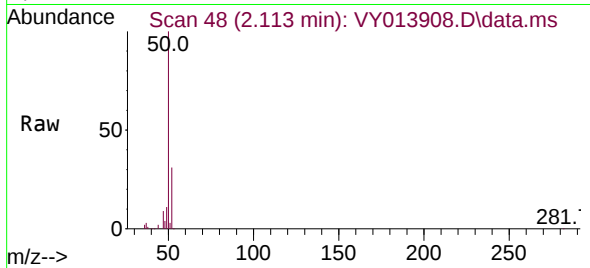




#3
Chloromethane
Concen: 46.747 ug/l
RT: 2.113 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

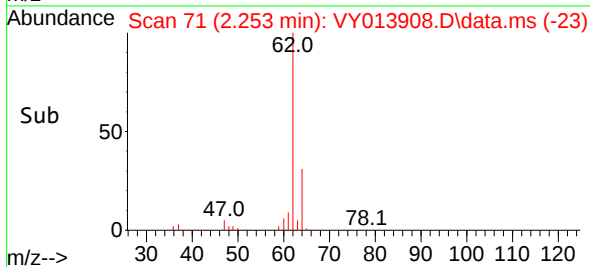
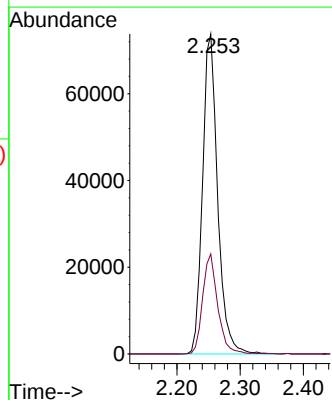
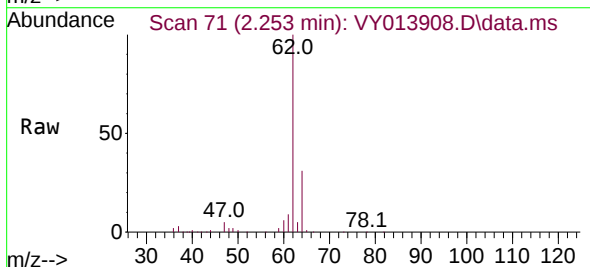
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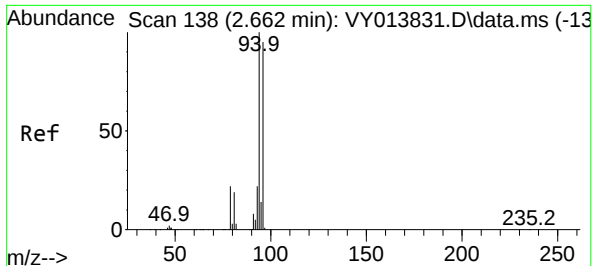
Tgt Ion: 50 Resp: 118984
Ion Ratio Lower Upper
50 100
52 30.9 25.7 38.5



#4
Vinyl Chloride
Concen: 47.046 ug/l
RT: 2.253 min Scan# 71
Delta R.T. -0.006 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

Tgt Ion: 62 Resp: 122456
Ion Ratio Lower Upper
62 100
64 31.3 24.8 37.2

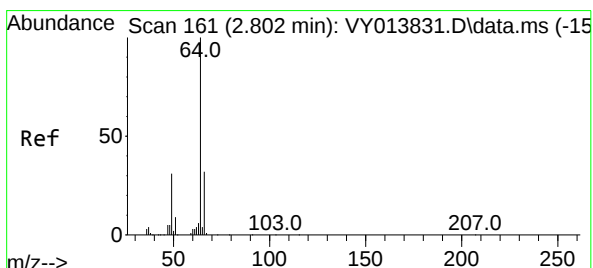
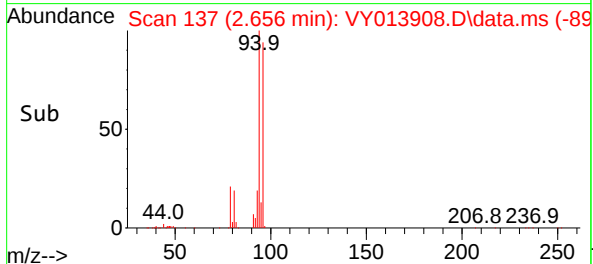
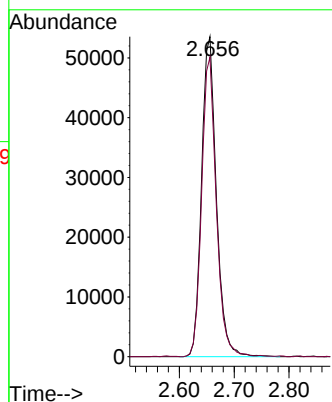
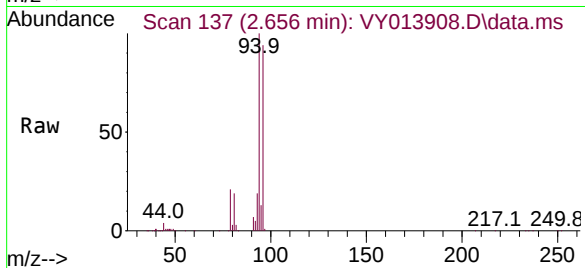




#5
Bromomethane
Concen: 48.494 ug/l
RT: 2.656 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

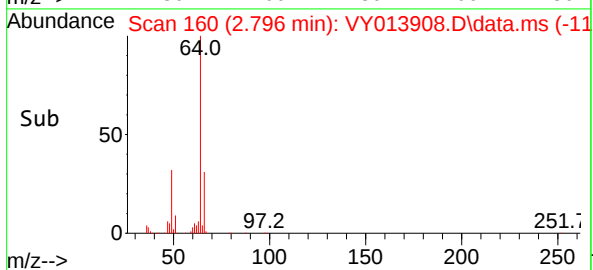
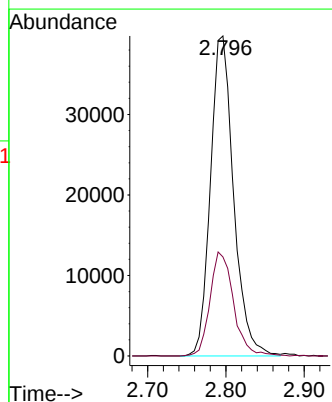
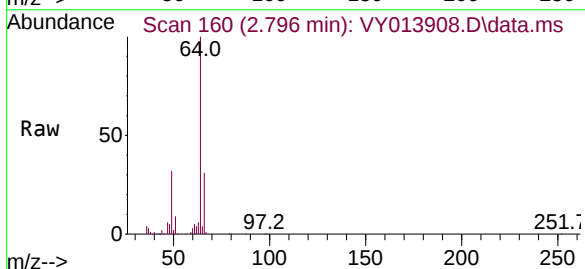
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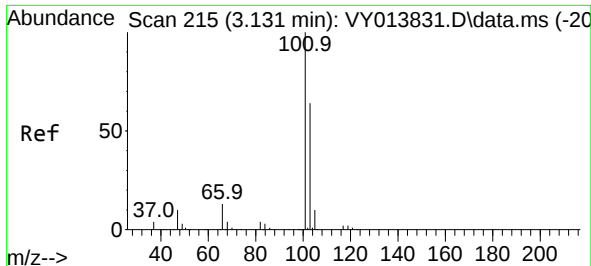
Tgt Ion: 94 Resp: 100307
Ion Ratio Lower Upper
94 100
96 93.5 76.2 114.2



#6
Chloroethane
Concen: 48.128 ug/l
RT: 2.796 min Scan# 160
Delta R.T. -0.006 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

Tgt Ion: 64 Resp: 81631
Ion Ratio Lower Upper
64 100
66 31.0 25.7 38.5

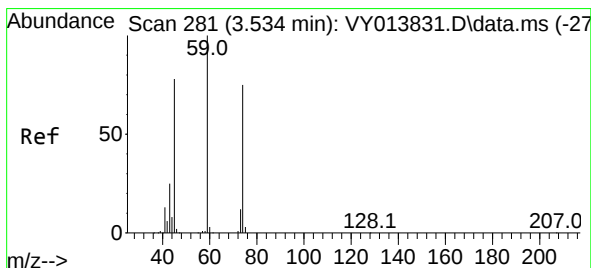
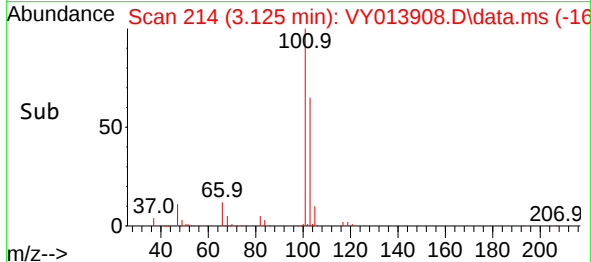
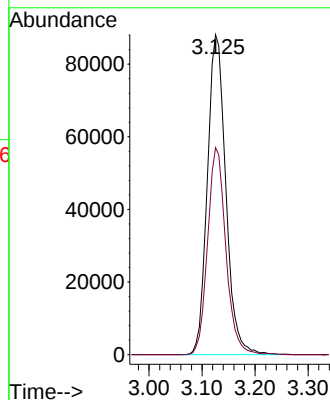
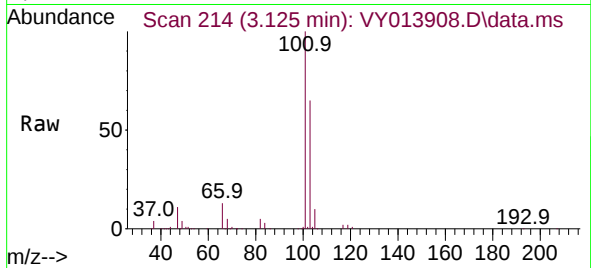




#7
Trichlorofluoromethane
Concen: 48.620 ug/l
RT: 3.125 min Scan# 215
Delta R.T. -0.006 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

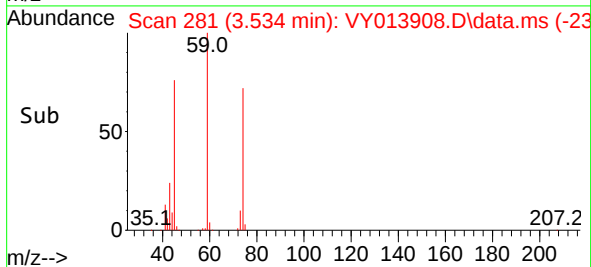
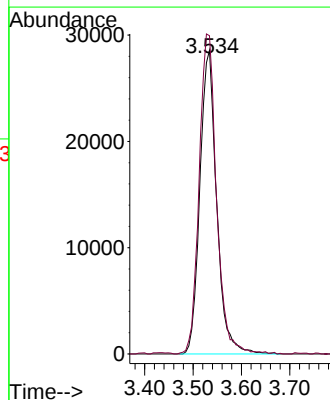
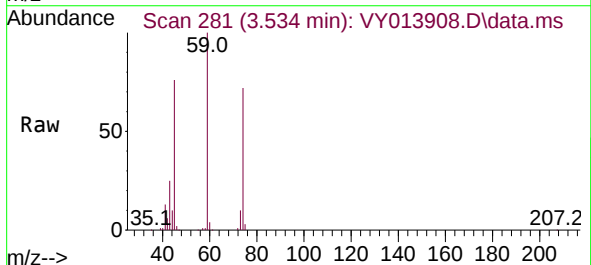
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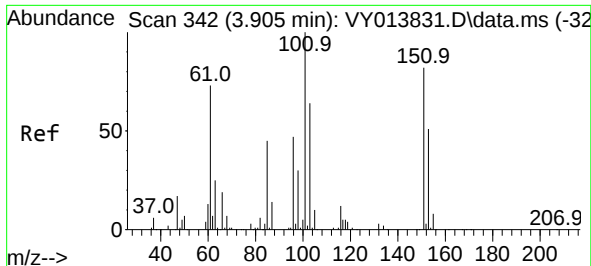
Tgt Ion:101 Resp: 212988
Ion Ratio Lower Upper
101 100
103 64.7 51.3 76.9



#8
Diethyl Ether
Concen: 51.180 ug/l
RT: 3.534 min Scan# 281
Delta R.T. 0.000 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

Tgt Ion: 74 Resp: 68769
Ion Ratio Lower Upper
74 100
45 109.3 51.8 155.5

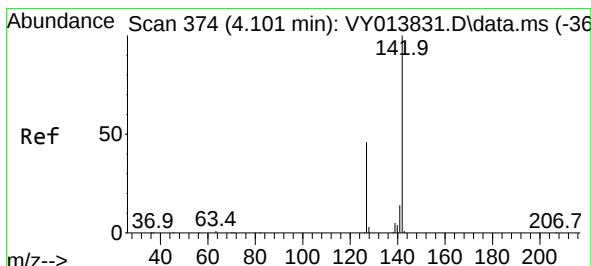
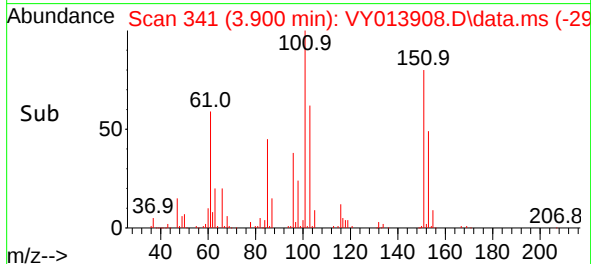
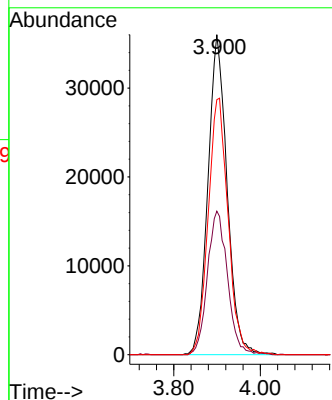
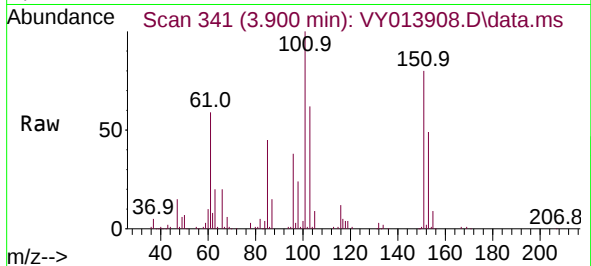




#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.518 ug/l
RT: 3.900 min Scan# 341
Delta R.T. -0.006 min
Lab File: VY013908.D
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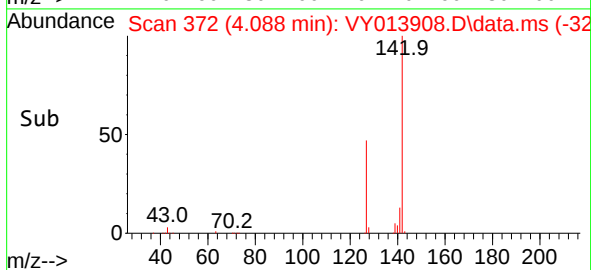
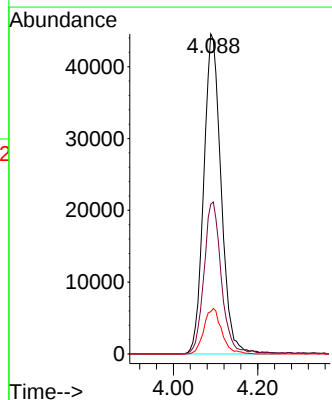
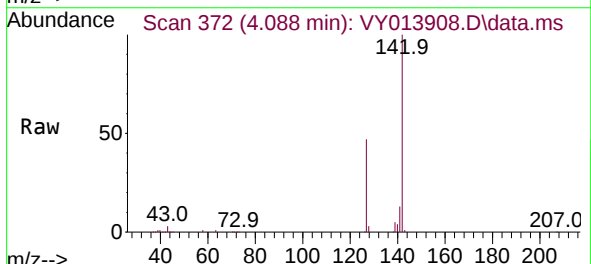
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

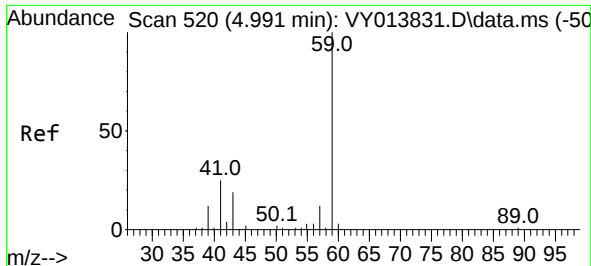
Tgt Ion:101 Resp: 110470
Ion Ratio Lower Upper
101 100
85 47.1 37.4 56.2
151 83.3 66.6 100.0



#10
Methyl Iodide
Concen: 45.359 ug/l
RT: 4.088 min Scan# 372
Delta R.T. -0.012 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

Tgt Ion:142 Resp: 127882
Ion Ratio Lower Upper
142 100
127 47.2 37.0 55.4
141 14.5 11.8 17.6





#11

Tert butyl alcohol

Concen: 317.932 ug/l

RT: 4.979 min Scan# 51

Delta R.T. -0.012 min

Lab File: VY013908.D

Acq: 26 May 2023 21:03

Instrument :

MSVOA_Y

ClientSampleId :

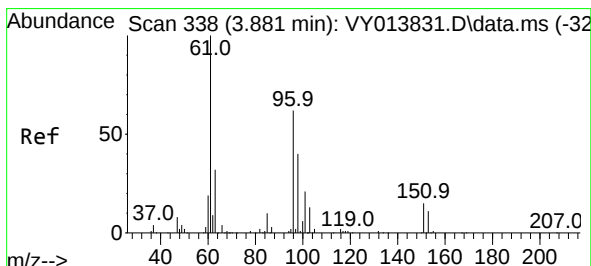
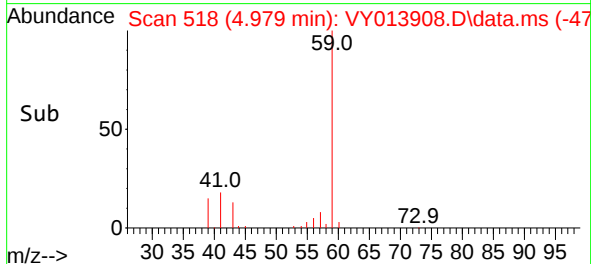
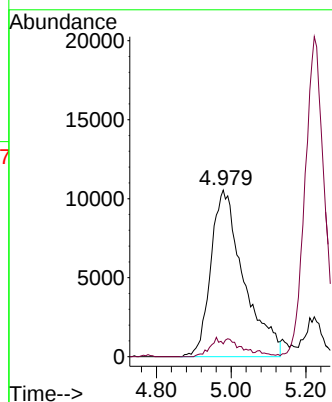
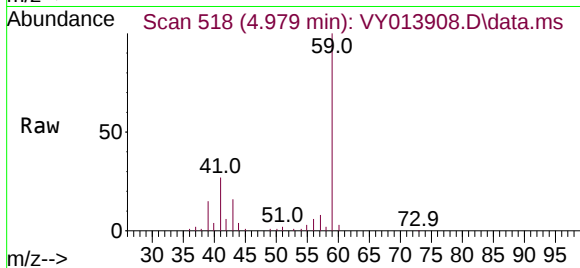
VSTDCCC050EC

Tgt Ion: 59 Resp: 64268

Ion Ratio Lower Upper

59 100

57 3.7 8.1 12.1#



#12

1,1-Dichloroethene

Concen: 48.056 ug/l

RT: 3.875 min Scan# 337

Delta R.T. -0.006 min

Lab File: VY013908.D

Acq: 26 May 2023 21:03

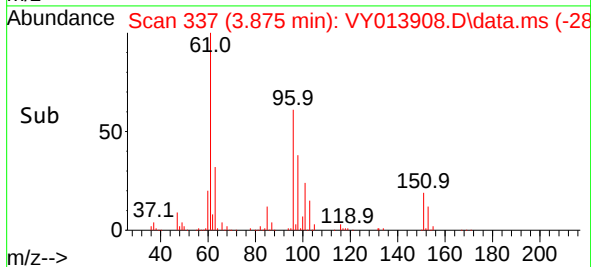
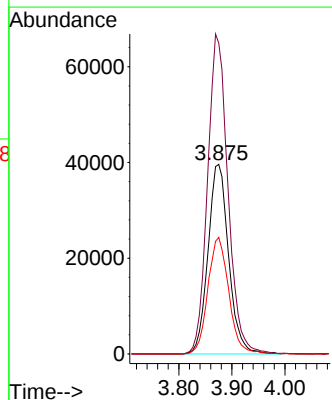
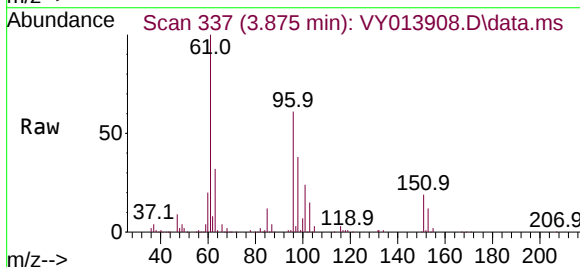
Tgt Ion: 96 Resp: 107214

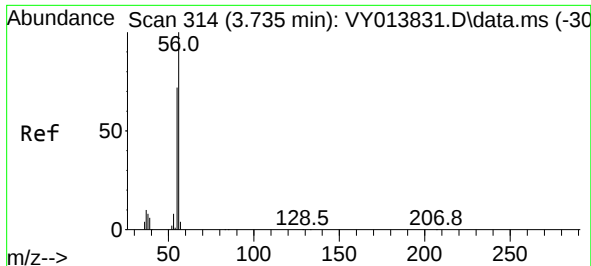
Ion Ratio Lower Upper

96 100

61 163.9 129.0 193.4

98 61.5 52.0 78.0





#13

Acrolein

Concen: 299.062 ug/l

RT: 3.735 min Scan# 314

Delta R.T. 0.000 min

Lab File: VY013908.D

Acq: 26 May 2023 21:03

Instrument :

MSVOA_Y

ClientSampleId :

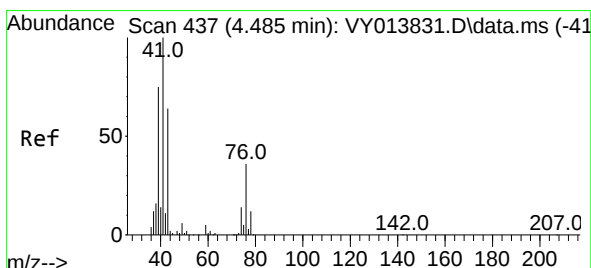
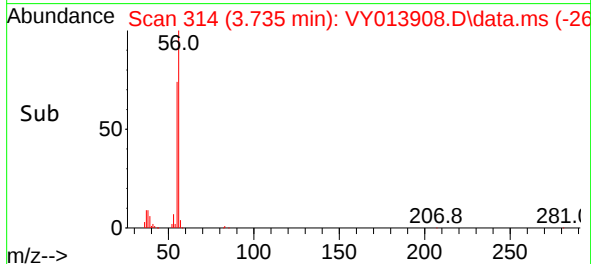
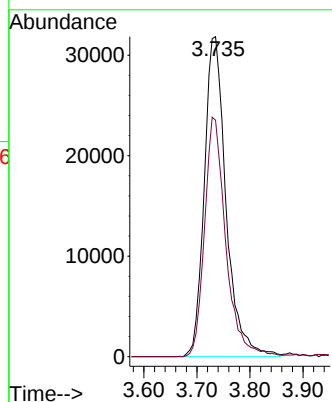
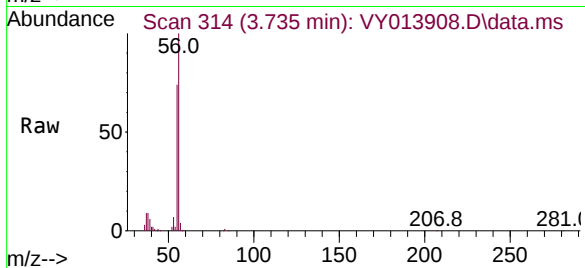
VSTDCCC050EC

Tgt Ion: 56 Resp: 90934

Ion Ratio Lower Upper

56 100

55 72.8 56.2 84.2



#14

Allyl chloride

Concen: 45.418 ug/l

RT: 4.485 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY013908.D

Acq: 26 May 2023 21:03

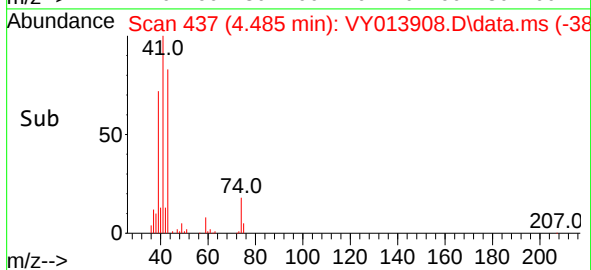
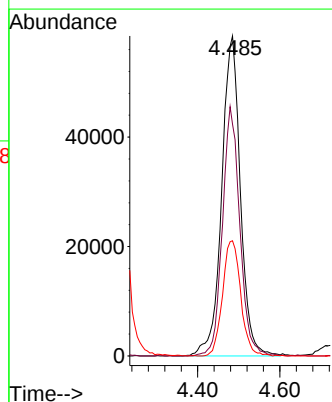
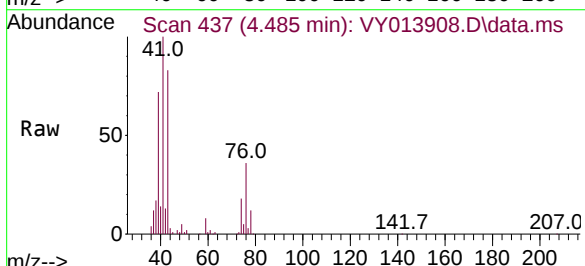
Tgt Ion: 41 Resp: 184991

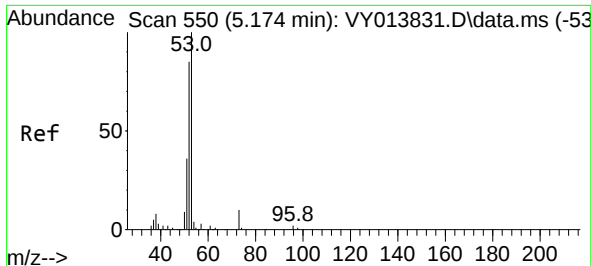
Ion Ratio Lower Upper

41 100

39 72.5 58.3 87.5

76 35.0 28.0 42.0

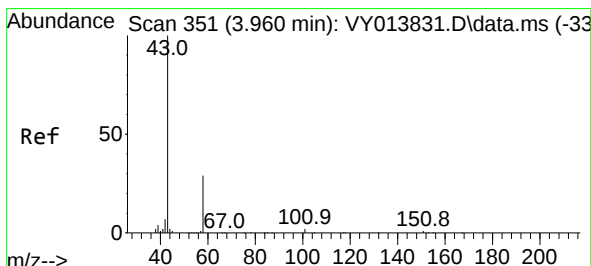
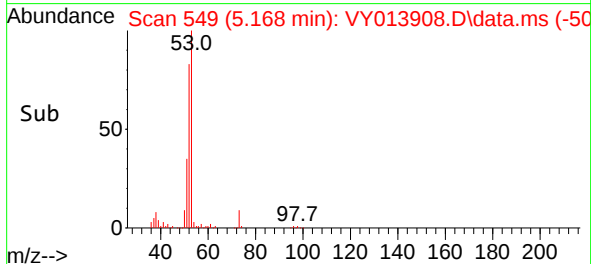
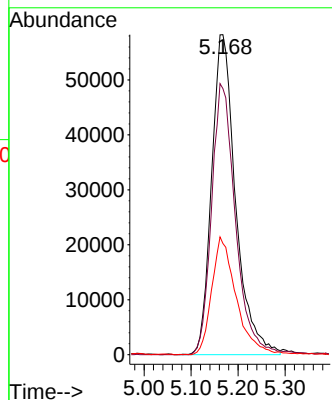
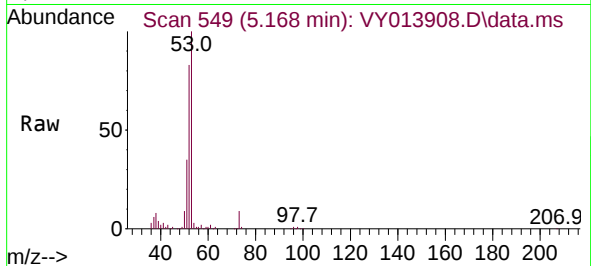




#15
Acrylonitrile
Concen: 300.351 ug/l
RT: 5.168 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

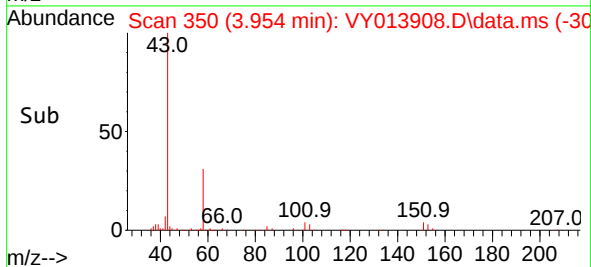
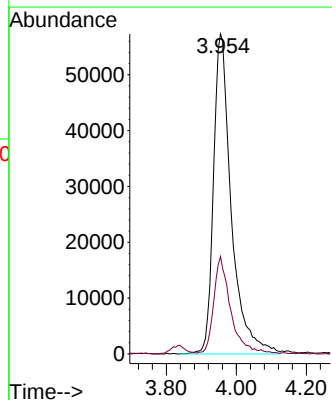
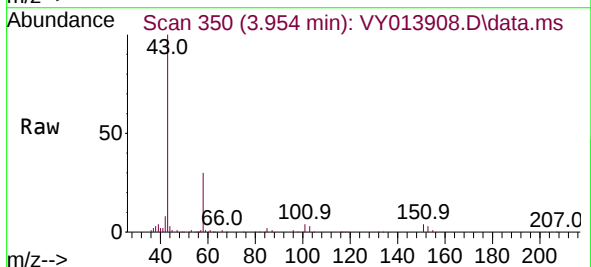
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

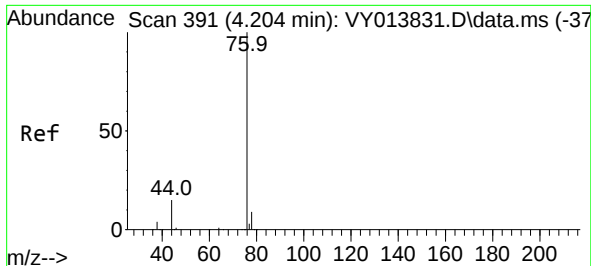
Tgt Ion: 53 Resp: 206922
Ion Ratio Lower Upper
53 100
52 84.5 67.2 100.8
51 37.6 30.2 45.2



#16
Acetone
Concen: 259.439 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

Tgt Ion: 43 Resp: 203185
Ion Ratio Lower Upper
43 100
58 30.2 23.3 34.9

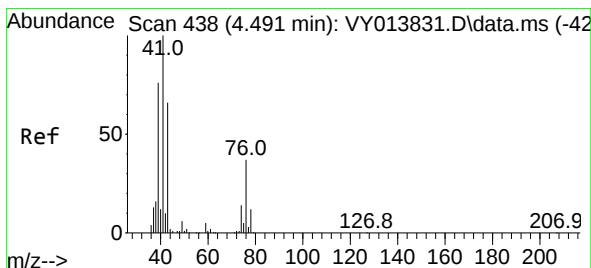
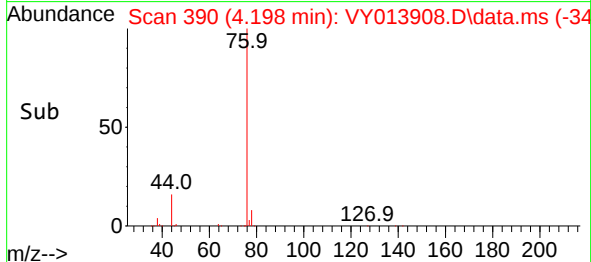
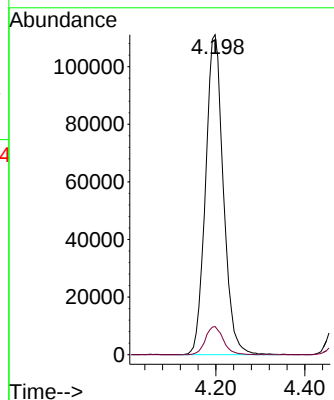
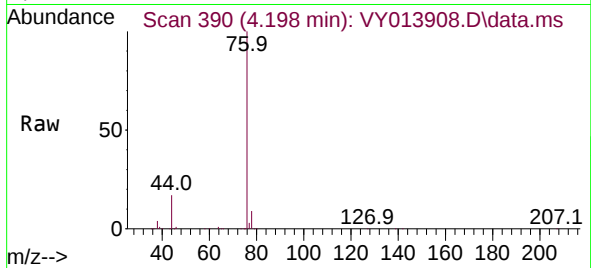




#17
Carbon Disulfide
Concen: 46.479 ug/l
RT: 4.198 min Scan# 391
Delta R.T. -0.006 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

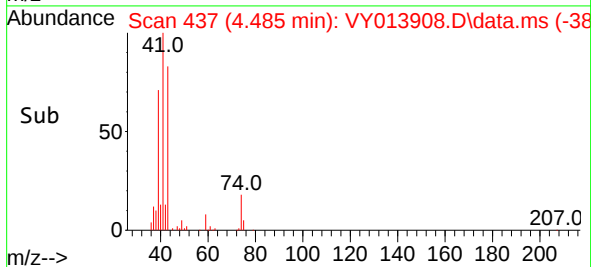
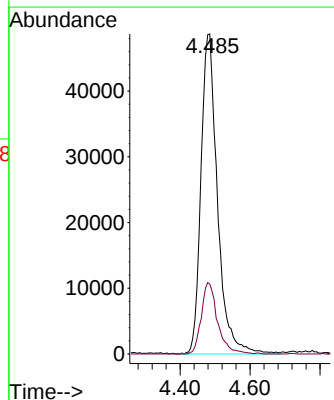
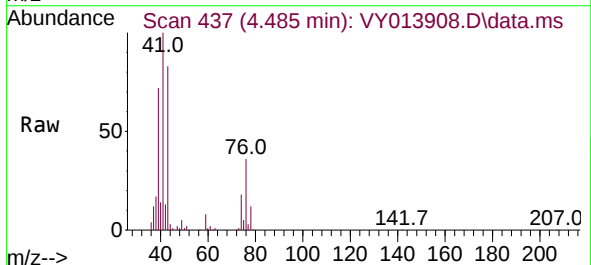
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

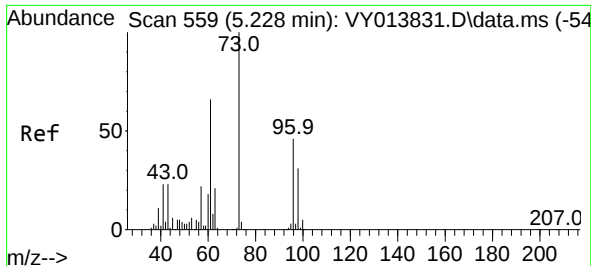
Tgt Ion: 76 Resp: 309532
Ion Ratio Lower Upper
76 100
78 8.8 7.5 11.3



#18
Methyl Acetate
Concen: 58.765 ug/l
RT: 4.485 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

Tgt Ion: 43 Resp: 159666
Ion Ratio Lower Upper
43 100
74 21.9 17.4 26.0





#19

Methyl tert-butyl Ether

Concen: 53.510 ug/l

RT: 5.222 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY013908.D

Acq: 26 May 2023 21:03

Instrument :

MSVOA_Y

ClientSampleId :

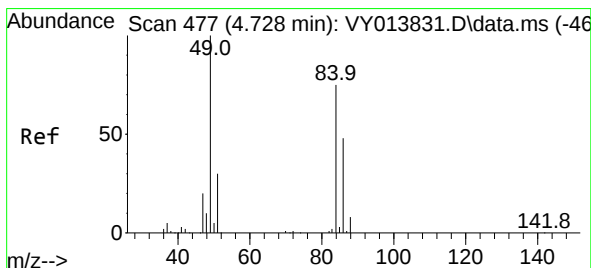
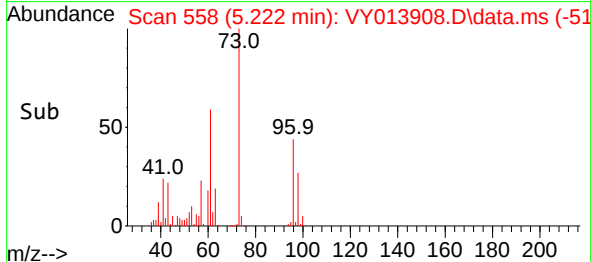
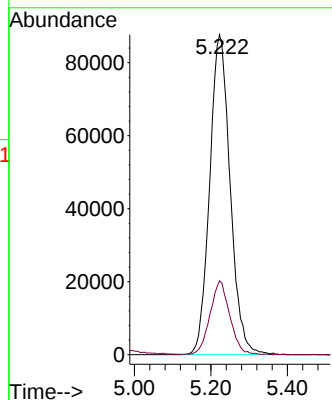
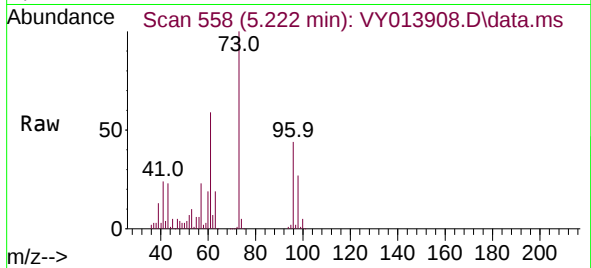
VSTDCCC050EC

Tgt Ion: 73 Resp: 325797

Ion Ratio Lower Upper

73 100

57 23.0 17.4 26.2



#20

Methylene Chloride

Concen: 53.122 ug/l

RT: 4.716 min Scan# 475

Delta R.T. -0.012 min

Lab File: VY013908.D

Acq: 26 May 2023 21:03

Tgt Ion: 84 Resp: 147072

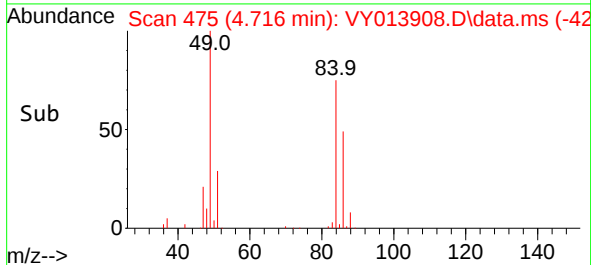
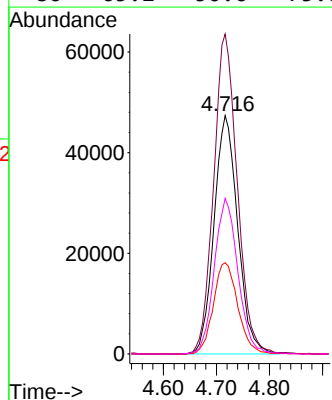
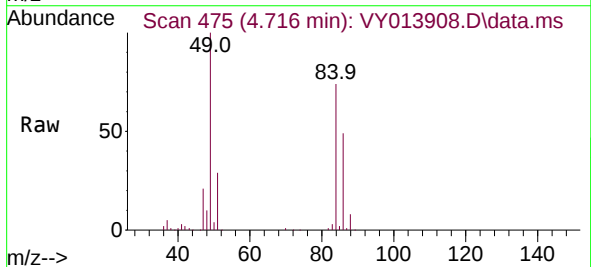
Ion Ratio Lower Upper

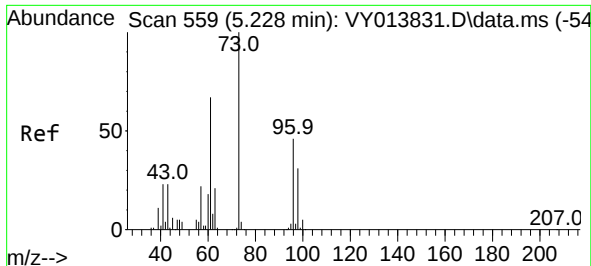
84 100

49 134.2 106.2 159.2

51 38.3 31.4 47.0

86 65.2 50.6 75.8

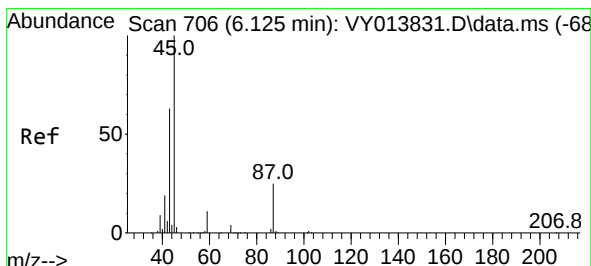
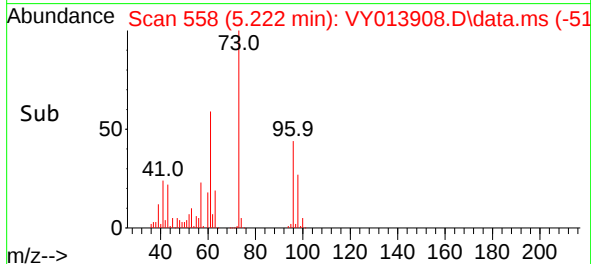
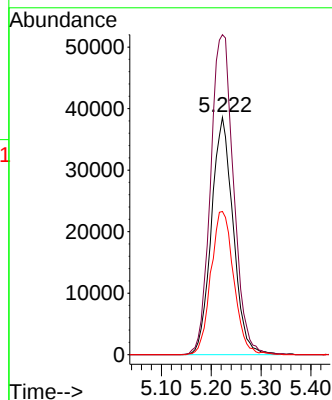
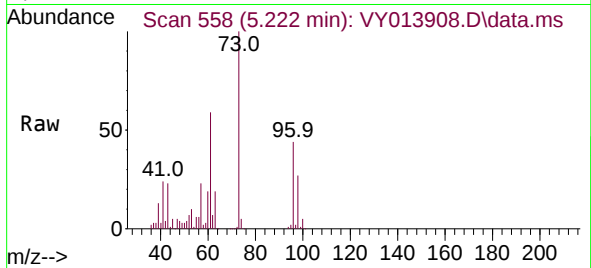




#21
trans-1,2-Dichloroethene
Concen: 48.298 ug/l
RT: 5.222 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

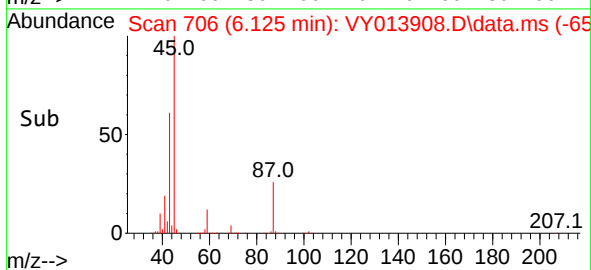
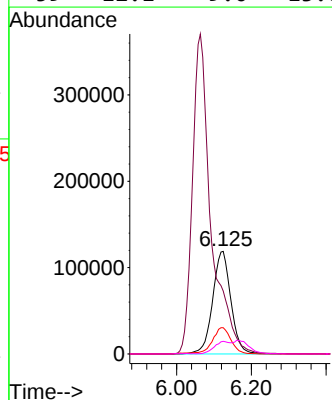
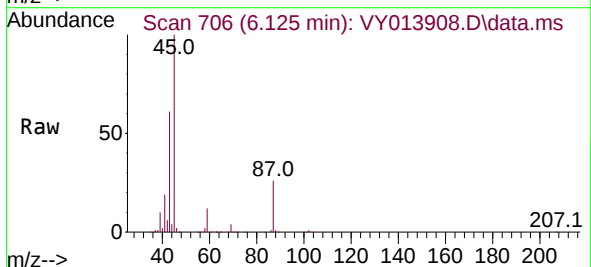
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

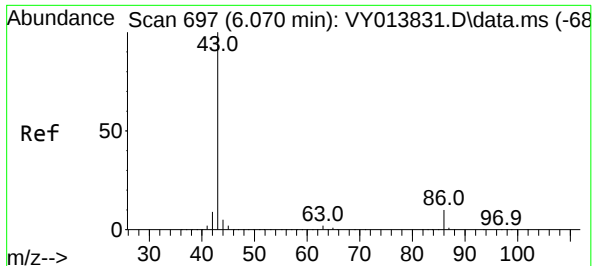
Tgt Ion: 96 Resp: 117135
Ion Ratio Lower Upper
96 100
61 134.8 115.5 173.3
98 60.3 53.7 80.5



#22
Diisopropyl ether
Concen: 51.220 ug/l
RT: 6.125 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

Tgt Ion: 45 Resp: 402805
Ion Ratio Lower Upper
45 100
43 60.8 50.6 75.8
87 25.6 20.7 31.1
59 12.1 9.0 13.6

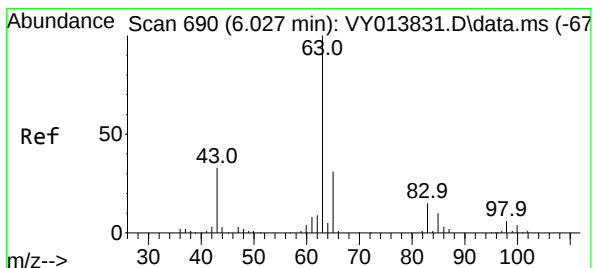
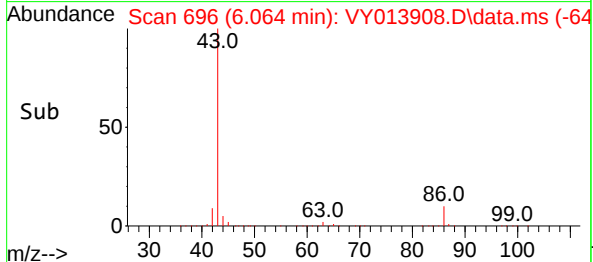
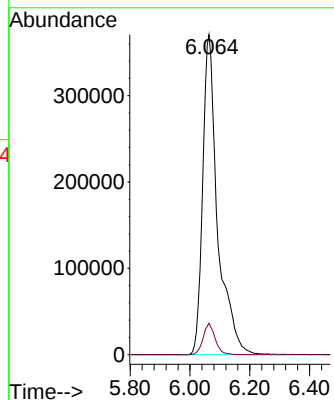
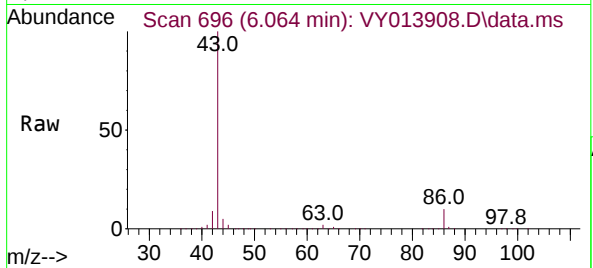




#23
 Vinyl Acetate
 Concen: 280.237 ug/l
 RT: 6.064 min Scan# 61
 Delta R.T. -0.006 min
 Lab File: VY013908.D
 Acq: 26 May 2023 21:03

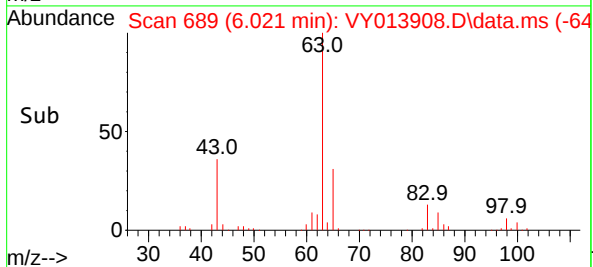
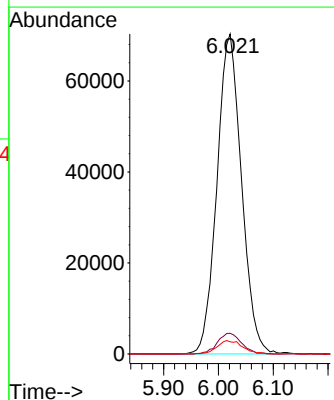
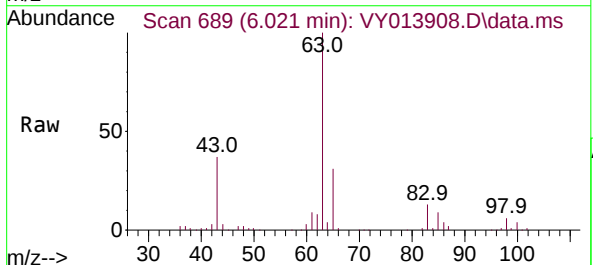
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

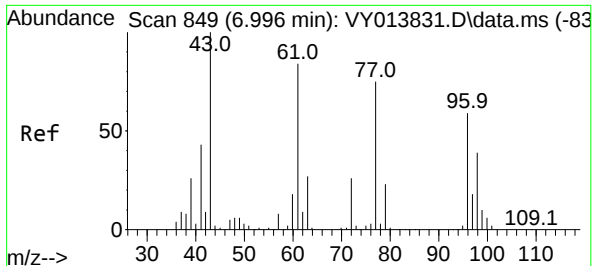
Tgt Ion: 43 Resp: 1283608
 Ion Ratio Lower Upper
 43 100
 86 9.8 7.6 11.4



#24
 1,1-Dichloroethane
 Concen: 47.639 ug/l
 RT: 6.021 min Scan# 689
 Delta R.T. -0.006 min
 Lab File: VY013908.D
 Acq: 26 May 2023 21:03

Tgt Ion: 63 Resp: 218717
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.2 9.6
 100 3.8 2.1 6.2





#25

2-Butanone

Concen: 293.653 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY013908.D

Acq: 26 May 2023 21:03

Instrument :

MSVOA_Y

ClientSampleId :

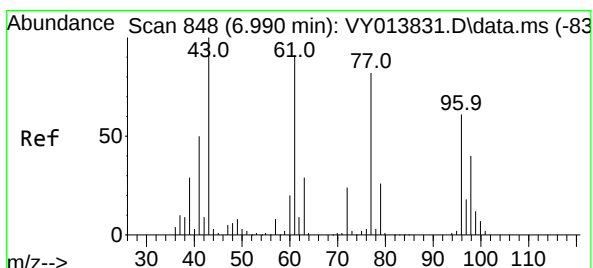
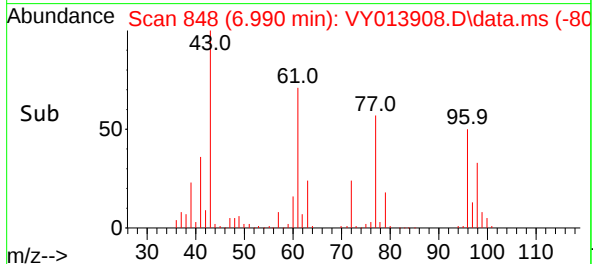
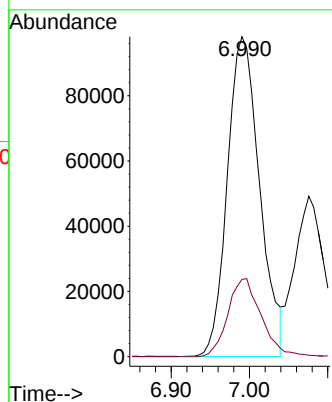
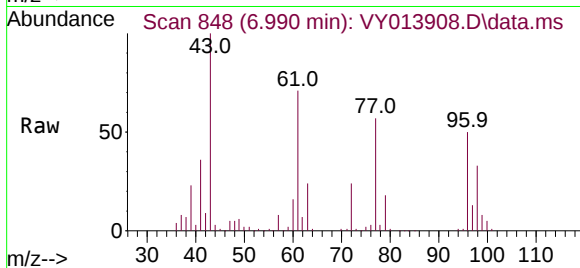
VSTDCCC050EC

Tgt Ion: 43 Resp: 280630

Ion Ratio Lower Upper

43 100

72 24.2 20.5 30.7



#26

2,2-Dichloropropane

Concen: 44.379 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.006 min

Lab File: VY013908.D

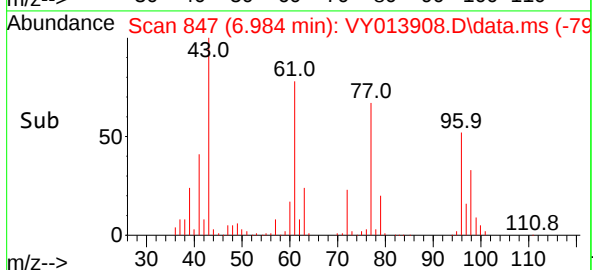
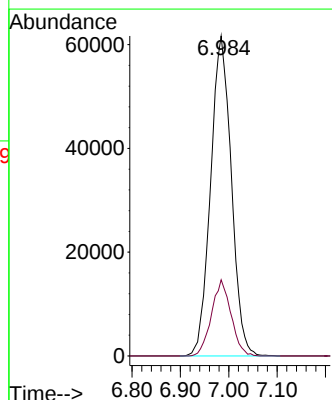
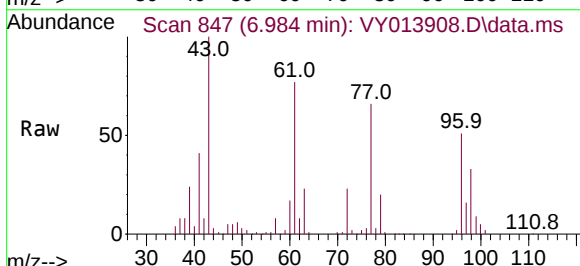
Acq: 26 May 2023 21:03

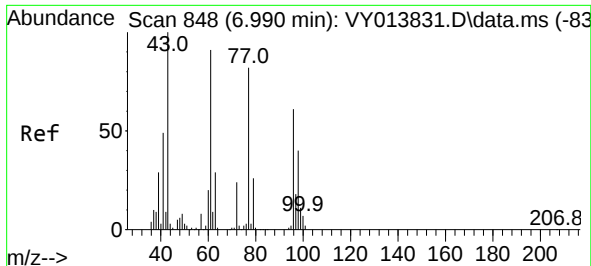
Tgt Ion: 77 Resp: 183530

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.6

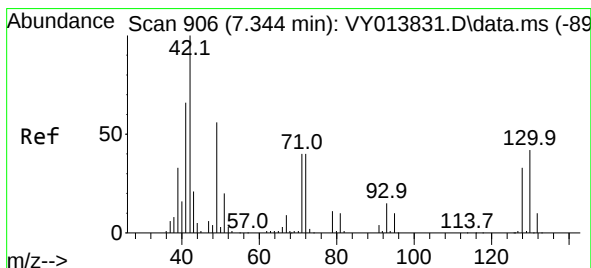
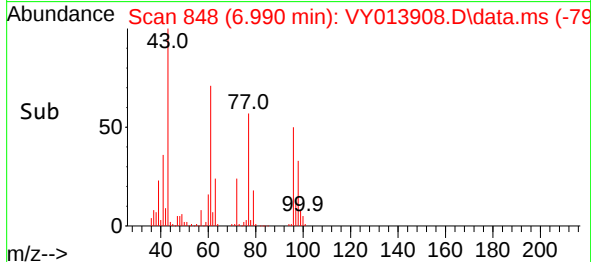
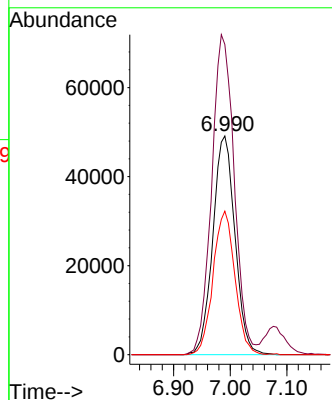
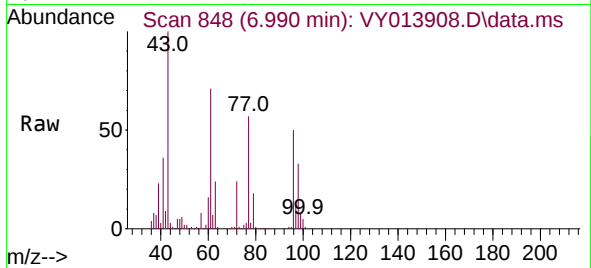




#27
 cis-1,2-Dichloroethene
 Concen: 48.915 ug/l
 RT: 6.990 min Scan# 848
 Delta R.T. 0.000 min
 Lab File: VY013908.D
 Acq: 26 May 2023 21:03

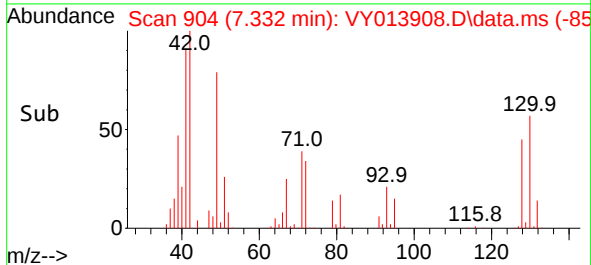
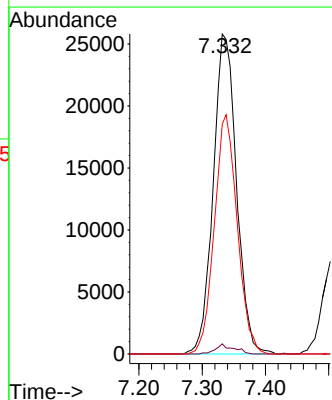
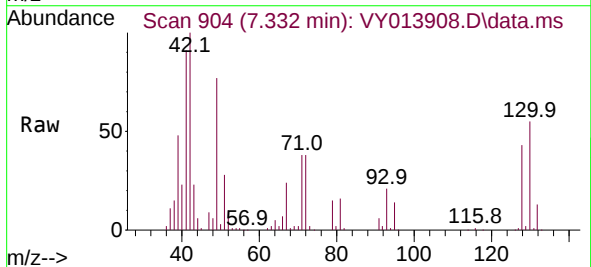
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

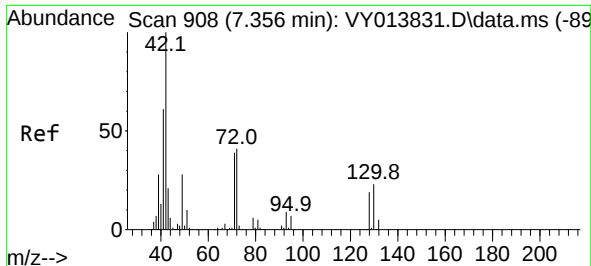
Tgt Ion: 96 Resp: 133268
 Ion Ratio Lower Upper
 96 100
 61 149.1 0.0 296.4
 98 64.8 0.0 129.4



#28
 Bromochloromethane
 Concen: 48.913 ug/l
 RT: 7.332 min Scan# 904
 Delta R.T. -0.012 min
 Lab File: VY013908.D
 Acq: 26 May 2023 21:03

Tgt Ion: 49 Resp: 65913
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 4.4
 130 73.4 60.2 90.2





#29

Tetrahydrofuran

Concen: 337.844 ug/l

RT: 7.350 min Scan# 908

Delta R.T. -0.006 min

Lab File: VY013908.D

Acq: 26 May 2023 21:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

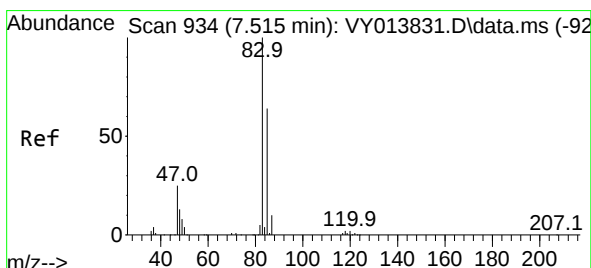
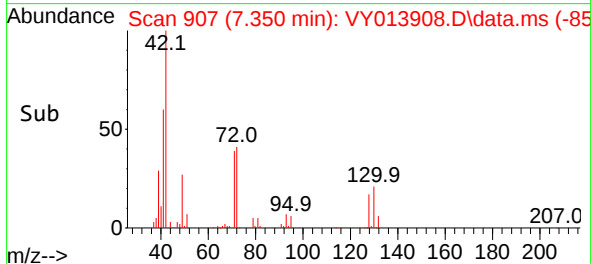
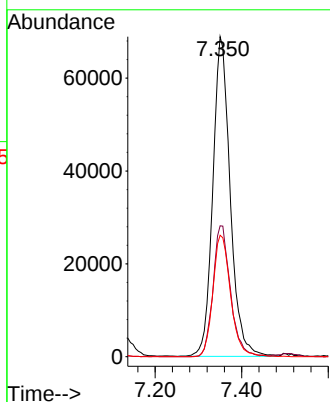
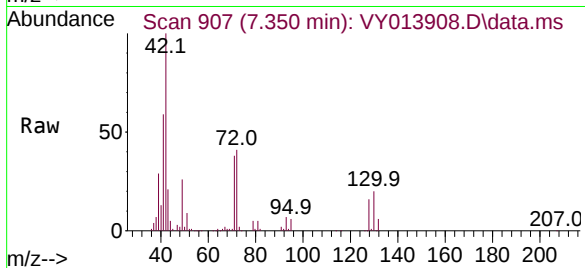
Tgt Ion: 42 Resp: 192763

Ion Ratio Lower Upper

42 100

72 41.0 31.7 47.5

71 38.7 30.6 45.8



#30

Chloroform

Concen: 50.298 ug/l

RT: 7.509 min Scan# 933

Delta R.T. -0.006 min

Lab File: VY013908.D

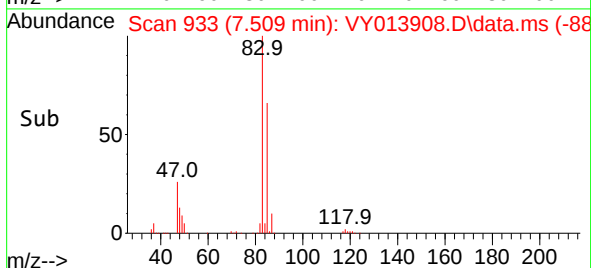
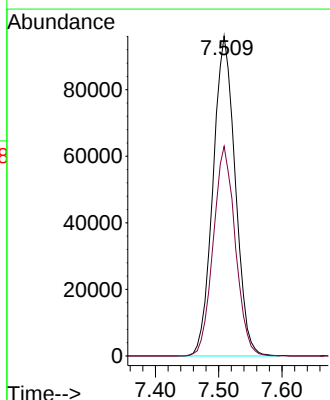
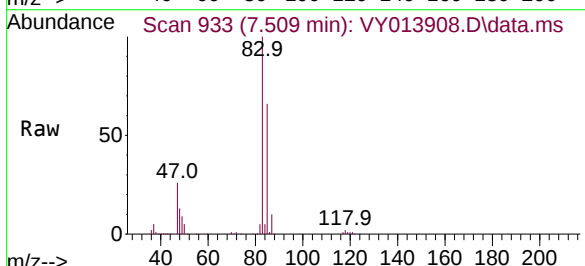
Acq: 26 May 2023 21:03

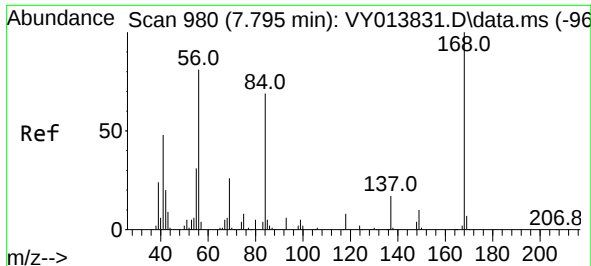
Tgt Ion: 83 Resp: 234118

Ion Ratio Lower Upper

83 100

85 65.5 51.0 76.6

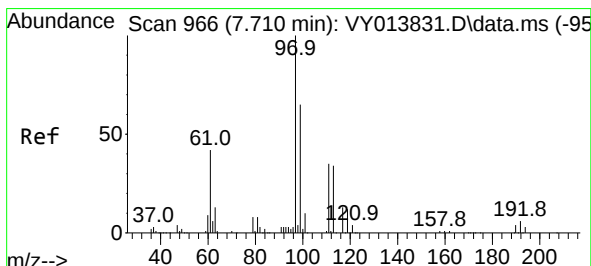
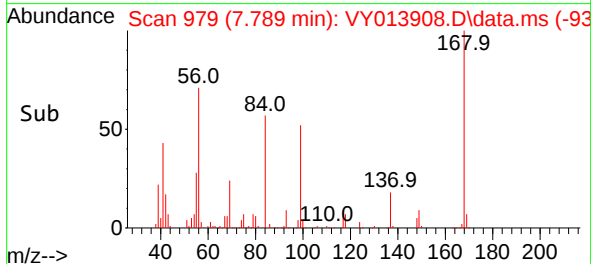
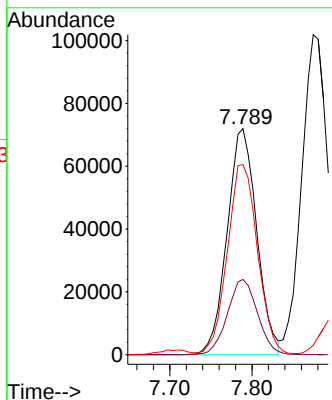
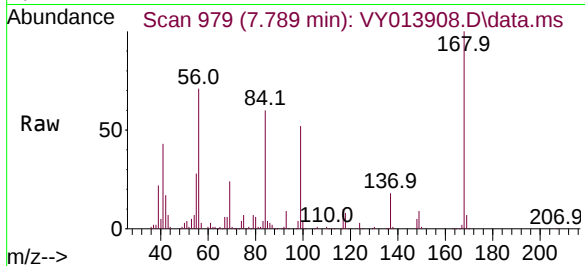




#31
Cyclohexane
Concen: 44.447 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

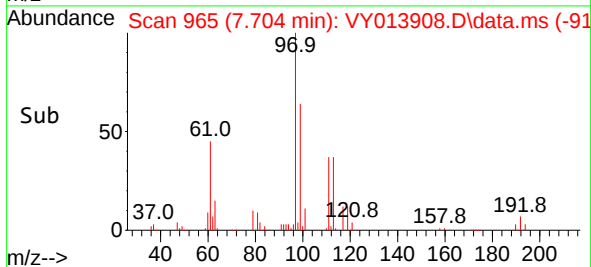
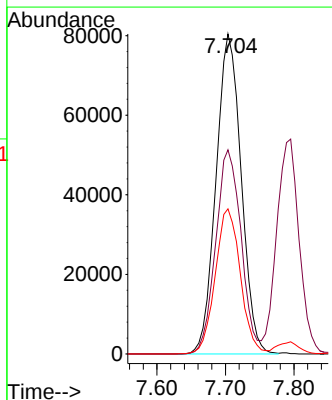
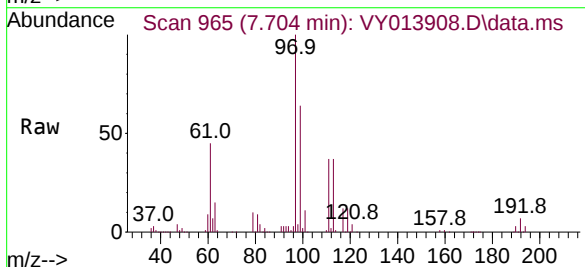
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

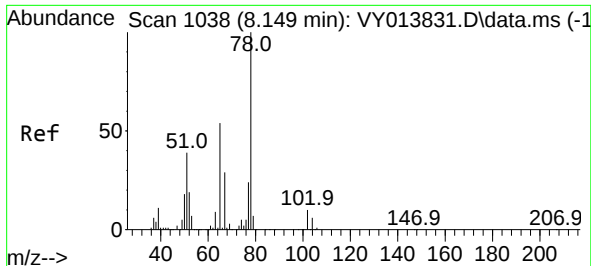
Tgt Ion: 56 Resp: 180199
Ion Ratio Lower Upper
56 100
69 33.2 25.8 38.8
84 82.0 68.2 102.2



#32
1,1,1-Trichloroethane
Concen: 48.281 ug/l
RT: 7.704 min Scan# 965
Delta R.T. -0.006 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

Tgt Ion: 97 Resp: 205015
Ion Ratio Lower Upper
97 100
99 64.6 50.5 75.7
61 45.4 35.0 52.4

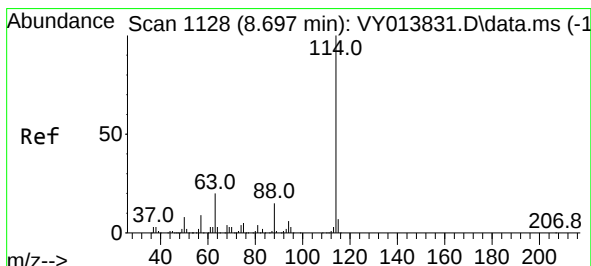
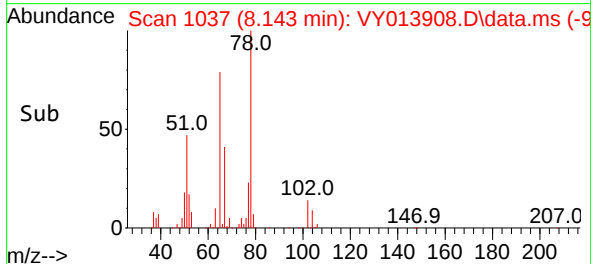
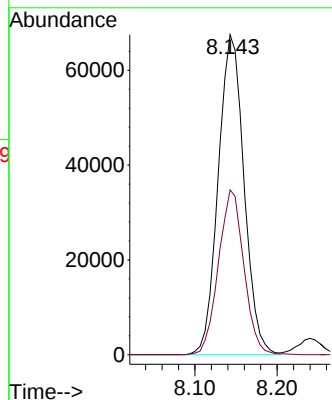
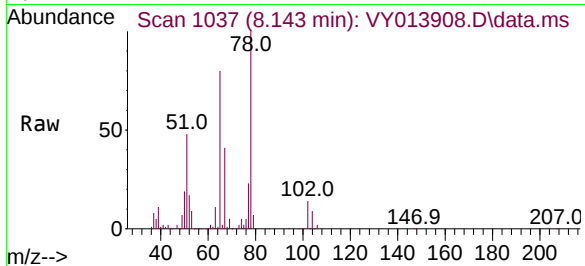




#33
1,2-Dichloroethane-d4
Concen: 55.825 ug/l
RT: 8.143 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

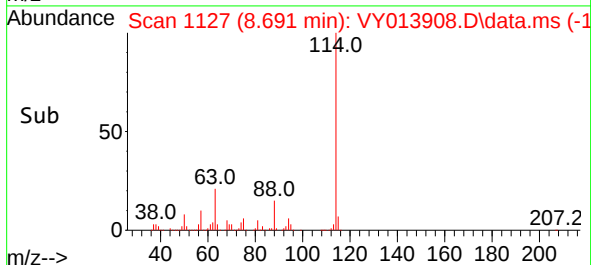
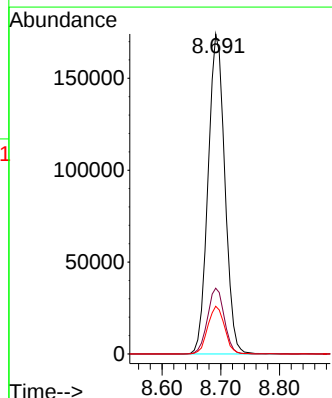
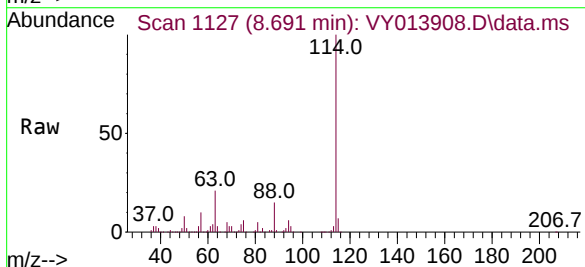
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

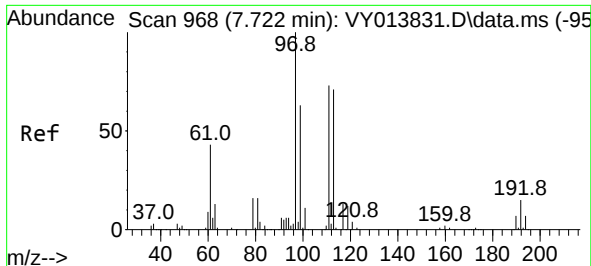
Tgt Ion: 65 Resp: 147307
Ion Ratio Lower Upper
65 100
67 50.8 0.0 104.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

Tgt Ion: 114 Resp: 344575
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.2
88 14.9 0.0 30.0

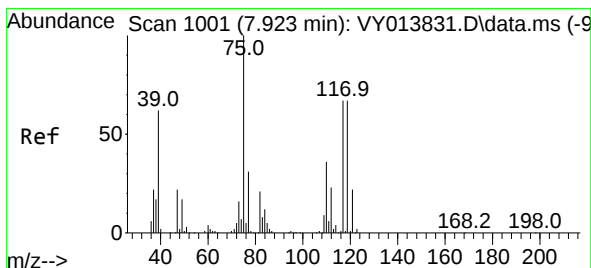
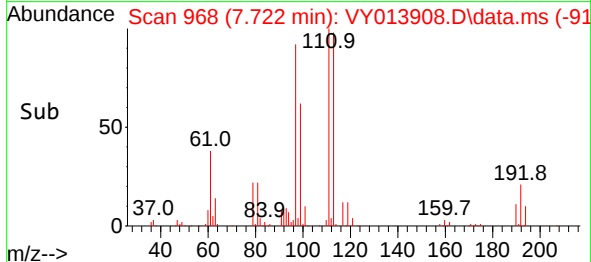
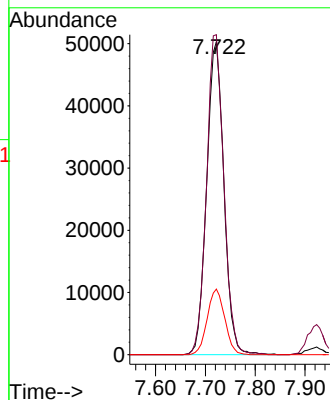
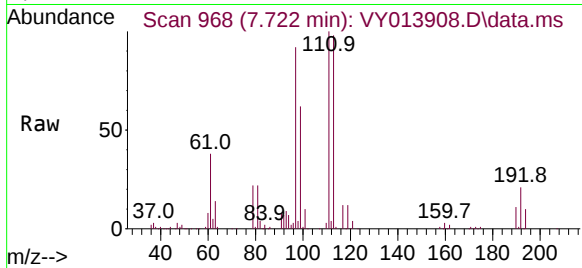




#35
Dibromofluoromethane
Concen: 54.219 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

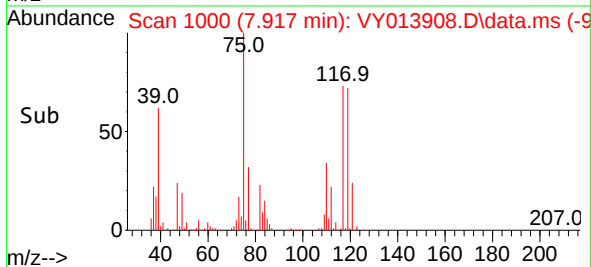
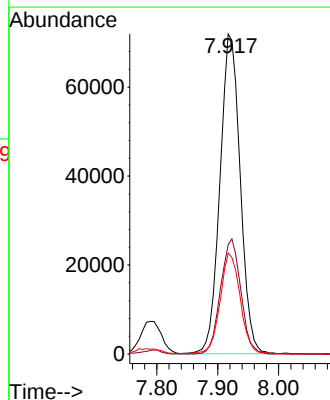
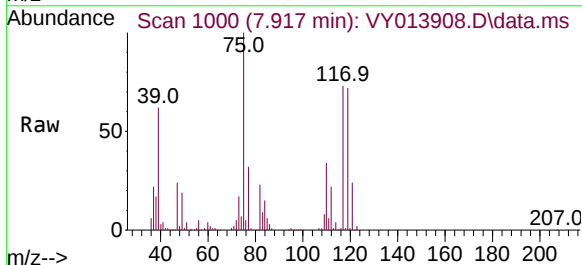
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

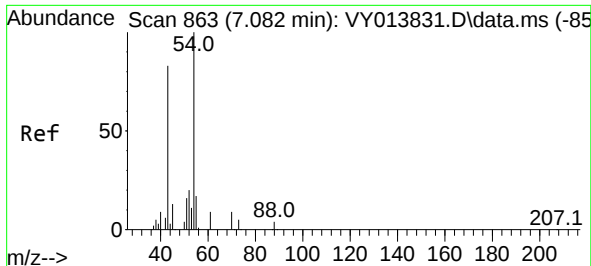
Tgt Ion:113 Resp: 120653
Ion Ratio Lower Upper
113 100
111 102.6 80.4 120.6
192 21.3 16.6 25.0



#36
1,1-Dichloropropene
Concen: 48.948 ug/l
RT: 7.917 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

Tgt Ion: 75 Resp: 165905
Ion Ratio Lower Upper
75 100
110 35.9 17.5 52.6
77 31.3 24.4 36.6

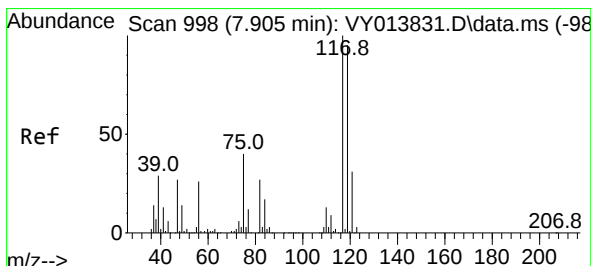
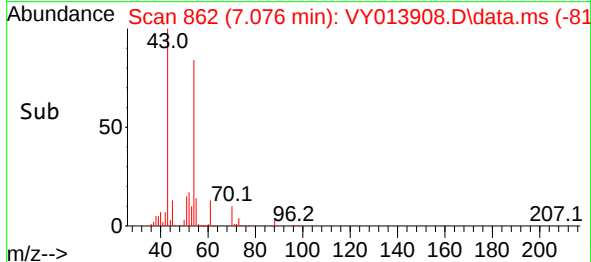
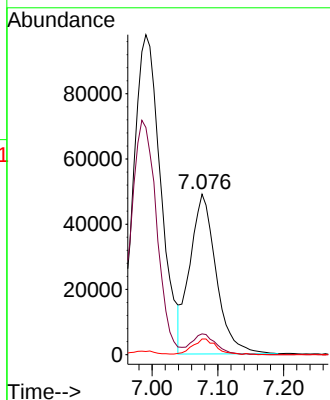
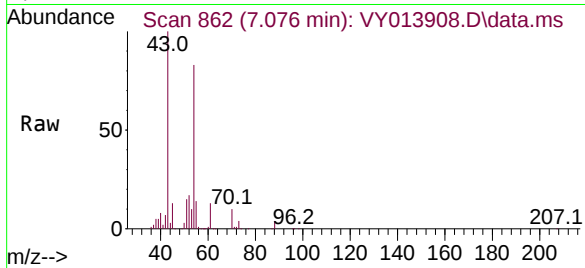




#37
Ethyl Acetate
Concen: 65.797 ug/l
RT: 7.076 min Scan# 862
Delta R.T. -0.006 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

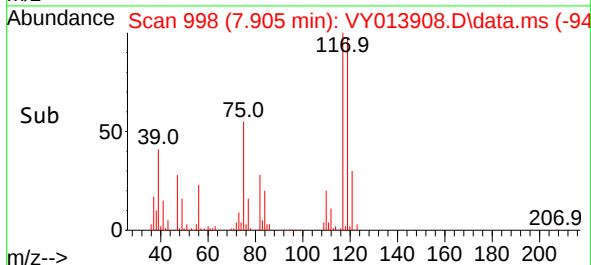
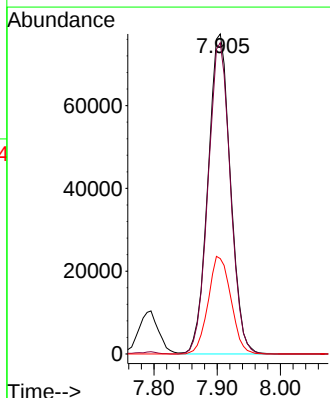
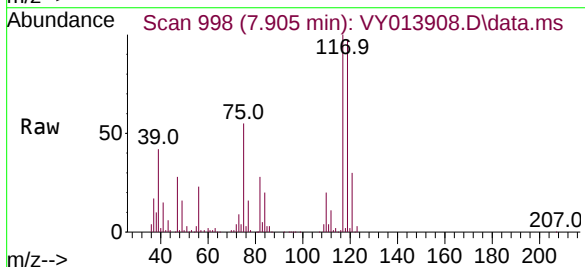
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

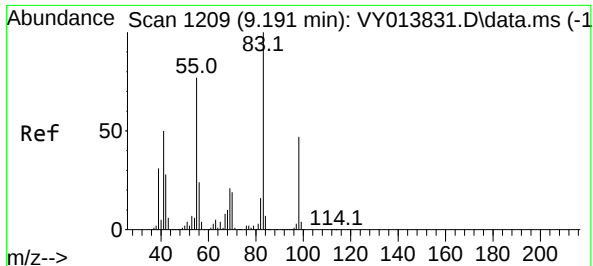
Tgt Ion: 43 Resp: 136034
Ion Ratio Lower Upper
43 100
61 12.3 10.5 15.7
70 8.5 6.9 10.3



#38
Carbon Tetrachloride
Concen: 49.434 ug/l
RT: 7.905 min Scan# 998
Delta R.T. 0.000 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

Tgt Ion: 117 Resp: 190544
Ion Ratio Lower Upper
117 100
119 97.2 75.6 113.4
121 29.8 24.8 37.2





#39

Methylcyclohexane

Concen: 48.171 ug/l

RT: 9.185 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY013908.D

Acq: 26 May 2023 21:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

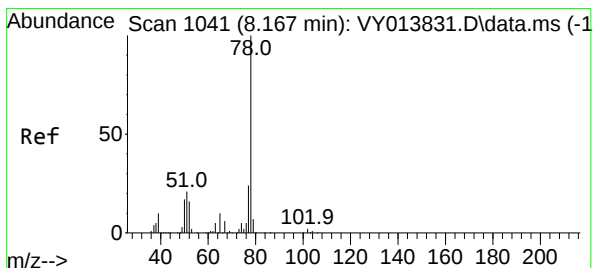
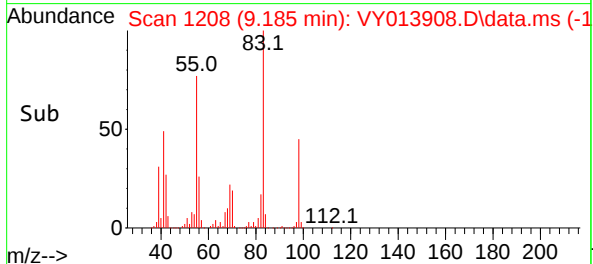
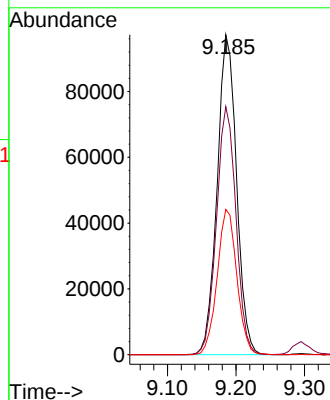
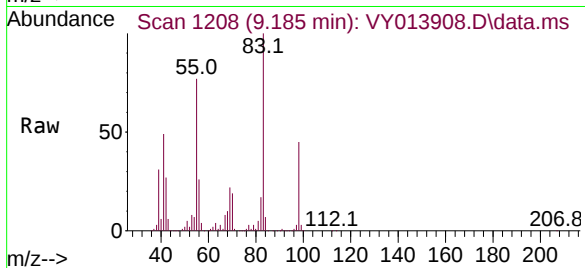
Tgt Ion: 83 Resp: 191209

Ion Ratio Lower Upper

83 100

55 77.5 61.6 92.4

98 45.4 38.0 57.0



#40

Benzene

Concen: 50.366 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY013908.D

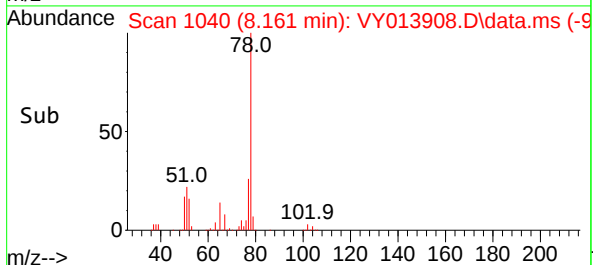
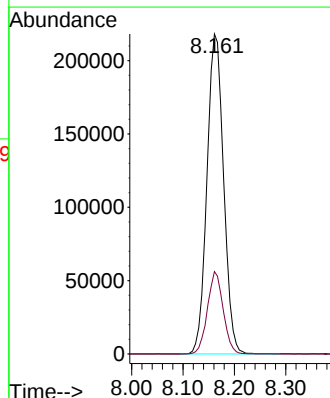
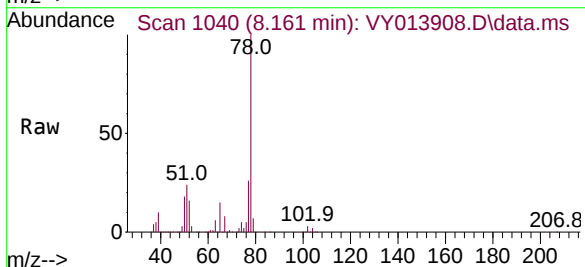
Acq: 26 May 2023 21:03

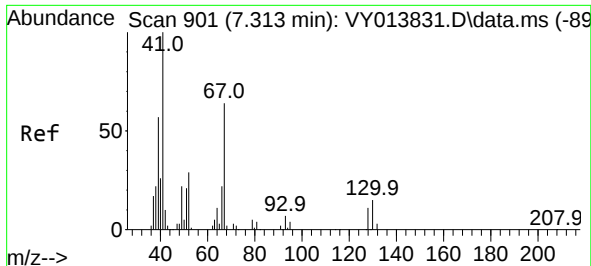
Tgt Ion: 78 Resp: 490310

Ion Ratio Lower Upper

78 100

77 25.8 19.5 29.3

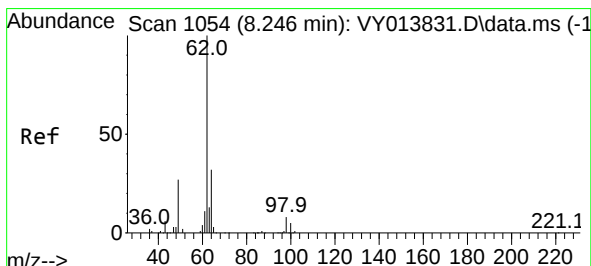
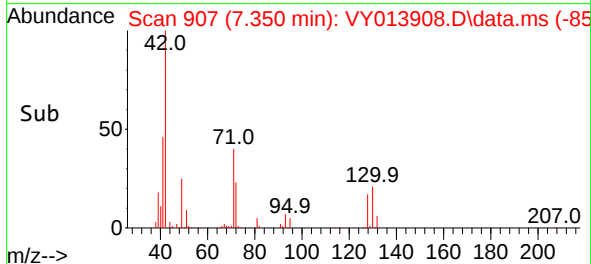
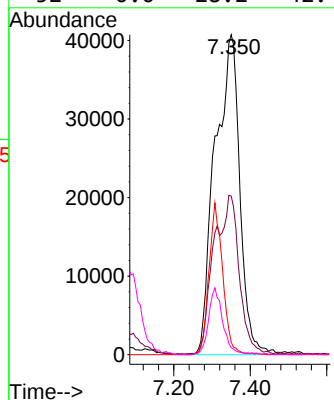
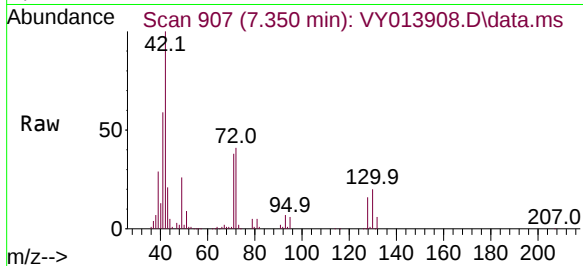




#41
Methacrylonitrile
Concen: 161.701 ug/l
RT: 7.350 min Scan# 901
Delta R.T. 0.037 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

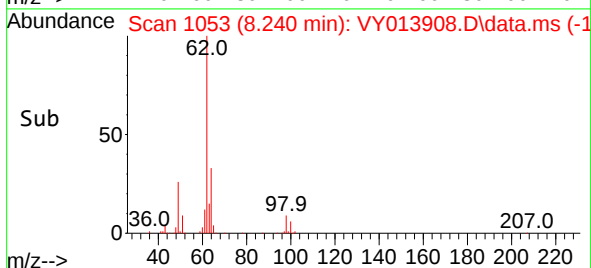
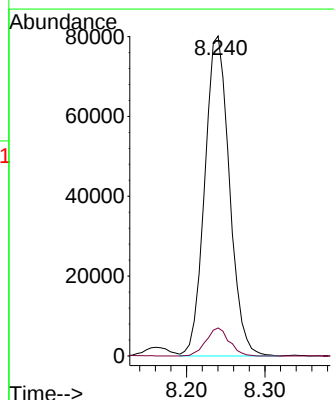
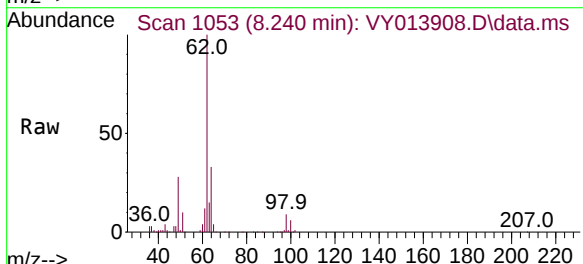
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

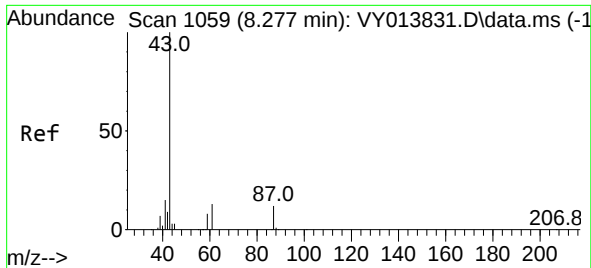
Tgt Ion: 41 Resp: 182408
Ion Ratio Lower Upper
41 100
39 26.7 44.1 66.1#
67 0.0 63.7 95.5#
52 0.0 28.2 42.4#



#42
1,2-Dichloroethane
Concen: 54.974 ug/l
RT: 8.240 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

Tgt Ion: 62 Resp: 175225
Ion Ratio Lower Upper
62 100
98 8.2 0.0 16.8

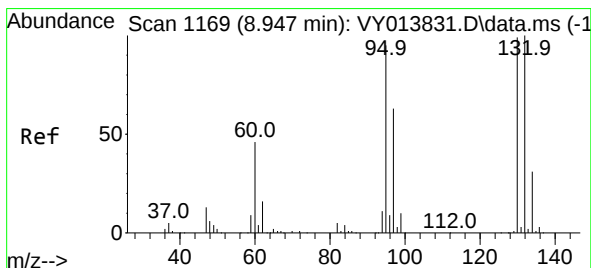
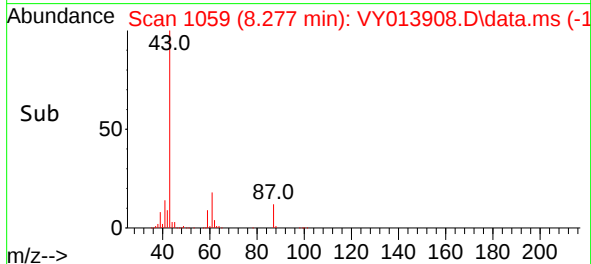
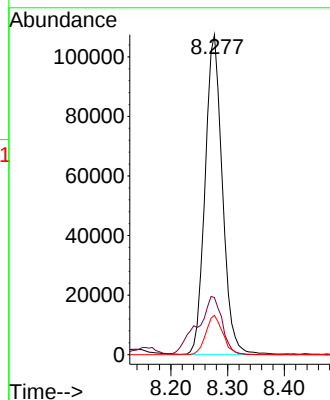
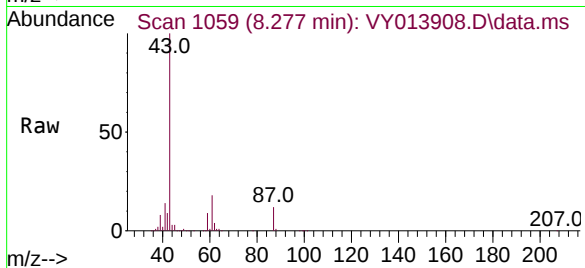




#43
Isopropyl Acetate
Concen: 60.124 ug/l
RT: 8.277 min Scan# 1059
Delta R.T. 0.000 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

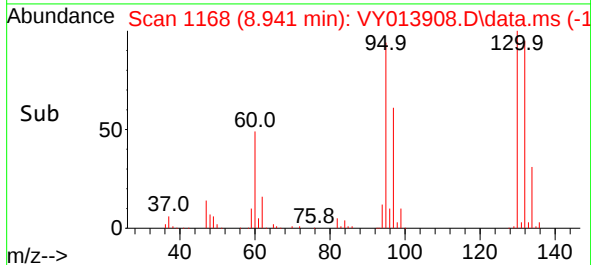
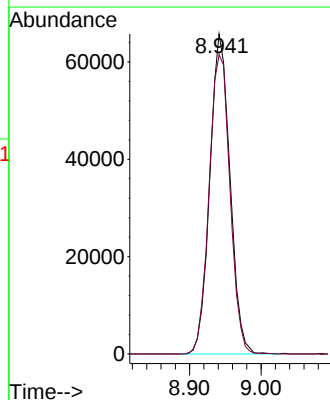
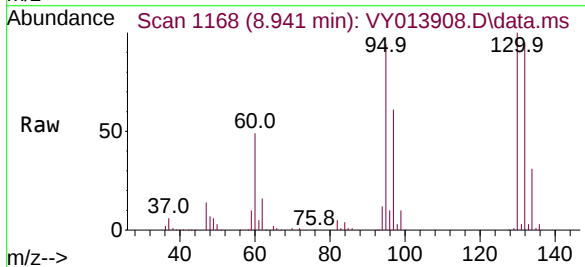
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

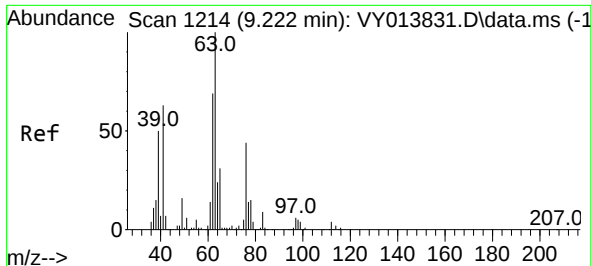
Tgt Ion: 43 Resp: 226519
Ion Ratio Lower Upper
43 100
61 26.1 21.1 31.7
87 12.2 9.8 14.6



#44
Trichloroethene
Concen: 49.051 ug/l
RT: 8.941 min Scan# 1168
Delta R.T. -0.006 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

Tgt Ion: 130 Resp: 128649
Ion Ratio Lower Upper
130 100
95 93.6 0.0 192.8





#45

1,2-Dichloropropane

Concen: 50.773 ug/l

RT: 9.216 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY013908.D

Acq: 26 May 2023 21:03

Instrument :

MSVOA_Y

ClientSampleId :

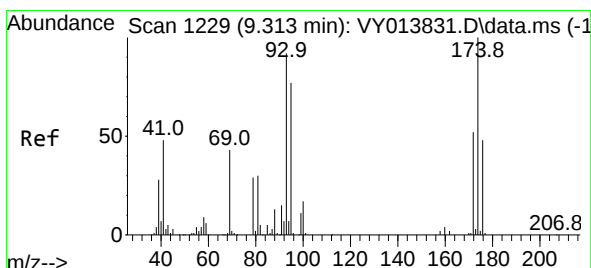
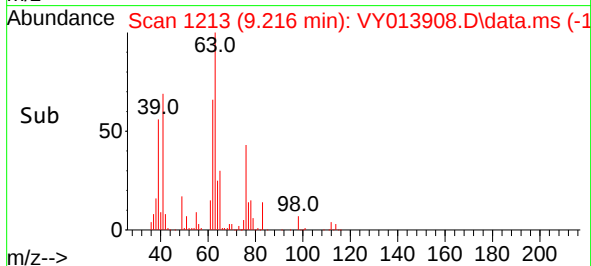
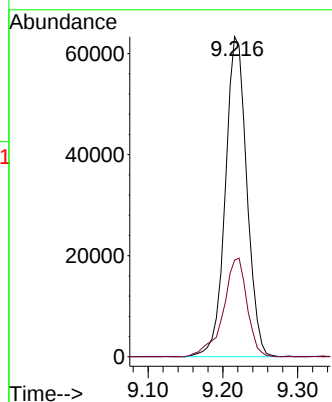
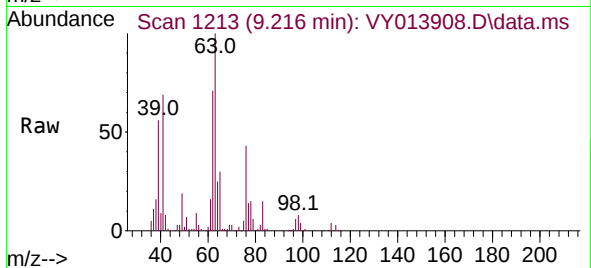
VSTDCCC050EC

Tgt Ion: 63 Resp: 126621

Ion Ratio Lower Upper

63 100

65 30.2 24.7 37.1



#46

Dibromomethane

Concen: 56.156 ug/l

RT: 9.307 min Scan# 1228

Delta R.T. -0.006 min

Lab File: VY013908.D

Acq: 26 May 2023 21:03

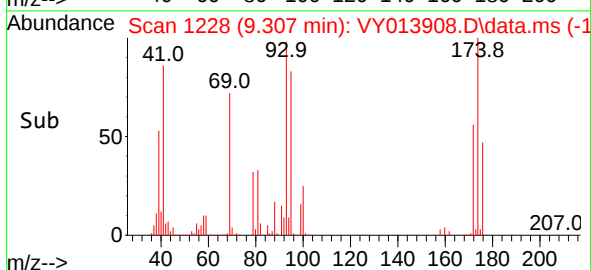
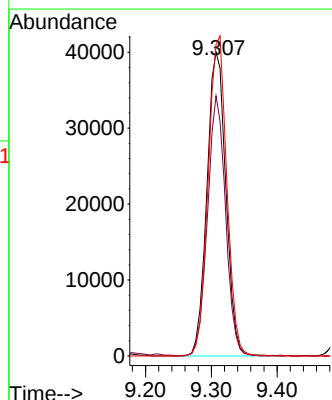
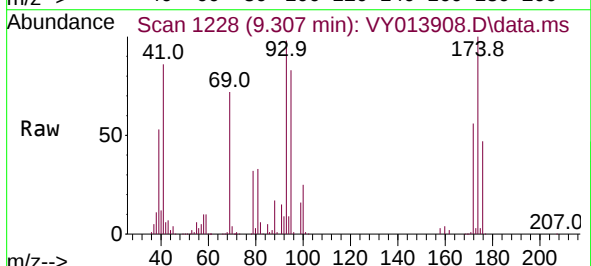
Tgt Ion: 93 Resp: 80205

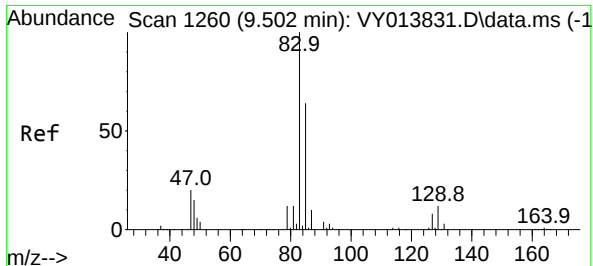
Ion Ratio Lower Upper

93 100

95 81.6 66.4 99.6

174 103.4 83.9 125.9





#47

Bromodichloromethane

Concen: 52.157 ug/l

RT: 9.496 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY013908.D

Acq: 26 May 2023 21:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

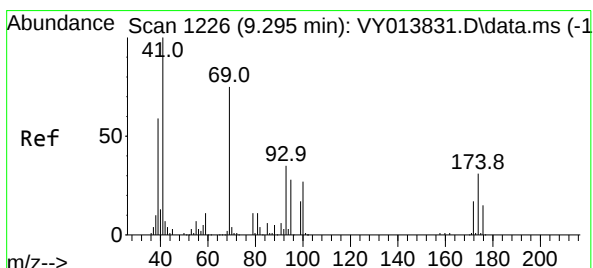
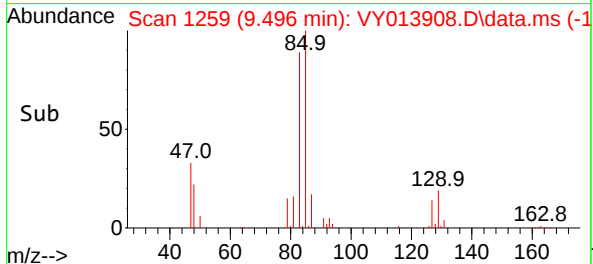
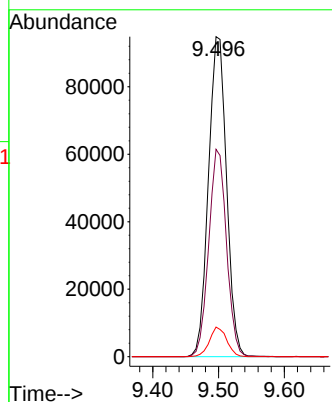
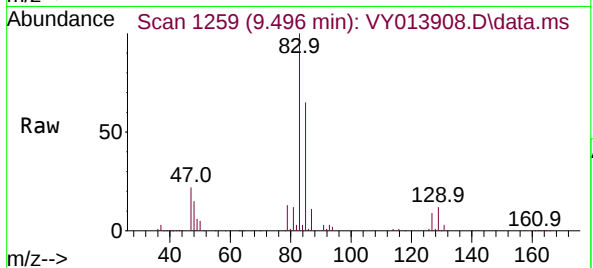
Tgt Ion: 83 Resp: 181541

Ion Ratio Lower Upper

83 100

85 64.8 51.5 77.3

127 9.3 6.6 10.0



#48

Methyl methacrylate

Concen: 60.232 ug/l

RT: 9.295 min Scan# 1226

Delta R.T. 0.000 min

Lab File: VY013908.D

Acq: 26 May 2023 21:03

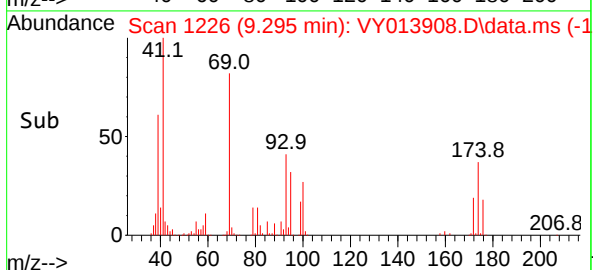
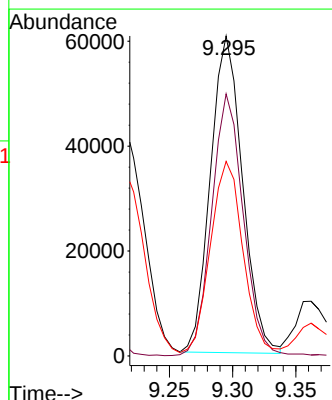
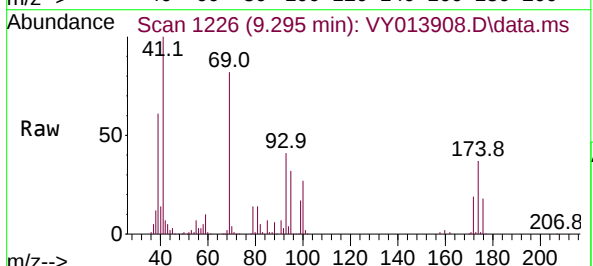
Tgt Ion: 41 Resp: 106559

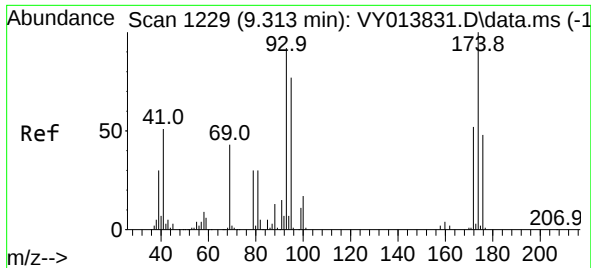
Ion Ratio Lower Upper

41 100

69 81.6 62.0 93.0

39 61.1 45.7 68.5

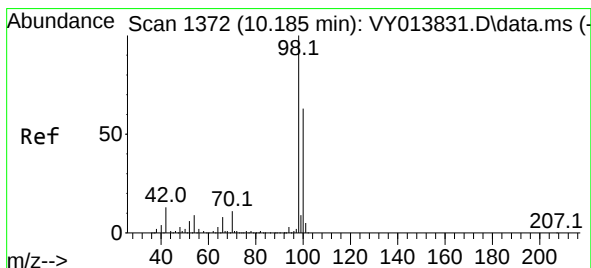
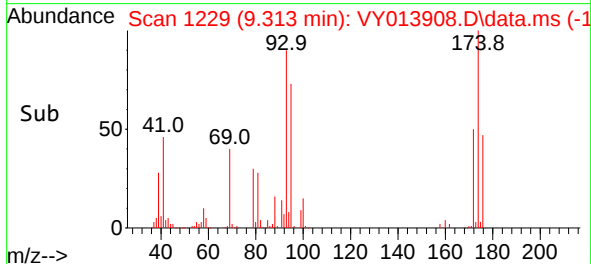
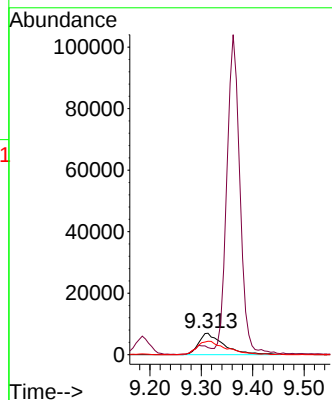
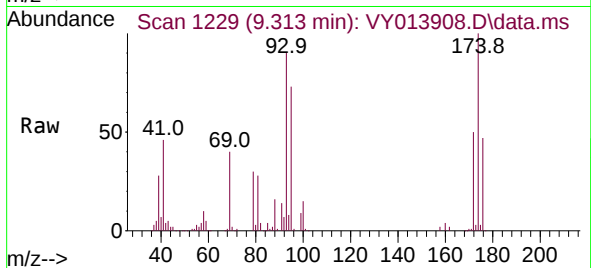




#49
1,4-Dioxane
Concen: 1408.052 ug/l
RT: 9.313 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

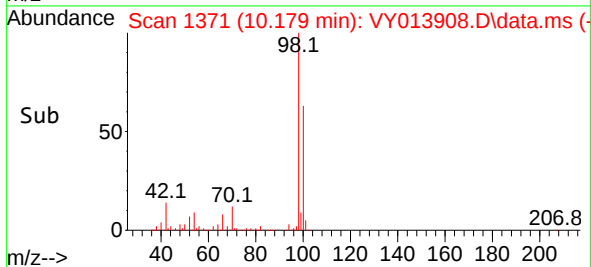
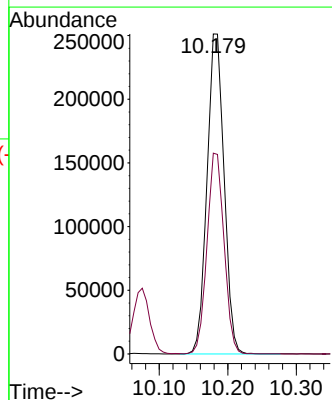
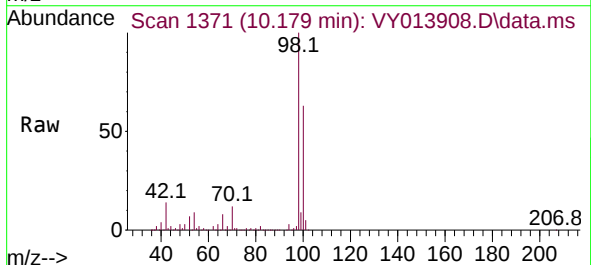
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

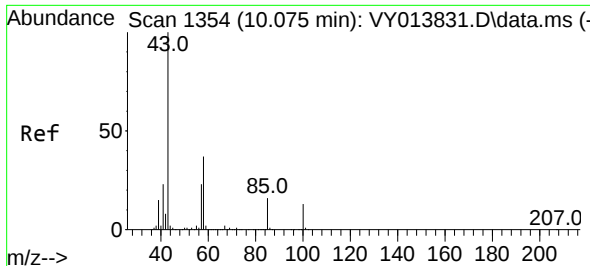
Tgt Ion: 88 Resp: 23635
Ion Ratio Lower Upper
88 100
43 29.0 0.0 0.0#
58 72.4 59.0 88.6



#50
Toluene-d8
Concen: 51.622 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

Tgt Ion: 98 Resp: 436594
Ion Ratio Lower Upper
98 100
100 62.5 50.8 76.2

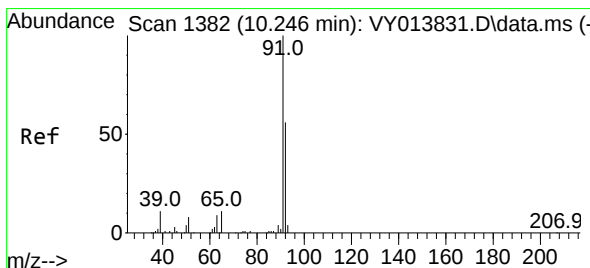
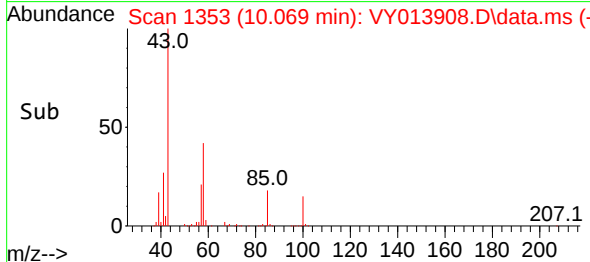
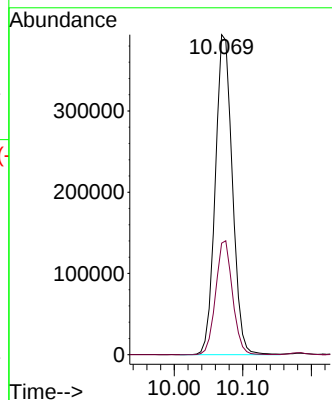
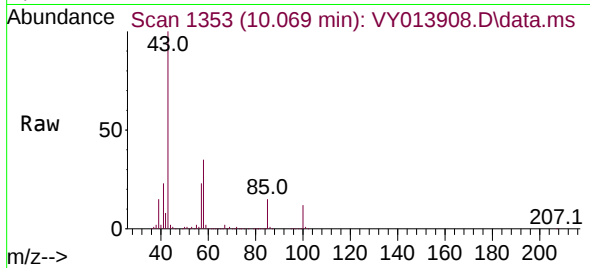




#51
4-Methyl-2-Pentanone
Concen: 339.117 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.006 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

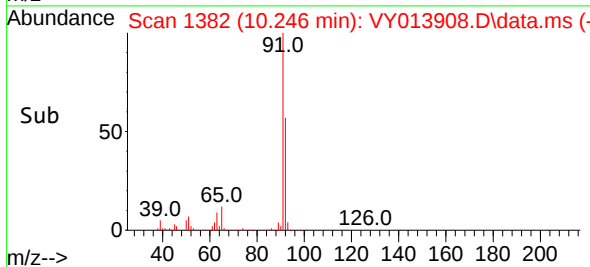
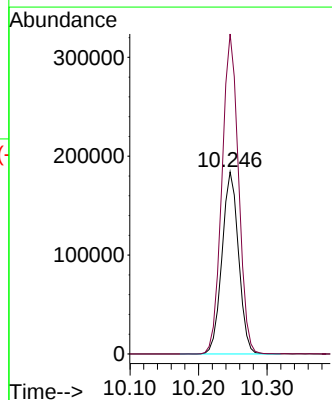
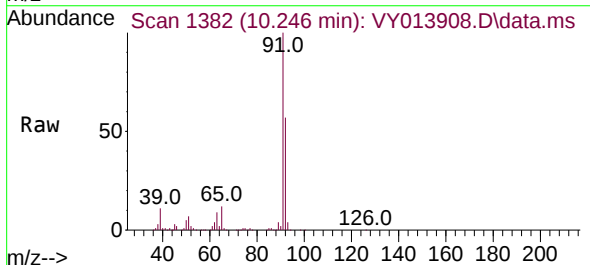
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

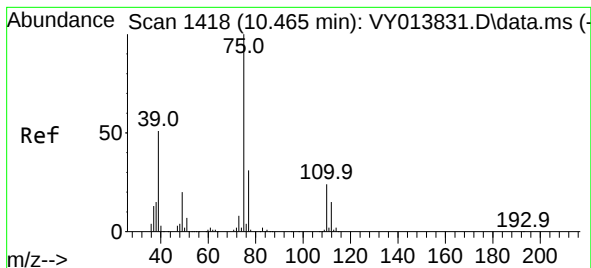
Tgt Ion: 43 Resp: 680875
Ion Ratio Lower Upper
43 100
58 35.2 29.1 43.7



#52
Toluene
Concen: 51.745 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

Tgt Ion: 92 Resp: 307141
Ion Ratio Lower Upper
92 100
91 176.6 142.2 213.4

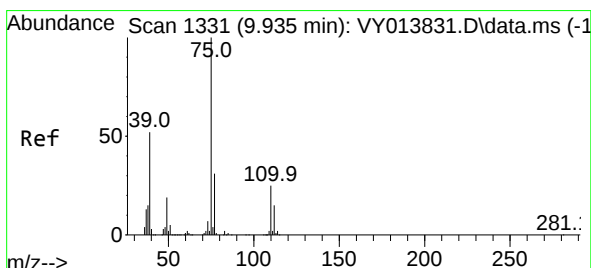
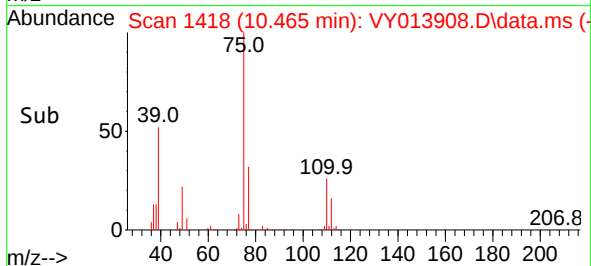
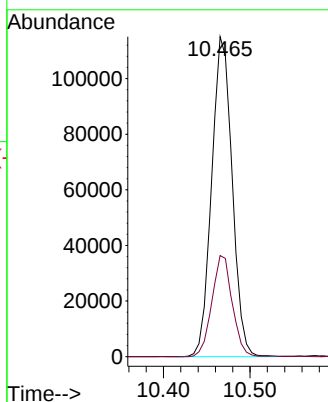
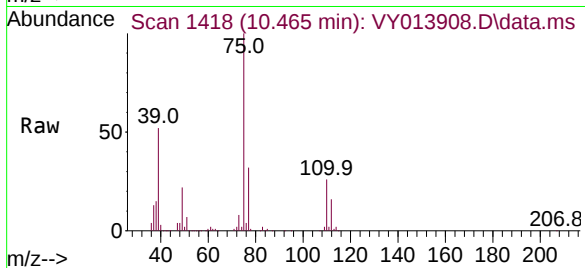




#53
 t-1,3-Dichloropropene
 Concen: 53.428 ug/l
 RT: 10.465 min Scan# 1418
 Delta R.T. 0.000 min
 Lab File: VY013908.D
 Acq: 26 May 2023 21:03

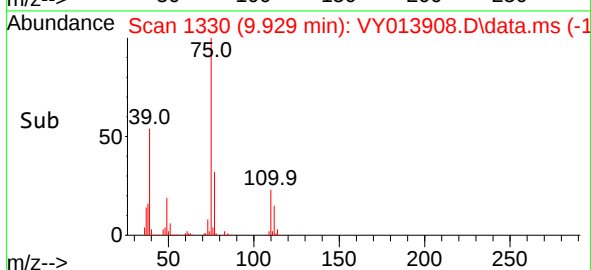
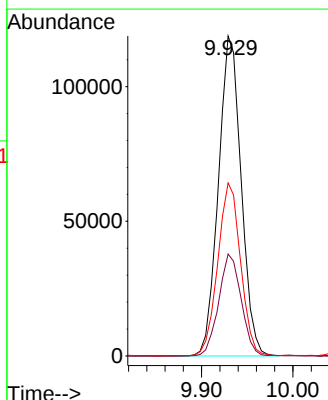
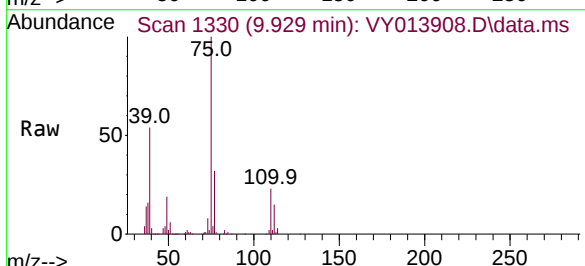
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

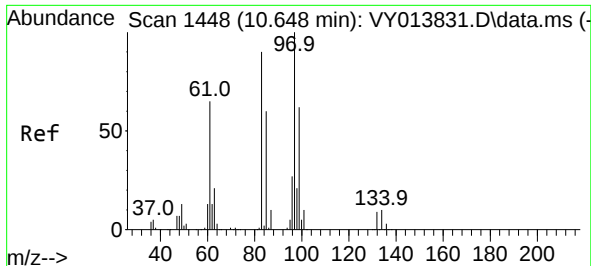
Tgt Ion: 75 Resp: 189297
 Ion Ratio Lower Upper
 75 100
 77 31.6 24.8 37.2



#54
 cis-1,3-Dichloropropene
 Concen: 51.768 ug/l
 RT: 9.929 min Scan# 1330
 Delta R.T. -0.006 min
 Lab File: VY013908.D
 Acq: 26 May 2023 21:03

Tgt Ion: 75 Resp: 205479
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.8 37.2
 39 53.9 41.8 62.8



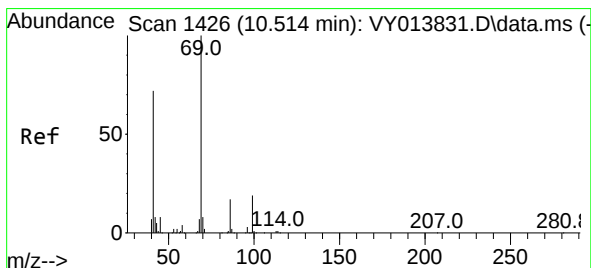
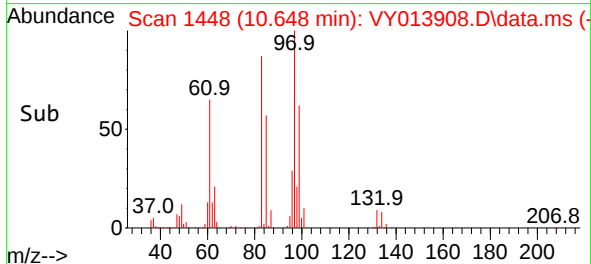
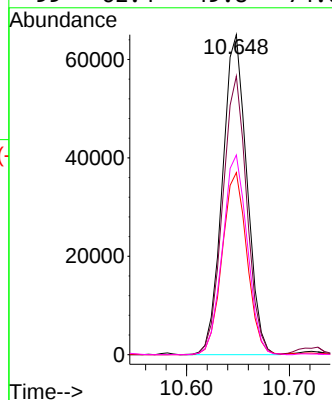
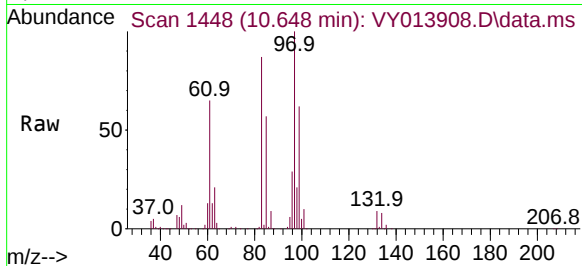


#55
1,1,2-Trichloroethane
Concen: 56.016 ug/l
RT: 10.648 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 107634

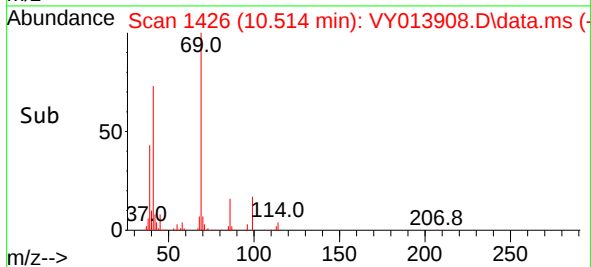
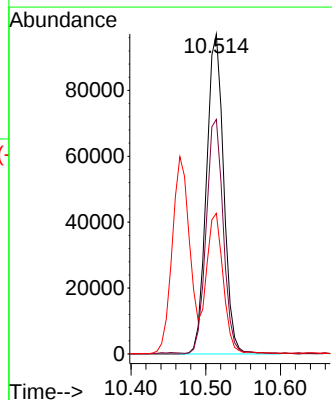
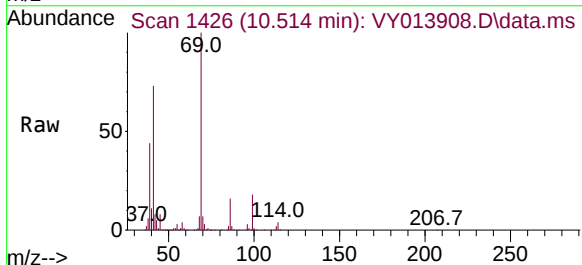
Ion	Ratio	Lower	Upper
97	100		
83	87.0	71.9	107.9
85	56.9	47.6	71.4
99	62.4	49.8	74.6

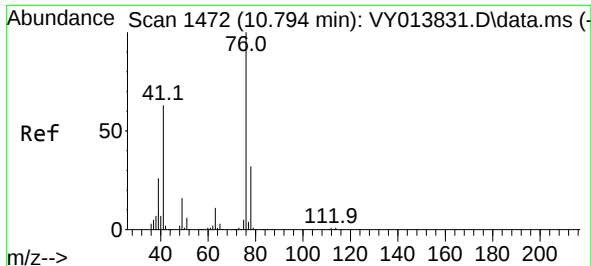


#56
Ethyl methacrylate
Concen: 60.548 ug/l
RT: 10.514 min Scan# 1426
Delta R.T. 0.000 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

Tgt Ion: 69 Resp: 155304

Ion	Ratio	Lower	Upper
69	100		
41	72.5	57.8	86.6
39	42.4	33.9	50.9





#57

1,3-Dichloropropane

Concen: 56.433 ug/l

RT: 10.795 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VY013908.D

Acq: 26 May 2023 21:03

Instrument :

MSVOA_Y

ClientSampleId :

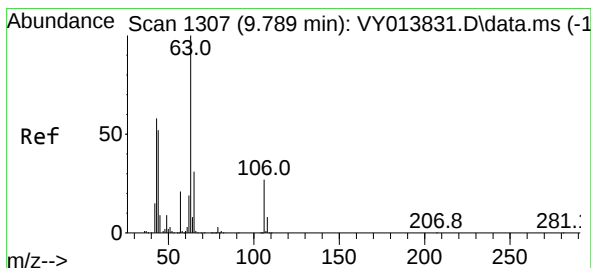
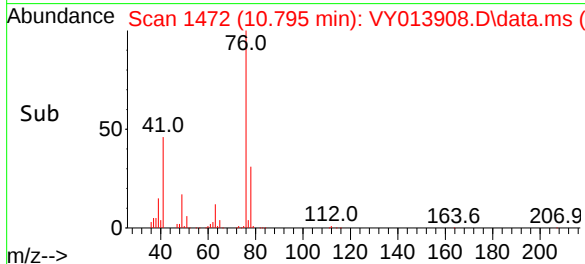
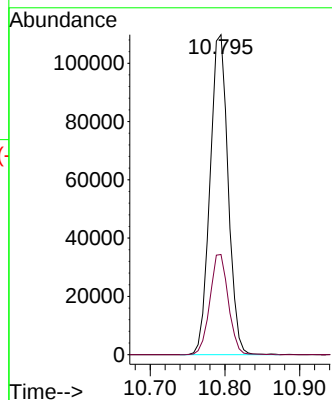
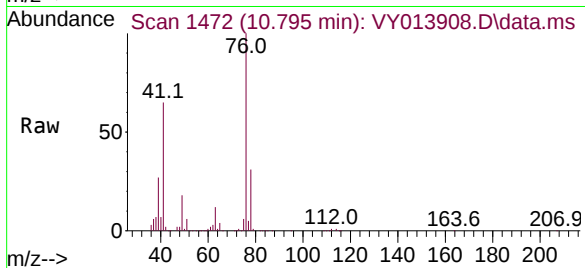
VSTDCCC050EC

Tgt Ion: 76 Resp: 184675

Ion Ratio Lower Upper

76 100

78 31.9 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 272.416 ug/l

RT: 9.783 min Scan# 1306

Delta R.T. -0.006 min

Lab File: VY013908.D

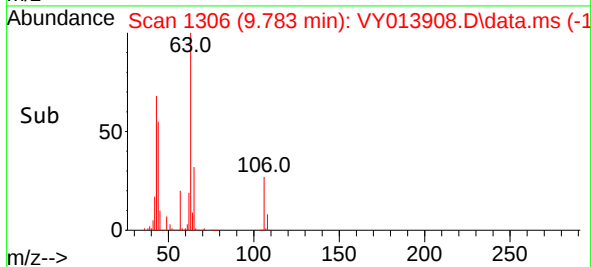
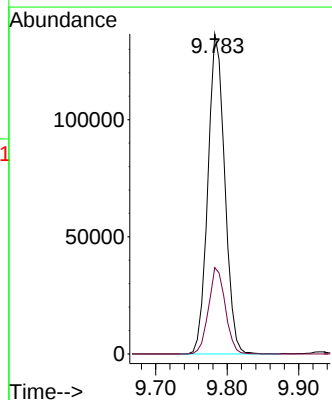
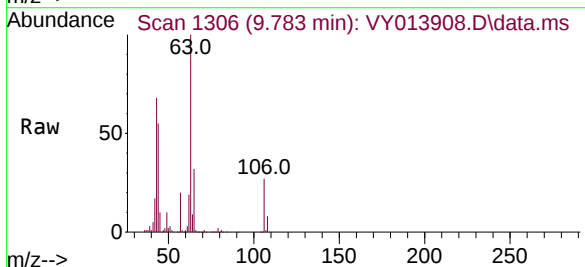
Acq: 26 May 2023 21:03

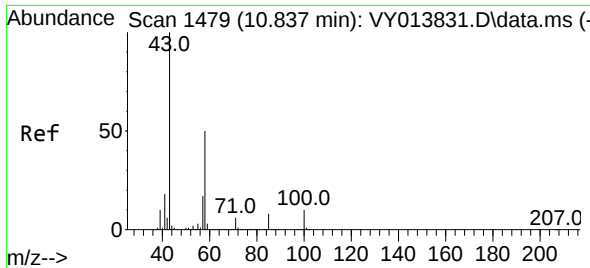
Tgt Ion: 63 Resp: 222951

Ion Ratio Lower Upper

63 100

106 26.8 21.3 31.9

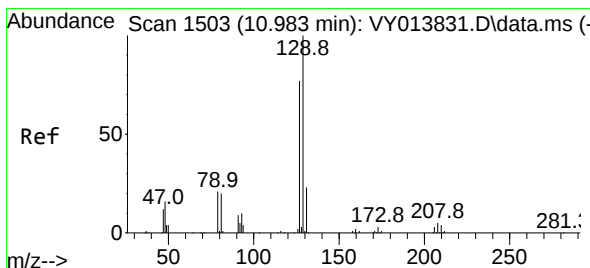
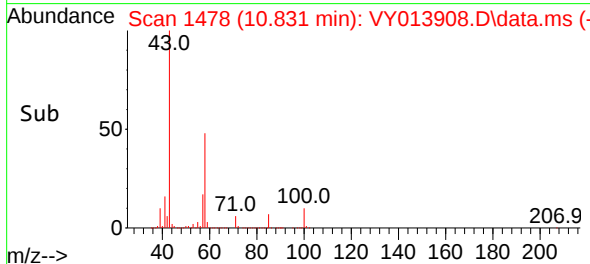
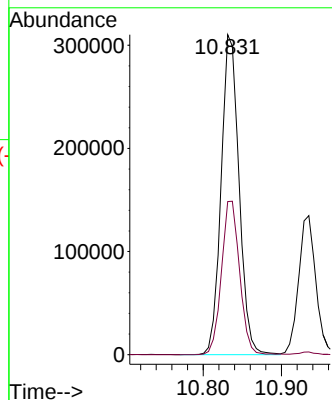
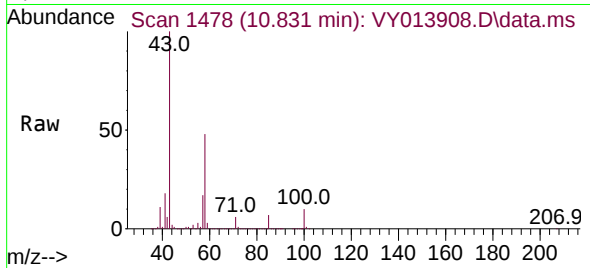




#59
2-Hexanone
Concen: 345.949 ug/l
RT: 10.831 min Scan# 1479
Delta R.T. -0.006 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

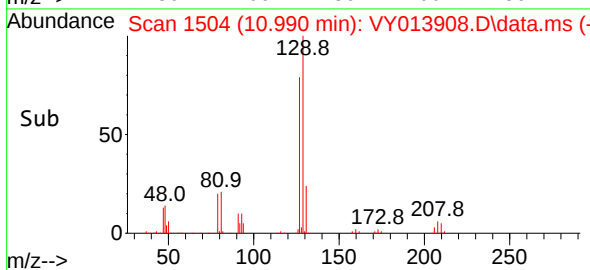
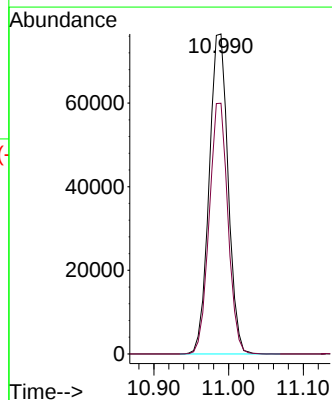
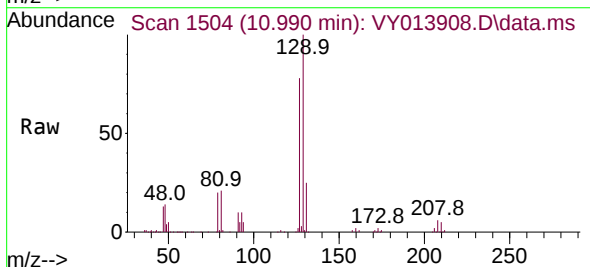
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

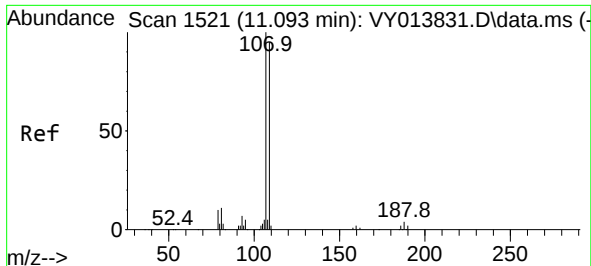
Tgt Ion: 43 Resp: 494074
Ion Ratio Lower Upper
43 100
58 48.6 24.8 74.3



#60
Dibromochloromethane
Concen: 55.497 ug/l
RT: 10.990 min Scan# 1504
Delta R.T. 0.006 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

Tgt Ion: 129 Resp: 134892
Ion Ratio Lower Upper
129 100
127 77.3 38.6 116.0

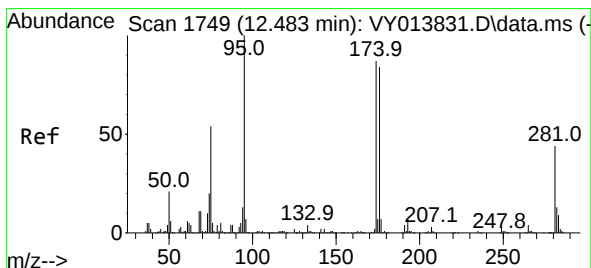
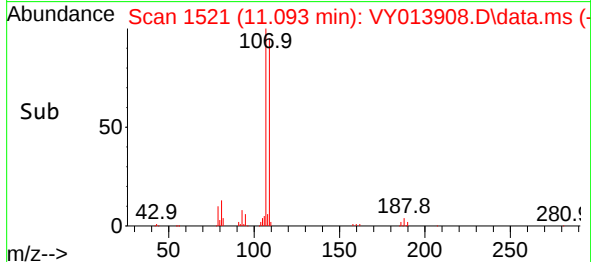
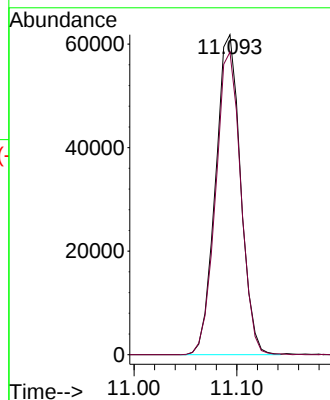
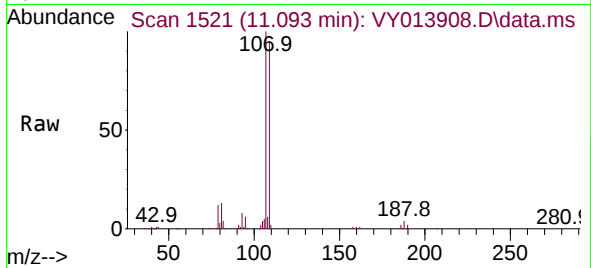




#61
1,2-Dibromoethane
Concen: 57.196 ug/l
RT: 11.093 min Scan# 1521
Delta R.T. 0.000 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

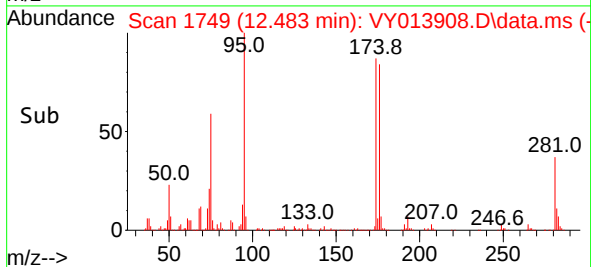
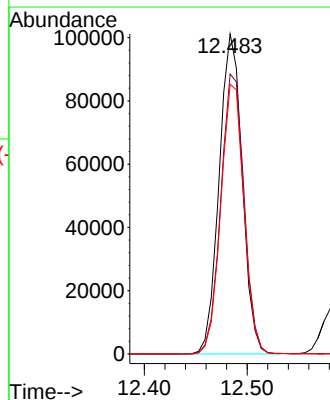
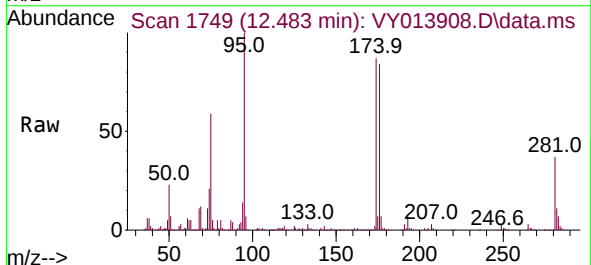
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

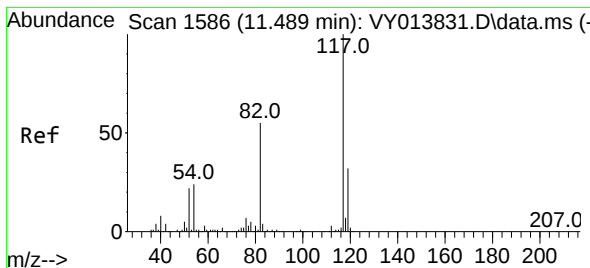
Tgt Ion:107 Resp: 104549
Ion Ratio Lower Upper
107 100
109 95.0 74.9 112.3



#62
4-Bromofluorobenzene
Concen: 55.860 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

Tgt Ion: 95 Resp: 157039
Ion Ratio Lower Upper
95 100
174 88.5 0.0 176.0
176 84.9 0.0 170.2

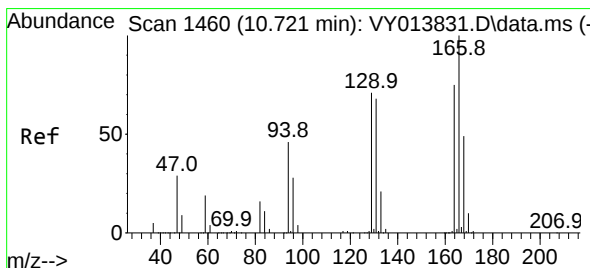
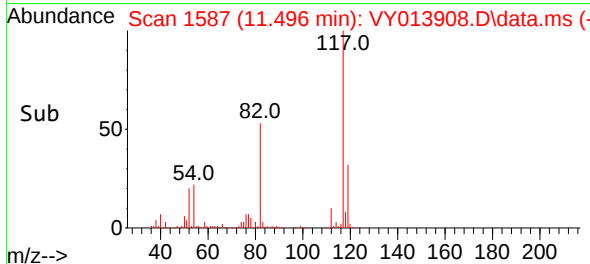
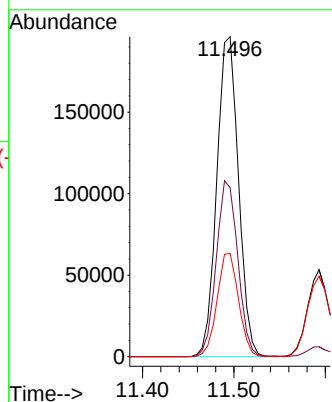
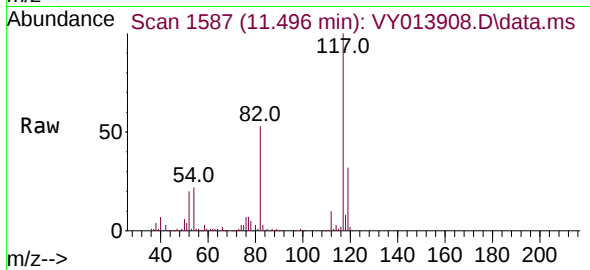




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

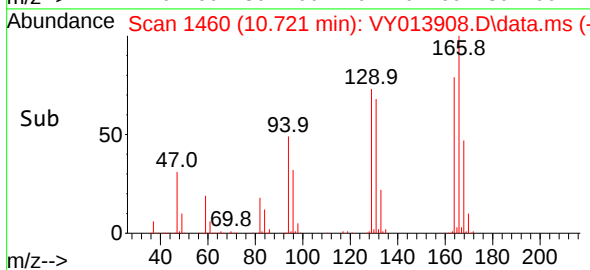
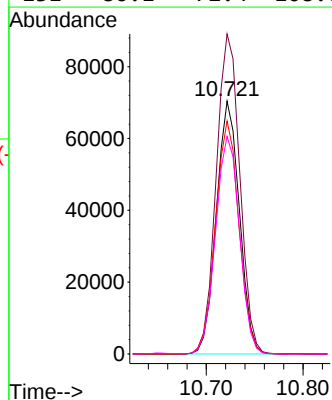
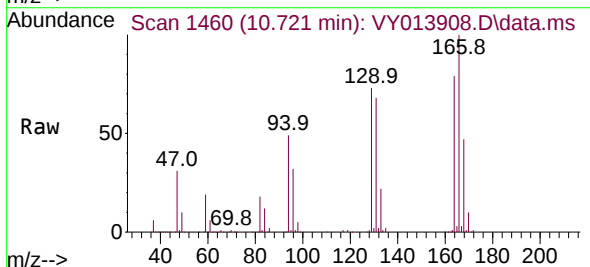
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

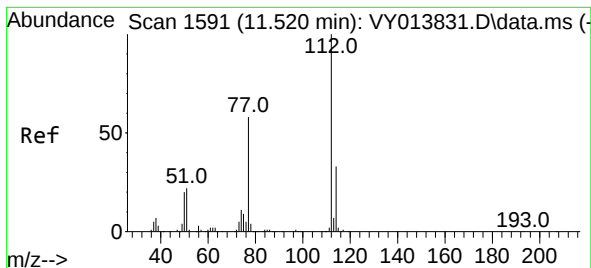
Tgt Ion:117 Resp: 324029
Ion Ratio Lower Upper
117 100
82 52.8 44.2 66.4
119 32.3 25.7 38.5



#64
Tetrachloroethene
Concen: 48.654 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

Tgt Ion:164 Resp: 116648
Ion Ratio Lower Upper
164 100
166 126.6 106.2 159.2
129 92.2 75.4 113.0
131 86.1 72.4 108.6

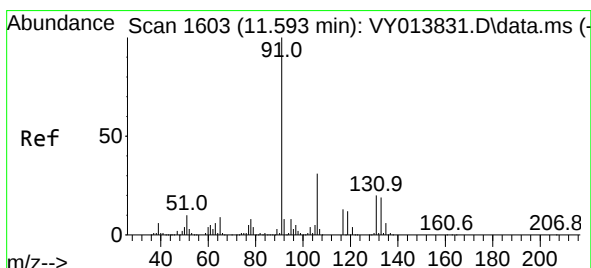
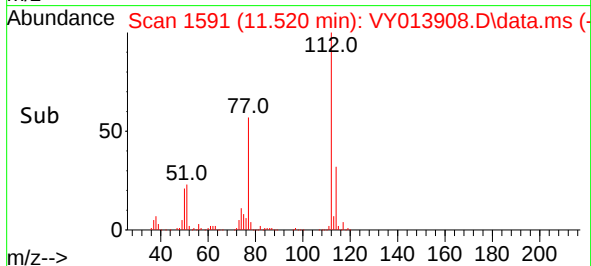
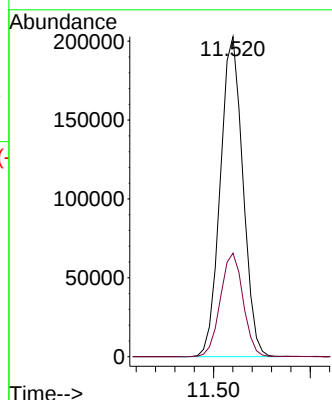
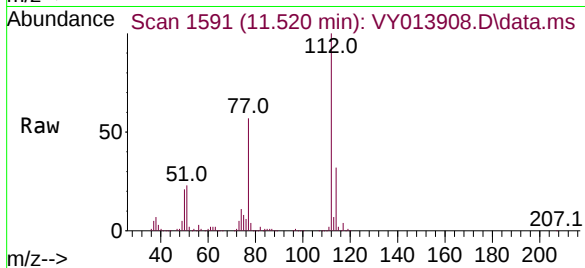




#65
Chlorobenzene
Concen: 48.381 ug/l
RT: 11.520 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

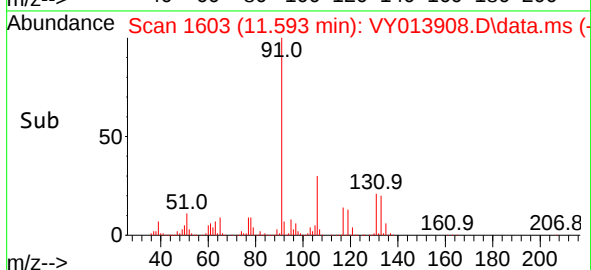
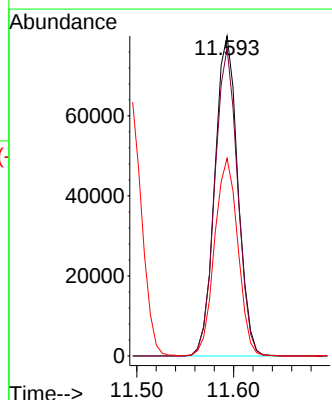
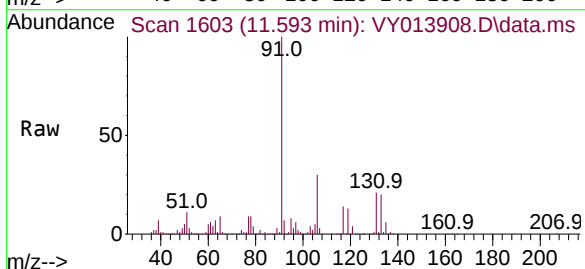
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

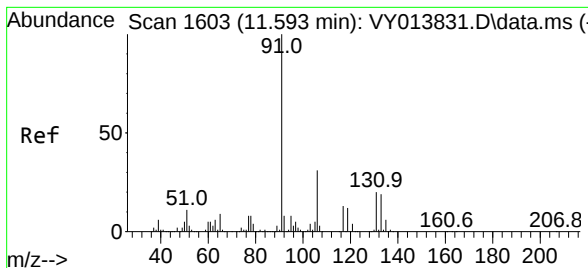
Tgt Ion:112 Resp: 328570
Ion Ratio Lower Upper
112 100
114 32.4 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 50.375 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

Tgt Ion:131 Resp: 132040
Ion Ratio Lower Upper
131 100
133 95.3 47.9 143.7
119 62.6 32.1 96.5





#67

Ethyl Benzene

Concen: 48.505 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY013908.D

Acq: 26 May 2023 21:03

Instrument :

MSVOA_Y

ClientSampleId :

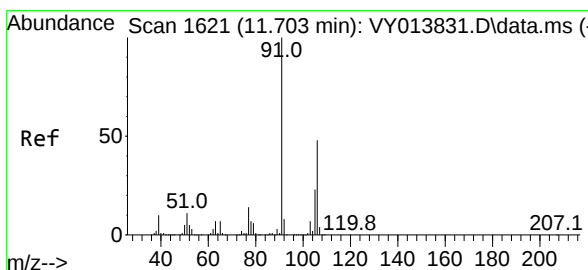
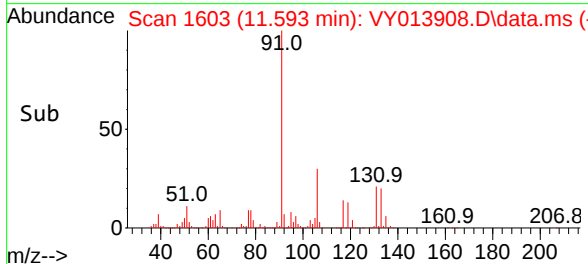
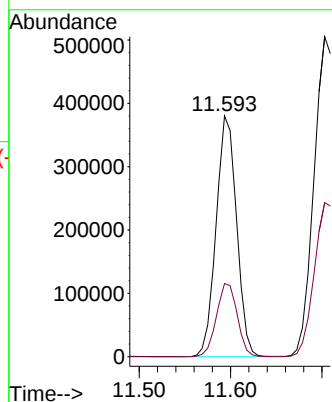
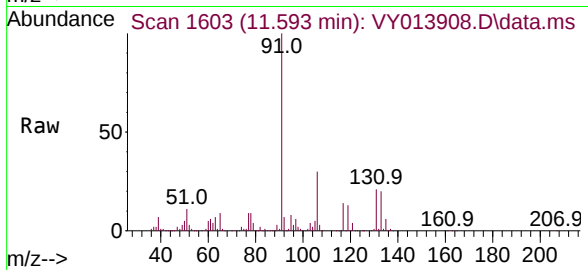
VSTDCCC050EC

Tgt Ion: 91 Resp: 592790

Ion Ratio Lower Upper

91 100

106 30.3 24.7 37.1



#68

m/p-Xylenes

Concen: 97.852 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. 0.000 min

Lab File: VY013908.D

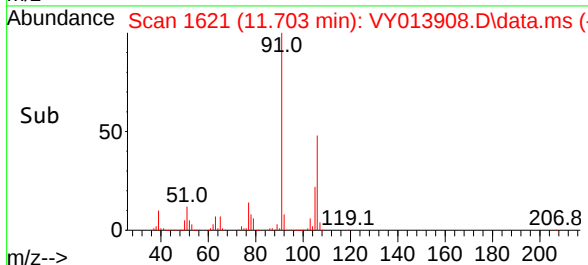
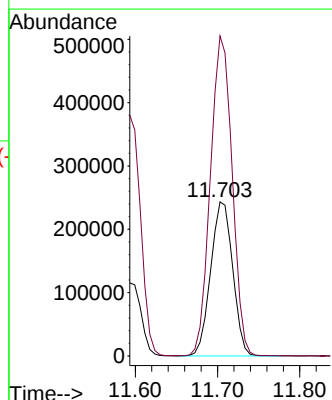
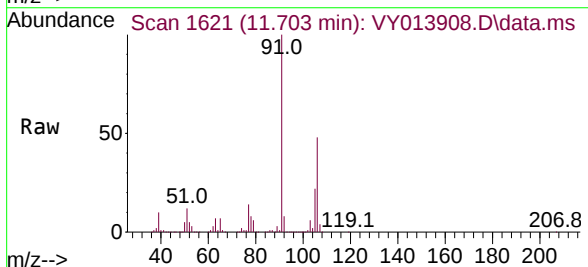
Acq: 26 May 2023 21:03

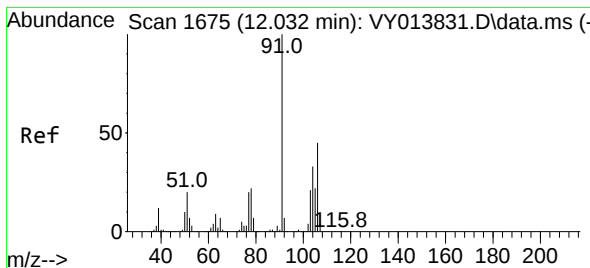
Tgt Ion: 106 Resp: 452571

Ion Ratio Lower Upper

106 100

91 205.8 164.9 247.3

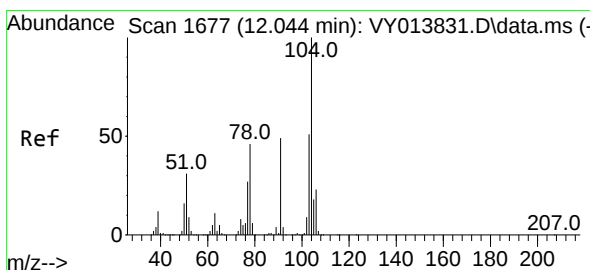
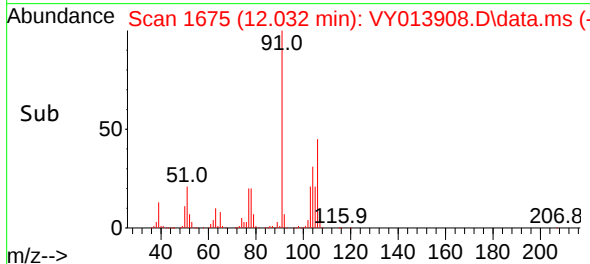
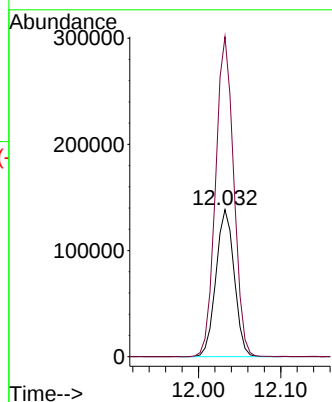
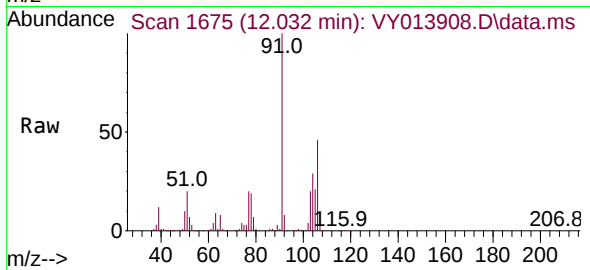




#69
o-Xylene
Concen: 49.139 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

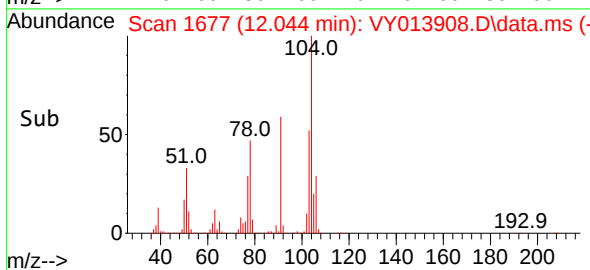
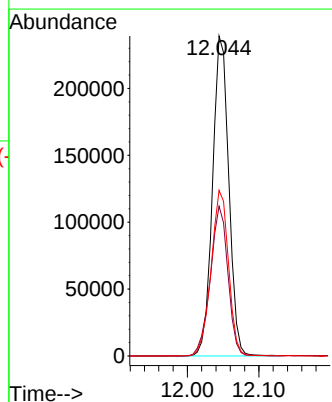
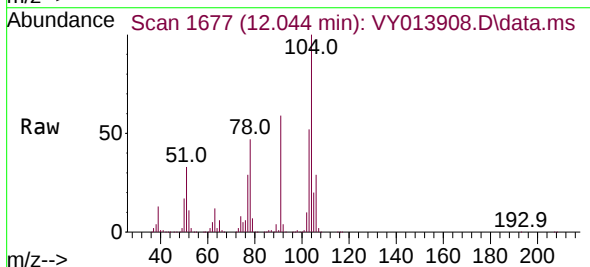
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

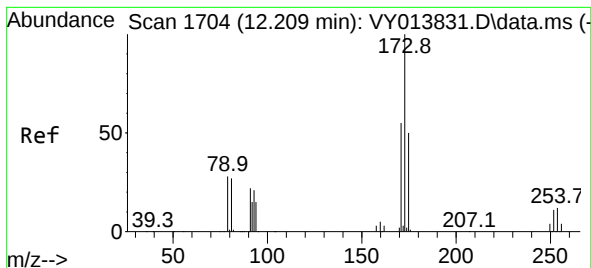
Tgt Ion:106 Resp: 214080
Ion Ratio Lower Upper
106 100
91 216.3 109.0 327.0



#70
Styrene
Concen: 51.152 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. 0.000 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

Tgt Ion:104 Resp: 377485
Ion Ratio Lower Upper
104 100
78 50.6 40.8 61.2
103 55.5 44.2 66.4





#71

Bromoform

Concen: 55.634 ug/l

RT: 12.209 min Scan# 1704

Delta R.T. 0.000 min

Lab File: VY013908.D

Acq: 26 May 2023 21:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

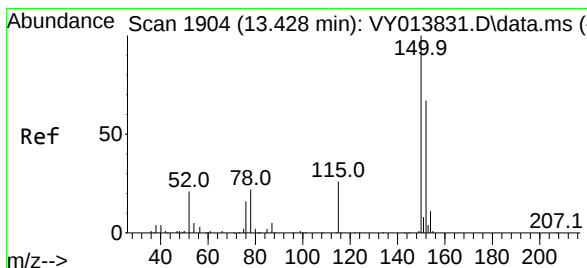
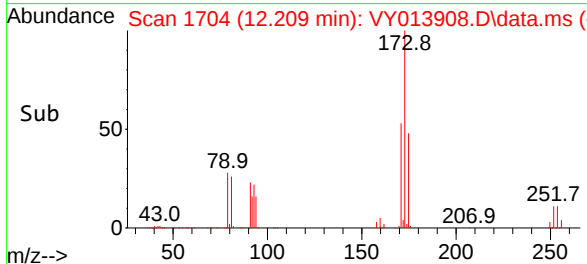
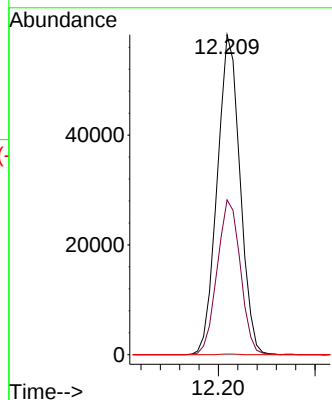
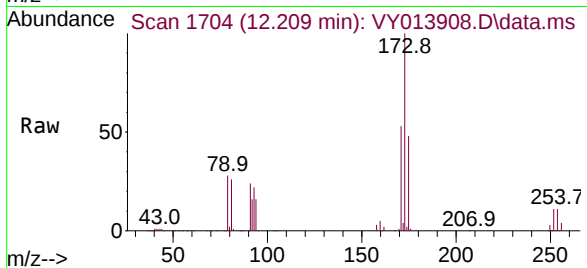
Tgt Ion:173 Resp: 95308

Ion Ratio Lower Upper

173 100

175 49.1 25.1 75.4

254 0.1 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: VY013908.D

Acq: 26 May 2023 21:03

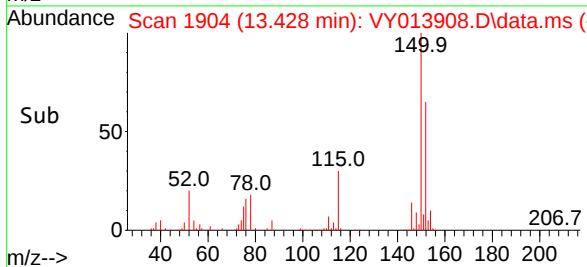
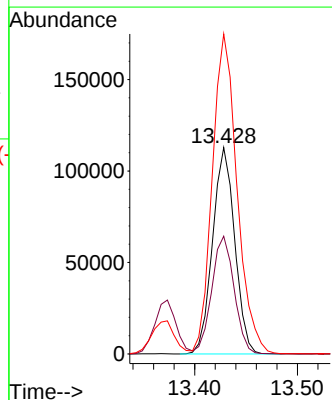
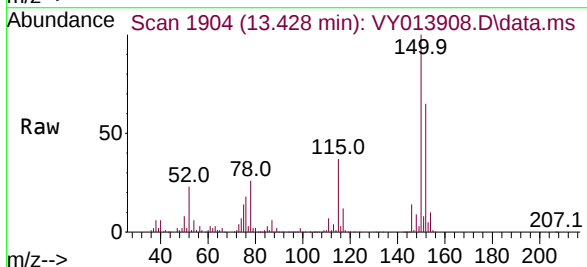
Tgt Ion:152 Resp: 168469

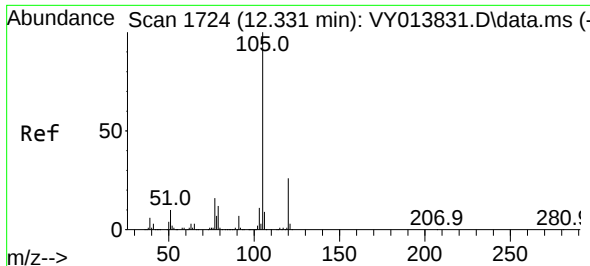
Ion Ratio Lower Upper

152 100

115 57.8 28.8 86.5

150 173.3 0.0 353.4

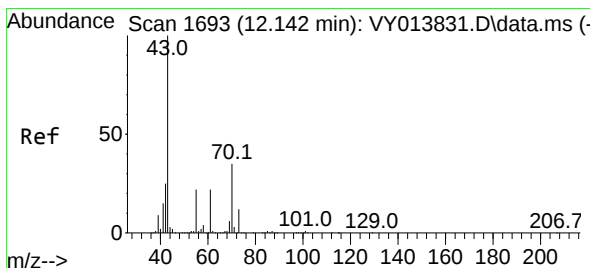
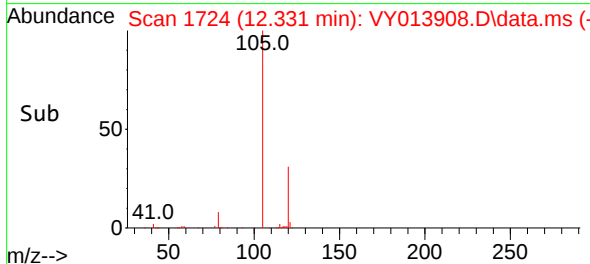
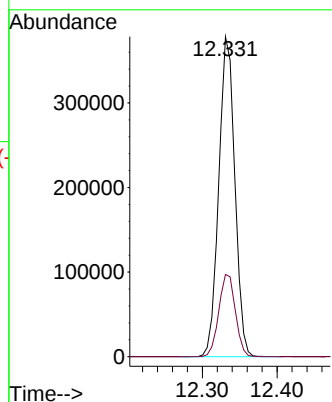
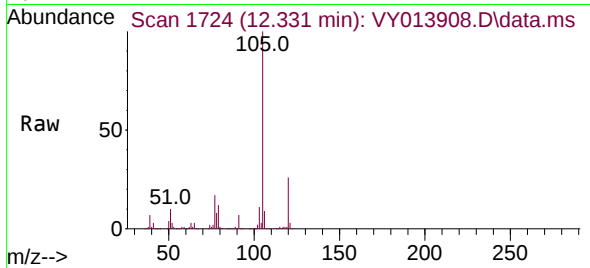




#73
Isopropylbenzene
Concen: 45.045 ug/l
RT: 12.331 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

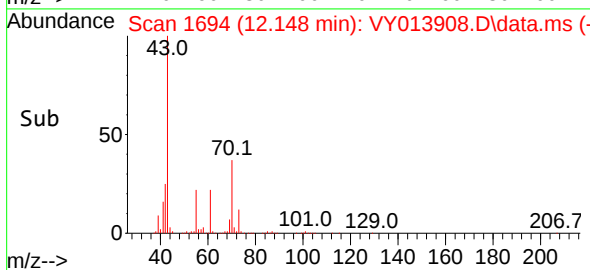
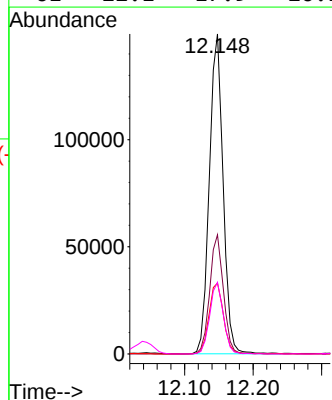
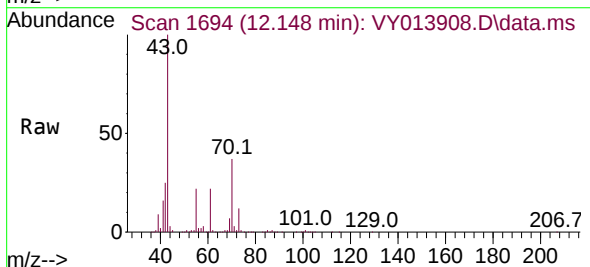
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

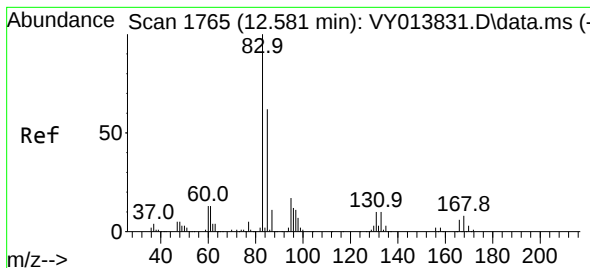
Tgt Ion:105 Resp: 564824
Ion Ratio Lower Upper
105 100
120 26.5 13.2 39.6



#74
N-ethyl acetate
Concen: 55.478 ug/l
RT: 12.148 min Scan# 1694
Delta R.T. 0.006 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

Tgt Ion: 43 Resp: 209149
Ion Ratio Lower Upper
43 100
70 37.0 29.3 43.9
55 23.4 18.0 27.0
61 22.1 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 54.977 ug/l

RT: 12.587 min Scan# 1766

Delta R.T. 0.006 min

Lab File: VY013908.D

Acq: 26 May 2023 21:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

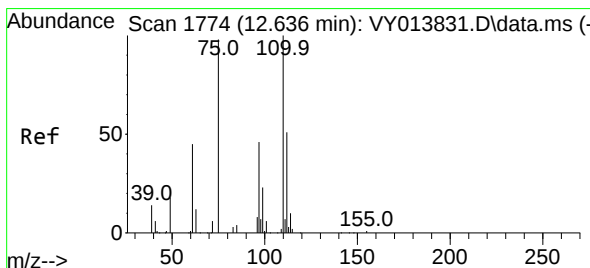
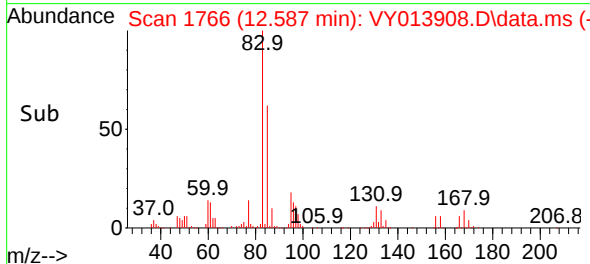
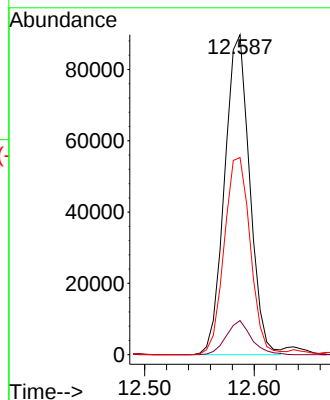
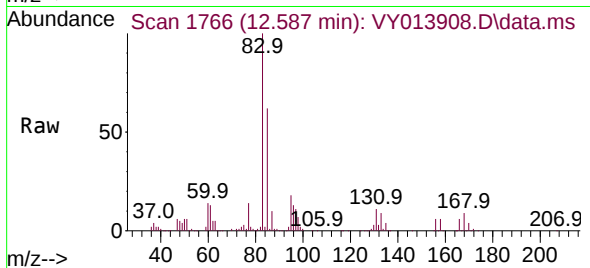
Tgt Ion: 83 Resp: 142703

Ion Ratio Lower Upper

83 100

131 10.7 5.3 16.1

85 64.3 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 93.759 ug/l

RT: 12.636 min Scan# 1774

Delta R.T. 0.000 min

Lab File: VY013908.D

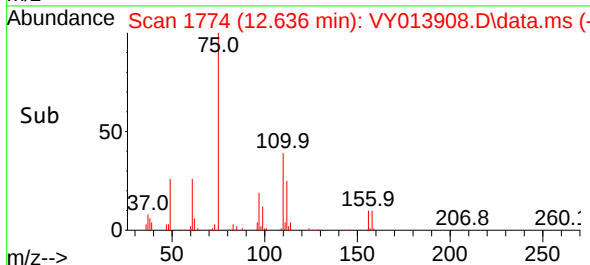
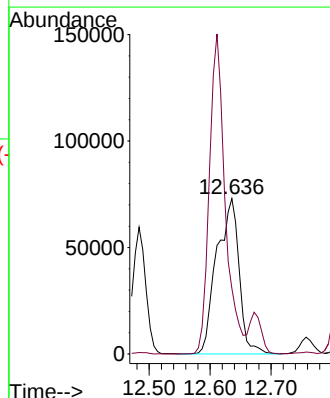
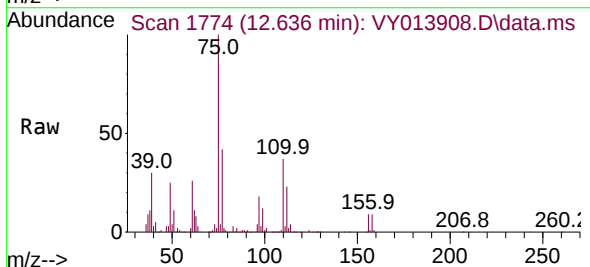
Acq: 26 May 2023 21:03

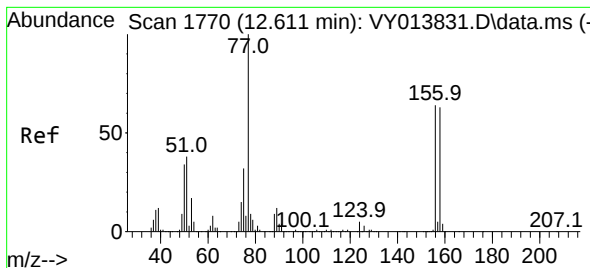
Tgt Ion: 75 Resp: 186249

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 46.925 ug/l

RT: 12.611 min Scan# 1770

Delta R.T. 0.000 min

Lab File: VY013908.D

Acq: 26 May 2023 21:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

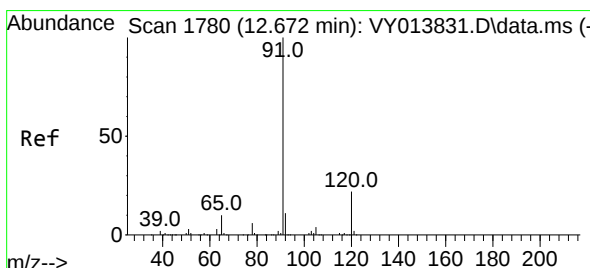
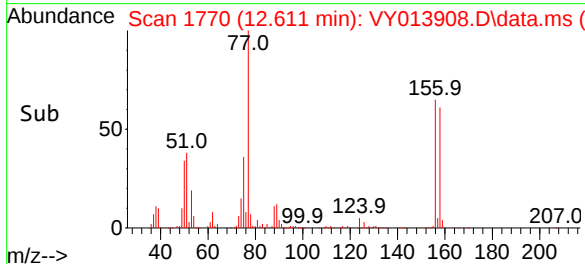
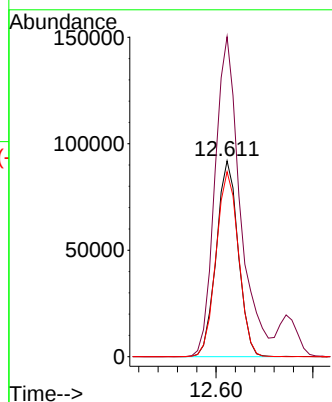
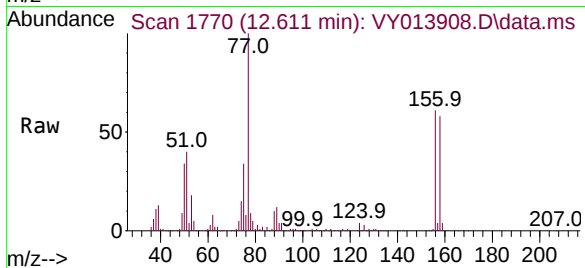
Tgt Ion:156 Resp: 144375

Ion Ratio Lower Upper

156 100

77 187.6 91.6 274.8

158 96.8 48.9 146.6



#78

n-propylbenzene

Concen: 45.567 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.000 min

Lab File: VY013908.D

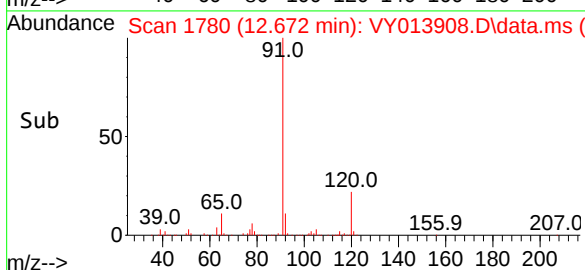
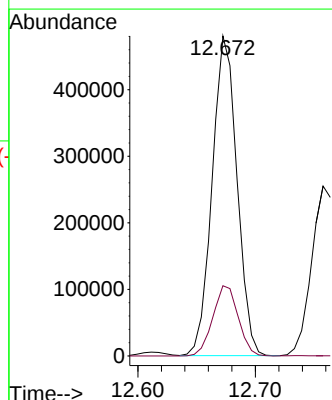
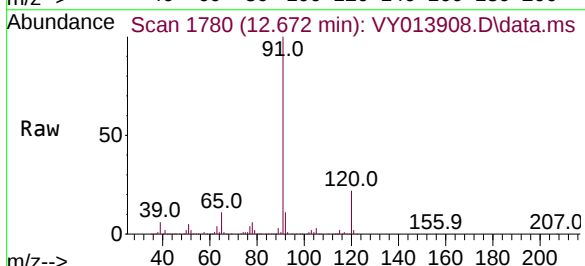
Acq: 26 May 2023 21:03

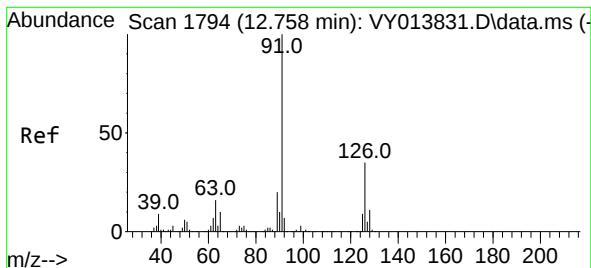
Tgt Ion: 91 Resp: 705872

Ion Ratio Lower Upper

91 100

120 22.4 11.3 33.9





#79

2-Chlorotoluene

Concen: 46.094 ug/l

RT: 12.758 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013908.D

Acq: 26 May 2023 21:03

Instrument :

MSVOA_Y

ClientSampleId :

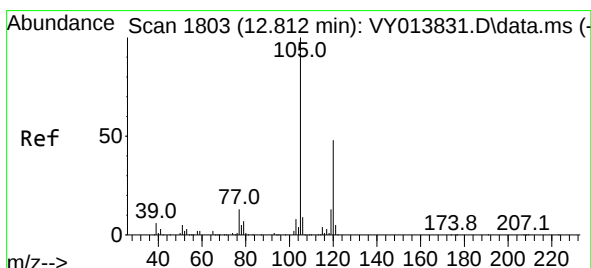
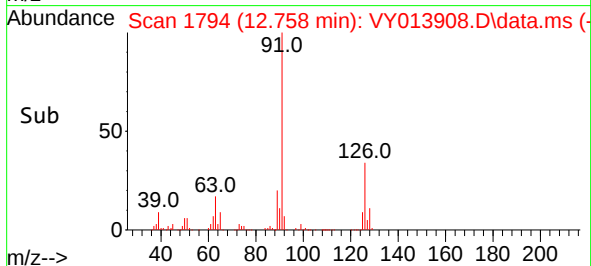
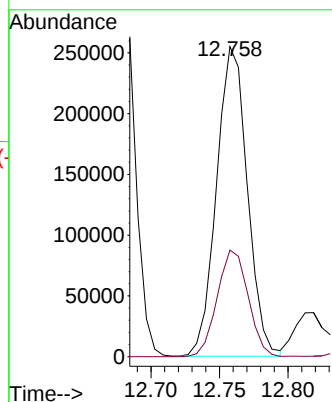
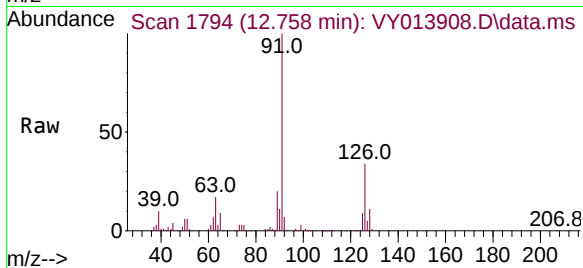
VSTDCCC050EC

Tgt Ion: 91 Resp: 398839

Ion Ratio Lower Upper

91 100

126 34.5 17.8 53.4



#80

1,3,5-Trimethylbenzene

Concen: 46.367 ug/l

RT: 12.813 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY013908.D

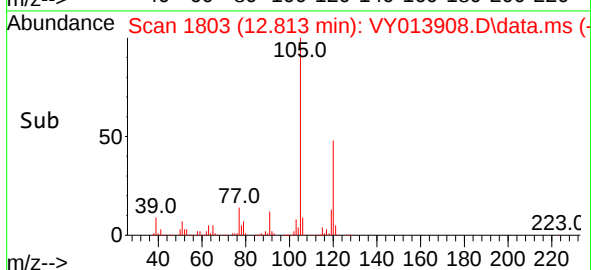
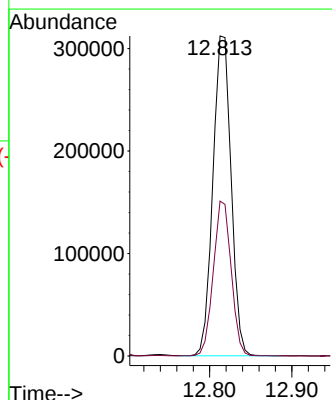
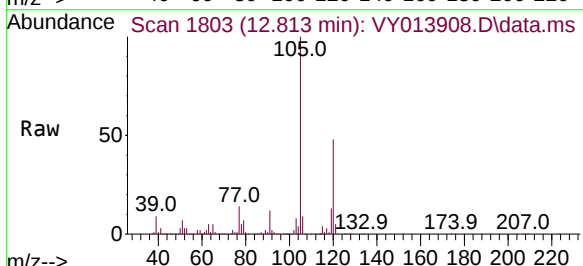
Acq: 26 May 2023 21:03

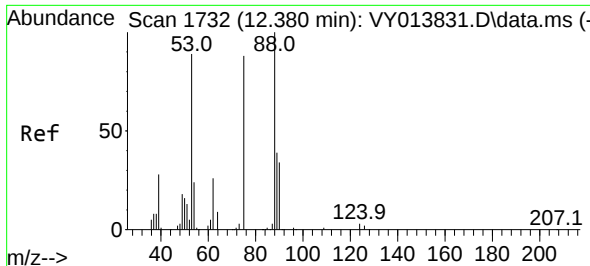
Tgt Ion:105 Resp: 479918

Ion Ratio Lower Upper

105 100

120 47.4 23.9 71.7

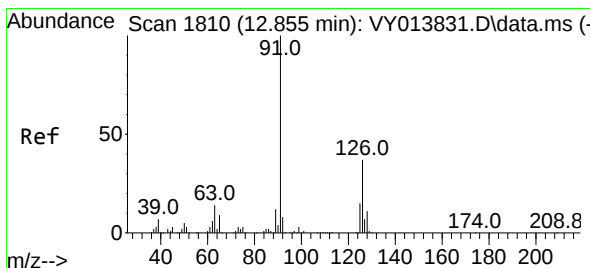
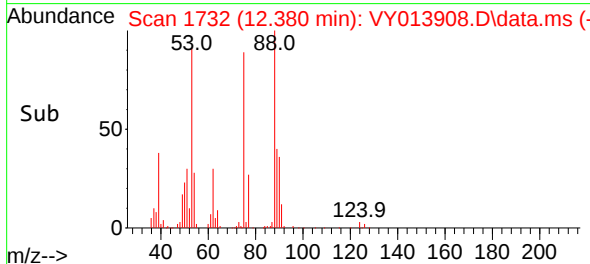
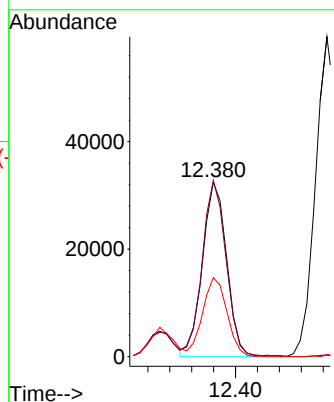
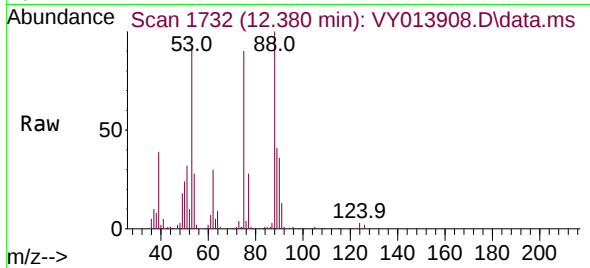




#81
trans-1,4-Dichloro-2-butene
Concen: 54.488 ug/l
RT: 12.380 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

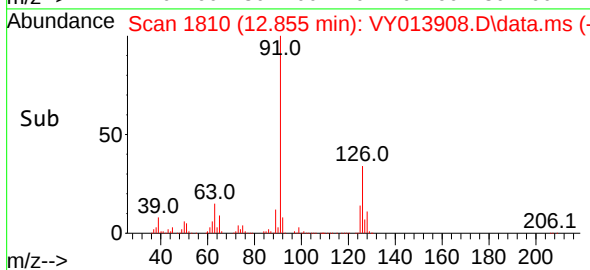
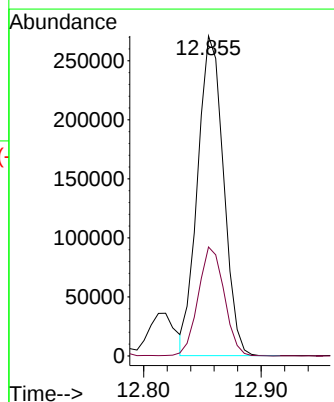
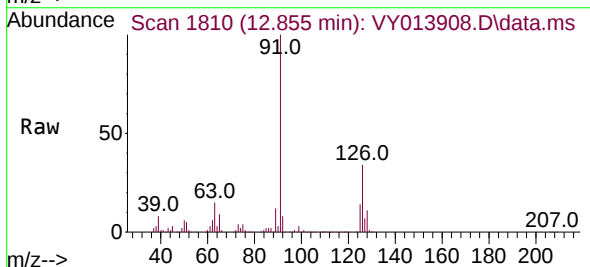
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

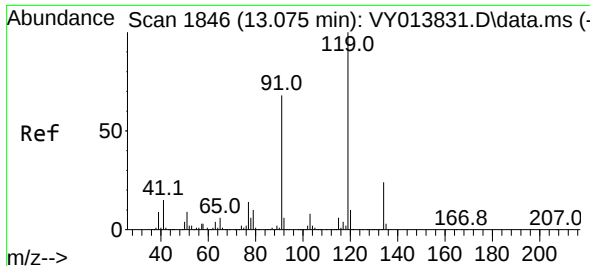
Tgt Ion: 75 Resp: 49864
Ion Ratio Lower Upper
75 100
53 100.0 79.7 119.5
89 45.5 36.4 54.6



#82
4-Chlorotoluene
Concen: 46.415 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VY013908.D
Acq: 26 May 2023 21:03

Tgt Ion: 91 Resp: 415099
Ion Ratio Lower Upper
91 100
126 34.1 17.9 53.7

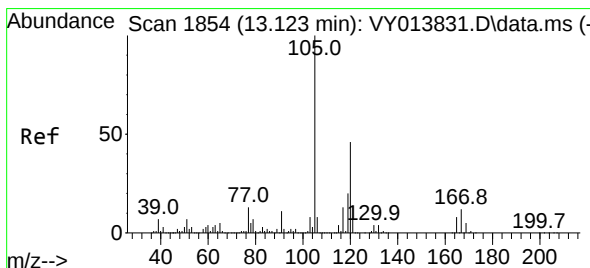
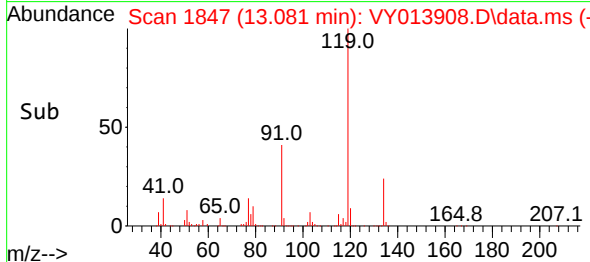
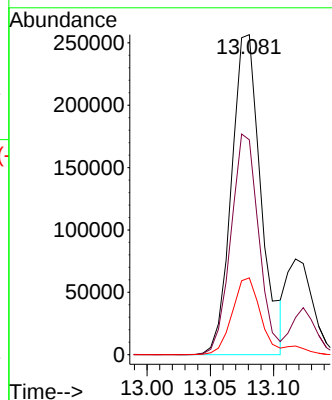
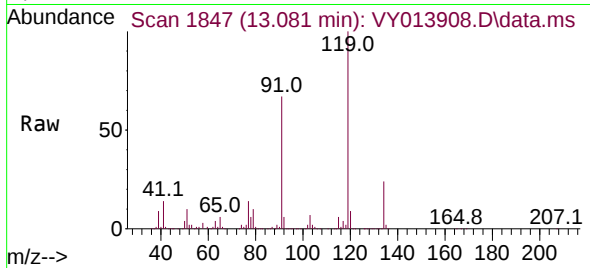




#83
 tert-Butylbenzene
 Concen: 46.120 ug/l
 RT: 13.081 min Scan# 1846
 Delta R.T. 0.006 min
 Lab File: VY013908.D
 Acq: 26 May 2023 21:03

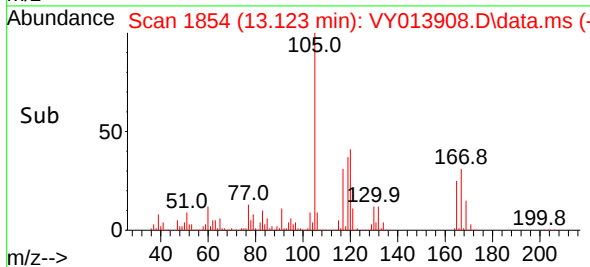
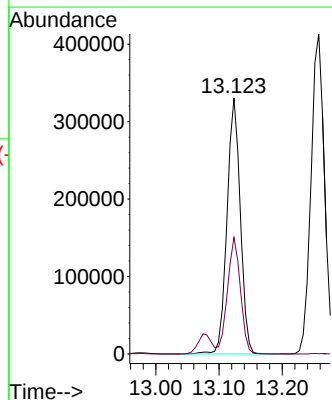
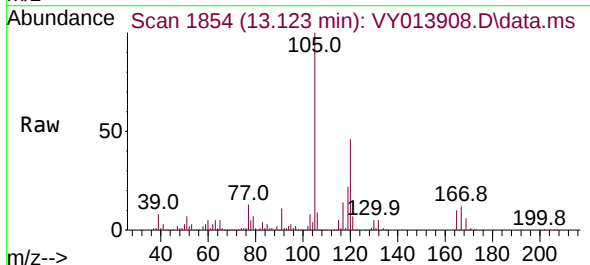
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

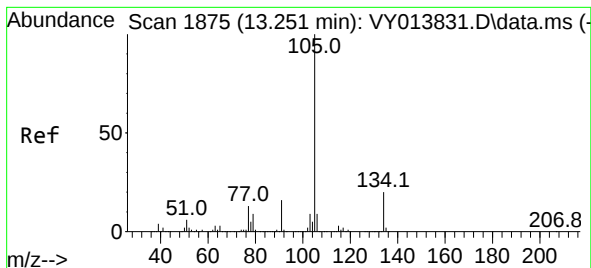
Tgt Ion:119 Resp: 415755
 Ion Ratio Lower Upper
 119 100
 91 65.4 33.7 101.0
 134 25.0 13.1 39.1



#84
 1,2,4-Trimethylbenzene
 Concen: 47.312 ug/l
 RT: 13.123 min Scan# 1854
 Delta R.T. 0.000 min
 Lab File: VY013908.D
 Acq: 26 May 2023 21:03

Tgt Ion:105 Resp: 480693
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.4 67.3





#85

sec-Butylbenzene

Concen: 45.229 ug/l

RT: 13.258 min Scan# 1875

Delta R.T. 0.006 min

Lab File: VY013908.D

Acq: 26 May 2023 21:03

Instrument :

MSVOA_Y

ClientSampleId :

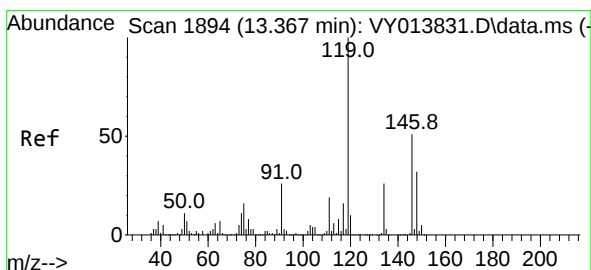
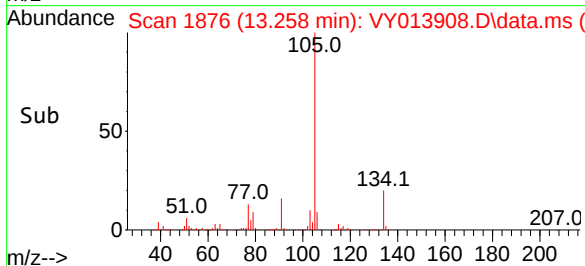
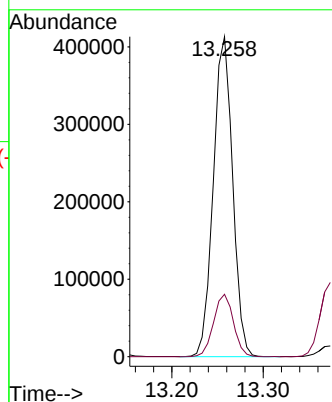
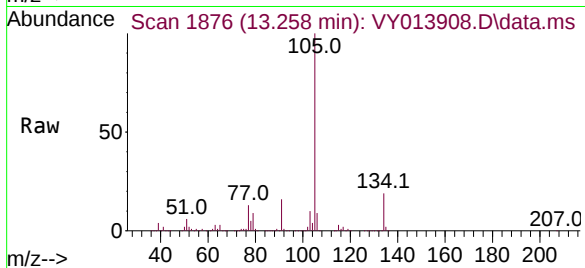
VSTDCCC050EC

Tgt Ion:105 Resp: 605663

Ion Ratio Lower Upper

105 100

134 20.0 10.3 30.8



#86

p-Isopropyltoluene

Concen: 45.444 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.006 min

Lab File: VY013908.D

Acq: 26 May 2023 21:03

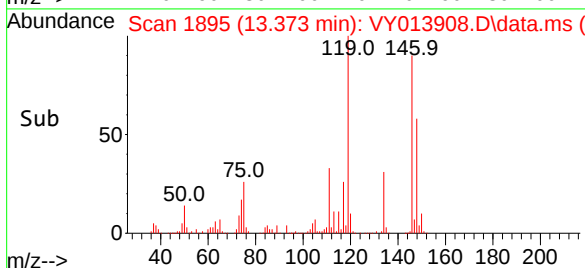
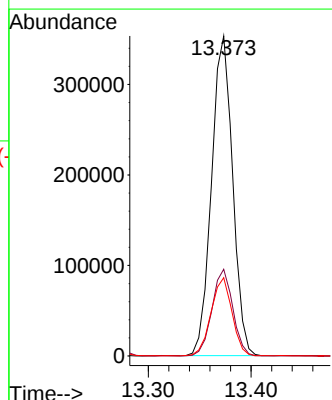
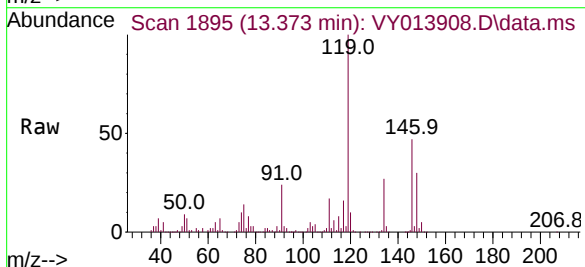
Tgt Ion:119 Resp: 502972

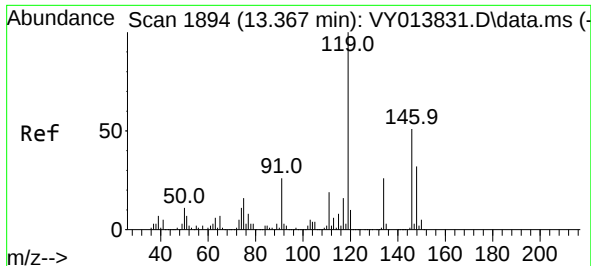
Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

91 24.2 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 46.495 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY013908.D

Acq: 26 May 2023 21:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

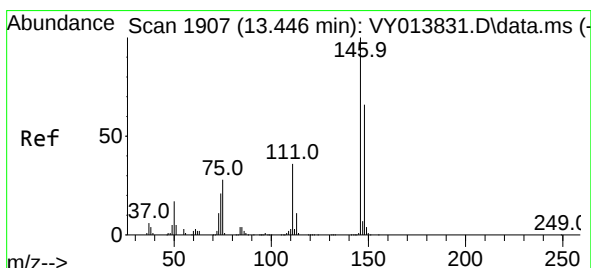
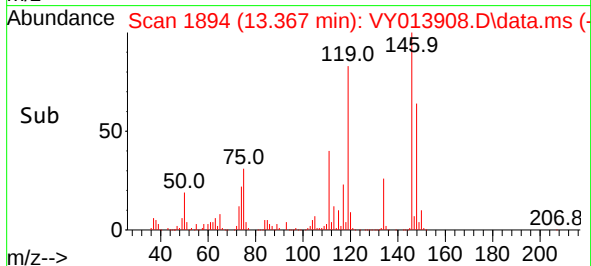
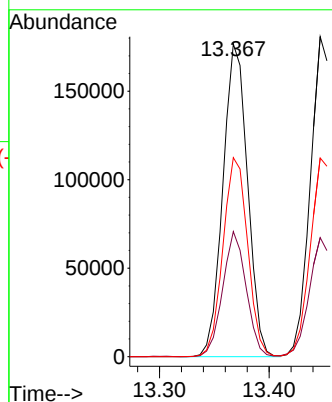
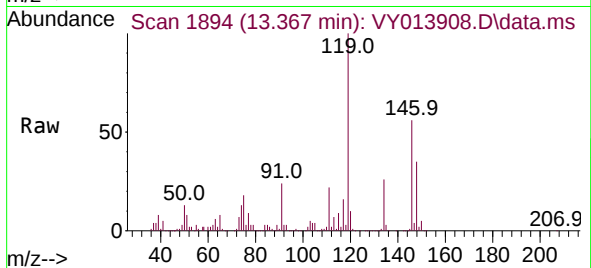
Tgt Ion:146 Resp: 276291

Ion Ratio Lower Upper

146 100

111 38.1 19.1 57.5

148 63.7 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 46.833 ug/l

RT: 13.447 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY013908.D

Acq: 26 May 2023 21:03

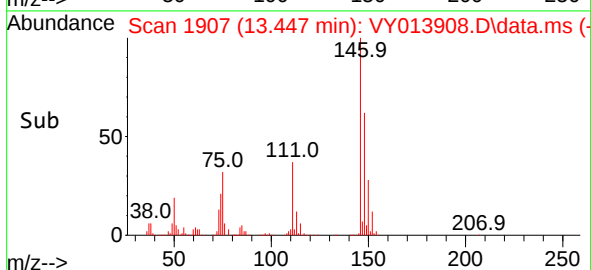
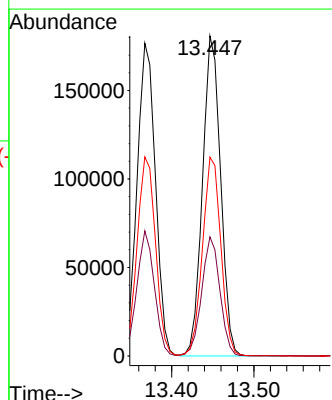
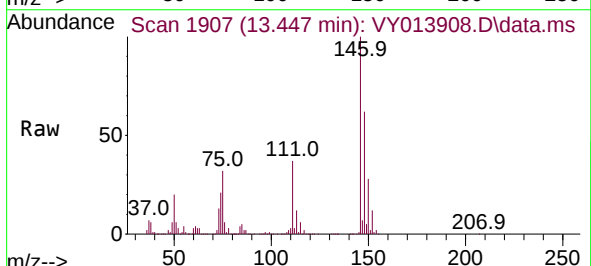
Tgt Ion:146 Resp: 277067

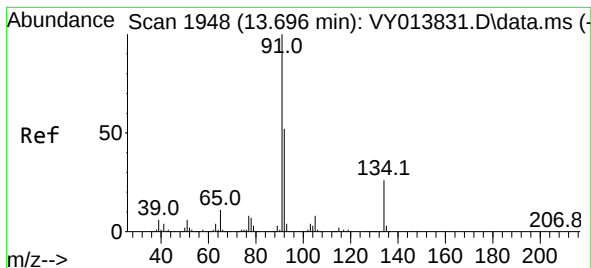
Ion Ratio Lower Upper

146 100

111 37.5 18.6 55.8

148 63.1 32.4 97.2





#89

n-Butylbenzene

Concen: 45.432 ug/l

RT: 13.697 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY013908.D

Acq: 26 May 2023 21:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

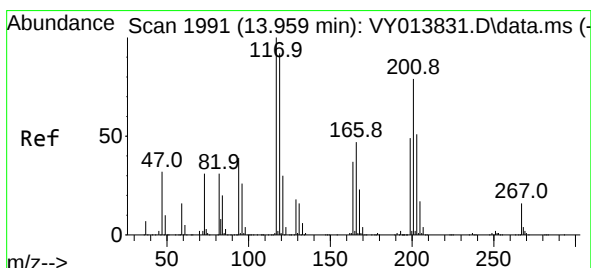
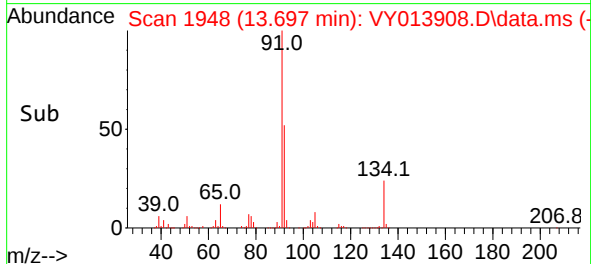
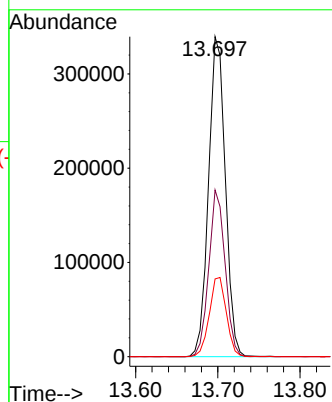
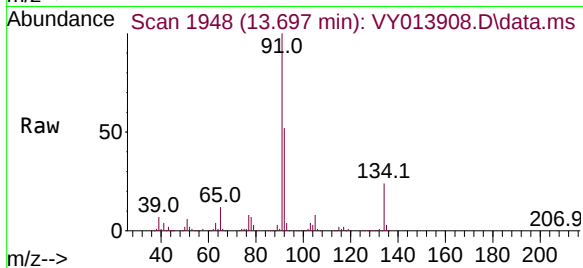
Tgt Ion: 91 Resp: 482199

Ion Ratio Lower Upper

91 100

92 50.6 25.6 76.6

134 25.1 13.0 38.9



#90

Hexachloroethane

Concen: 44.119 ug/l

RT: 13.965 min Scan# 1992

Delta R.T. 0.006 min

Lab File: VY013908.D

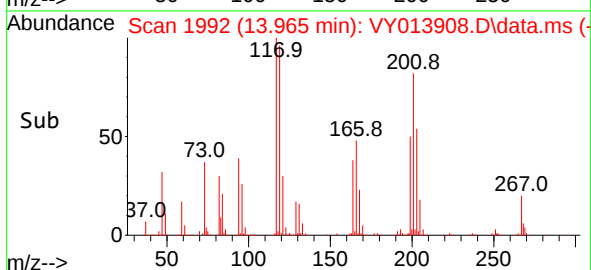
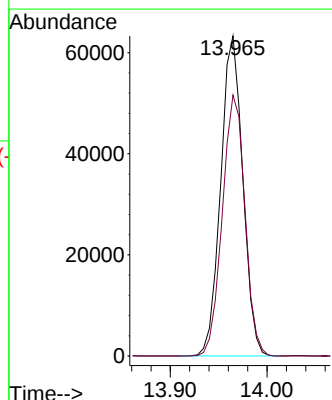
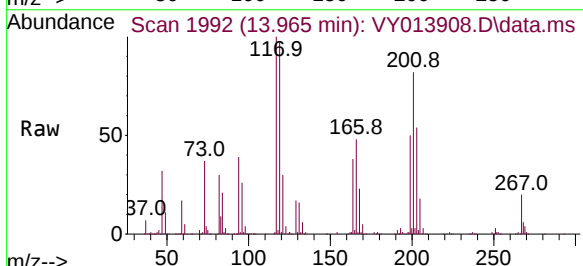
Acq: 26 May 2023 21:03

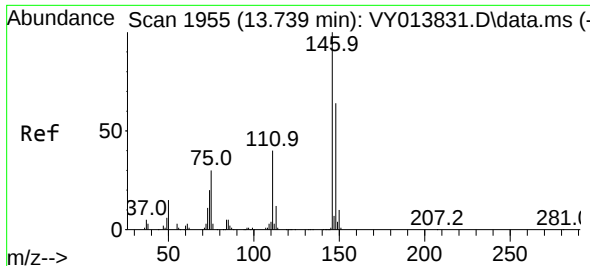
Tgt Ion: 117 Resp: 100259

Ion Ratio Lower Upper

117 100

201 83.2 42.3 126.8





#91

1,2-Dichlorobenzene

Concen: 48.056 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. 0.000 min

Lab File: VY013908.D

Acq: 26 May 2023 21:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

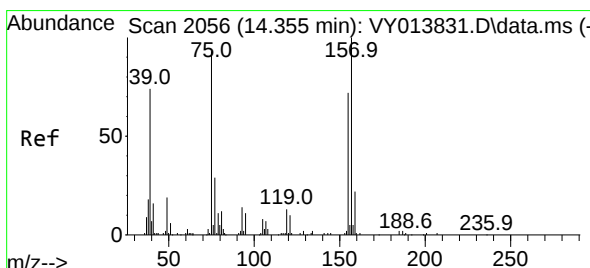
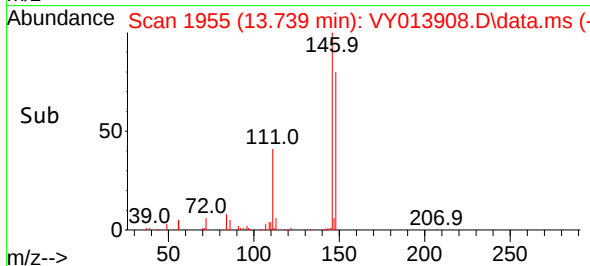
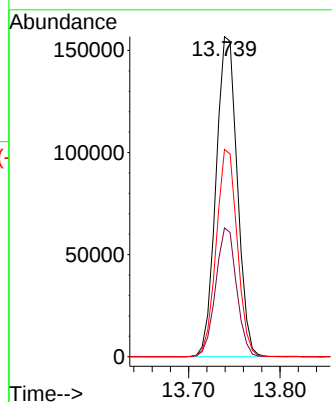
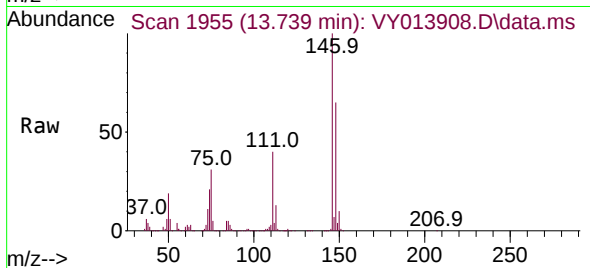
Tgt Ion:146 Resp: 253788

Ion Ratio Lower Upper

146 100

111 39.5 19.6 58.8

148 63.9 32.1 96.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 59.015 ug/l

RT: 14.355 min Scan# 2056

Delta R.T. 0.000 min

Lab File: VY013908.D

Acq: 26 May 2023 21:03

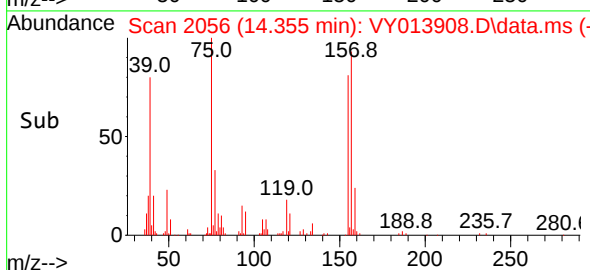
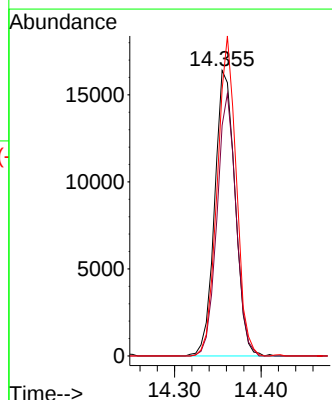
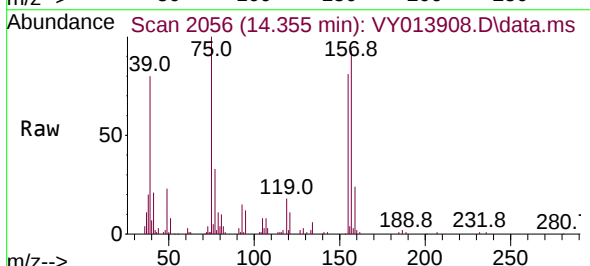
Tgt Ion: 75 Resp: 26838

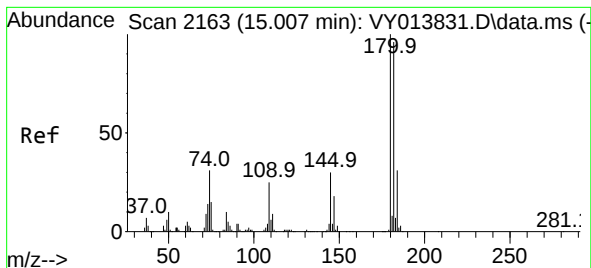
Ion Ratio Lower Upper

75 100

155 85.7 39.9 119.6

157 104.2 54.6 163.8





#93

1,2,4-Trichlorobenzene

Concen: 48.005 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY013908.D

Acq: 26 May 2023 21:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

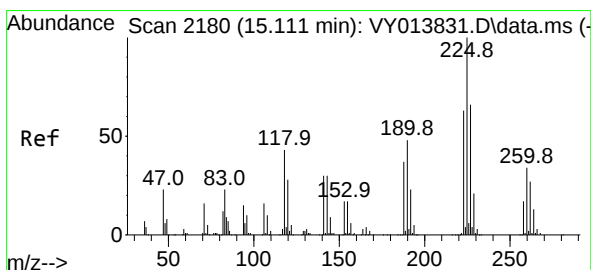
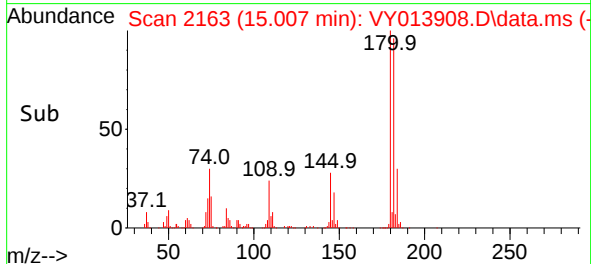
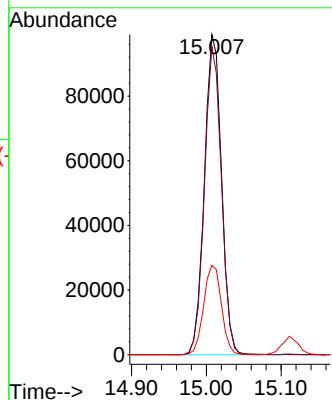
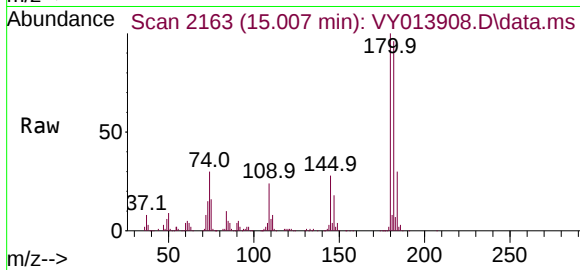
Tgt Ion:180 Resp: 157165

Ion Ratio Lower Upper

180 100

182 95.8 48.1 144.3

145 29.0 14.8 44.4



#94

Hexachlorobutadiene

Concen: 43.420 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. 0.000 min

Lab File: VY013908.D

Acq: 26 May 2023 21:03

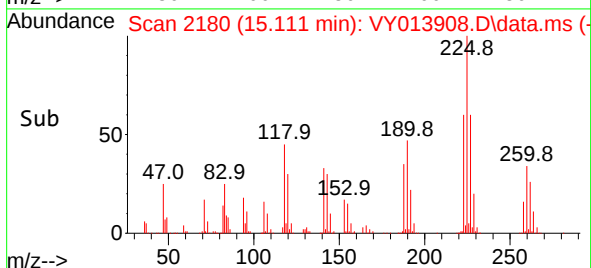
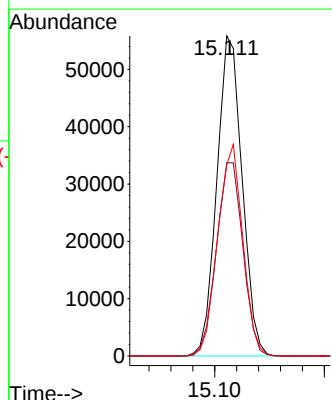
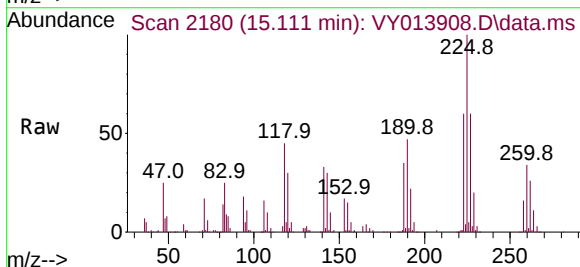
Tgt Ion:225 Resp: 89632

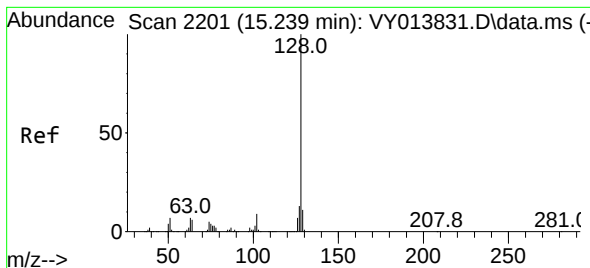
Ion Ratio Lower Upper

225 100

223 63.3 31.3 93.9

227 65.4 32.9 98.6





#95

Naphthalene

Concen: 50.087 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY013908.D

Acq: 26 May 2023 21:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

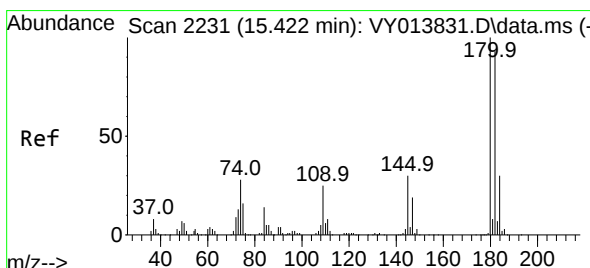
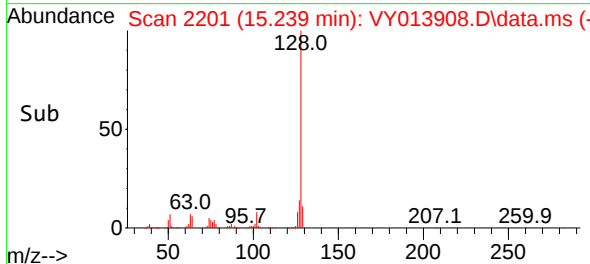
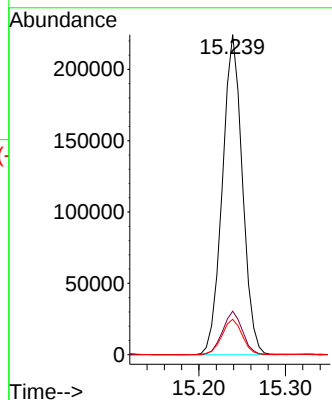
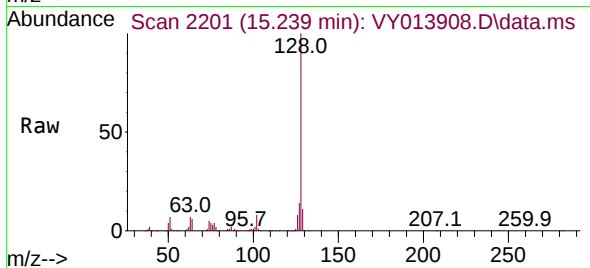
Tgt Ion:128 Resp: 360191

Ion Ratio Lower Upper

128 100

127 13.5 10.7 16.1

129 11.2 9.0 13.4



#96

1,2,3-Trichlorobenzene

Concen: 50.639 ug/l

RT: 15.428 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY013908.D

Acq: 26 May 2023 21:03

Tgt Ion:180 Resp: 147434

Ion Ratio Lower Upper

180 100

182 94.0 47.4 142.2

145 30.7 15.5 46.5

