

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051723\
 Data File : VY013769.D
 Acq On : 17 May 2023 10:59
 Operator : KP/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Quant Time: May 18 06:37:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 06:33:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	262971	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	417035	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	371626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	180981	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	61866	20.252	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	40.500%#
35) Dibromofluoromethane	7.716	113	52436	19.608	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	39.220%#
50) Toluene-d8	10.185	98	203648	20.087	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	40.180%#
62) 4-Bromofluorobenzene	12.483	95	67707	20.106	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	40.220%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	37214	19.710	ug/l	97
3) Chloromethane	2.113	50	56556	19.758	ug/l	99
4) Vinyl Chloride	2.253	62	55804	19.524	ug/l	97
5) Bromomethane	2.649	94	53151	20.970	ug/l	94
6) Chloroethane	2.796	64	39477	20.094	ug/l	95
7) Trichlorofluoromethane	3.131	101	82945	19.939	ug/l	97
8) Diethyl Ether	3.533	74	28001	20.116	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.899	101	49148	20.187	ug/l	97
10) Methyl Iodide	4.094	142	50599	18.917	ug/l	99
11) Tert butyl alcohol	5.003	59	24711	99.852	ug/l #	91
12) 1,1-Dichloroethene	3.875	96	43263	19.604	ug/l	96
13) Acrolein	3.728	56	45859	103.730	ug/l	100
14) Allyl chloride	4.478	41	84045	19.333	ug/l	98
15) Acrylonitrile	5.167	53	83784	102.637	ug/l	98
16) Acetone	3.960	43	92065	99.890	ug/l	97
17) Carbon Disulfide	4.198	76	122109	19.256	ug/l	98
18) Methyl Acetate	4.484	43	66100	20.571	ug/l	100
19) Methyl tert-butyl Ether	5.228	73	131417	19.628	ug/l	100
20) Methylene Chloride	4.716	84	64823	19.598	ug/l	98
21) trans-1,2-Dichloroethene	5.228	96	48721	19.607	ug/l	97
22) Diisopropyl ether	6.118	45	182657	19.753	ug/l	97
23) Vinyl Acetate	6.063	43	525207	98.153	ug/l	99
24) 1,1-Dichloroethane	6.021	63	99769	19.737	ug/l	98
25) 2-Butanone	6.990	43	122754	102.456	ug/l	98
26) 2,2-Dichloropropane	6.984	77	83133	19.253	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	56048	19.142	ug/l	96
28) Bromochloromethane	7.338	49	36021	20.366	ug/l	99
29) Tetrahydrofuran	7.350	42	73115	101.990	ug/l	99
30) Chloroform	7.508	83	98923	19.420	ug/l	96
31) Cyclohexane	7.789	56	84209	19.226	ug/l	97
32) 1,1,1-Trichloroethane	7.703	97	86070	19.795	ug/l	100
36) 1,1-Dichloropropene	7.917	75	71791	19.429	ug/l	99
37) Ethyl Acetate	7.081	43	50061	19.696	ug/l	99
38) Carbon Tetrachloride	7.905	117	75766	19.437	ug/l	98
39) Methylcyclohexane	9.185	83	80742	19.225	ug/l	96
40) Benzene	8.161	78	208110	19.381	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	26099	21.285	ug/l #	78
42) 1,2-Dichloroethane	8.240	62	68198	19.657	ug/l	100
43) Isopropyl Acetate	8.276	43	92412	20.032	ug/l	99
44) Trichloroethene	8.941	130	54084	19.268	ug/l	98
45) 1,2-Dichloropropane	9.221	63	58174	19.716	ug/l	96
46) Dibromomethane	9.307	93	32291	19.540	ug/l	99
47) Bromodichloromethane	9.502	83	76960	19.665	ug/l	98
48) Methyl methacrylate	9.295	41	42519	20.064	ug/l	99
49) 1,4-Dioxane	9.307	88	8389	413.624	ug/l	96
51) 4-Methyl-2-Pentanone	10.069	43	263410	102.535	ug/l	100
52) Toluene	10.246	92	127019	19.513	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	78867	19.546	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	87473	19.429	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	44867	19.962	ug/l	95
56) Ethyl methacrylate	10.514	69	58535	19.515	ug/l	98
57) 1,3-Dichloropropane	10.794	76	76762	19.852	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	116578	107.278	ug/l	99
59) 2-Hexanone	10.837	43	192393	105.359	ug/l	100
60) Dibromochloromethane	10.989	129	53477	19.636	ug/l	100
61) 1,2-Dibromoethane	11.087	107	42675	20.135	ug/l	100
64) Tetrachloroethene	10.721	164	45631	19.356	ug/l	96
65) Chlorobenzene	11.520	112	135400	19.249	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	53681	19.641	ug/l	99
67) Ethyl Benzene	11.593	91	243169	19.455	ug/l	98
68) m/p-Xylenes	11.703	106	184678	39.448	ug/l	99
69) o-Xylene	12.032	106	87521	19.653	ug/l	99
70) Styrene	12.044	104	150845	19.943	ug/l	99
71) Bromoform	12.209	173	35401	19.606	ug/l #	99
73) Isopropylbenzene	12.331	105	234614	19.149	ug/l	99
74) N-amyl acetate	12.148	43	81678	19.644	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	57720	19.887	ug/l	98
76) 1,2,3-Trichloropropane	12.635	75	73699	33.729	ug/l #	100
77) Bromobenzene	12.611	156	57949	19.606	ug/l	99
78) n-propylbenzene	12.672	91	293092	19.419	ug/l	99
79) 2-Chlorotoluene	12.757	91	164019	19.255	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	195366	19.555	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	19528	19.849	ug/l	99
82) 4-Chlorotoluene	12.855	91	172916	19.488	ug/l	99
83) tert-Butylbenzene	13.074	119	164512	18.909	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	193486	19.760	ug/l	100
85) sec-Butylbenzene	13.257	105	257824	19.641	ug/l	99
86) p-Isopropyltoluene	13.373	119	209625	19.776	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	113236	19.680	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	114216	19.741	ug/l	98
89) n-Butylbenzene	13.702	91	202061	19.443	ug/l	100
90) Hexachloroethane	13.964	117	44285	19.770	ug/l	97
91) 1,2-Dichlorobenzene	13.745	146	100717	19.657	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	9813	20.866	ug/l	96
93) 1,2,4-Trichlorobenzene	15.013	180	60942	20.043	ug/l	99
94) Hexachlorobutadiene	15.117	225	38812	20.548	ug/l	99
95) Naphthalene	15.239	128	120650	19.993	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	55488	20.283	ug/l	98

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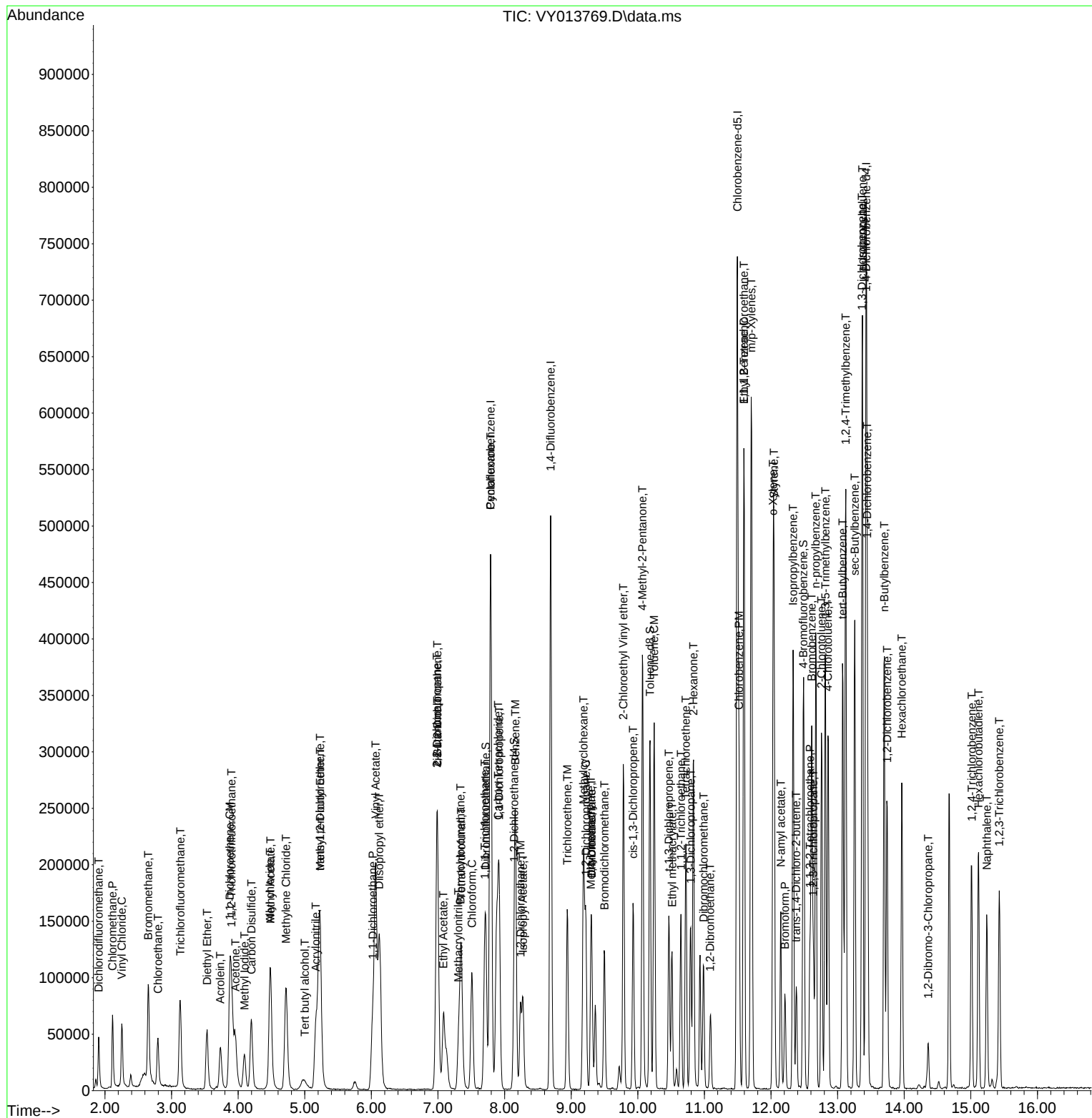
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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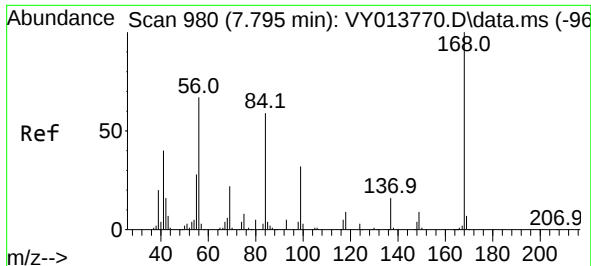
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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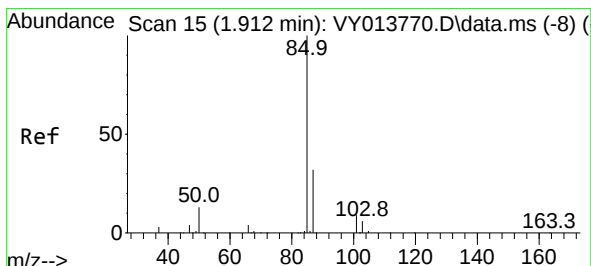
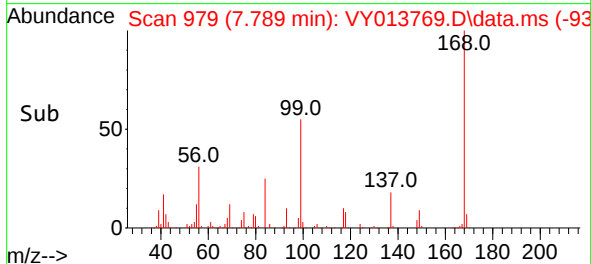
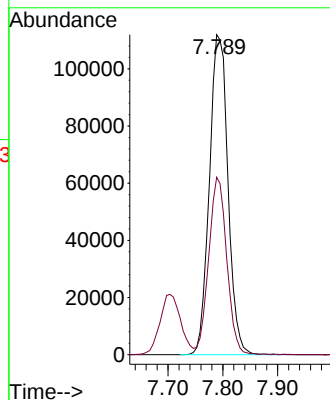
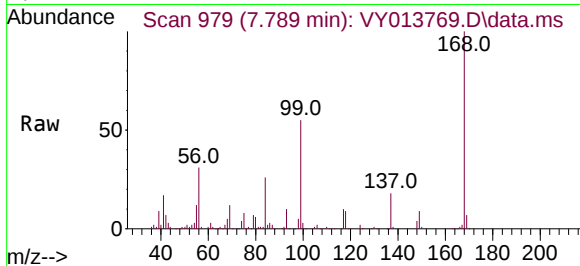




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
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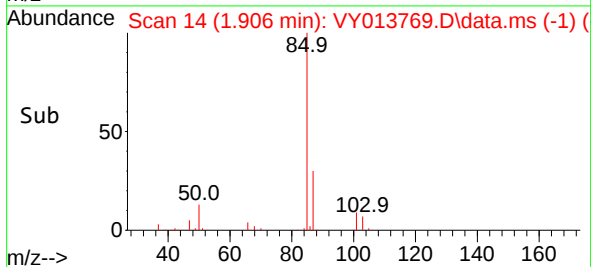
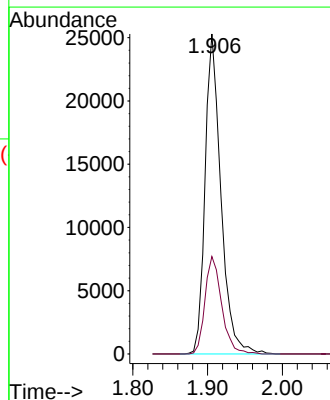
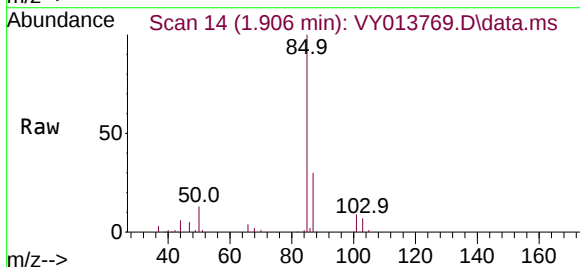
Instrument :
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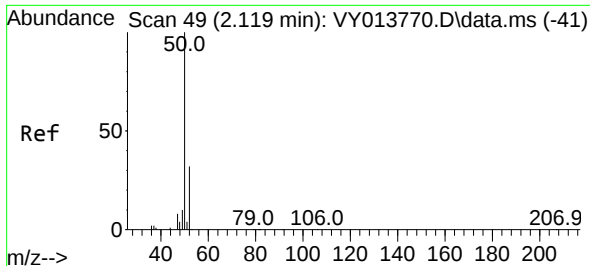
Tgt Ion:168 Resp: 262971
Ion Ratio Lower Upper
168 100
99 55.4 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 19.710 ug/l
RT: 1.906 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

Tgt Ion: 85 Resp: 37214
Ion Ratio Lower Upper
85 100
87 30.4 16.1 48.2

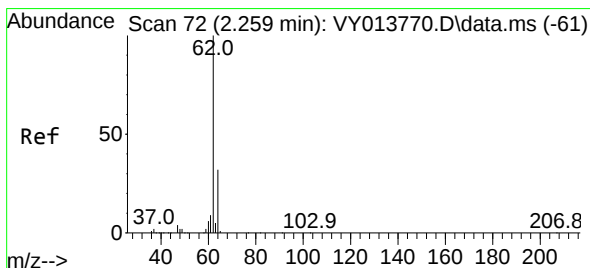
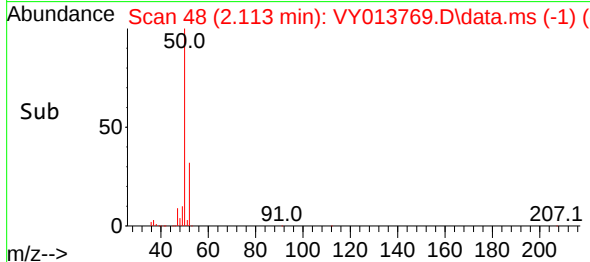
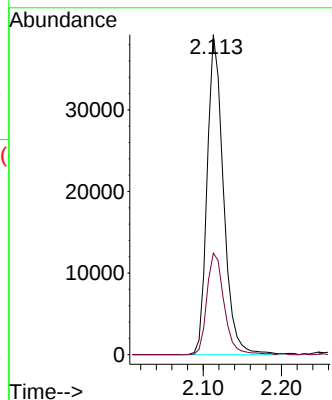
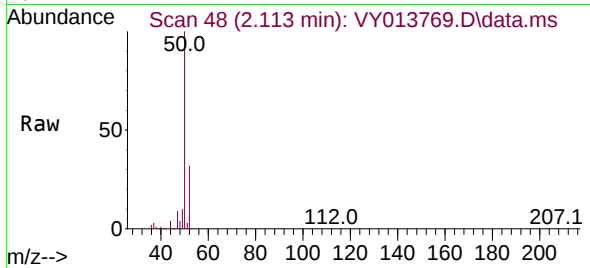




#3
Chloromethane
Concen: 19.758 ug/l
RT: 2.113 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

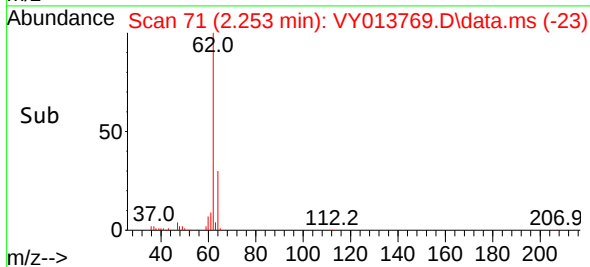
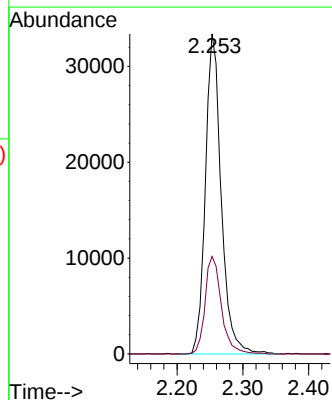
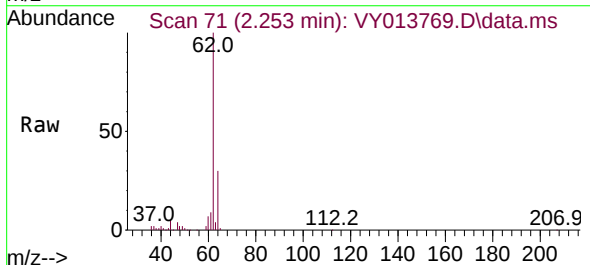
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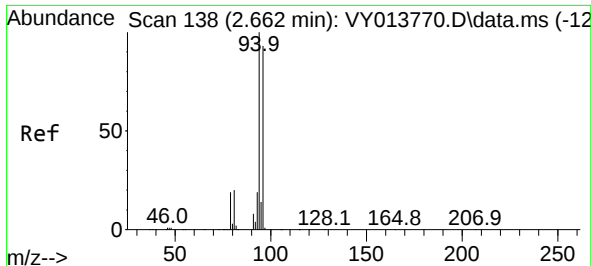
Tgt Ion: 50 Resp: 56556
Ion Ratio Lower Upper
50 100
52 31.7 26.0 39.0



#4
Vinyl Chloride
Concen: 19.524 ug/l
RT: 2.253 min Scan# 71
Delta R.T. -0.006 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

Tgt Ion: 62 Resp: 55804
Ion Ratio Lower Upper
62 100
64 30.5 25.8 38.6

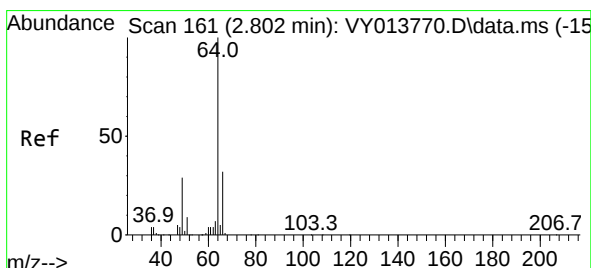
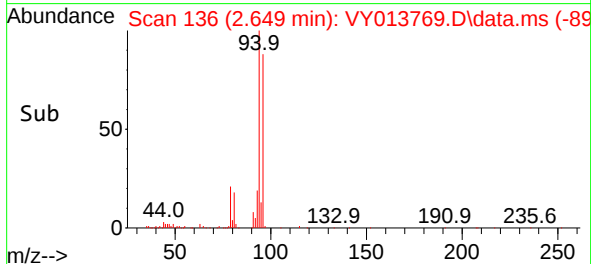
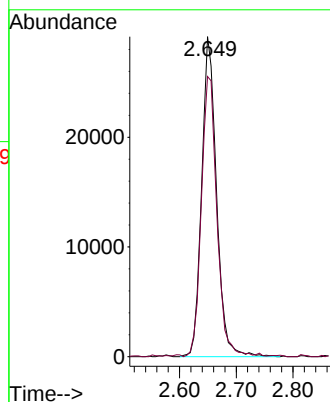
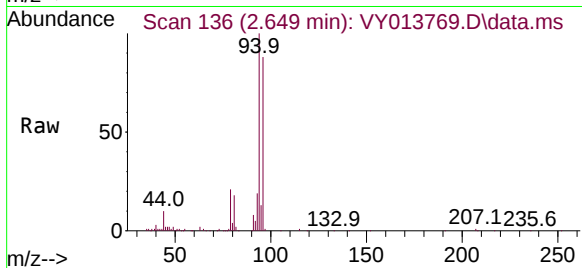




#5
Bromomethane
Concen: 20.970 ug/l
RT: 2.649 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY013769.D
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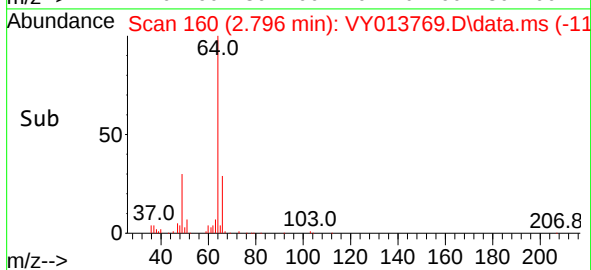
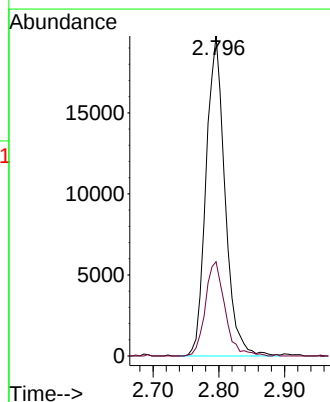
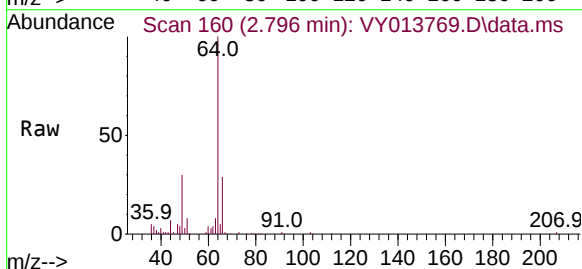
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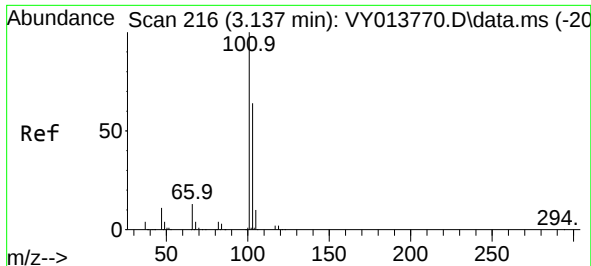
Tgt Ion: 94 Resp: 53151
Ion Ratio Lower Upper
94 100
96 87.1 74.2 111.4



#6
Chloroethane
Concen: 20.094 ug/l
RT: 2.796 min Scan# 160
Delta R.T. -0.006 min
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Tgt Ion: 64 Resp: 39477
Ion Ratio Lower Upper
64 100
66 29.5 25.8 38.6

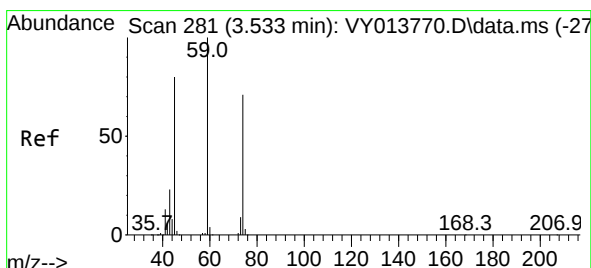
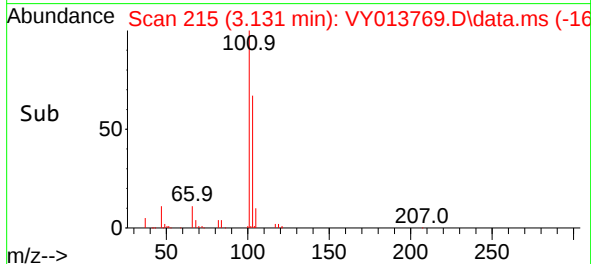
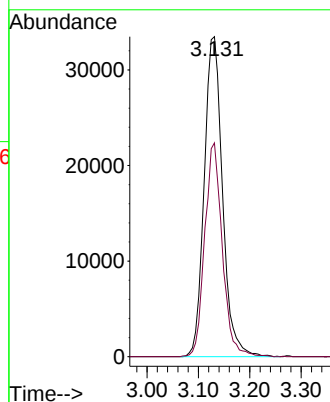
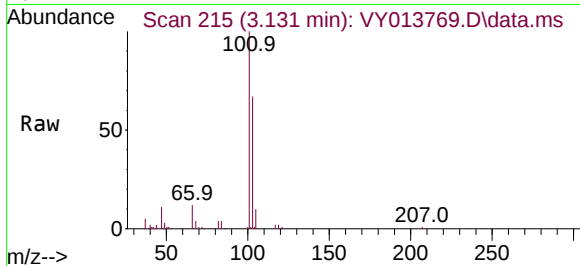




#7
Trichlorofluoromethane
Concen: 19.939 ug/l
RT: 3.131 min Scan# 216
Delta R.T. -0.006 min
Lab File: VY013769.D
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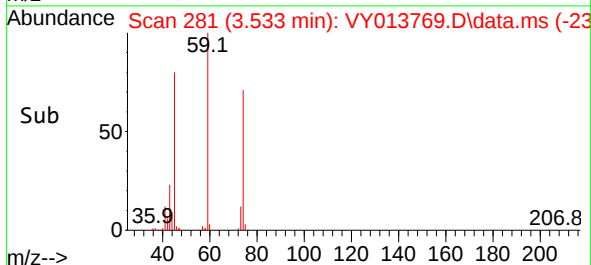
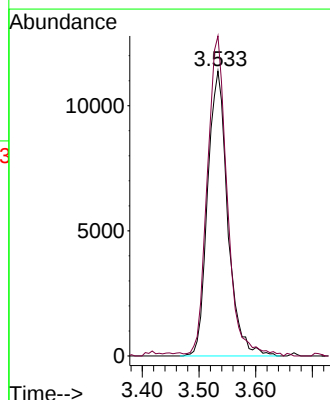
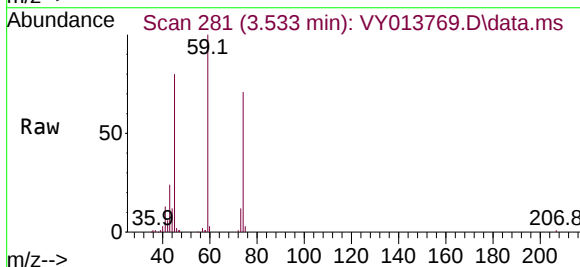
Instrument :
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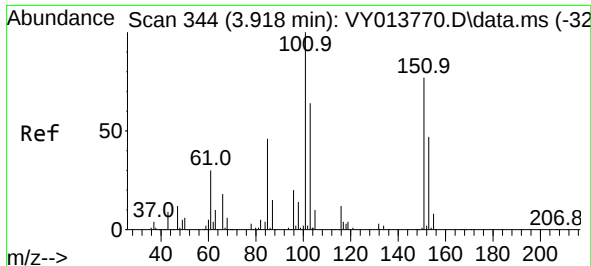
Tgt Ion:101 Resp: 82945
Ion Ratio Lower Upper
101 100
103 66.8 51.4 77.0



#8
Diethyl Ether
Concen: 20.116 ug/l
RT: 3.533 min Scan# 281
Delta R.T. -0.000 min
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Tgt Ion: 74 Resp: 28001
Ion Ratio Lower Upper
74 100
45 111.8 56.1 168.3

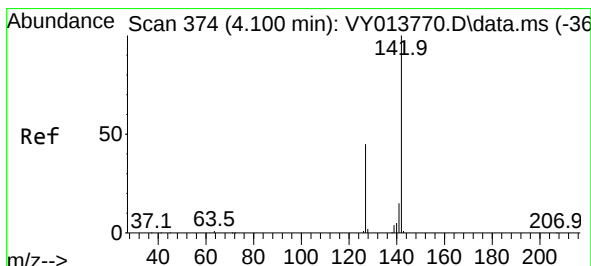
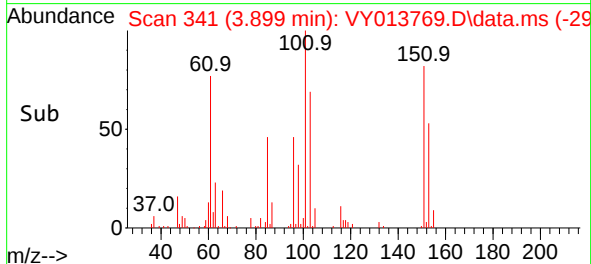
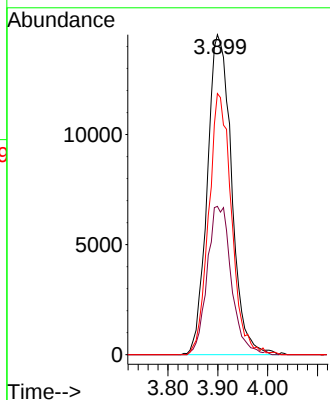
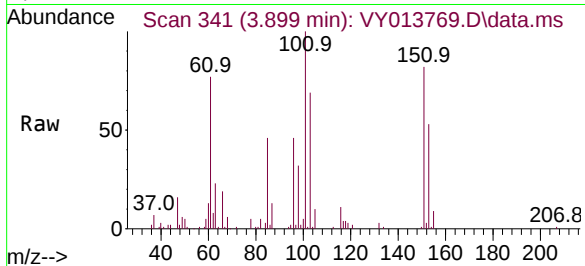




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.187 ug/l
RT: 3.899 min Scan# 34
Delta R.T. -0.018 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

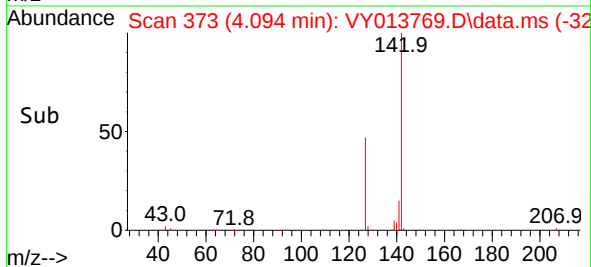
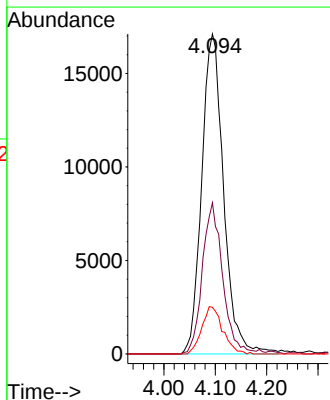
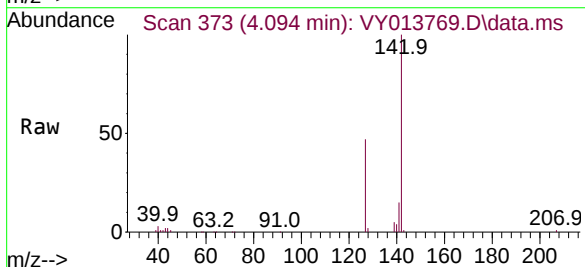
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

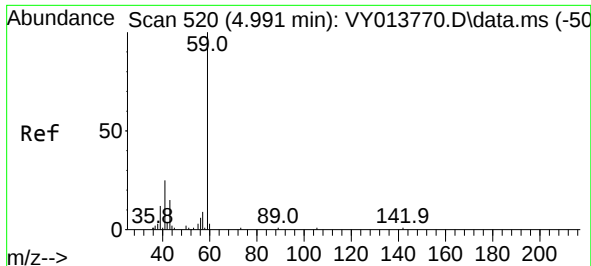
Tgt Ion:101 Resp: 49148
Ion Ratio Lower Upper
101 100
85 46.2 37.8 56.8
151 76.4 64.2 96.2



#10
Methyl Iodide
Concen: 18.917 ug/l
RT: 4.094 min Scan# 373
Delta R.T. -0.006 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

Tgt Ion:142 Resp: 50599
Ion Ratio Lower Upper
142 100
127 43.7 35.4 53.2
141 14.1 11.5 17.3

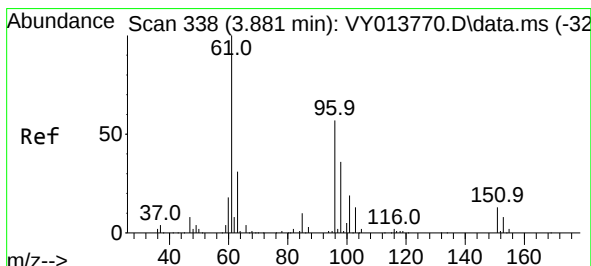
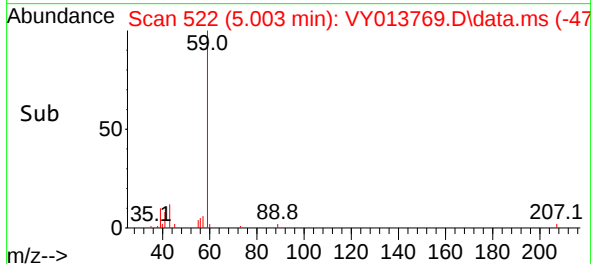
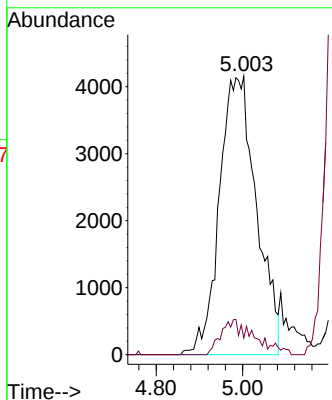
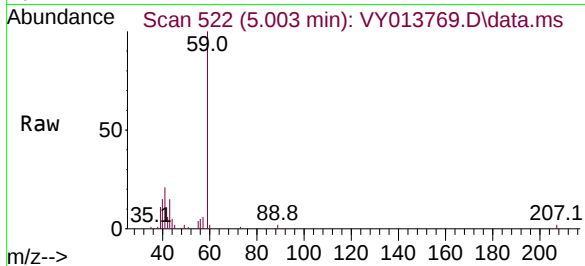




#11
Tert butyl alcohol
Concen: 99.852 ug/l
RT: 5.003 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

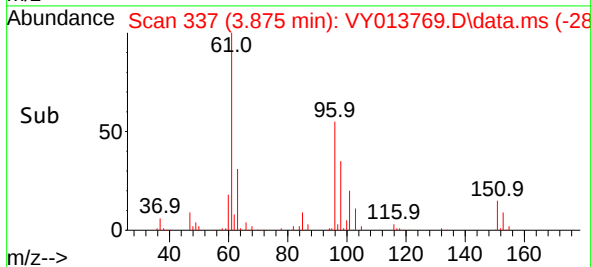
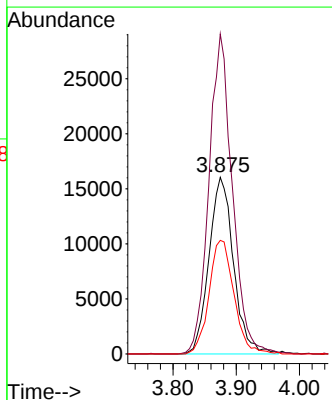
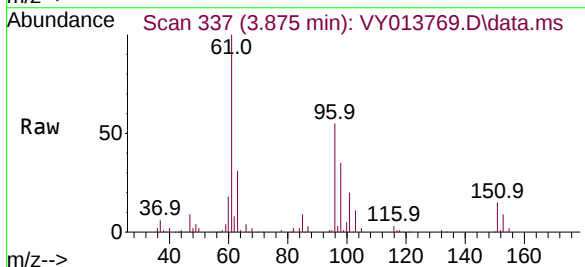
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

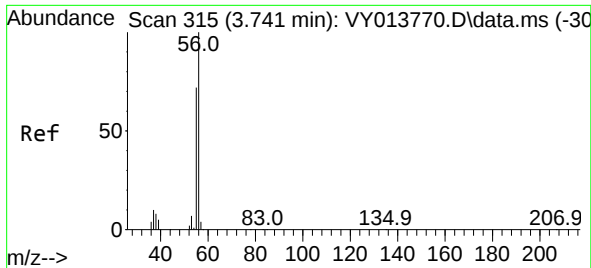
Tgt Ion: 59 Resp: 24711
Ion Ratio Lower Upper
59 100
57 6.8 8.0 12.0#



#12
1,1-Dichloroethene
Concen: 19.604 ug/l
RT: 3.875 min Scan# 337
Delta R.T. -0.006 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

Tgt Ion: 96 Resp: 43263
Ion Ratio Lower Upper
96 100
61 181.2 139.8 209.6
98 64.3 49.7 74.5





#13

Acrolein

Concen: 103.730 ug/l

RT: 3.728 min Scan# 31

Delta R.T. -0.012 min

Lab File: VY013769.D

Acq: 17 May 2023 10:59

Instrument :

MSVOA_Y

ClientSampleId :

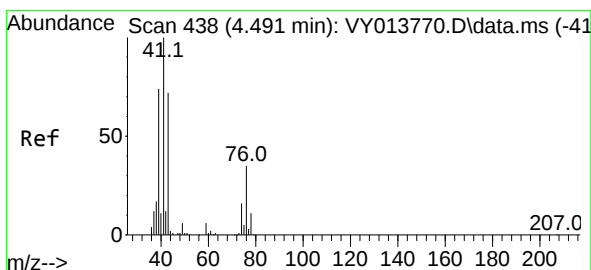
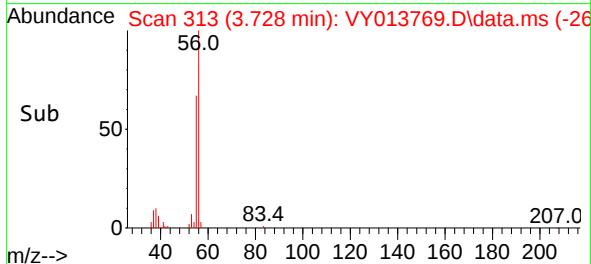
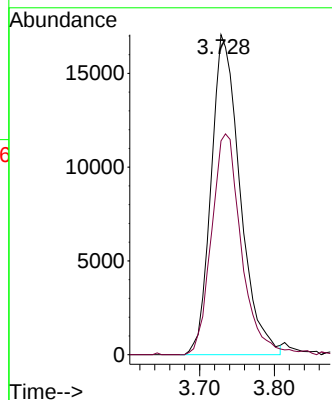
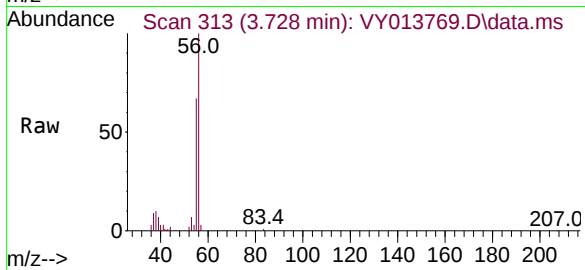
VSTDICC020

Tgt Ion: 56 Resp: 45859

Ion Ratio Lower Upper

56 100

55 71.5 57.5 86.3



#14

Allyl chloride

Concen: 19.333 ug/l

RT: 4.478 min Scan# 436

Delta R.T. -0.012 min

Lab File: VY013769.D

Acq: 17 May 2023 10:59

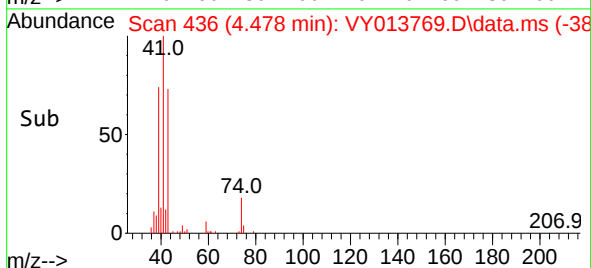
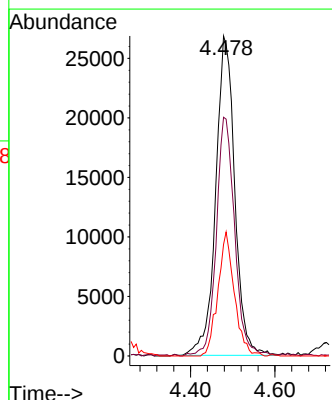
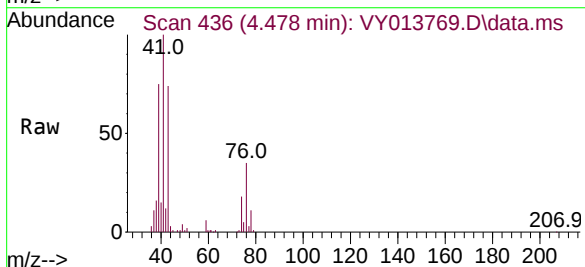
Tgt Ion: 41 Resp: 84045

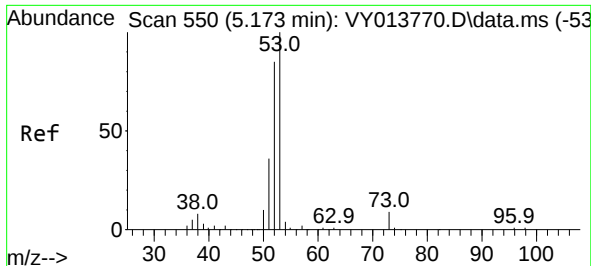
Ion Ratio Lower Upper

41 100

39 72.0 55.8 83.6

76 33.5 26.2 39.2

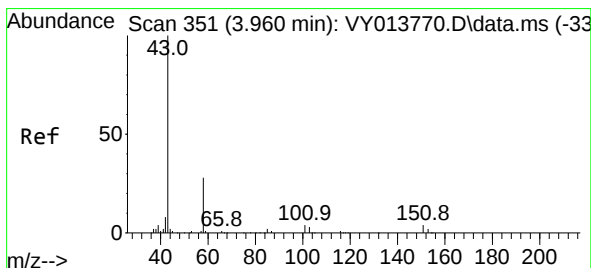
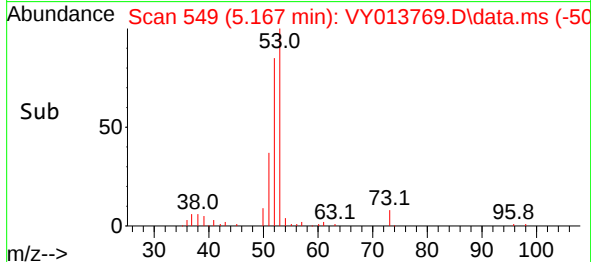
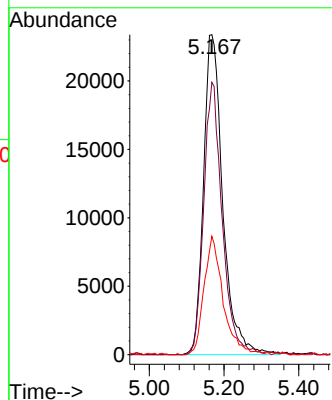
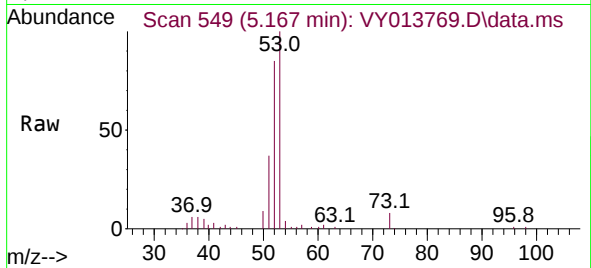




#15
Acrylonitrile
Concen: 102.637 ug/l
RT: 5.167 min Scan# 549
Delta R.T. -0.006 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

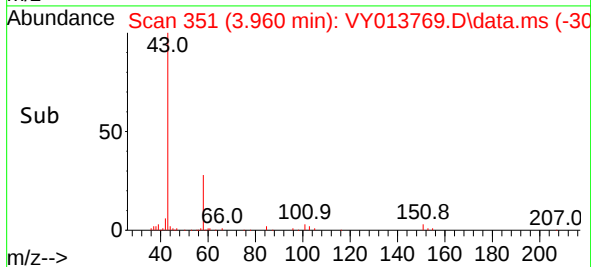
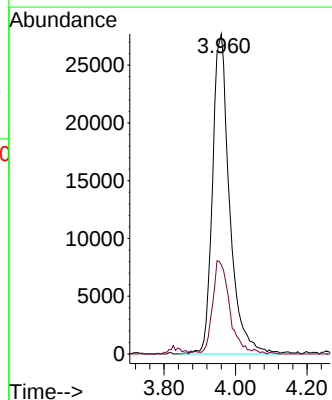
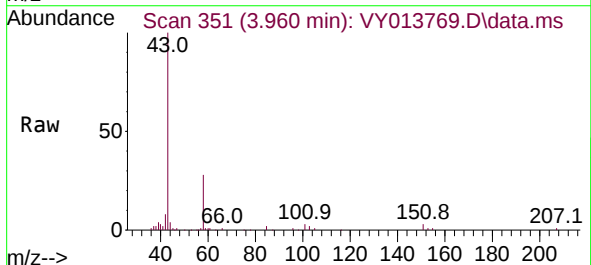
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

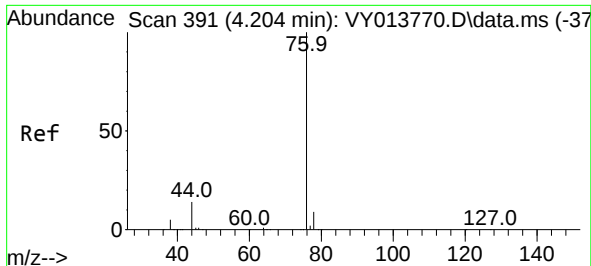
Tgt Ion: 53 Resp: 83784
Ion Ratio Lower Upper
53 100
52 81.6 66.5 99.7
51 36.4 30.1 45.1



#16
Acetone
Concen: 99.890 ug/l
RT: 3.960 min Scan# 351
Delta R.T. -0.000 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

Tgt Ion: 43 Resp: 92065
Ion Ratio Lower Upper
43 100
58 27.8 23.7 35.5





#17

Carbon Disulfide

Concen: 19.256 ug/l

RT: 4.198 min Scan# 391

Delta R.T. -0.006 min

Lab File: VY013769.D

Acq: 17 May 2023 10:59

Instrument :

MSVOA_Y

ClientSampleId :

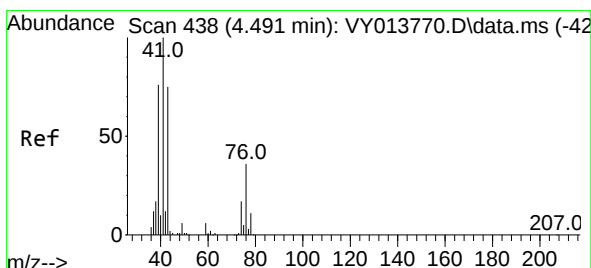
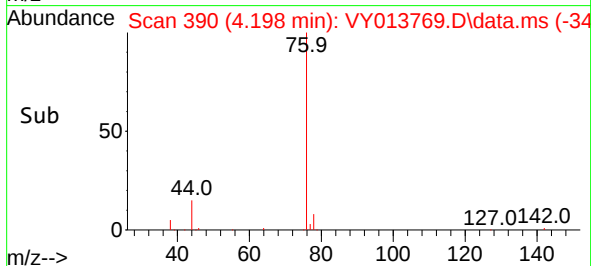
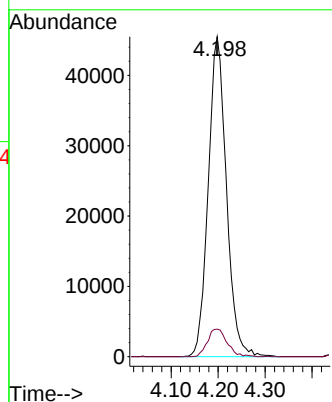
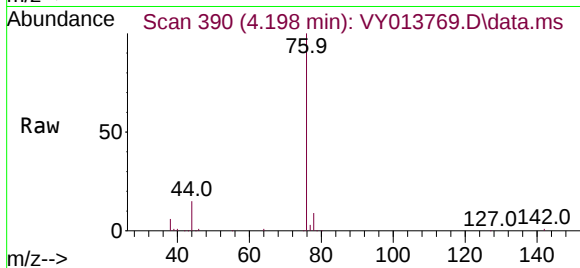
VSTDIC020

Tgt Ion: 76 Resp: 122109

Ion Ratio Lower Upper

76 100

78 8.6 7.5 11.3



#18

Methyl Acetate

Concen: 20.571 ug/l

RT: 4.484 min Scan# 437

Delta R.T. -0.006 min

Lab File: VY013769.D

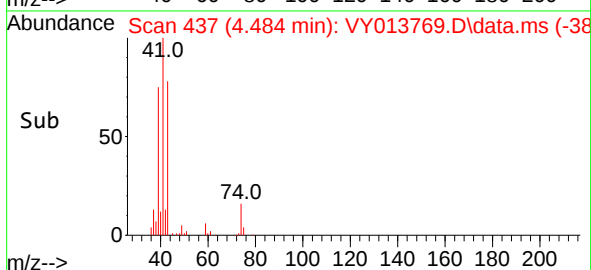
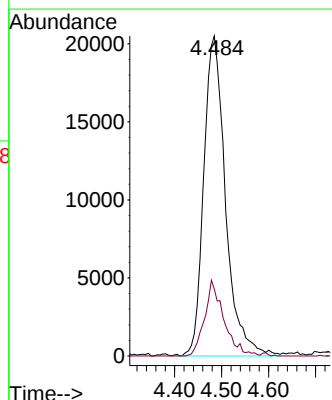
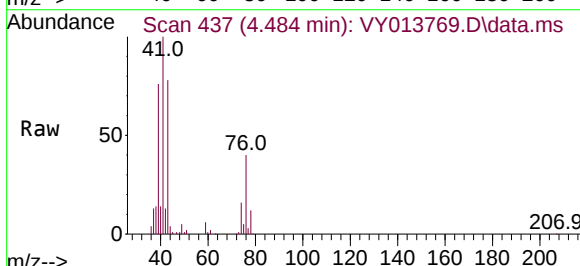
Acq: 17 May 2023 10:59

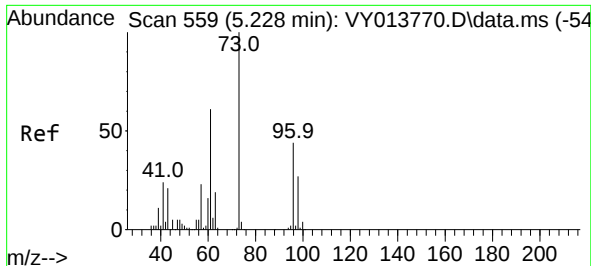
Tgt Ion: 43 Resp: 66100

Ion Ratio Lower Upper

43 100

74 21.0 16.6 25.0





#19

Methyl tert-butyl Ether

Concen: 19.628 ug/l

RT: 5.228 min Scan# 51

Delta R.T. -0.000 min

Lab File: VY013769.D

Acq: 17 May 2023 10:59

Instrument :

MSVOA_Y

ClientSampleId :

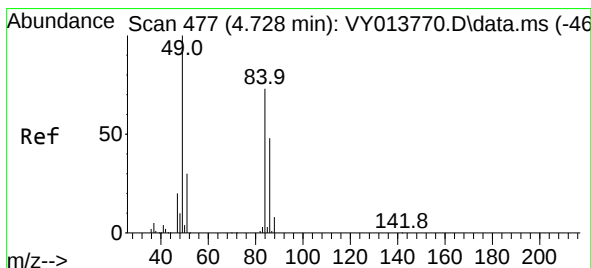
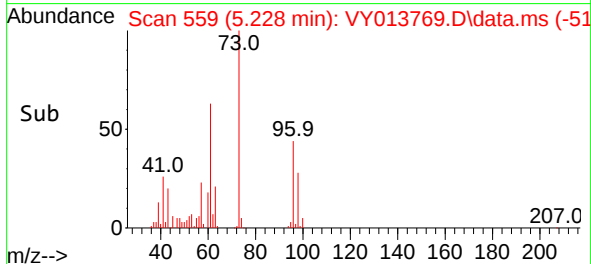
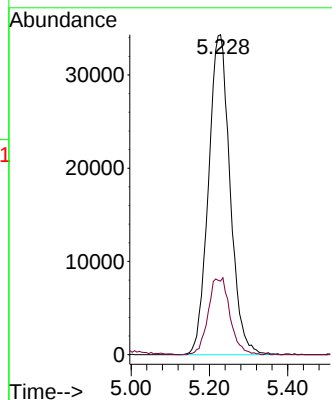
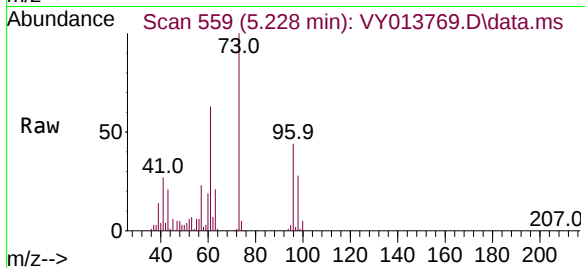
VSTDICC020

Tgt Ion: 73 Resp: 131417

Ion Ratio Lower Upper

73 100

57 23.0 18.6 27.8



#20

Methylene Chloride

Concen: 19.598 ug/l

RT: 4.716 min Scan# 475

Delta R.T. -0.012 min

Lab File: VY013769.D

Acq: 17 May 2023 10:59

Tgt Ion: 84 Resp: 64823

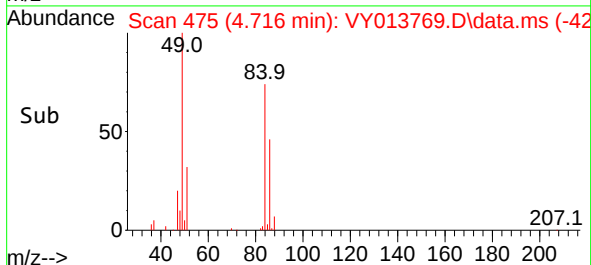
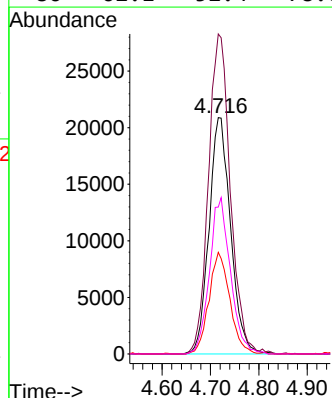
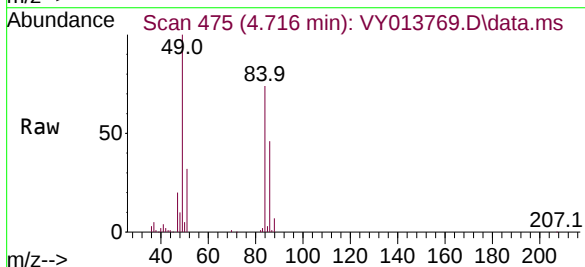
Ion Ratio Lower Upper

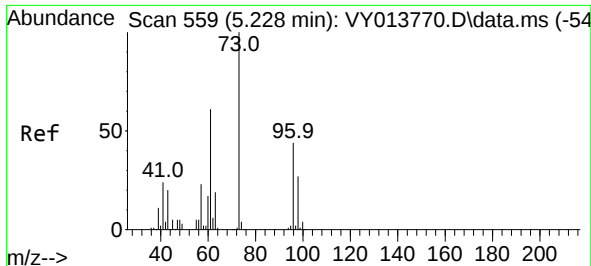
84 100

49 135.4 109.4 164.0

51 43.0 32.8 49.2

86 62.1 52.4 78.6

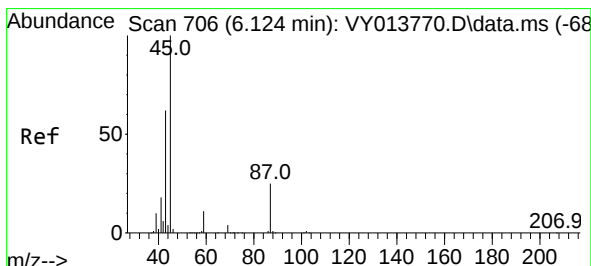
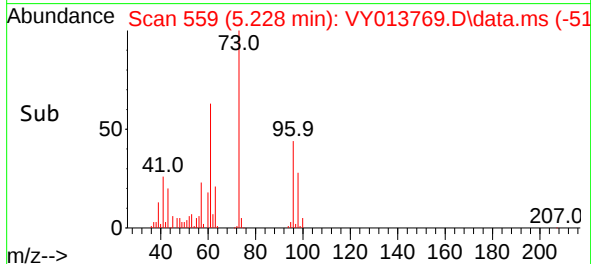
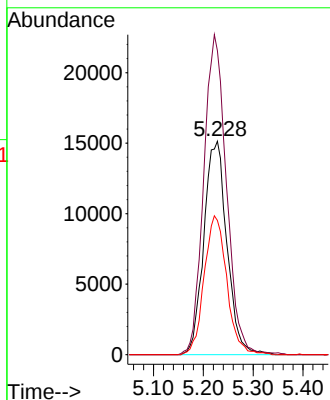
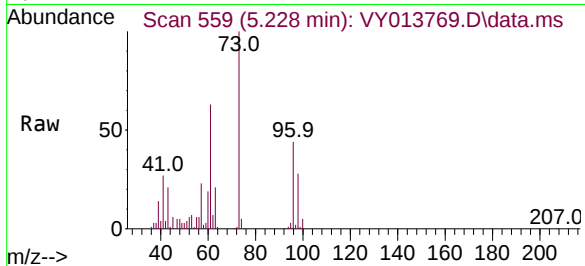




#21
trans-1,2-Dichloroethene
Concen: 19.607 ug/l
RT: 5.228 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

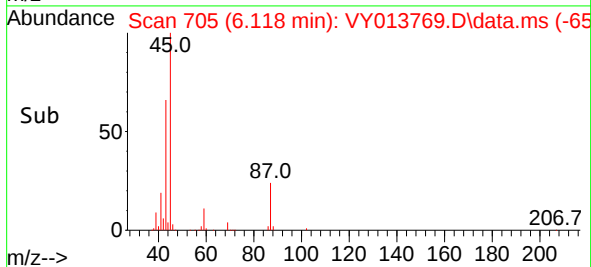
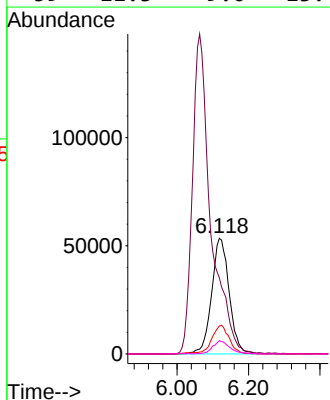
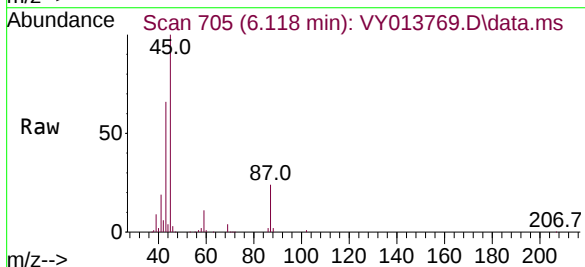
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

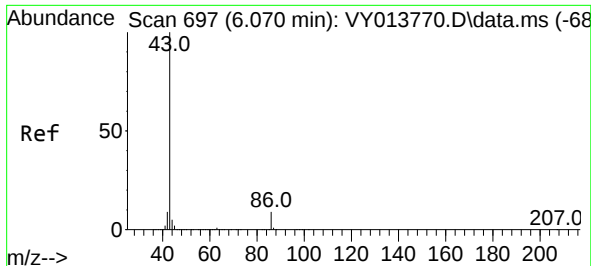
Tgt Ion: 96 Resp: 48721
Ion Ratio Lower Upper
96 100
61 142.4 110.8 166.2
98 62.9 48.6 72.8



#22
Diisopropyl ether
Concen: 19.753 ug/l
RT: 6.118 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

Tgt Ion: 45 Resp: 182657
Ion Ratio Lower Upper
45 100
43 65.7 49.7 74.5
87 24.2 19.9 29.9
59 11.3 9.0 13.4

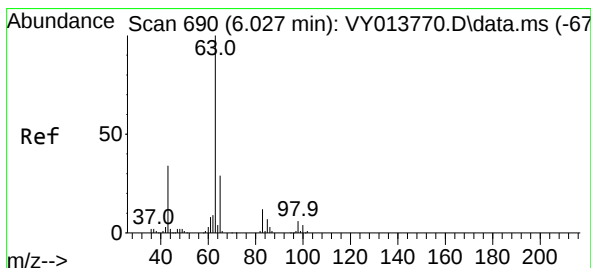
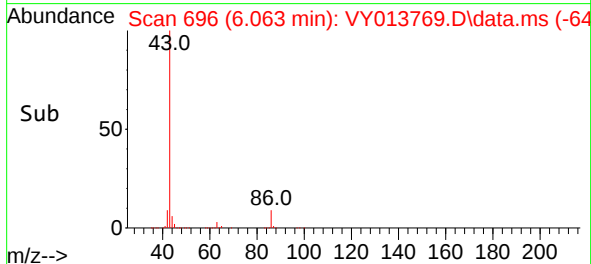
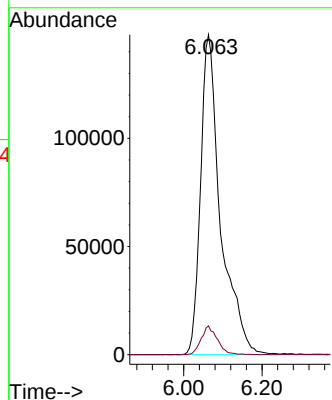
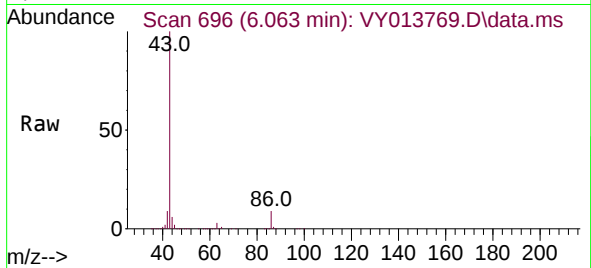




#23
 Vinyl Acetate
 Concen: 98.153 ug/l
 RT: 6.063 min Scan# 61
 Delta R.T. -0.006 min
 Lab File: VY013769.D
 Acq: 17 May 2023 10:59

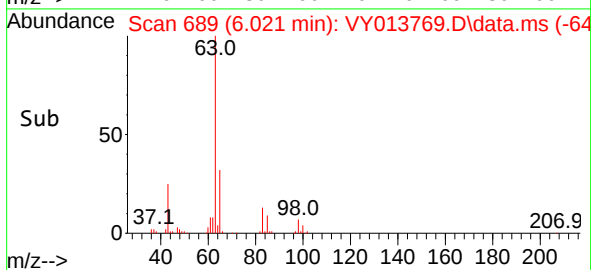
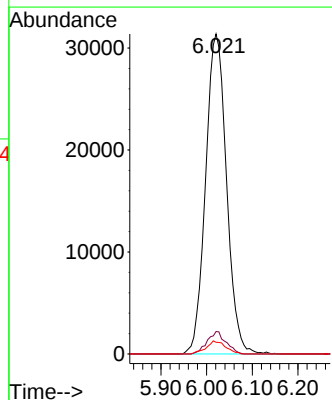
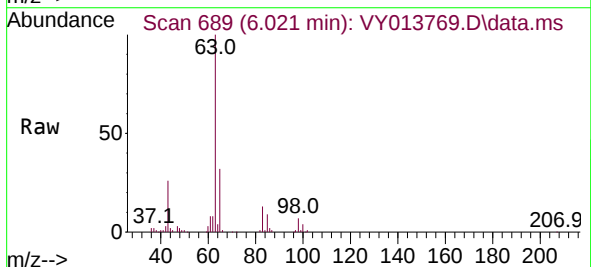
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

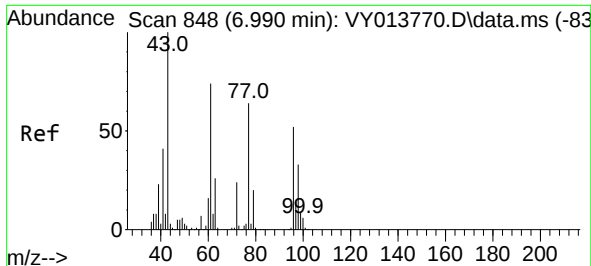
Tgt Ion: 43 Resp: 525207
 Ion Ratio Lower Upper
 43 100
 86 9.0 7.0 10.4



#24
 1,1-Dichloroethane
 Concen: 19.737 ug/l
 RT: 6.021 min Scan# 689
 Delta R.T. -0.006 min
 Lab File: VY013769.D
 Acq: 17 May 2023 10:59

Tgt Ion: 63 Resp: 99769
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.0 9.0
 100 3.6 2.0 6.0

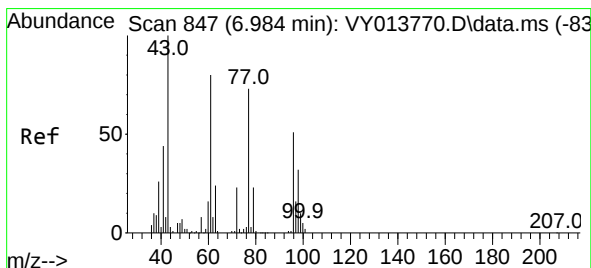
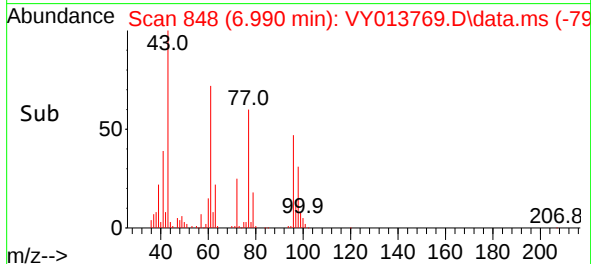
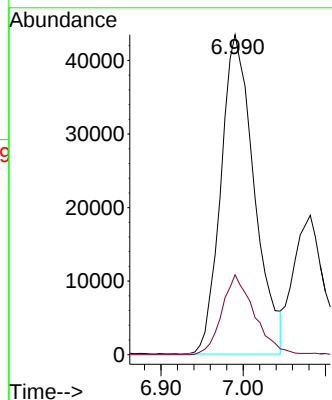
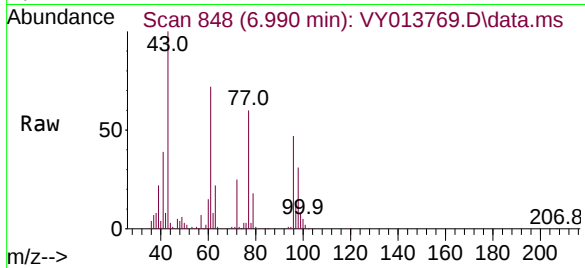




#25
2-Butanone
Concen: 102.456 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

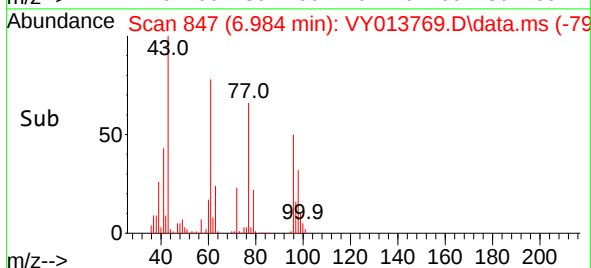
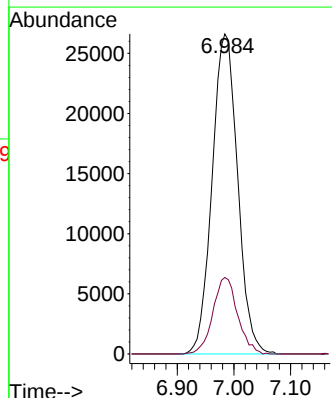
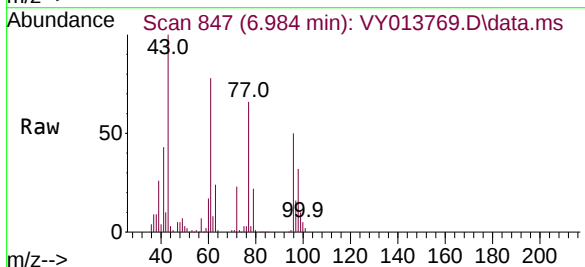
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

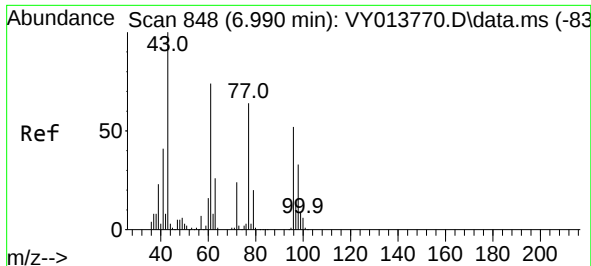
Tgt Ion: 43 Resp: 122754
Ion Ratio Lower Upper
43 100
72 25.0 19.0 28.6



#26
2,2-Dichloropropane
Concen: 19.253 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

Tgt Ion: 77 Resp: 83133
Ion Ratio Lower Upper
77 100
97 23.2 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 19.142 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.000 min

Lab File: VY013769.D

Acq: 17 May 2023 10:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

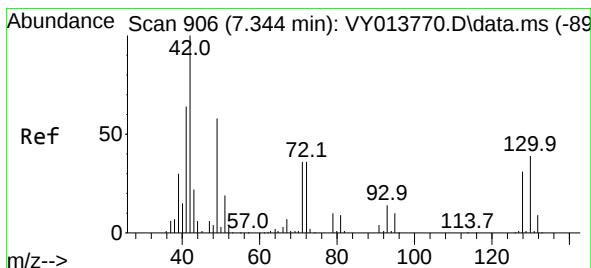
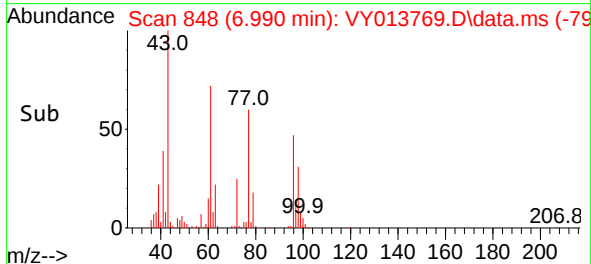
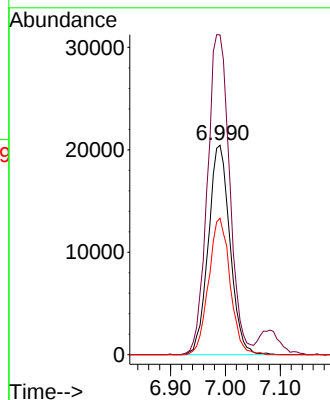
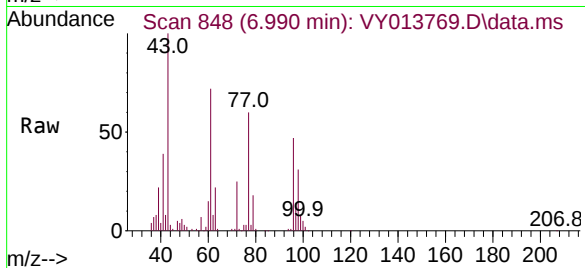
Tgt Ion: 96 Resp: 56048

Ion Ratio Lower Upper

96 100

61 157.5 0.0 300.6

98 64.5 0.0 127.8



#28

Bromochloromethane

Concen: 20.366 ug/l

RT: 7.338 min Scan# 905

Delta R.T. -0.006 min

Lab File: VY013769.D

Acq: 17 May 2023 10:59

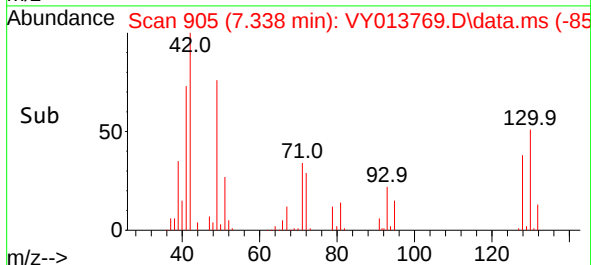
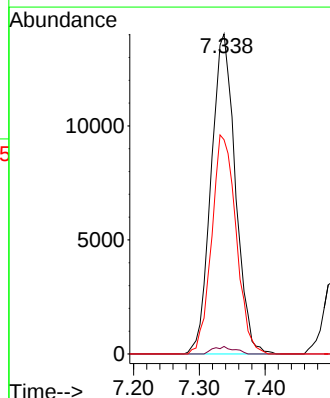
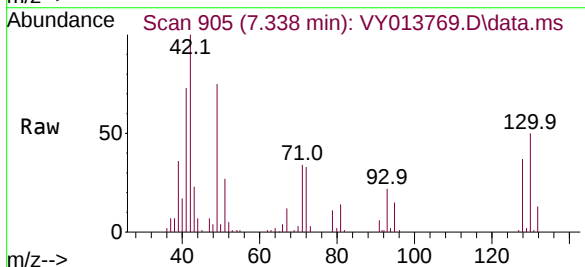
Tgt Ion: 49 Resp: 36021

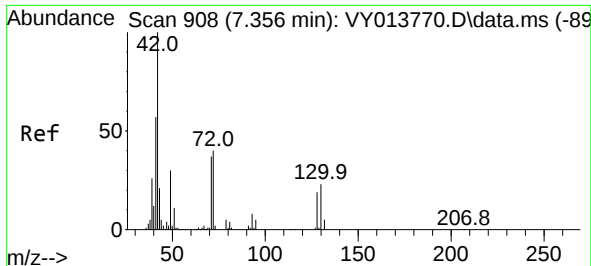
Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.2

130 68.9 54.4 81.6





#29

Tetrahydrofuran

Concen: 101.990 ug/l

RT: 7.350 min Scan# 908

Delta R.T. -0.006 min

Lab File: VY013769.D

Acq: 17 May 2023 10:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

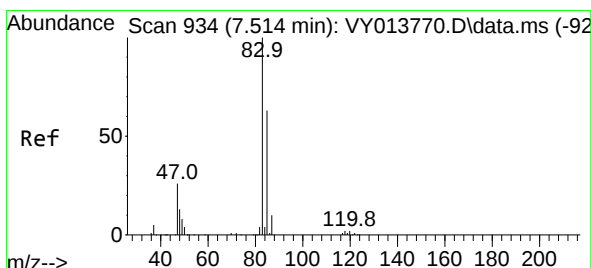
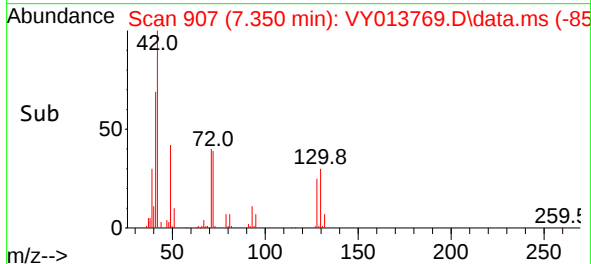
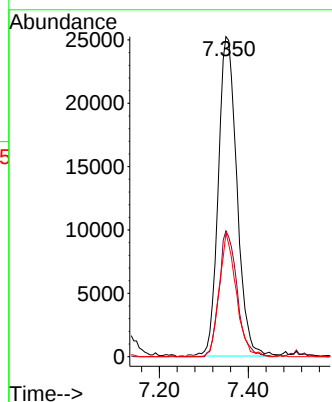
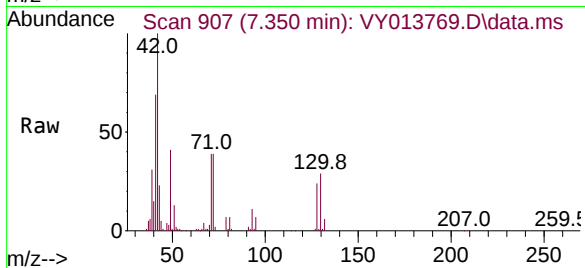
Tgt Ion: 42 Resp: 73115

Ion Ratio Lower Upper

42 100

72 37.9 30.7 46.1

71 35.4 29.0 43.6



#30

Chloroform

Concen: 19.420 ug/l

RT: 7.508 min Scan# 933

Delta R.T. -0.006 min

Lab File: VY013769.D

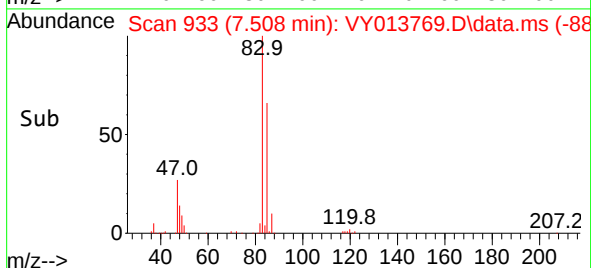
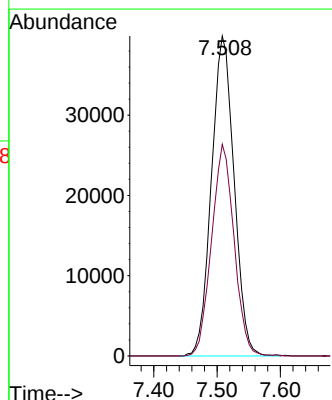
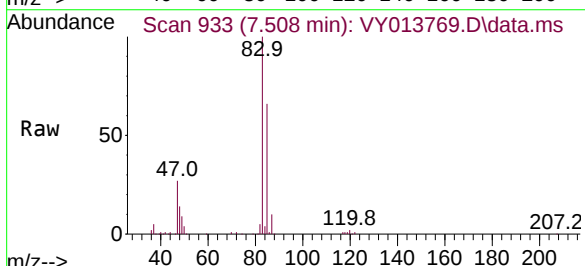
Acq: 17 May 2023 10:59

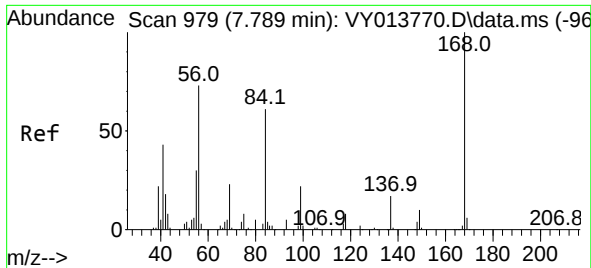
Tgt Ion: 83 Resp: 98923

Ion Ratio Lower Upper

83 100

85 66.2 50.5 75.7

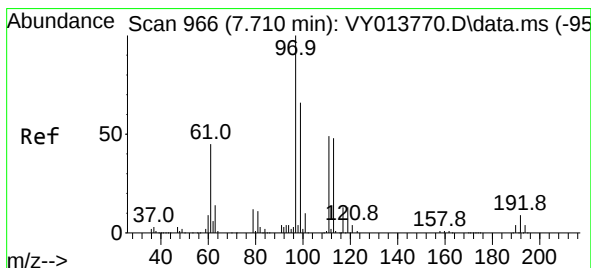
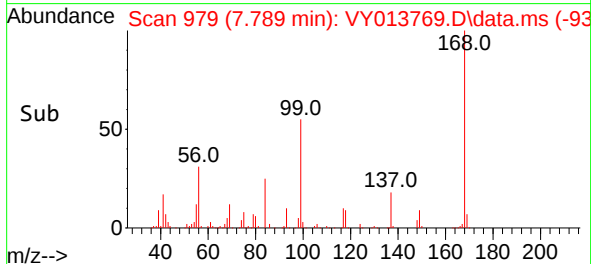
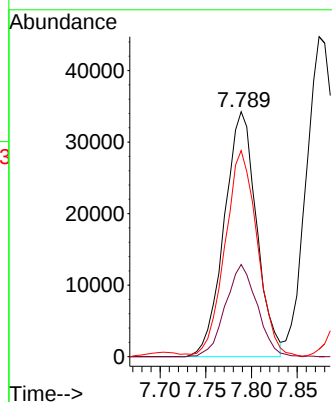
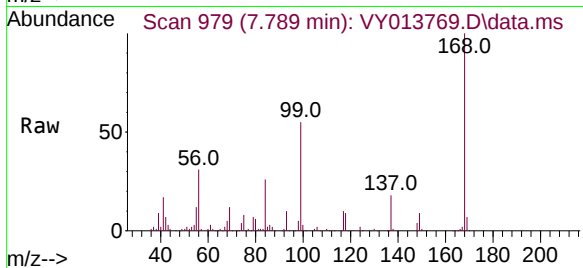




#31
Cyclohexane
Concen: 19.226 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

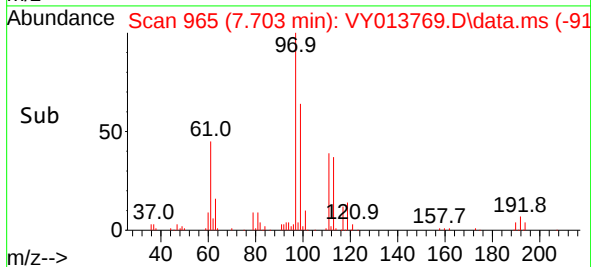
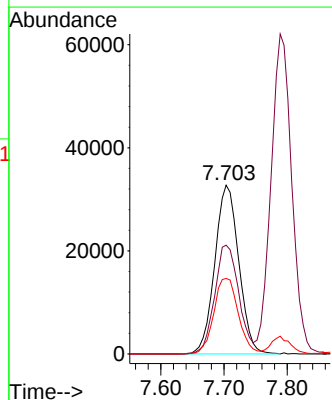
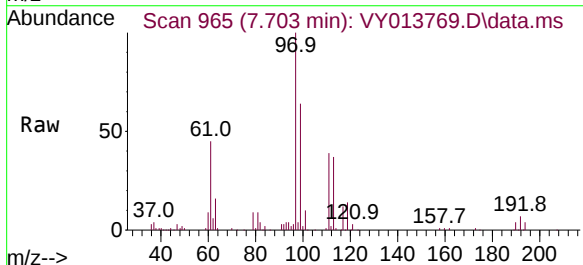
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

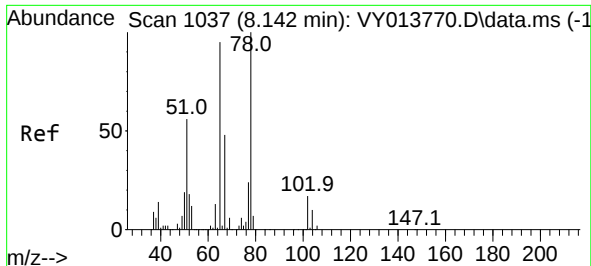
Tgt Ion: 56 Resp: 84209
Ion Ratio Lower Upper
56 100
69 37.6 25.8 38.6
84 83.1 65.8 98.6



#32
1,1,1-Trichloroethane
Concen: 19.795 ug/l
RT: 7.703 min Scan# 965
Delta R.T. -0.006 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

Tgt Ion: 97 Resp: 86070
Ion Ratio Lower Upper
97 100
99 64.8 51.7 77.5
61 45.8 36.6 54.8





#33

1,2-Dichloroethane-d4

Concen: 20.252 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY013769.D

Acq: 17 May 2023 10:59

Instrument :

MSVOA_Y

ClientSampleId :

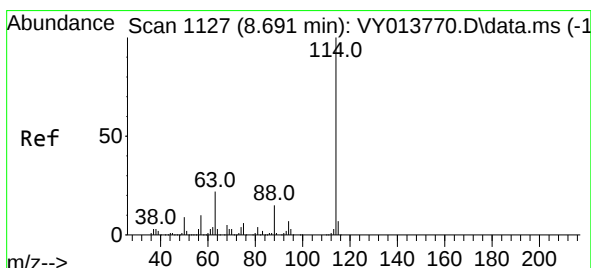
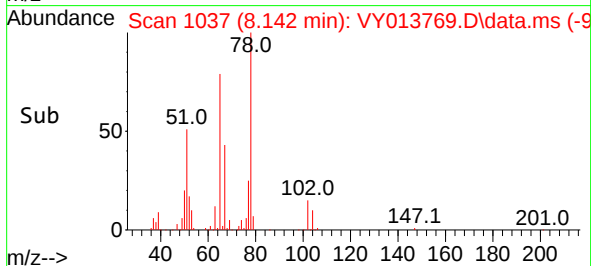
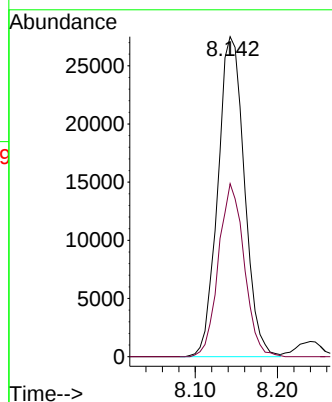
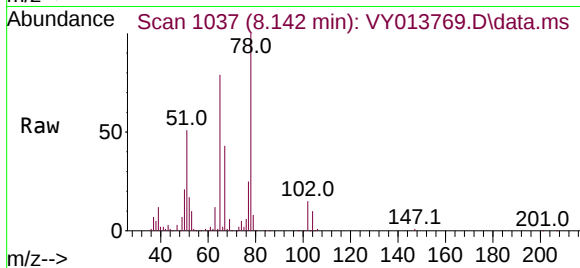
VSTDICC020

Tgt Ion: 65 Resp: 61866

Ion Ratio Lower Upper

65 100

67 52.1 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY013769.D

Acq: 17 May 2023 10:59

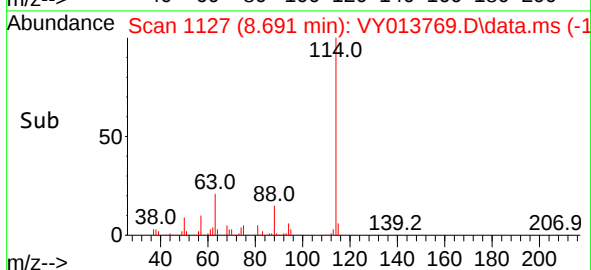
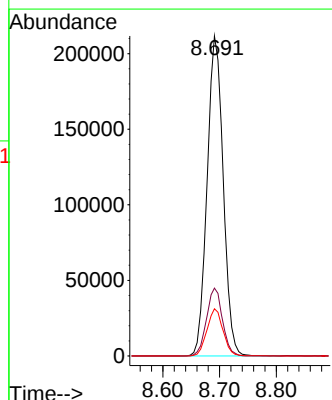
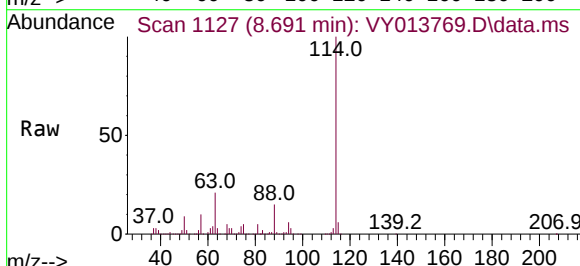
Tgt Ion: 114 Resp: 417035

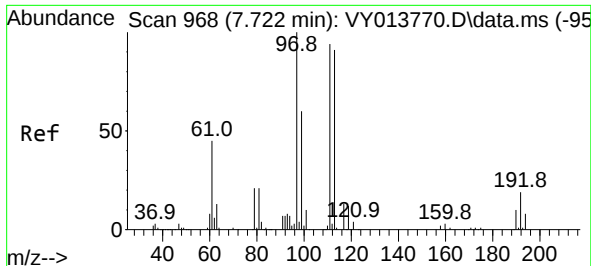
Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.8

88 14.7 0.0 30.8

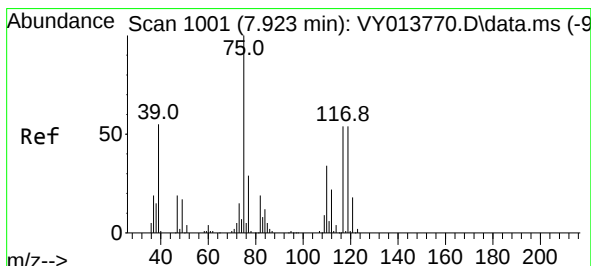
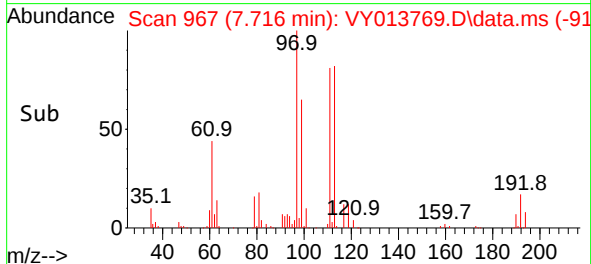
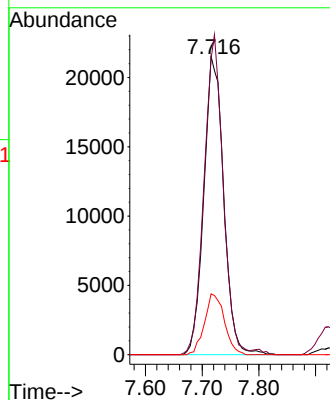
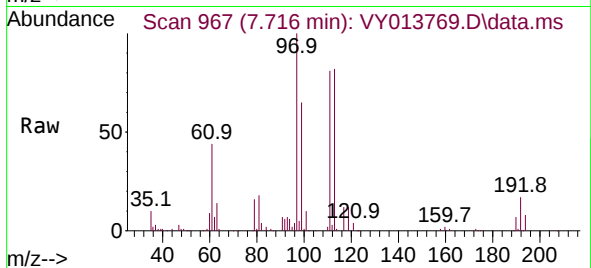




#35
Dibromofluoromethane
Concen: 19.608 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.006 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

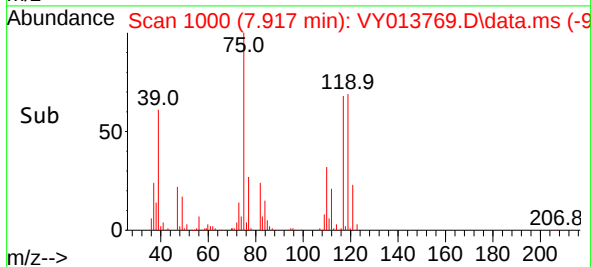
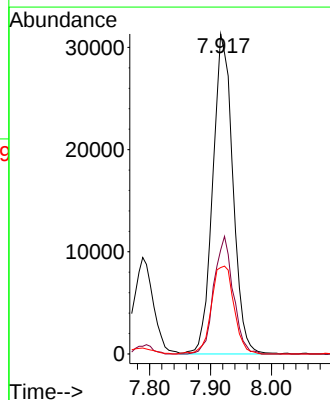
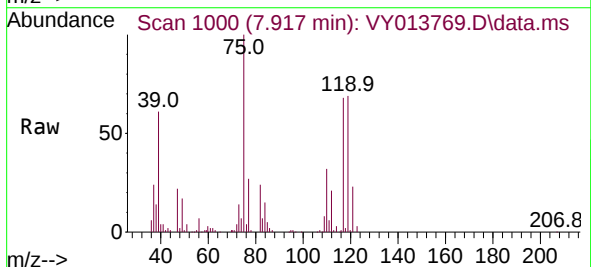
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

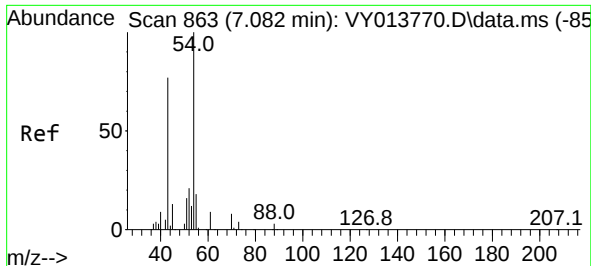
Tgt Ion:113 Resp: 52436
Ion Ratio Lower Upper
113 100
111 102.2 82.3 123.5
192 20.4 16.0 24.0



#36
1,1-Dichloropropene
Concen: 19.429 ug/l
RT: 7.917 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

Tgt Ion: 75 Resp: 71791
Ion Ratio Lower Upper
75 100
110 35.3 17.3 51.7
77 30.8 24.6 36.8





#37

Ethyl Acetate

Concen: 19.696 ug/l

RT: 7.081 min Scan# 863

Delta R.T. -0.000 min

Lab File: VY013769.D

Acq: 17 May 2023 10:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

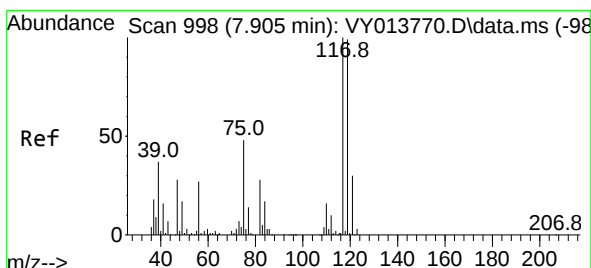
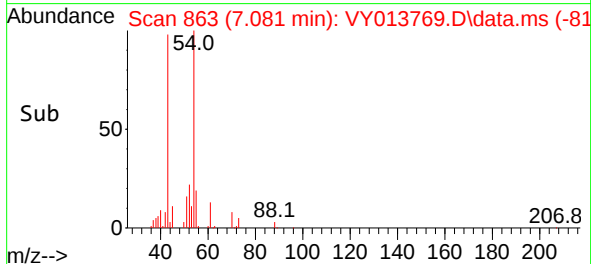
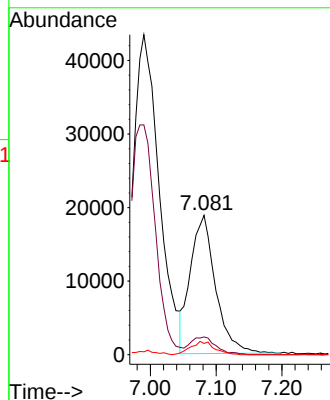
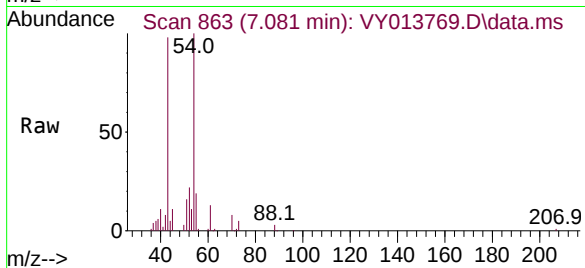
Tgt Ion: 43 Resp: 50061

Ion Ratio Lower Upper

43 100

61 12.8 10.7 16.1

70 8.9 7.0 10.6



#38

Carbon Tetrachloride

Concen: 19.437 ug/l

RT: 7.905 min Scan# 998

Delta R.T. -0.000 min

Lab File: VY013769.D

Acq: 17 May 2023 10:59

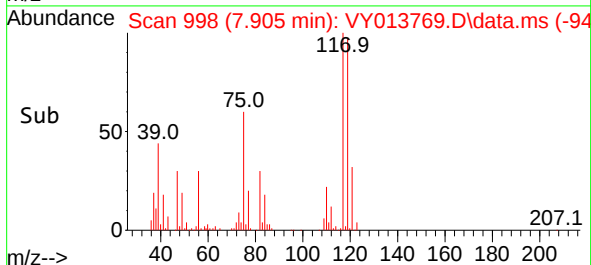
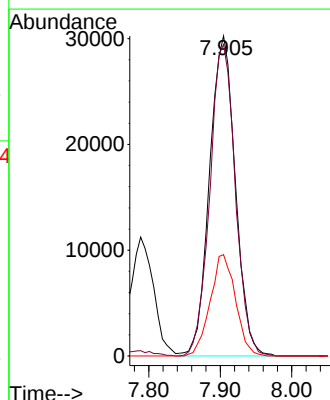
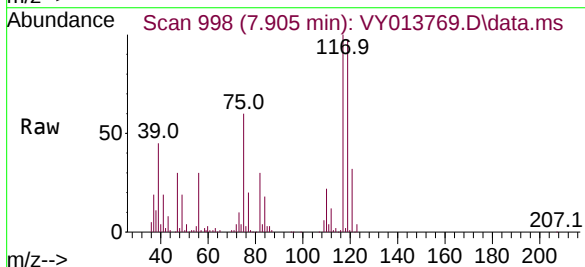
Tgt Ion: 117 Resp: 75766

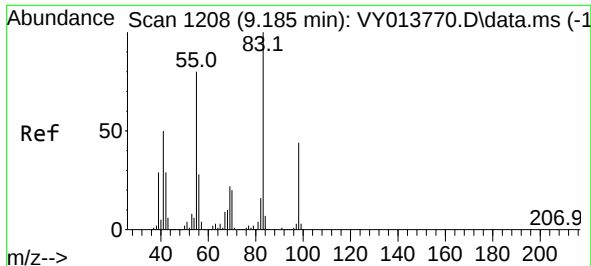
Ion Ratio Lower Upper

117 100

119 97.3 79.0 118.6

121 31.6 24.1 36.1

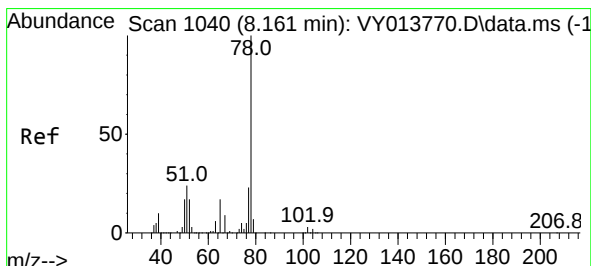
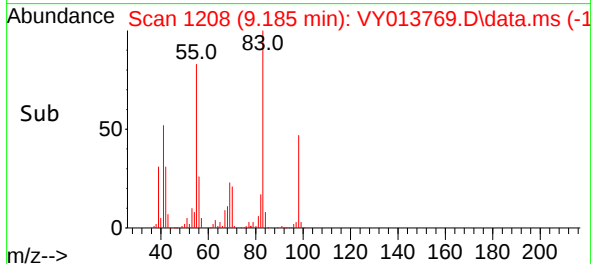
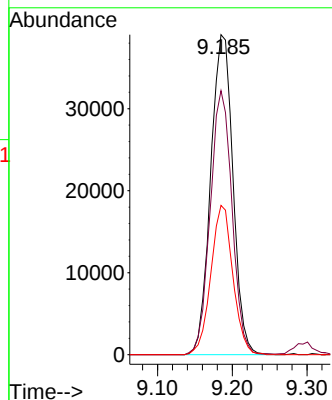
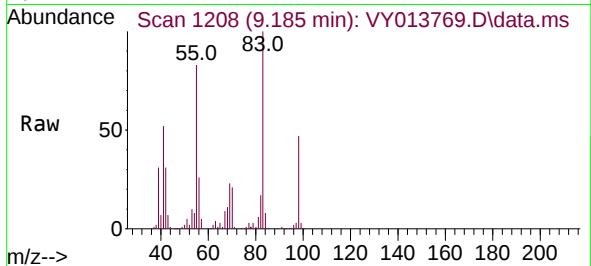




#39
Methylcyclohexane
Concen: 19.225 ug/l
RT: 9.185 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

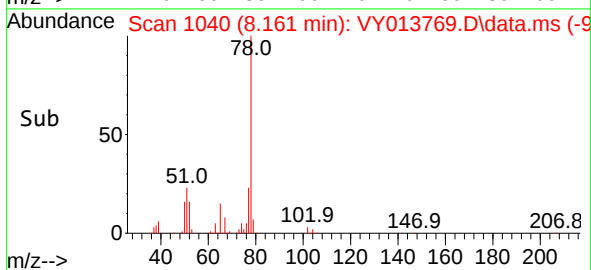
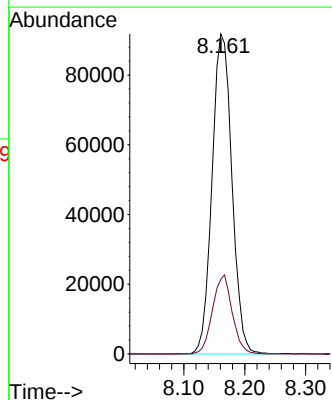
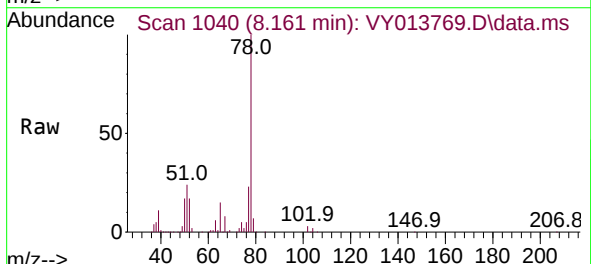
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

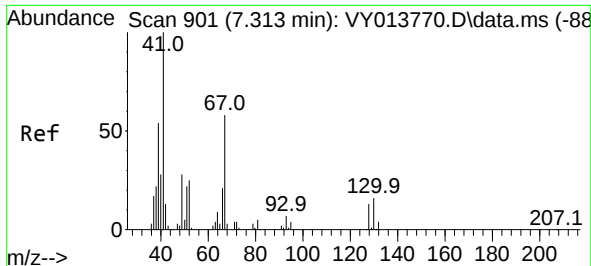
Tgt Ion: 83 Resp: 80742
Ion Ratio Lower Upper
83 100
55 82.5 63.7 95.5
98 46.6 35.0 52.6



#40
Benzene
Concen: 19.381 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

Tgt Ion: 78 Resp: 208110
Ion Ratio Lower Upper
78 100
77 23.3 18.6 27.8

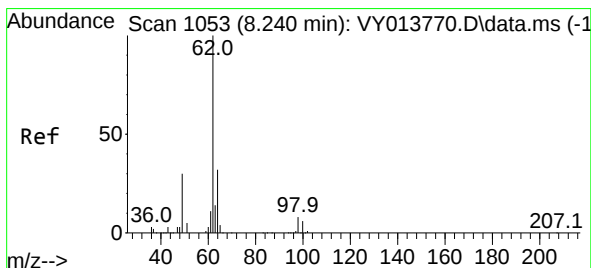
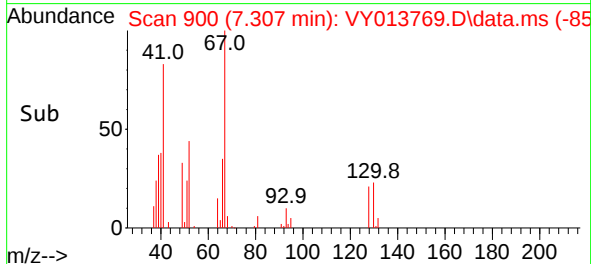
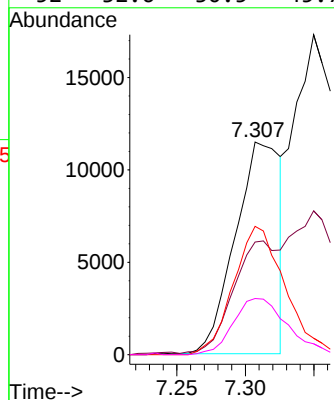
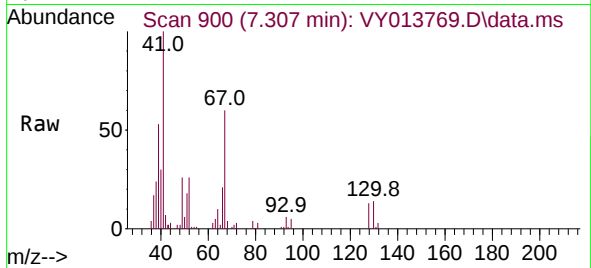




#41
Methacrylonitrile
Concen: 21.285 ug/l
RT: 7.307 min Scan# 901
Delta R.T. -0.006 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

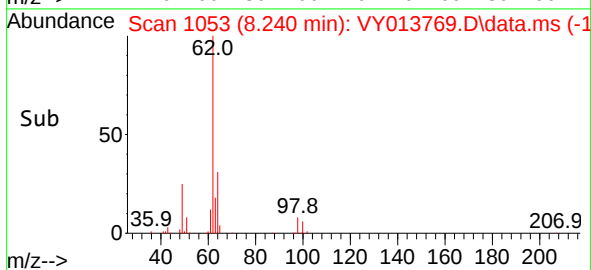
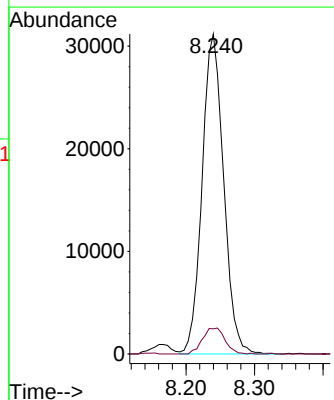
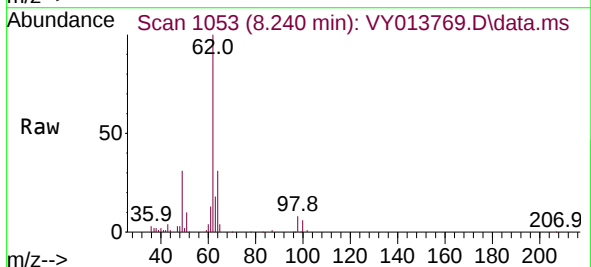
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

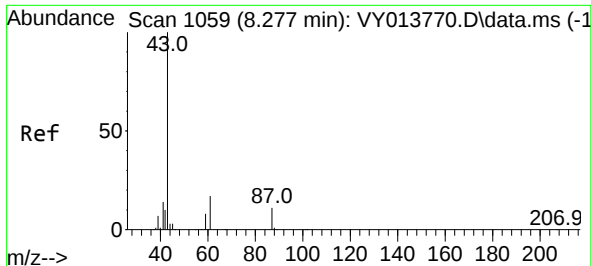
Tgt Ion: 41 Resp: 26099
Ion Ratio Lower Upper
41 100
39 46.5 59.5 89.3#
67 70.2 69.1 103.7
52 32.6 30.5 45.7



#42
1,2-Dichloroethane
Concen: 19.657 ug/l
RT: 8.240 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

Tgt Ion: 62 Resp: 68198
Ion Ratio Lower Upper
62 100
98 8.5 0.0 16.8

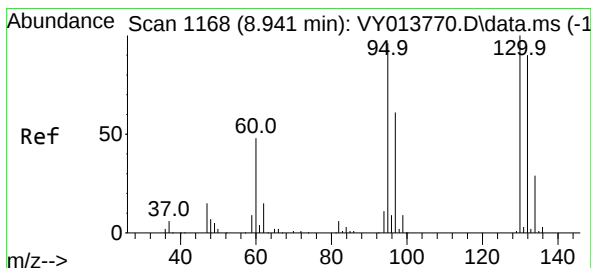
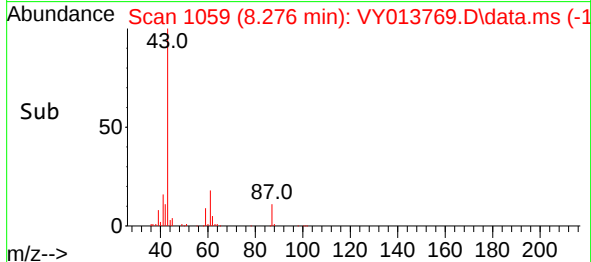
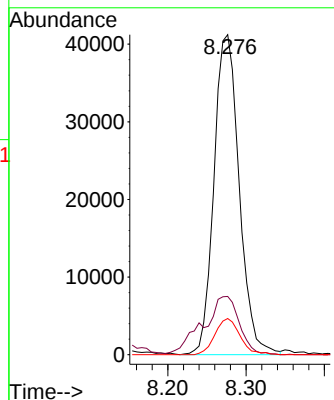
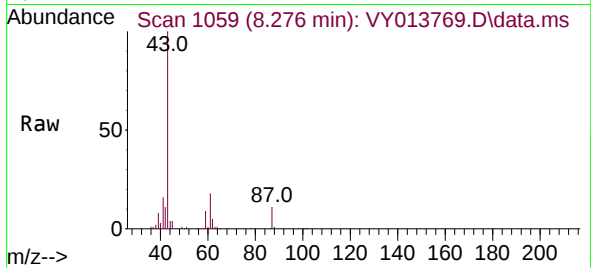




#43
Isopropyl Acetate
Concen: 20.032 ug/l
RT: 8.276 min Scan# 1059
Delta R.T. -0.000 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

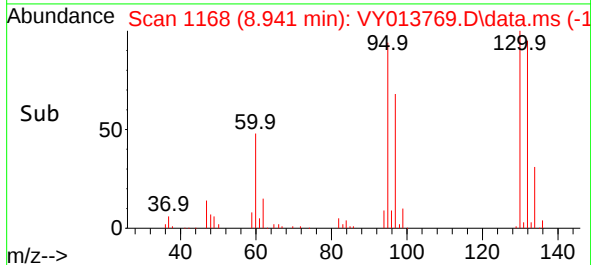
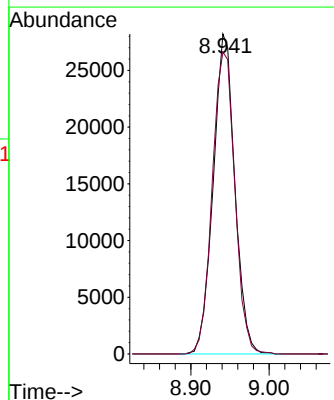
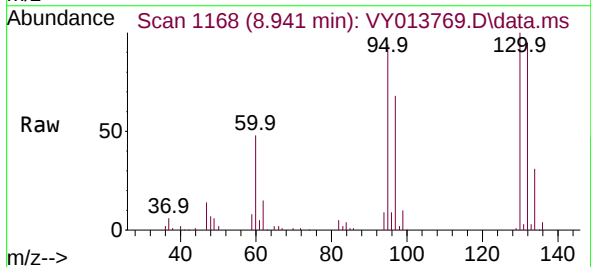
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

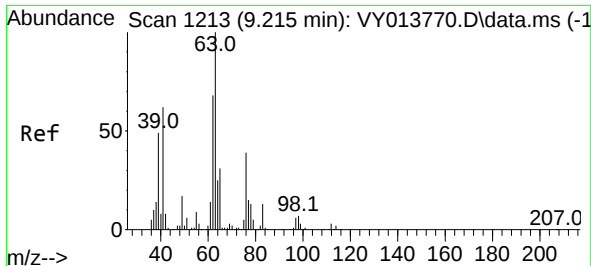
Tgt Ion: 43 Resp: 92412
Ion Ratio Lower Upper
43 100
61 26.3 20.6 31.0
87 11.2 9.0 13.6



#44
Trichloroethene
Concen: 19.268 ug/l
RT: 8.941 min Scan# 1168
Delta R.T. -0.000 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

Tgt Ion:130 Resp: 54084
Ion Ratio Lower Upper
130 100
95 94.3 0.0 193.0





#45

1,2-Dichloropropane

Concen: 19.716 ug/l

RT: 9.221 min Scan# 1214

Delta R.T. 0.006 min

Lab File: VY013769.D

Acq: 17 May 2023 10:59

Instrument :

MSVOA_Y

ClientSampleId :

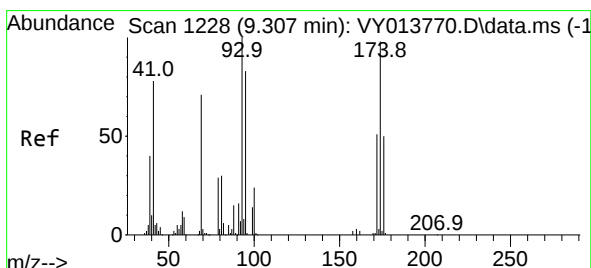
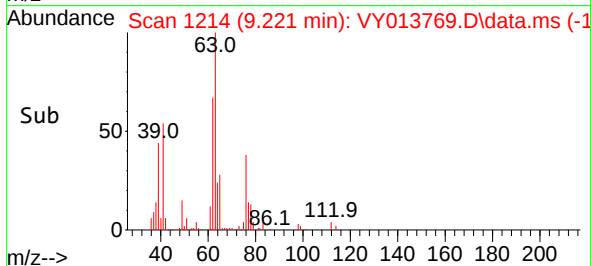
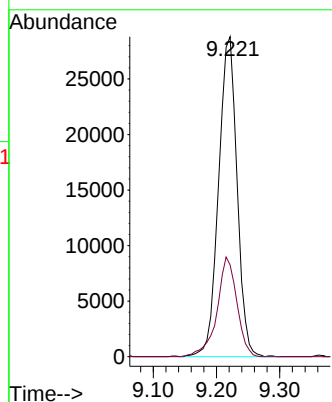
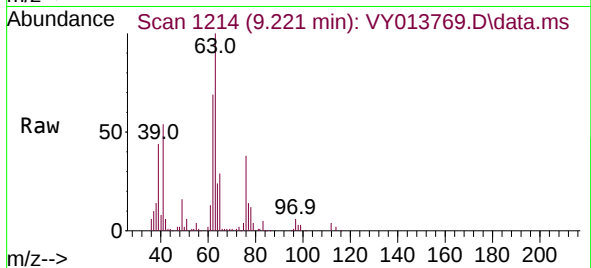
VSTDICC020

Tgt Ion: 63 Resp: 58174

Ion Ratio Lower Upper

63 100

65 28.6 24.9 37.3



#46

Dibromomethane

Concen: 19.540 ug/l

RT: 9.307 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VY013769.D

Acq: 17 May 2023 10:59

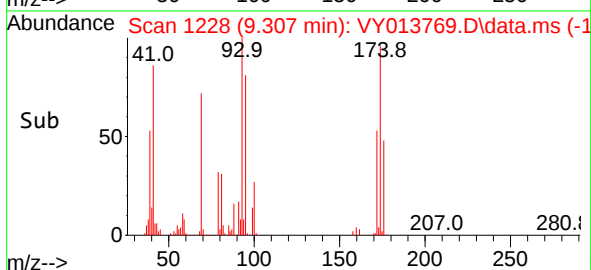
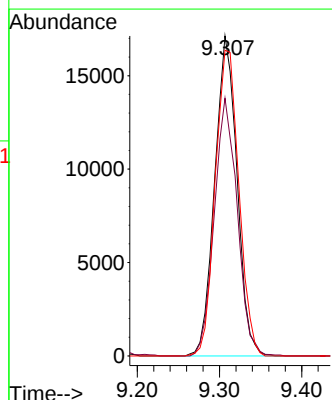
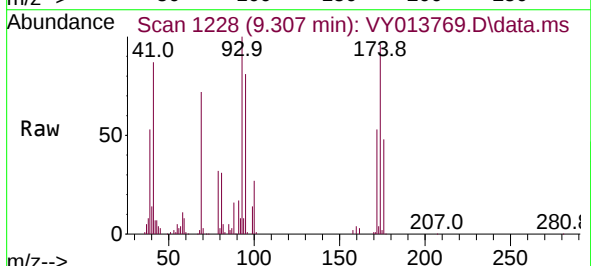
Tgt Ion: 93 Resp: 32291

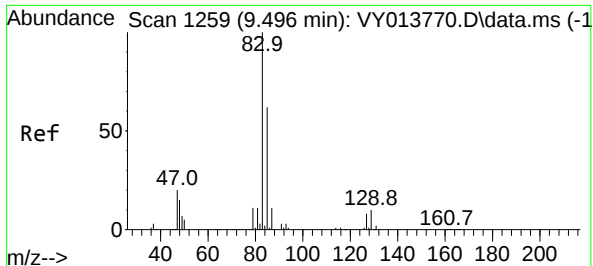
Ion Ratio Lower Upper

93 100

95 82.9 65.8 98.6

174 101.1 79.5 119.3





#47

Bromodichloromethane

Concen: 19.665 ug/l

RT: 9.502 min Scan# 1260

Delta R.T. 0.006 min

Lab File: VY013769.D

Acq: 17 May 2023 10:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

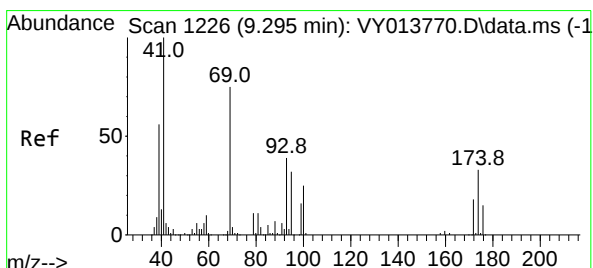
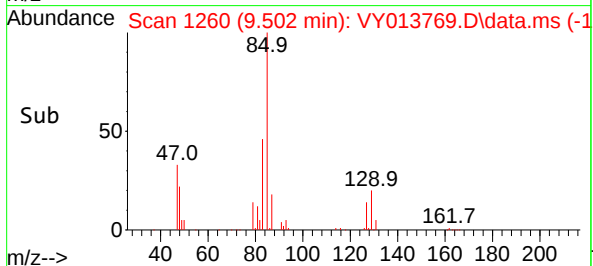
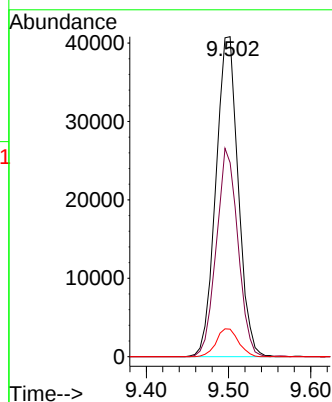
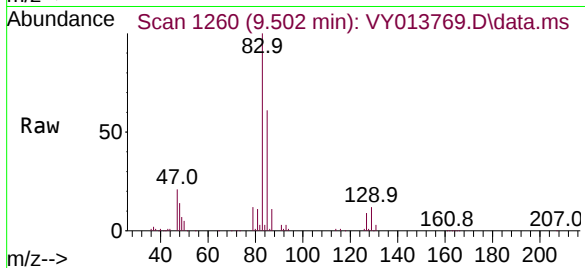
Tgt Ion: 83 Resp: 76960

Ion Ratio Lower Upper

83 100

85 60.6 49.6 74.4

127 8.6 6.3 9.5



#48

Methyl methacrylate

Concen: 20.064 ug/l

RT: 9.295 min Scan# 1226

Delta R.T. -0.000 min

Lab File: VY013769.D

Acq: 17 May 2023 10:59

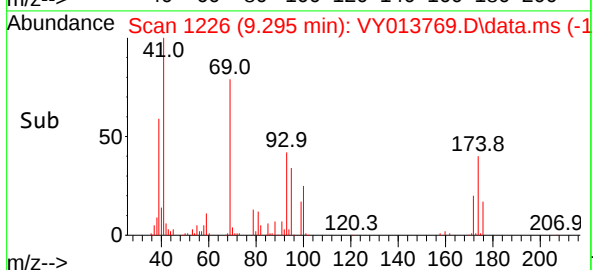
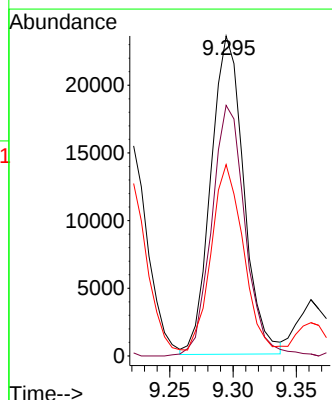
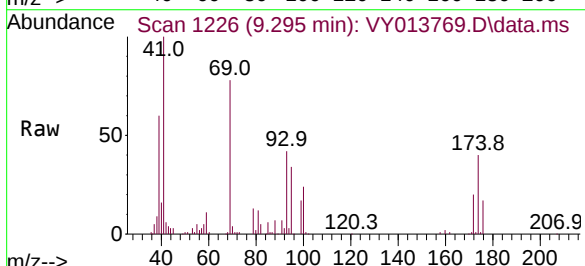
Tgt Ion: 41 Resp: 42519

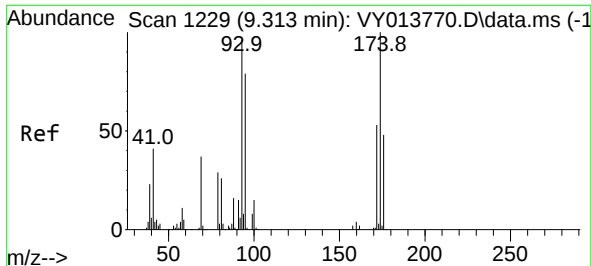
Ion Ratio Lower Upper

41 100

69 80.3 63.0 94.6

39 57.3 46.2 69.2





#49

1,4-Dioxane

Concen: 413.624 ug/l

RT: 9.307 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY013769.D

Acq: 17 May 2023 10:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

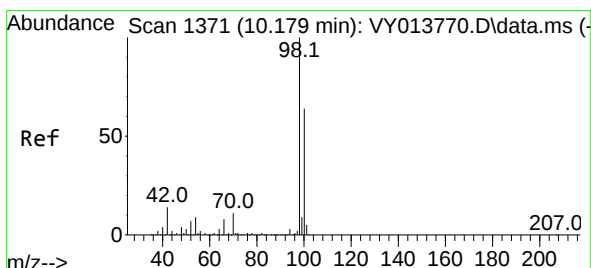
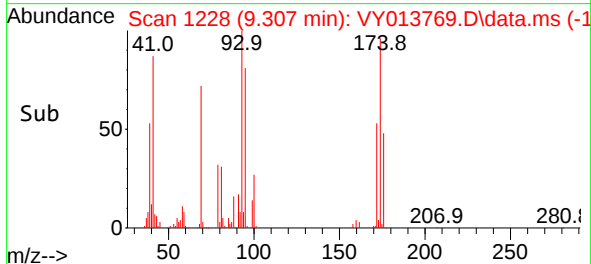
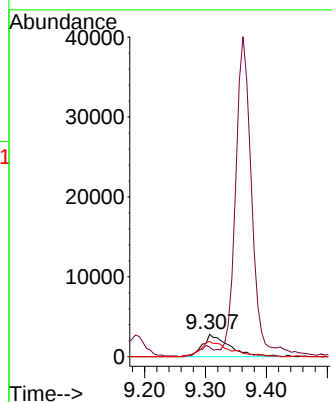
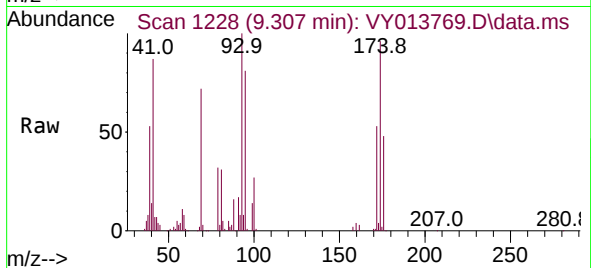
Tgt Ion: 88 Resp: 8389

Ion Ratio Lower Upper

88 100

43 27.0 26.1 39.1

58 76.3 62.2 93.2



#50

Toluene-d8

Concen: 20.087 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. 0.006 min

Lab File: VY013769.D

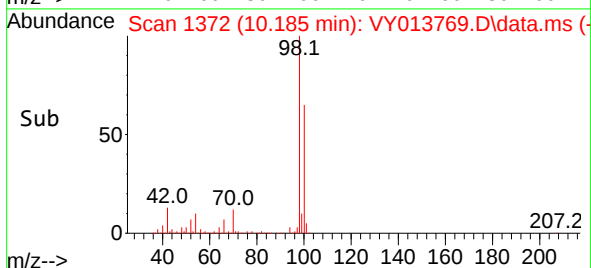
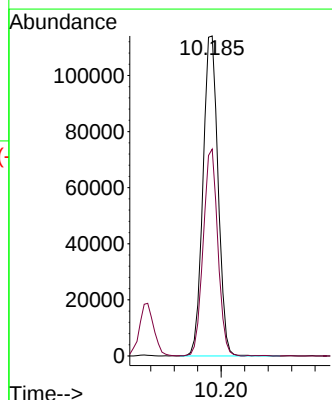
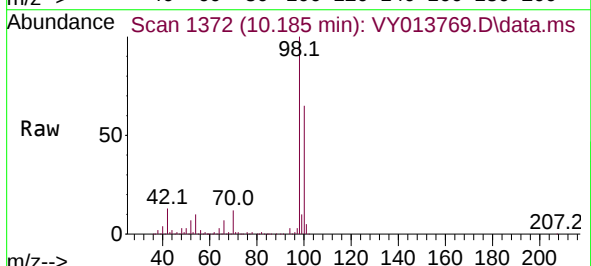
Acq: 17 May 2023 10:59

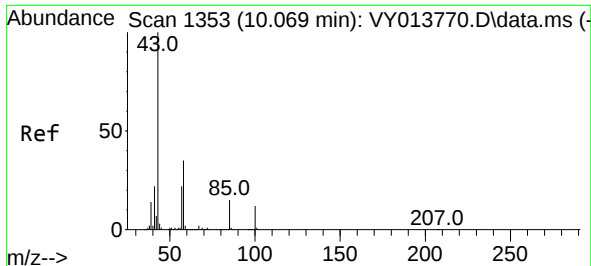
Tgt Ion: 98 Resp: 203648

Ion Ratio Lower Upper

98 100

100 62.7 51.0 76.6

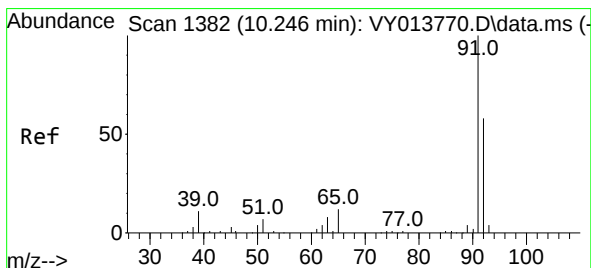
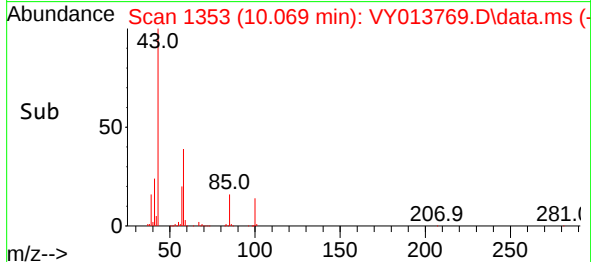
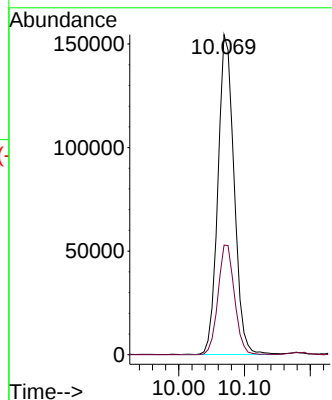
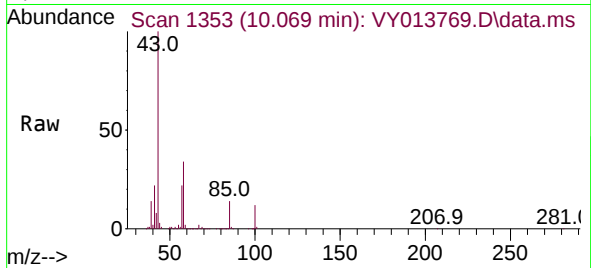




#51
4-Methyl-2-Pentanone
Concen: 102.535 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.000 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

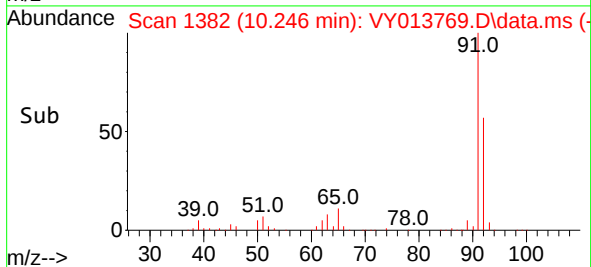
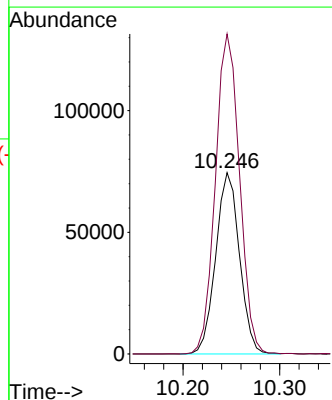
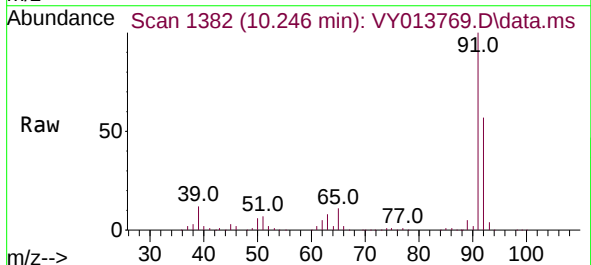
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

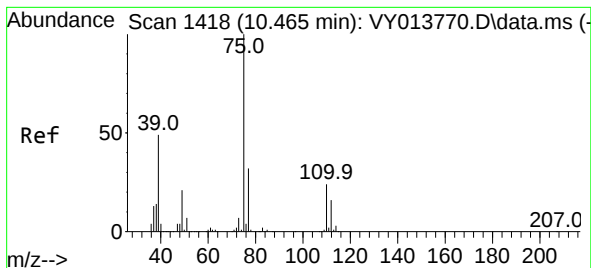
Tgt Ion: 43 Resp: 263410
Ion Ratio Lower Upper
43 100
58 35.1 28.2 42.2



#52
Toluene
Concen: 19.513 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

Tgt Ion: 92 Resp: 127019
Ion Ratio Lower Upper
92 100
91 179.5 141.0 211.4

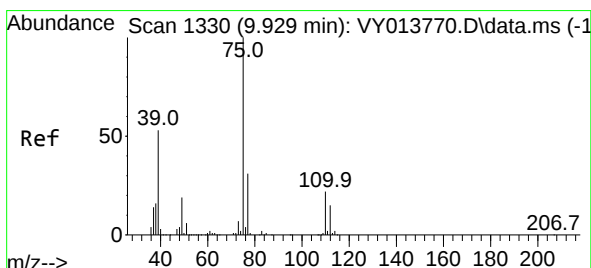
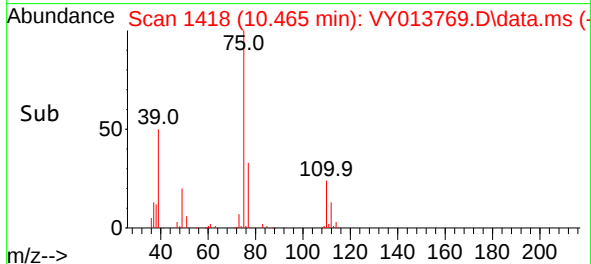
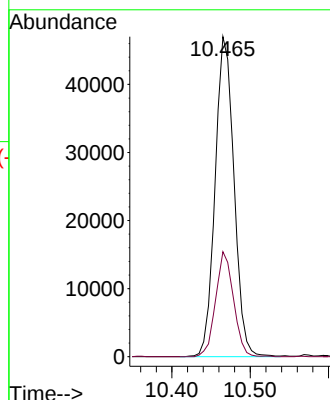
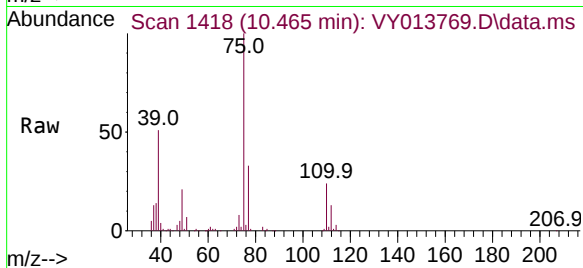




#53
t-1,3-Dichloropropene
Concen: 19.546 ug/l
RT: 10.465 min Scan# 1418
Delta R.T. -0.000 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

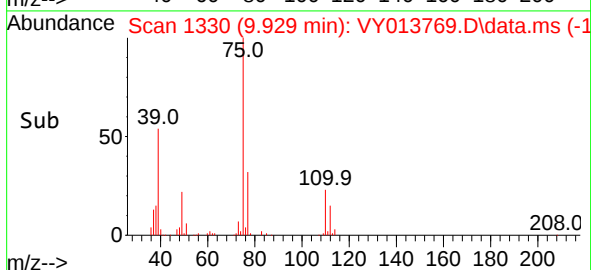
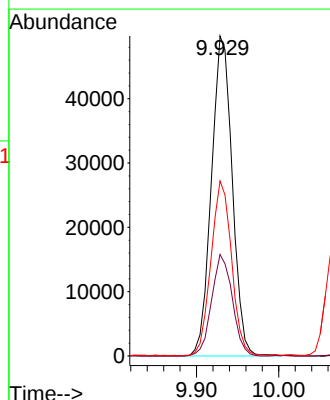
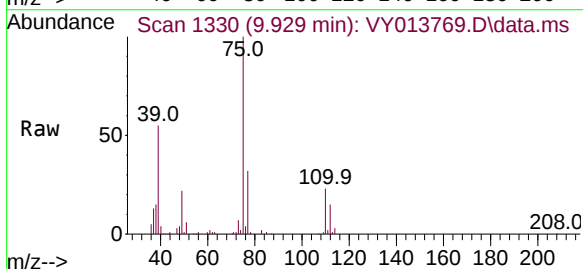
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

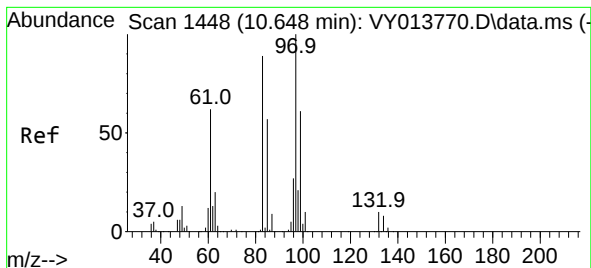
Tgt Ion: 75 Resp: 78867
Ion Ratio Lower Upper
75 100
77 32.8 25.8 38.8



#54
cis-1,3-Dichloropropene
Concen: 19.429 ug/l
RT: 9.929 min Scan# 1330
Delta R.T. -0.000 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

Tgt Ion: 75 Resp: 87473
Ion Ratio Lower Upper
75 100
77 31.7 24.8 37.2
39 54.7 42.6 63.8





#55

1,1,2-Trichloroethane

Concen: 19.962 ug/l

RT: 10.648 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VY013769.D

Acq: 17 May 2023 10:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 44867

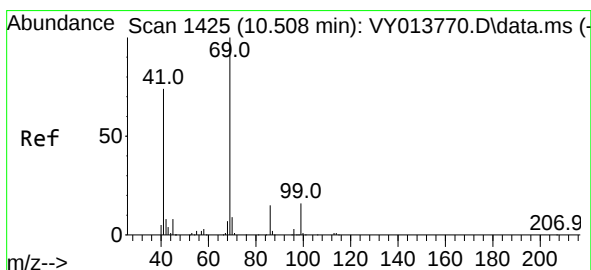
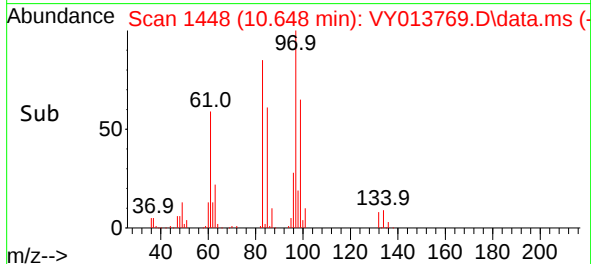
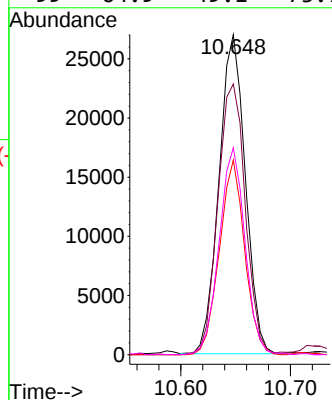
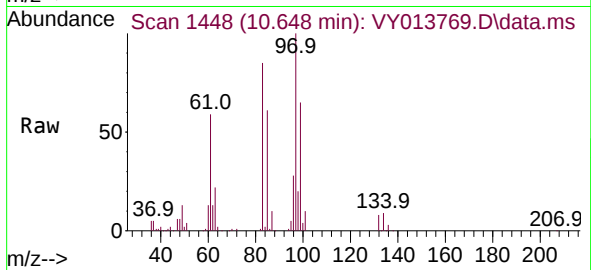
Ion Ratio Lower Upper

97 100

83 84.9 71.1 106.7

85 61.0 45.7 68.5

99 64.9 49.1 73.7



#56

Ethyl methacrylate

Concen: 19.515 ug/l

RT: 10.514 min Scan# 1426

Delta R.T. 0.006 min

Lab File: VY013769.D

Acq: 17 May 2023 10:59

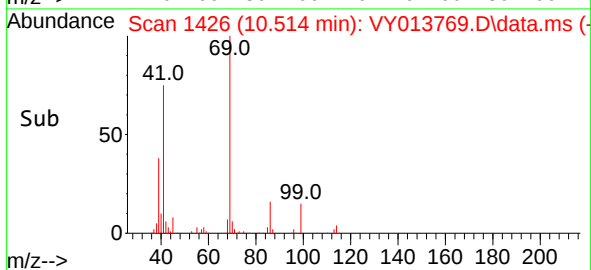
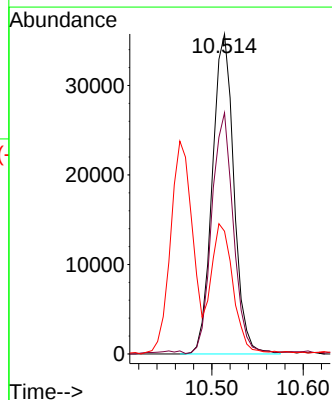
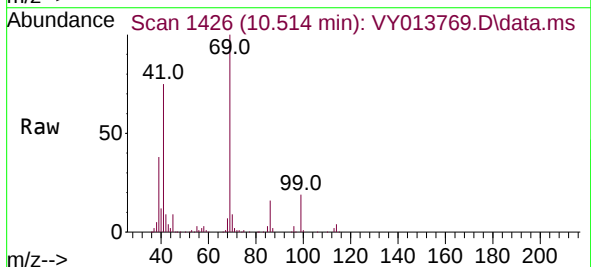
Tgt Ion: 69 Resp: 58535

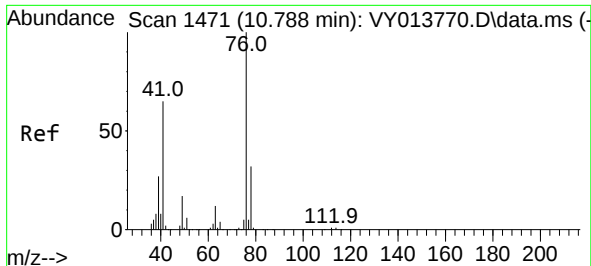
Ion Ratio Lower Upper

69 100

41 75.7 58.3 87.5

39 40.2 31.8 47.8





#57

1,3-Dichloropropane

Concen: 19.852 ug/l

RT: 10.794 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VY013769.D

Acq: 17 May 2023 10:59

Instrument :

MSVOA_Y

ClientSampleId :

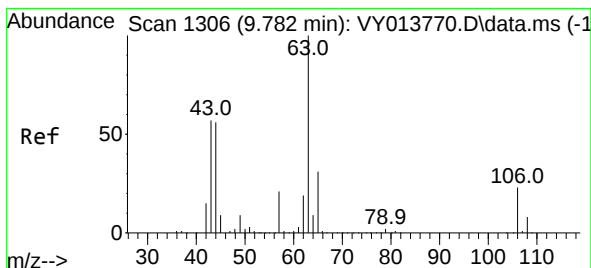
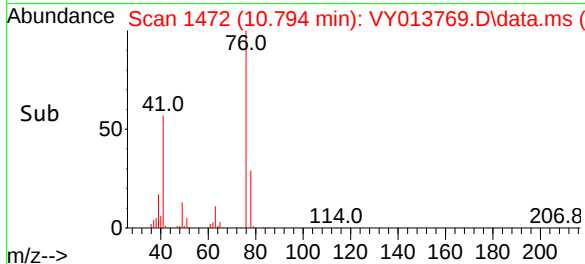
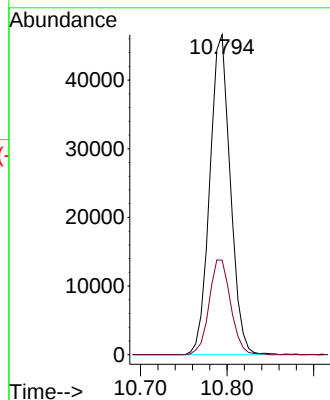
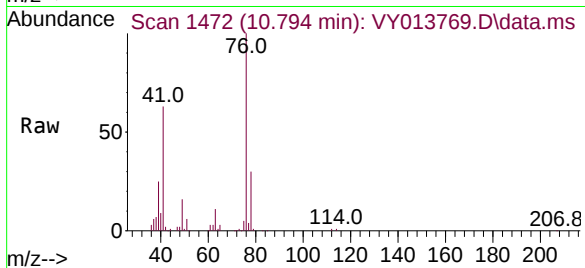
VSTDIC020

Tgt Ion: 76 Resp: 76762

Ion Ratio Lower Upper

76 100

78 31.1 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 107.278 ug/l

RT: 9.782 min Scan# 1306

Delta R.T. -0.000 min

Lab File: VY013769.D

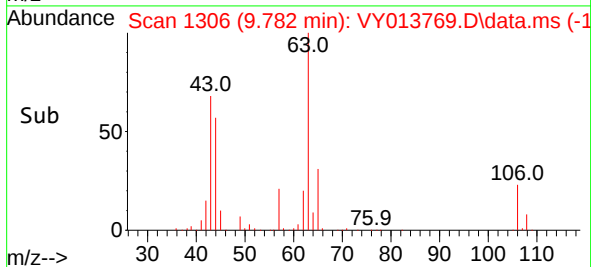
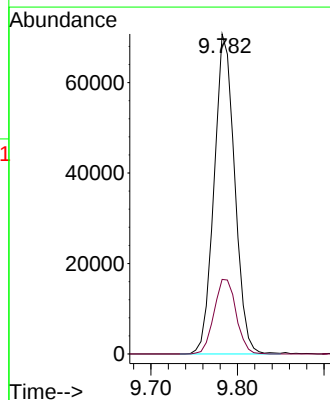
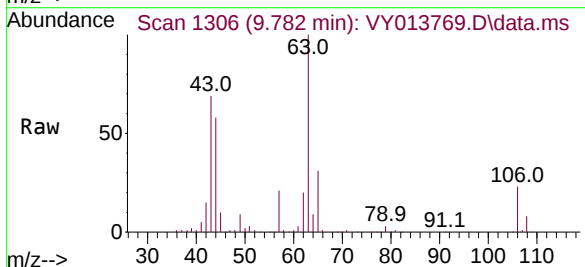
Acq: 17 May 2023 10:59

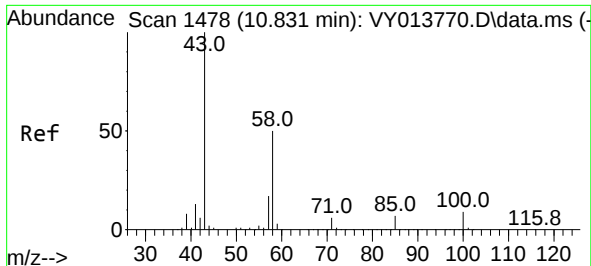
Tgt Ion: 63 Resp: 116578

Ion Ratio Lower Upper

63 100

106 25.0 19.7 29.5

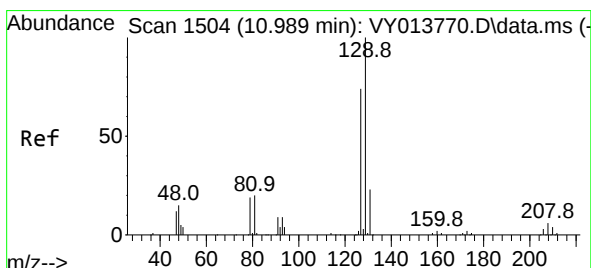
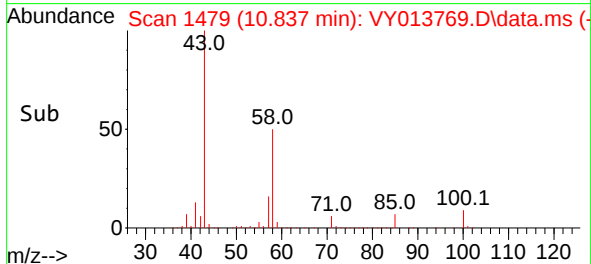
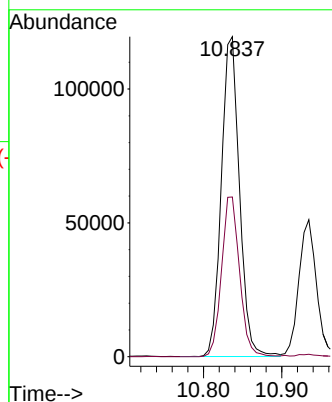
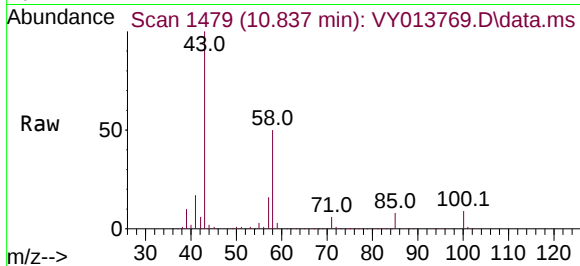




#59
2-Hexanone
Concen: 105.359 ug/l
RT: 10.837 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

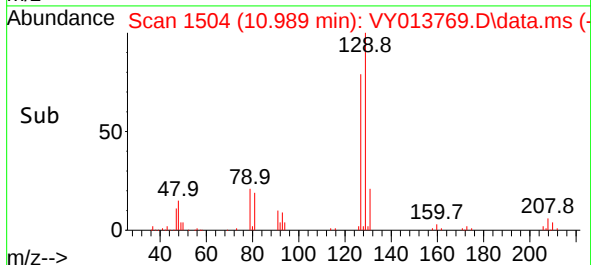
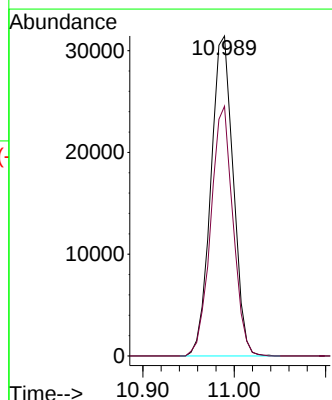
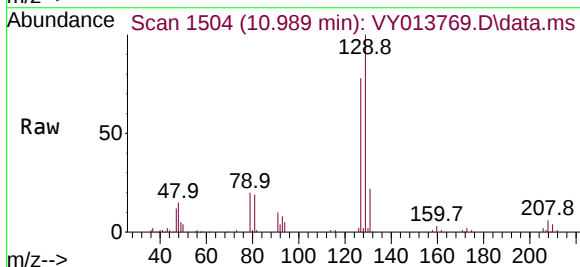
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

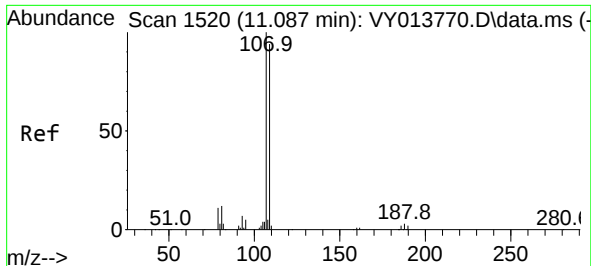
Tgt Ion: 43 Resp: 192393
Ion Ratio Lower Upper
43 100
58 49.7 24.8 74.4



#60
Dibromochloromethane
Concen: 19.636 ug/l
RT: 10.989 min Scan# 1504
Delta R.T. -0.000 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

Tgt Ion:129 Resp: 53477
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.7

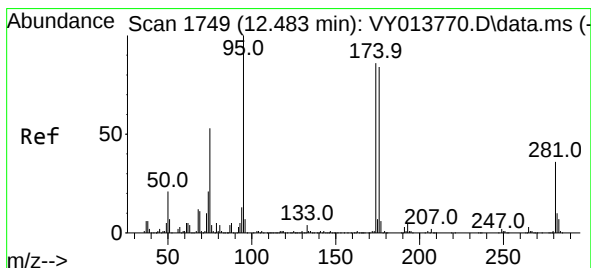
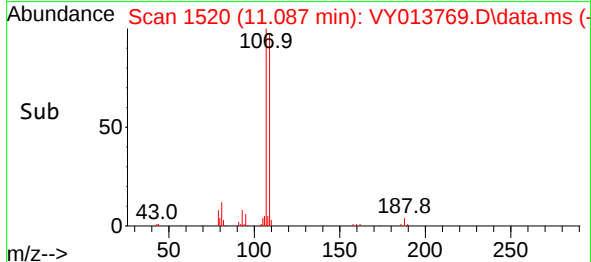
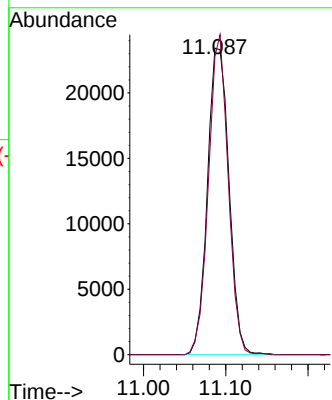
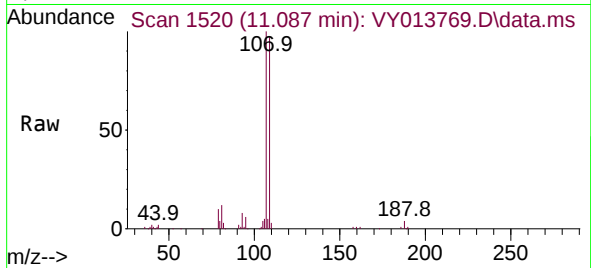




#61
1,2-Dibromoethane
Concen: 20.135 ug/l
RT: 11.087 min Scan# 1520
Delta R.T. -0.000 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

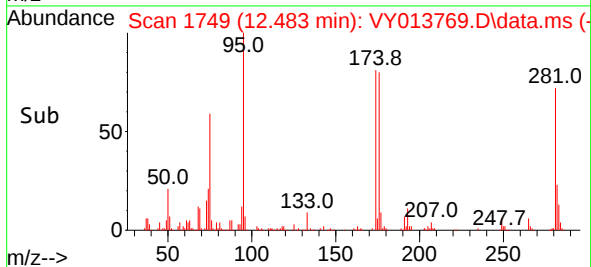
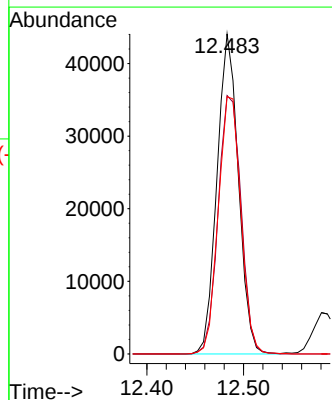
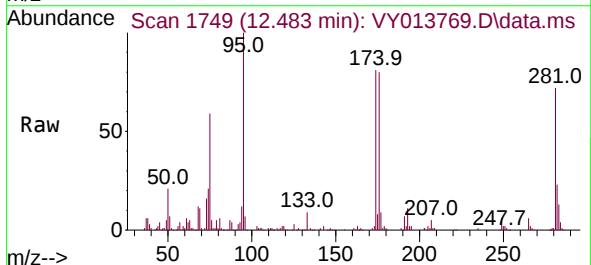
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

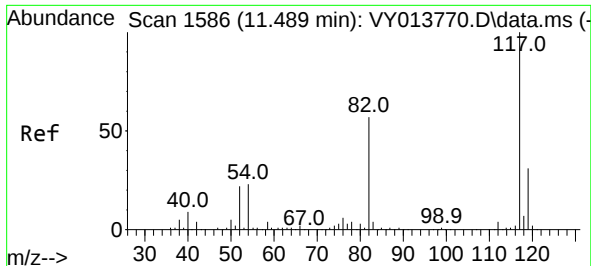
Tgt Ion:107 Resp: 42675
Ion Ratio Lower Upper
107 100
109 95.4 76.2 114.4



#62
4-Bromofluorobenzene
Concen: 20.106 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

Tgt Ion: 95 Resp: 67707
Ion Ratio Lower Upper
95 100
174 86.1 0.0 168.8
176 84.7 0.0 165.2

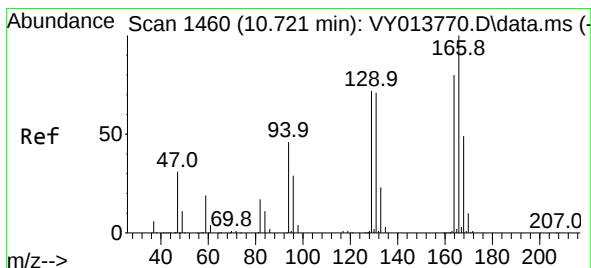
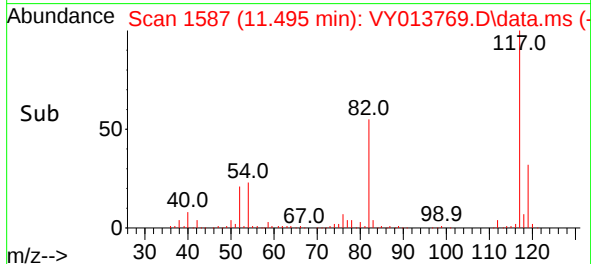
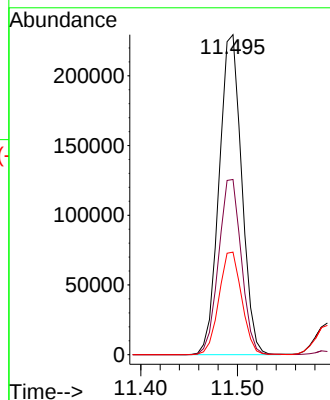
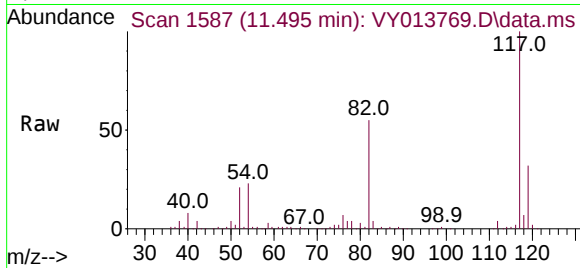




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

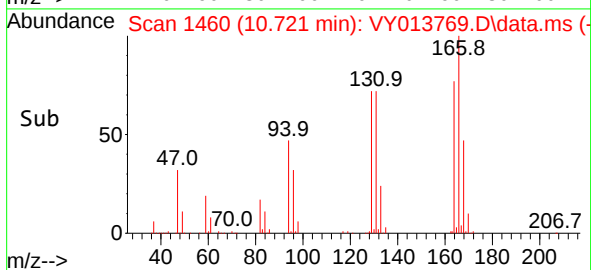
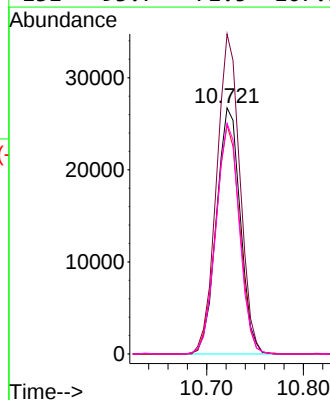
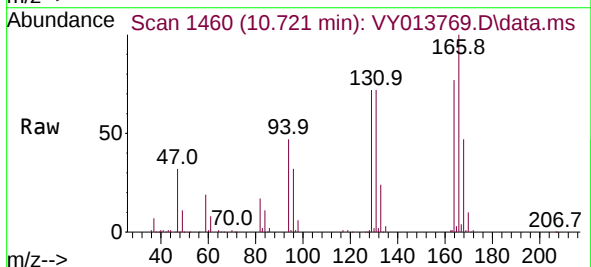
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

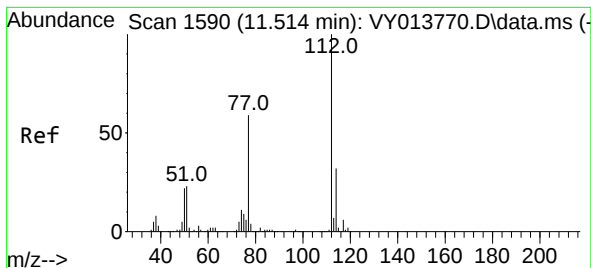
Tgt Ion:117 Resp: 371626
Ion Ratio Lower Upper
117 100
82 54.8 45.5 68.3
119 32.0 24.8 37.2



#64
Tetrachloroethene
Concen: 19.356 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

Tgt Ion:164 Resp: 45631
Ion Ratio Lower Upper
164 100
166 130.0 100.5 150.7
129 93.1 72.5 108.7
131 93.7 71.5 107.3





#65

Chlorobenzene

Concen: 19.249 ug/l

RT: 11.520 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY013769.D

Acq: 17 May 2023 10:59

Instrument :

MSVOA_Y

ClientSampleId :

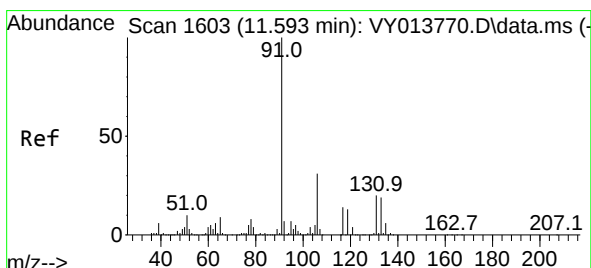
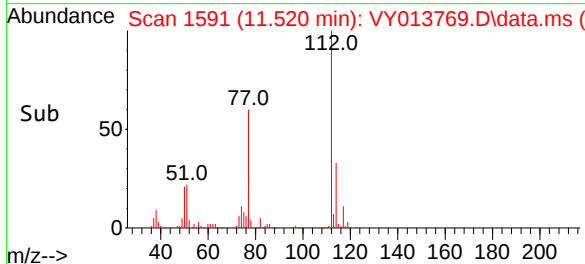
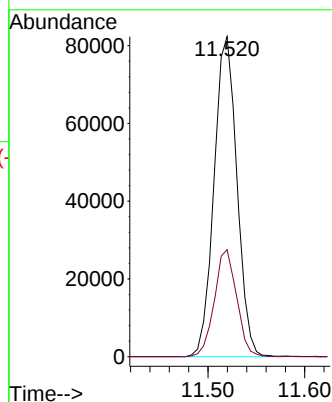
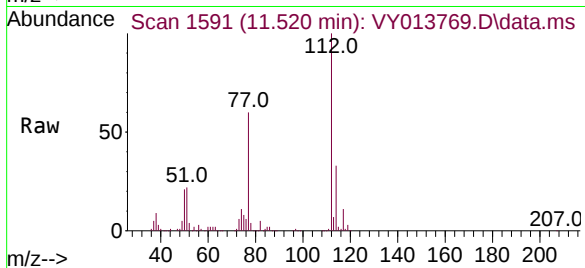
VSTDICC020

Tgt Ion:112 Resp: 135400

Ion Ratio Lower Upper

112 100

114 33.5 25.5 38.3



#66

1,1,1,2-Tetrachloroethane

Concen: 19.641 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. -0.000 min

Lab File: VY013769.D

Acq: 17 May 2023 10:59

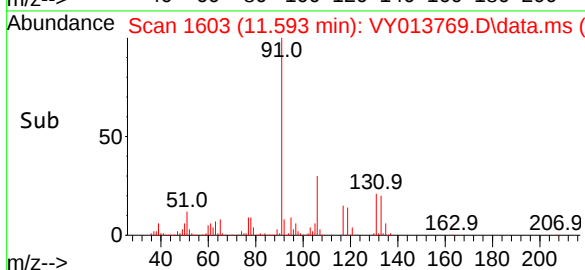
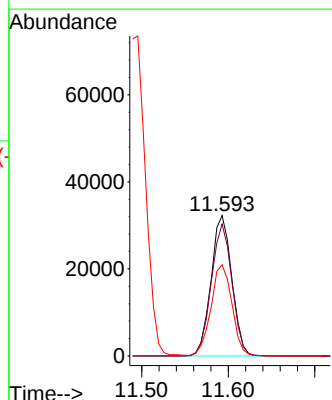
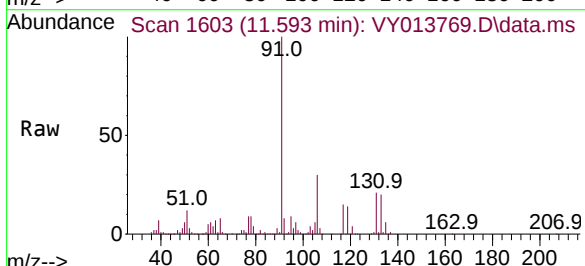
Tgt Ion:131 Resp: 53681

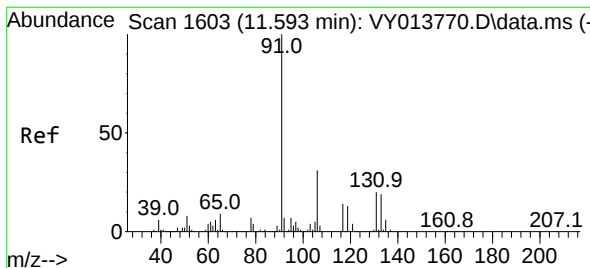
Ion Ratio Lower Upper

131 100

133 93.5 47.8 143.4

119 65.7 32.9 98.7

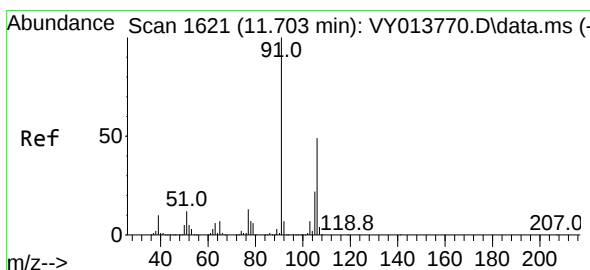
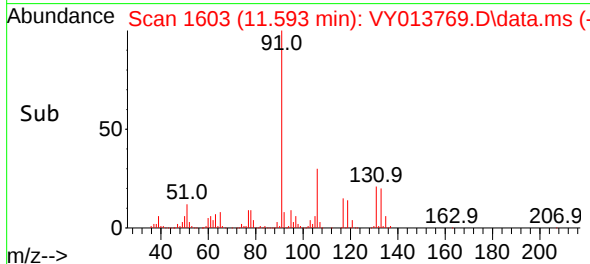
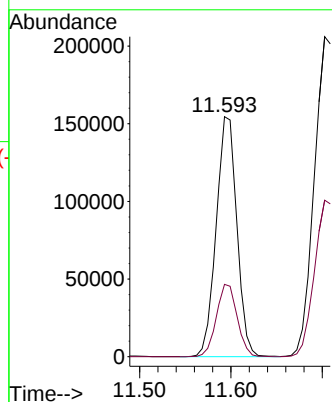
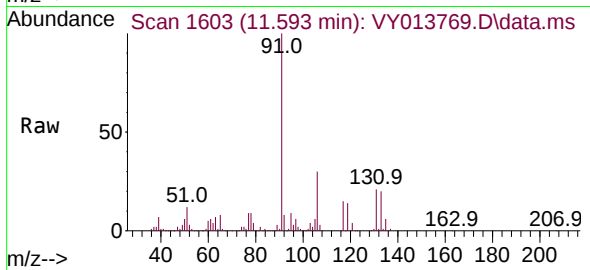




#67
Ethyl Benzene
Concen: 19.455 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

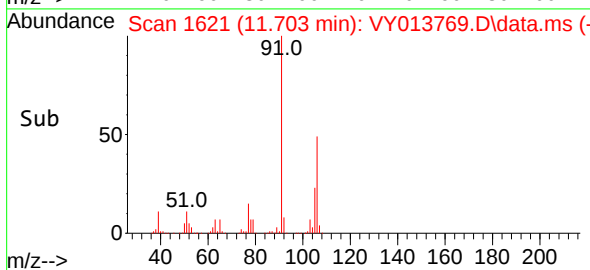
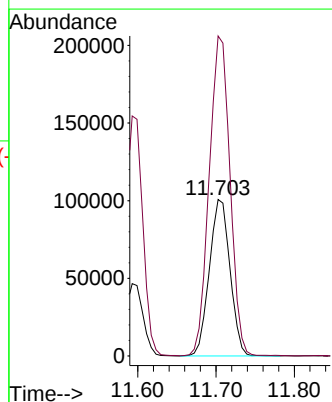
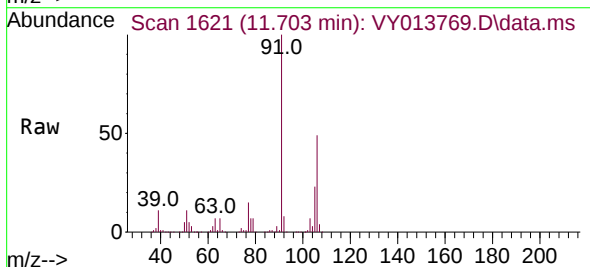
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

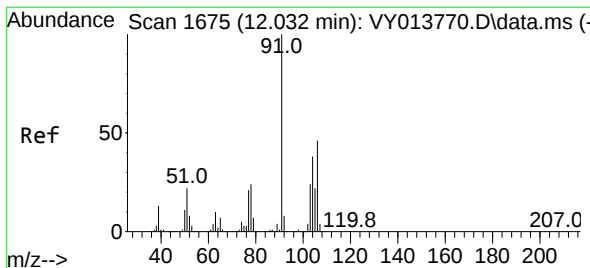
Tgt Ion: 91 Resp: 243169
Ion Ratio Lower Upper
91 100
106 30.1 25.0 37.6



#68
m/p-Xylenes
Concen: 39.448 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

Tgt Ion: 106 Resp: 184678
Ion Ratio Lower Upper
106 100
91 206.4 164.0 246.0





#69

o-Xylene

Concen: 19.653 ug/l

RT: 12.032 min Scan# 1675

Delta R.T. -0.000 min

Lab File: VY013769.D

Acq: 17 May 2023 10:59

Instrument :

MSVOA_Y

ClientSampleId :

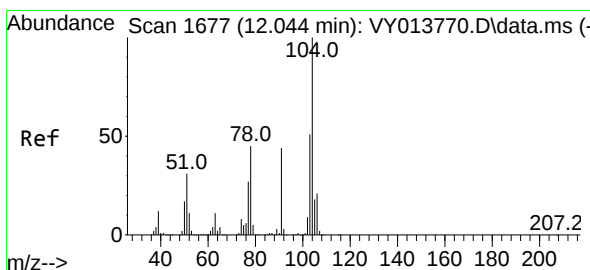
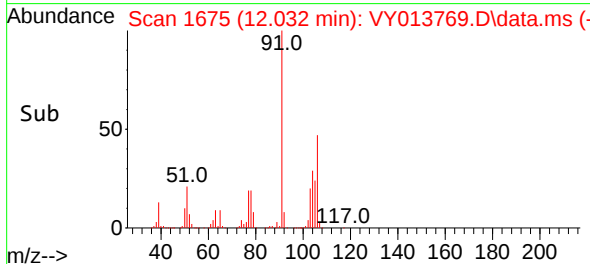
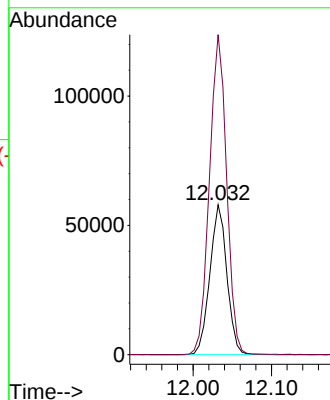
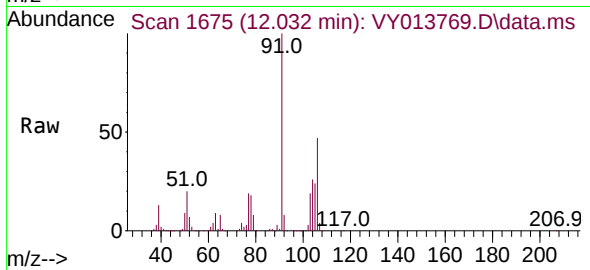
VSTDIC020

Tgt Ion:106 Resp: 87521

Ion Ratio Lower Upper

106 100

91 215.4 108.4 325.2



#70

Styrene

Concen: 19.943 ug/l

RT: 12.044 min Scan# 1677

Delta R.T. -0.000 min

Lab File: VY013769.D

Acq: 17 May 2023 10:59

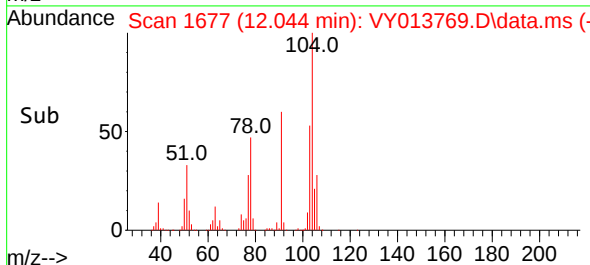
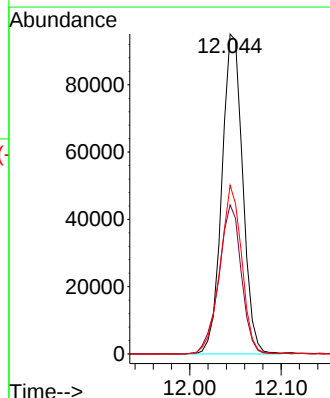
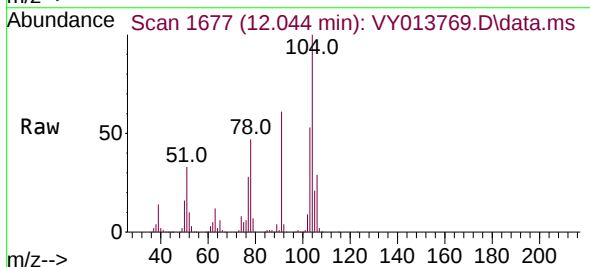
Tgt Ion:104 Resp: 150845

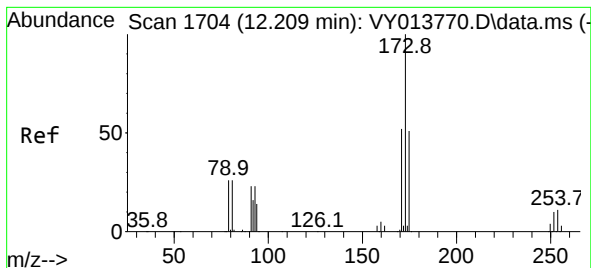
Ion Ratio Lower Upper

104 100

78 50.3 40.6 61.0

103 54.8 44.6 66.8





#71

Bromoform

Concen: 19.606 ug/l

RT: 12.209 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY013769.D

Acq: 17 May 2023 10:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

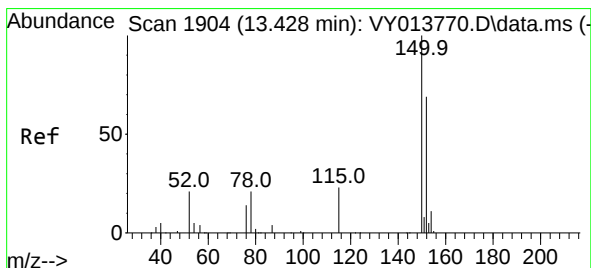
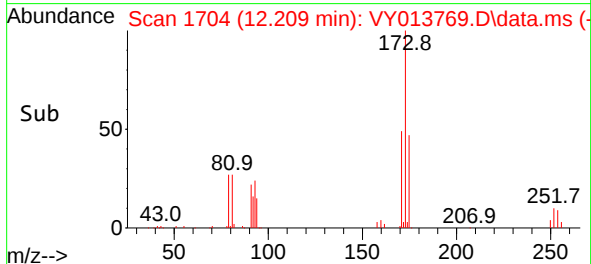
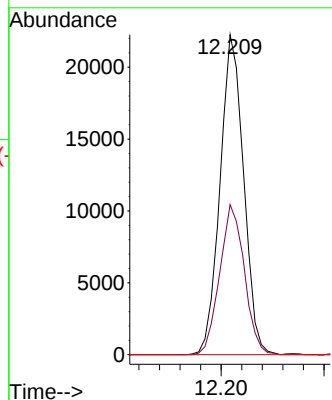
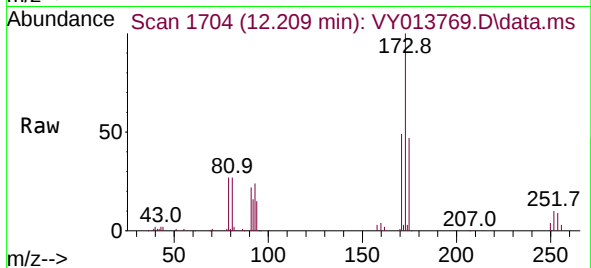
Tgt Ion:173 Resp: 35401

Ion Ratio Lower Upper

173 100

175 49.0 24.9 74.7

254 0.0 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: VY013769.D

Acq: 17 May 2023 10:59

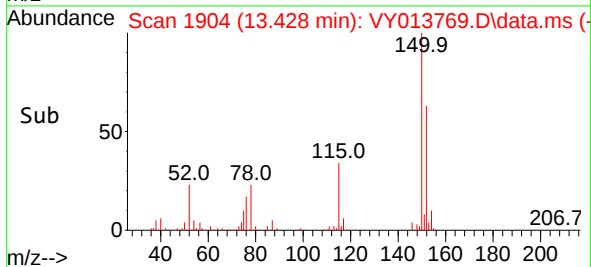
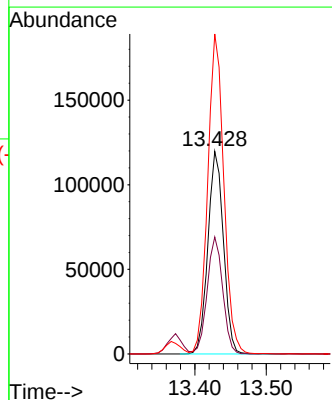
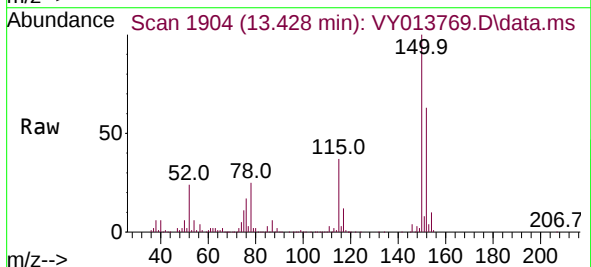
Tgt Ion:152 Resp: 180981

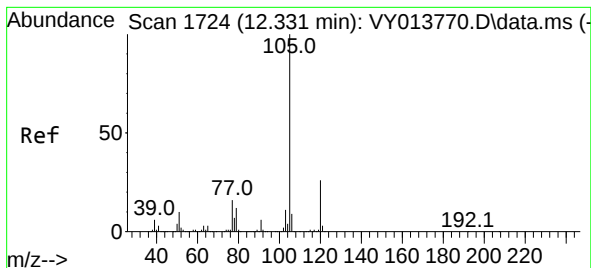
Ion Ratio Lower Upper

152 100

115 57.7 28.5 85.5

150 163.6 0.0 347.0





#73

Isopropylbenzene

Concen: 19.149 ug/l

RT: 12.331 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY013769.D

Acq: 17 May 2023 10:59

Instrument :

MSVOA_Y

ClientSampleId :

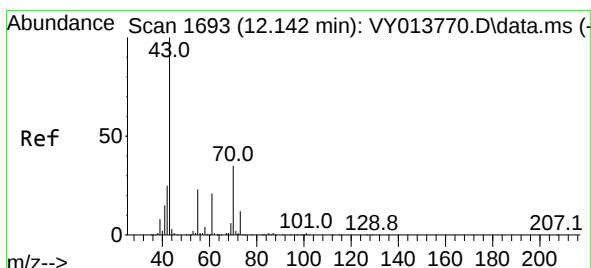
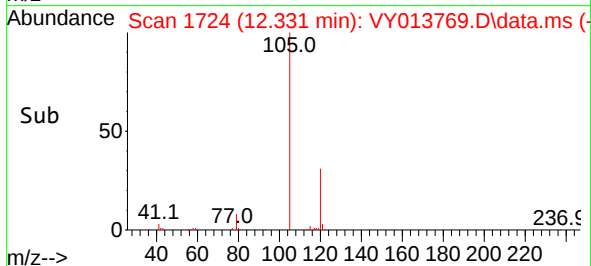
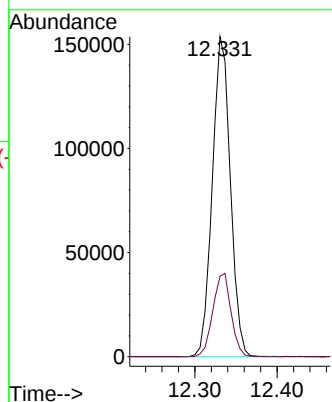
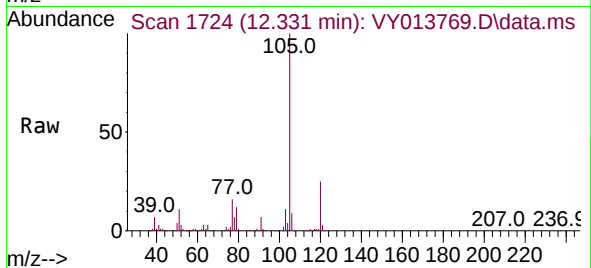
VSTDIC020

Tgt Ion:105 Resp: 234614

Ion Ratio Lower Upper

105 100

120 26.1 13.2 39.6



#74

N-ethyl acetate

Concen: 19.644 ug/l

RT: 12.148 min Scan# 1694

Delta R.T. 0.006 min

Lab File: VY013769.D

Acq: 17 May 2023 10:59

Tgt Ion: 43 Resp: 81678

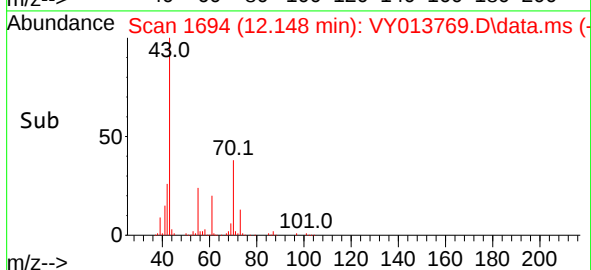
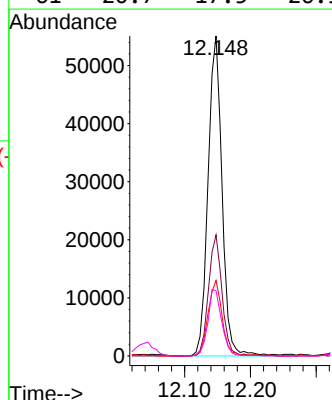
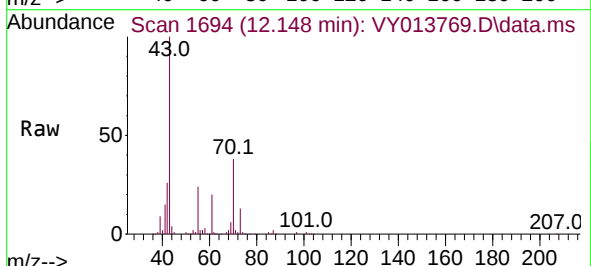
Ion Ratio Lower Upper

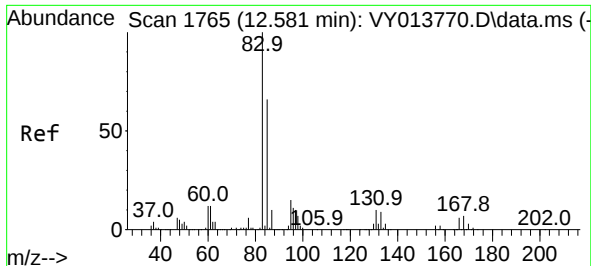
43 100

70 36.8 28.8 43.2

55 23.8 18.5 27.7

61 20.7 17.5 26.3

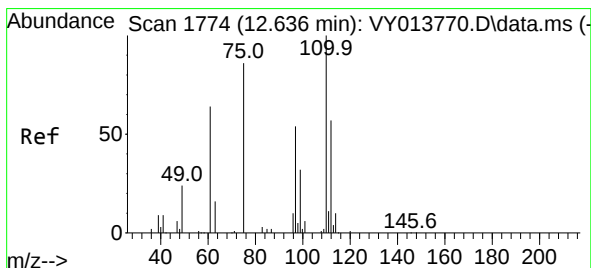
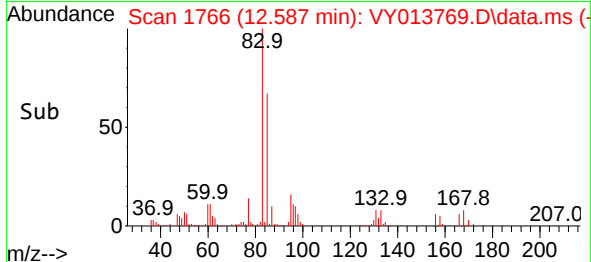
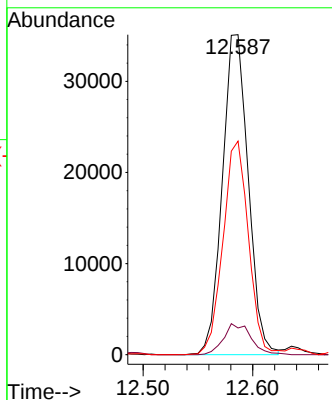
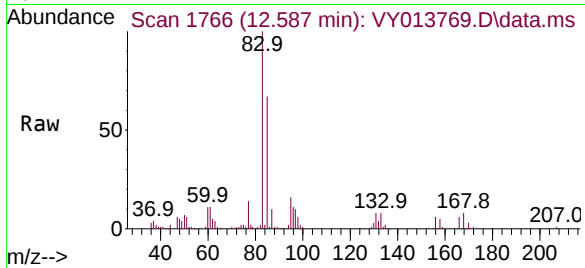




#75
1,1,2,2-Tetrachloroethane
Concen: 19.887 ug/l
RT: 12.587 min Scan# 1766
Delta R.T. 0.006 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

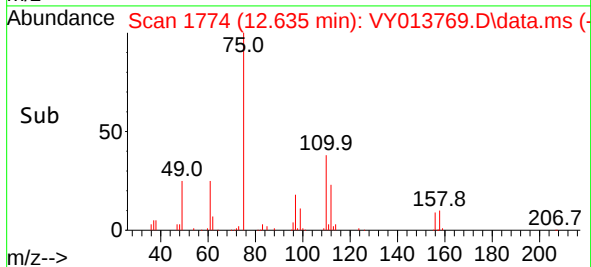
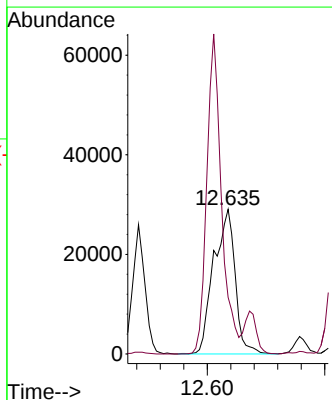
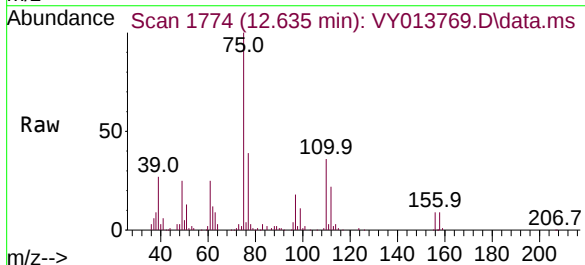
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

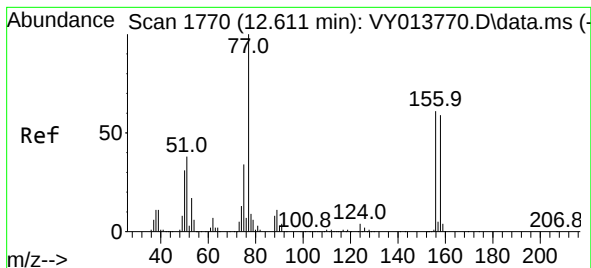
Tgt Ion: 83 Resp: 57720
Ion Ratio Lower Upper
83 100
131 10.3 5.1 15.2
85 65.8 32.0 96.2



#76
1,2,3-Trichloropropane
Concen: 33.729 ug/l
RT: 12.635 min Scan# 1774
Delta R.T. -0.000 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

Tgt Ion: 75 Resp: 73699
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.606 ug/l

RT: 12.611 min Scan# 1770

Delta R.T. -0.000 min

Lab File: VY013769.D

Acq: 17 May 2023 10:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

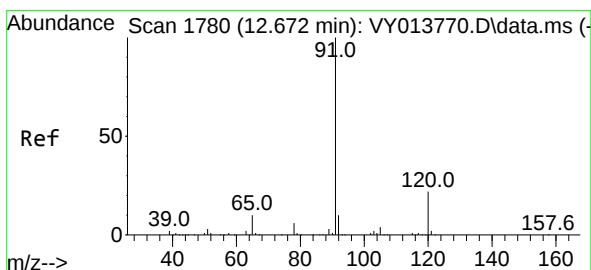
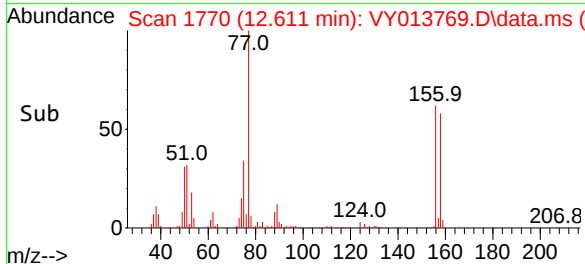
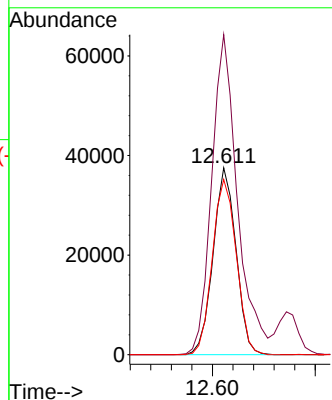
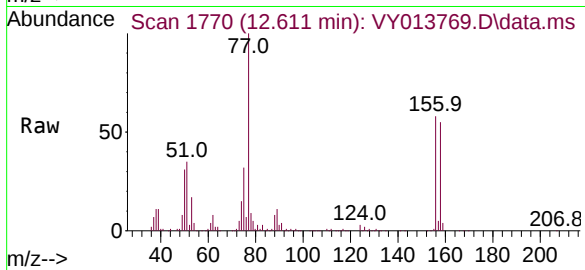
Tgt Ion:156 Resp: 57949

Ion Ratio Lower Upper

156 100

77 192.6 97.1 291.3

158 98.1 49.1 147.3



#78

n-propylbenzene

Concen: 19.419 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. -0.000 min

Lab File: VY013769.D

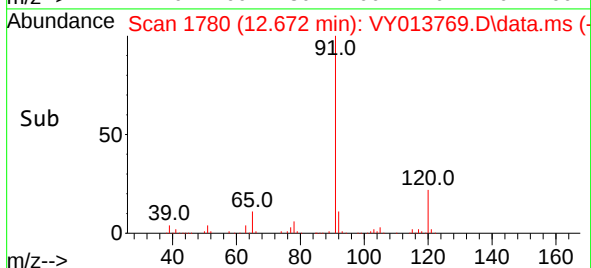
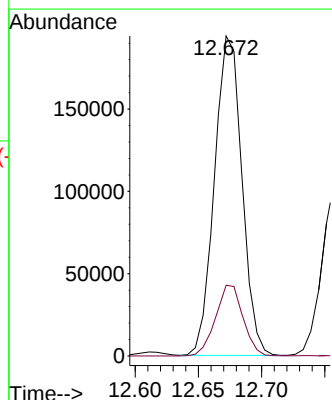
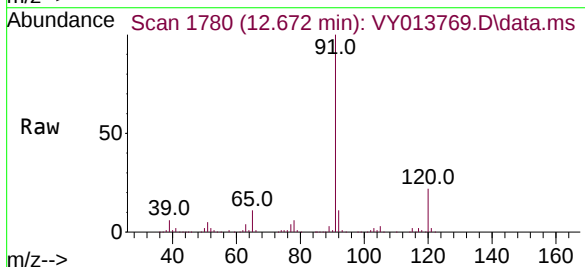
Acq: 17 May 2023 10:59

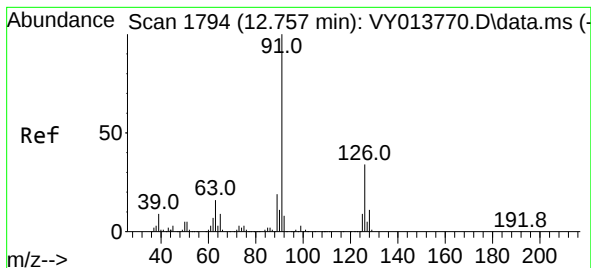
Tgt Ion: 91 Resp: 293092

Ion Ratio Lower Upper

91 100

120 22.2 10.9 32.9





#79

2-Chlorotoluene

Concen: 19.255 ug/l

RT: 12.757 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY013769.D

Acq: 17 May 2023 10:59

Instrument :

MSVOA_Y

ClientSampleId :

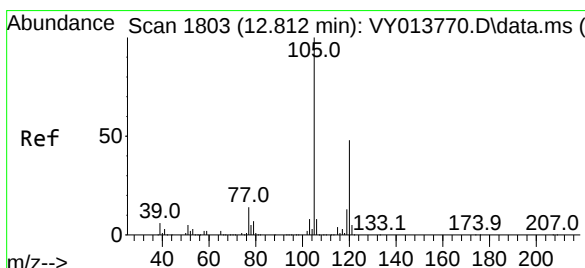
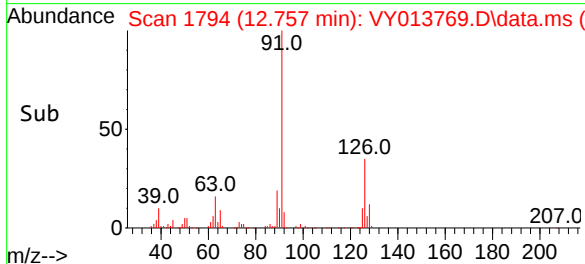
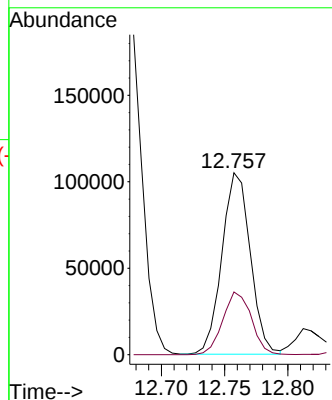
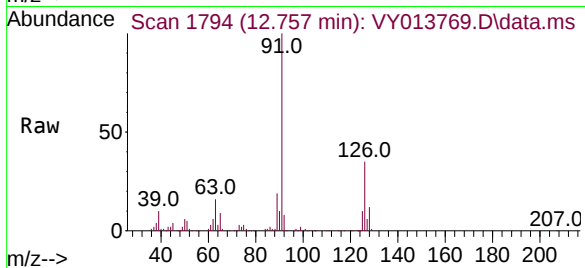
VSTDIC020

Tgt Ion: 91 Resp: 164019

Ion Ratio Lower Upper

91 100

126 34.8 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 19.555 ug/l

RT: 12.818 min Scan# 1804

Delta R.T. 0.006 min

Lab File: VY013769.D

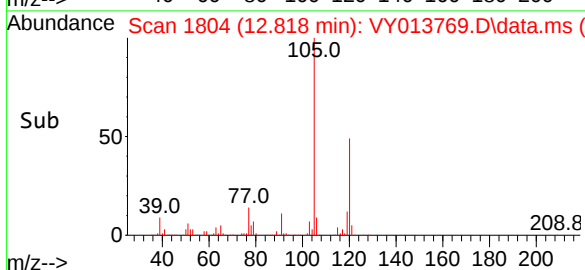
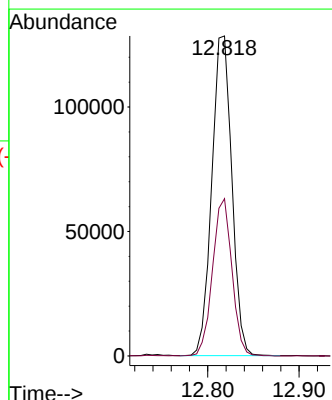
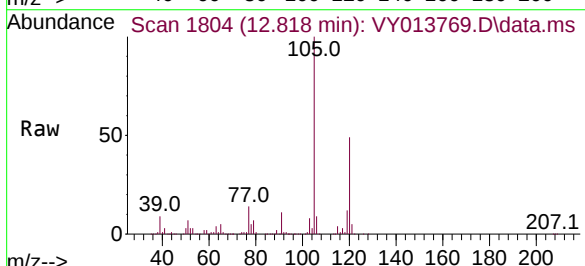
Acq: 17 May 2023 10:59

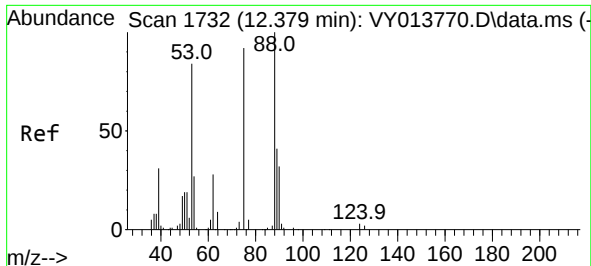
Tgt Ion:105 Resp: 195366

Ion Ratio Lower Upper

105 100

120 47.6 23.8 71.5

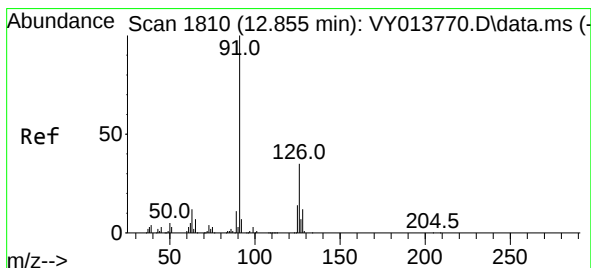
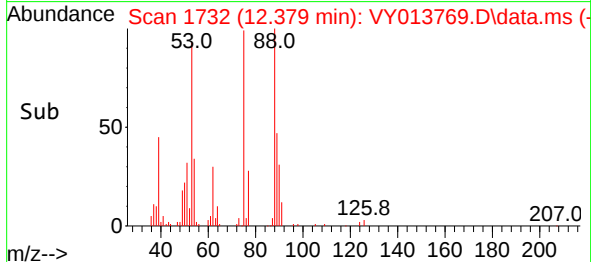
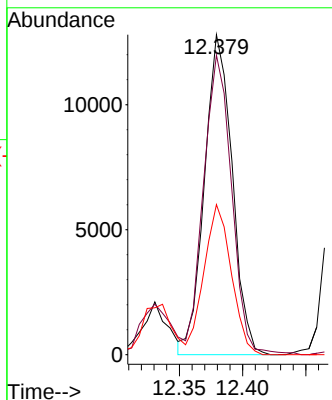
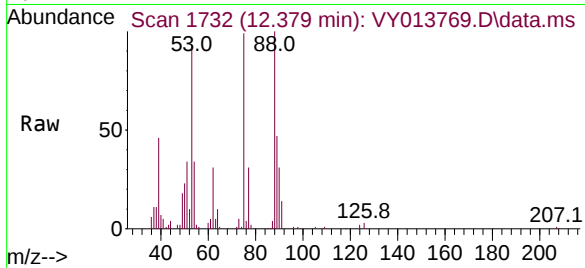




#81
trans-1,4-Dichloro-2-butene
Concen: 19.849 ug/l
RT: 12.379 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

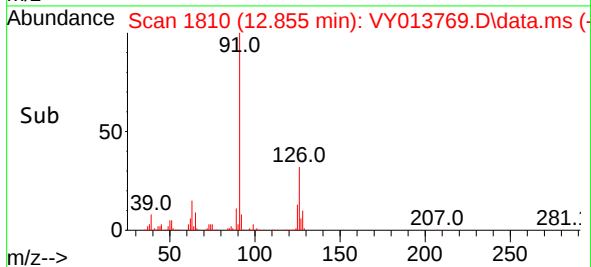
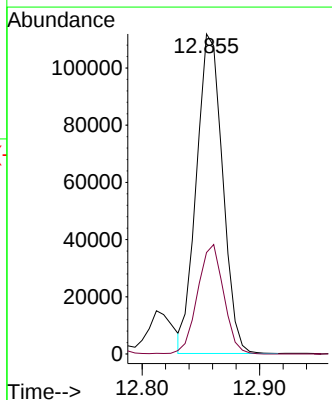
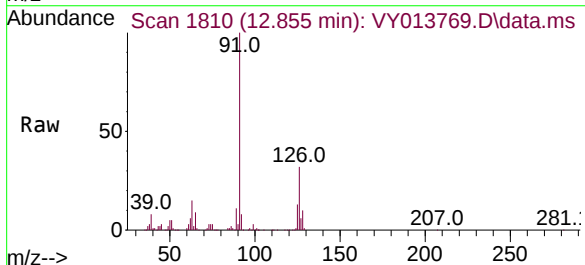
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

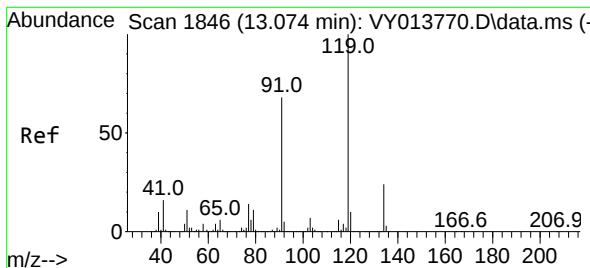
Tgt Ion: 75 Resp: 19528
Ion Ratio Lower Upper
75 100
53 94.1 75.3 112.9
89 46.2 35.4 53.2



#82
4-Chlorotoluene
Concen: 19.488 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

Tgt Ion: 91 Resp: 172916
Ion Ratio Lower Upper
91 100
126 34.2 16.8 50.4





#83

tert-Butylbenzene

Concen: 18.909 ug/l

RT: 13.074 min Scan# 119

Delta R.T. -0.000 min

Lab File: VY013769.D

Acq: 17 May 2023 10:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

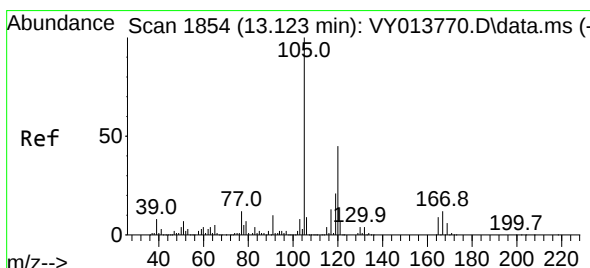
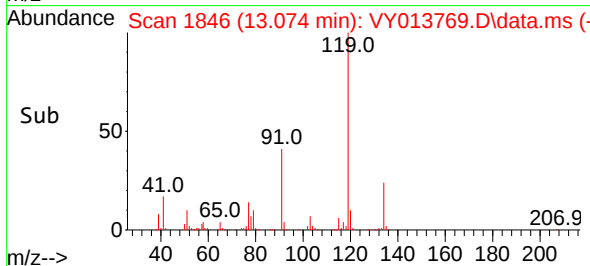
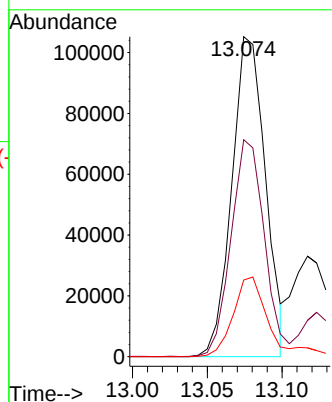
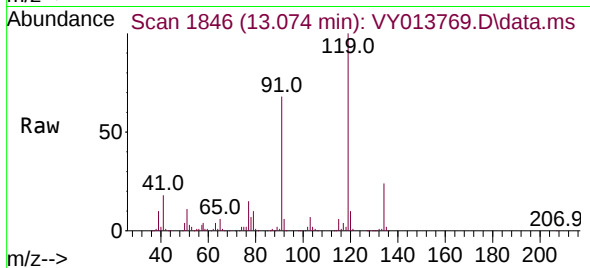
Tgt Ion:119 Resp: 164512

Ion Ratio Lower Upper

119 100

91 67.2 33.3 99.9

134 26.4 13.1 39.1



#84

1,2,4-Trimethylbenzene

Concen: 19.760 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.000 min

Lab File: VY013769.D

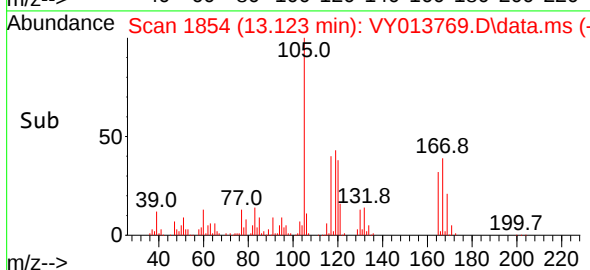
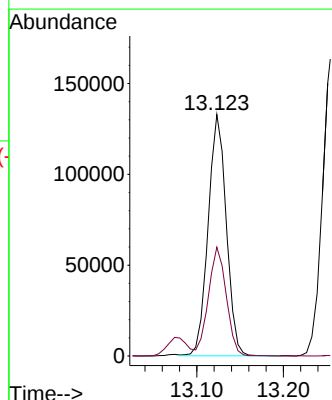
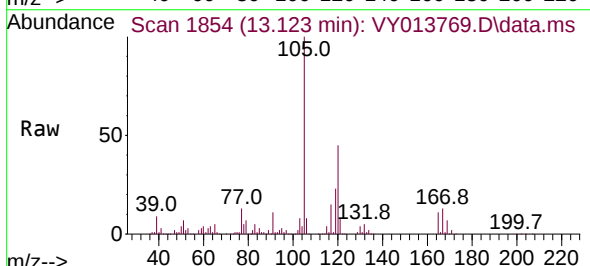
Acq: 17 May 2023 10:59

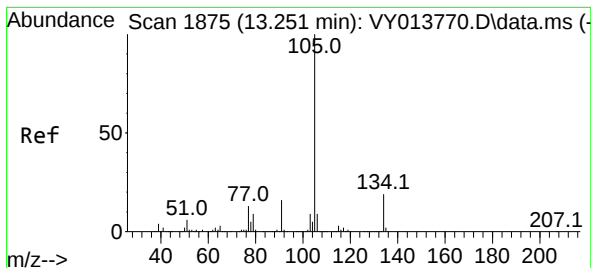
Tgt Ion:105 Resp: 193486

Ion Ratio Lower Upper

105 100

120 44.2 22.2 66.6





#85

sec-Butylbenzene

Concen: 19.641 ug/l

RT: 13.257 min Scan# 1875

Delta R.T. 0.006 min

Lab File: VY013769.D

Acq: 17 May 2023 10:59

Instrument :

MSVOA_Y

ClientSampleId :

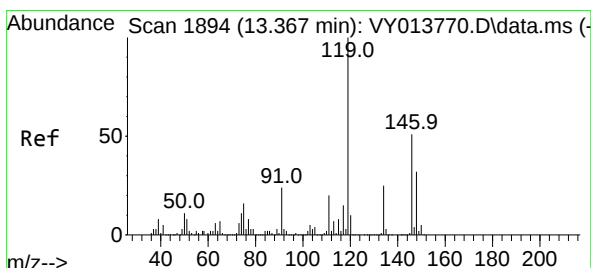
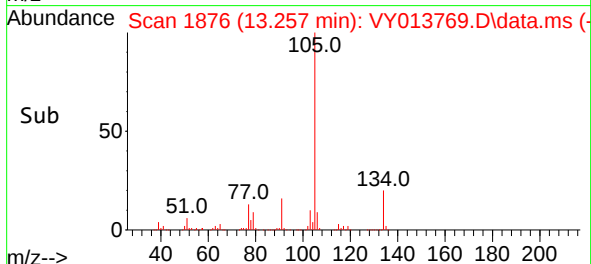
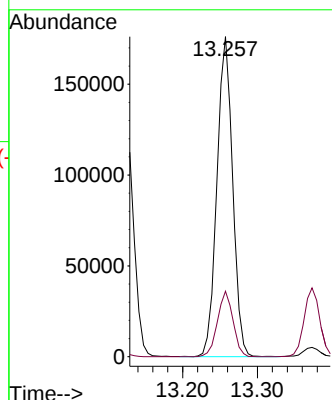
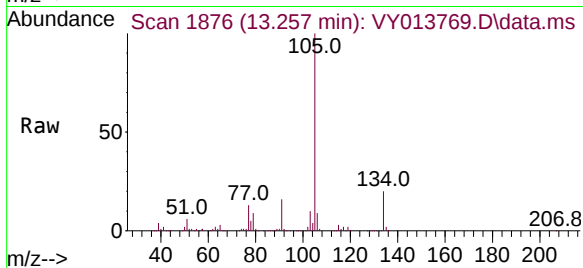
VSTDIC020

Tgt Ion:105 Resp: 257824

Ion Ratio Lower Upper

105 100

134 20.2 9.9 29.7



#86

p-Isopropyltoluene

Concen: 19.776 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.006 min

Lab File: VY013769.D

Acq: 17 May 2023 10:59

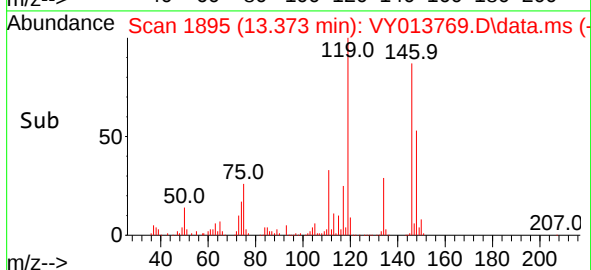
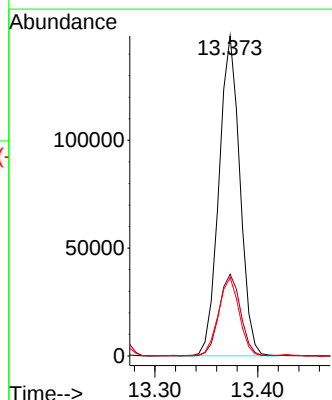
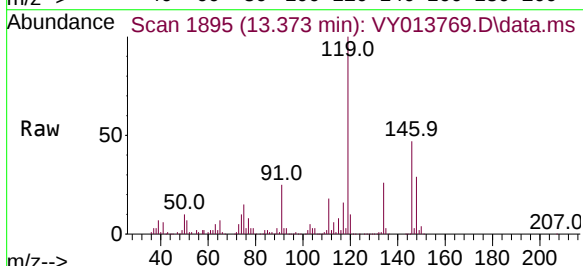
Tgt Ion:119 Resp: 209625

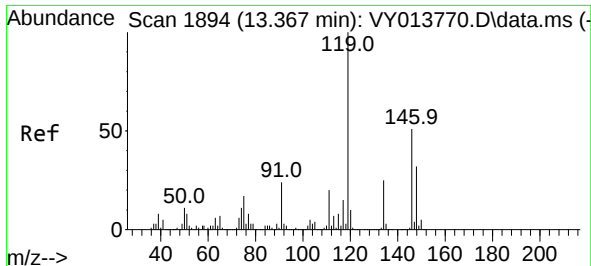
Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

91 24.1 11.8 35.4

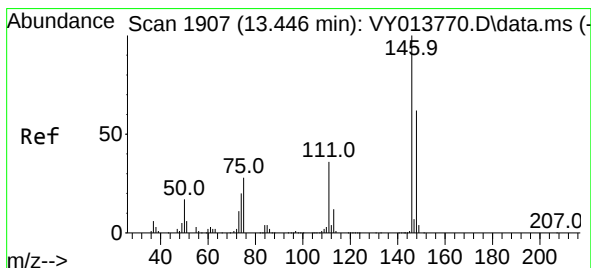
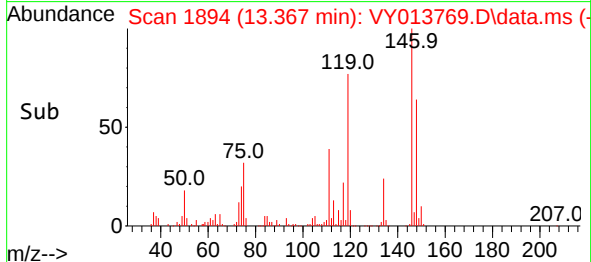
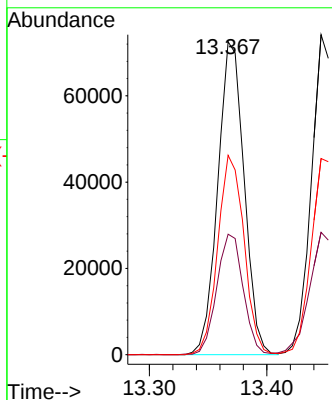
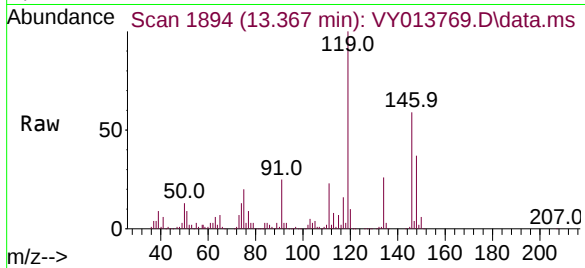




#87
1,3-Dichlorobenzene
Concen: 19.680 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. -0.000 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

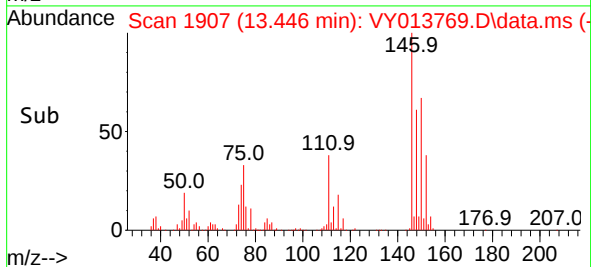
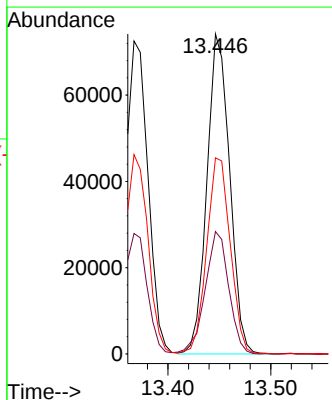
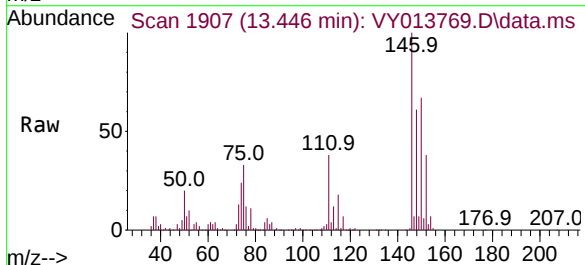
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

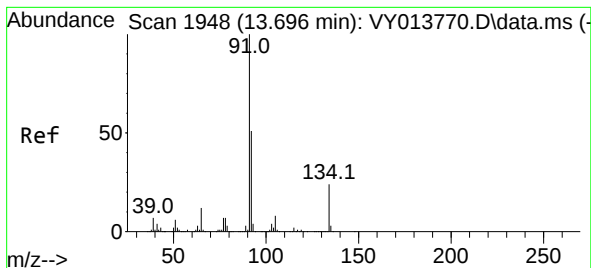
Tgt Ion:146 Resp: 113236
Ion Ratio Lower Upper
146 100
111 38.6 19.7 59.0
148 63.4 31.9 95.7



#88
1,4-Dichlorobenzene
Concen: 19.741 ug/l
RT: 13.446 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

Tgt Ion:146 Resp: 114216
Ion Ratio Lower Upper
146 100
111 39.8 18.9 56.7
148 63.5 31.6 94.7





#89

n-Butylbenzene

Concen: 19.443 ug/l

RT: 13.702 min Scan# 1949

Delta R.T. 0.006 min

Lab File: VY013769.D

Acq: 17 May 2023 10:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

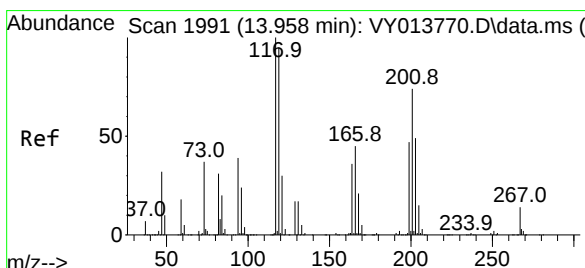
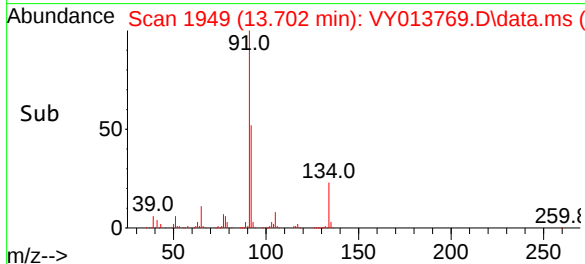
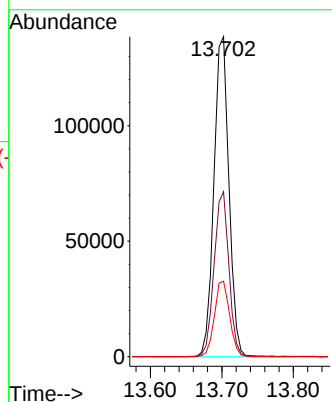
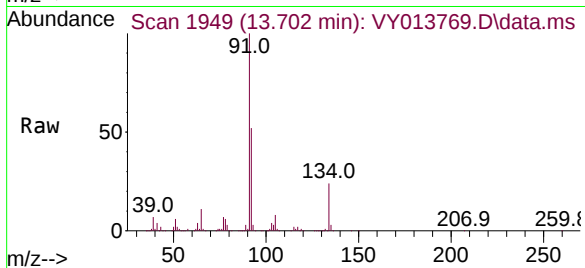
Tgt Ion: 91 Resp: 202061

Ion Ratio Lower Upper

91 100

92 50.8 25.4 76.4

134 23.9 12.2 36.6



#90

Hexachloroethane

Concen: 19.770 ug/l

RT: 13.964 min Scan# 1992

Delta R.T. 0.006 min

Lab File: VY013769.D

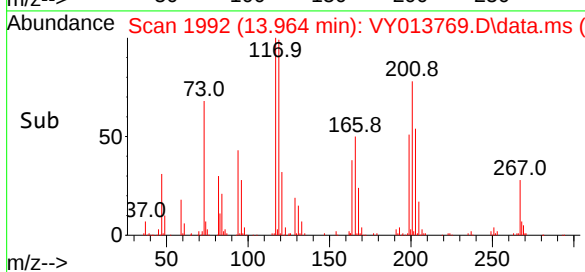
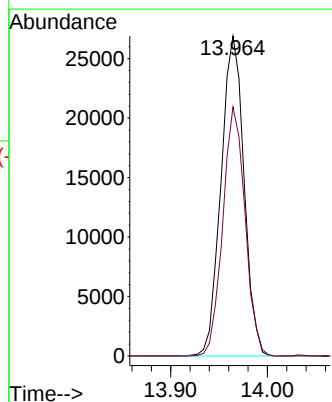
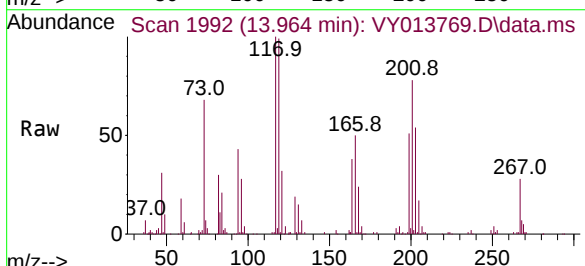
Acq: 17 May 2023 10:59

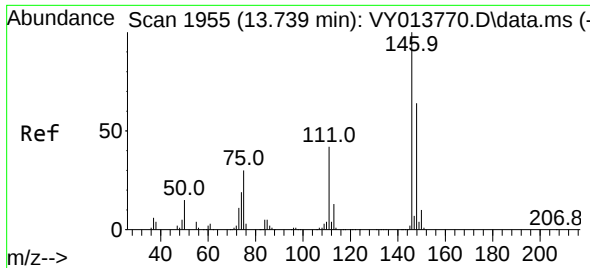
Tgt Ion: 117 Resp: 44285

Ion Ratio Lower Upper

117 100

201 75.4 39.2 117.6

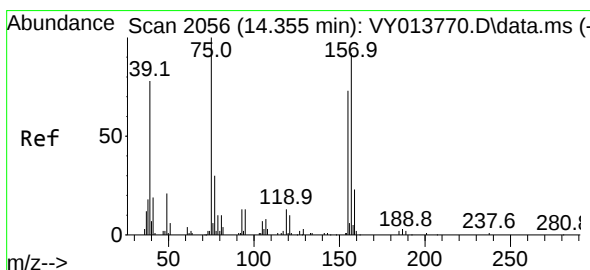
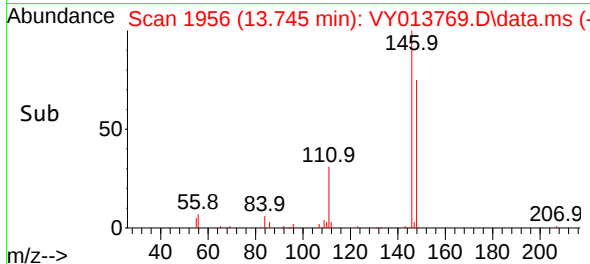
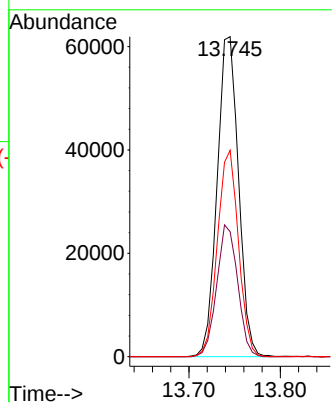
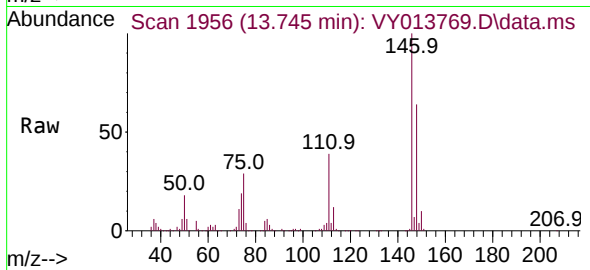




#91
1,2-Dichlorobenzene
Concen: 19.657 ug/l
RT: 13.745 min Scan# 1955
Delta R.T. 0.006 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

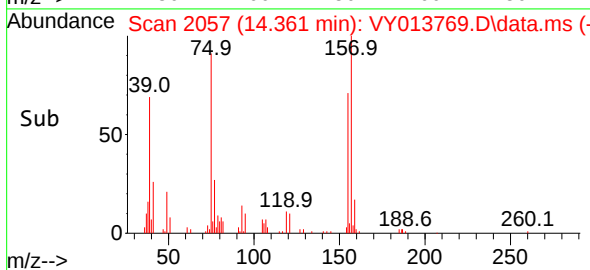
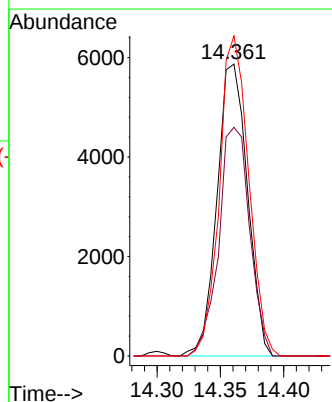
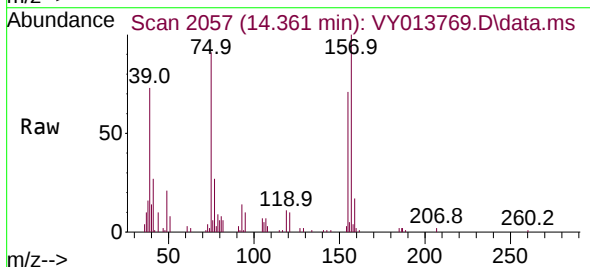
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

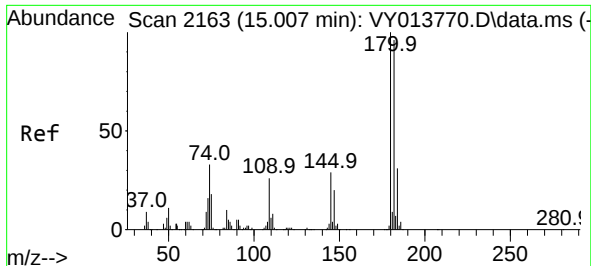
Tgt Ion:146 Resp: 100717
Ion Ratio Lower Upper
146 100
111 40.4 20.0 59.9
148 63.5 31.9 95.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.866 ug/l
RT: 14.361 min Scan# 2057
Delta R.T. 0.006 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

Tgt Ion: 75 Resp: 9813
Ion Ratio Lower Upper
75 100
155 79.8 39.1 117.3
157 105.6 50.2 150.7

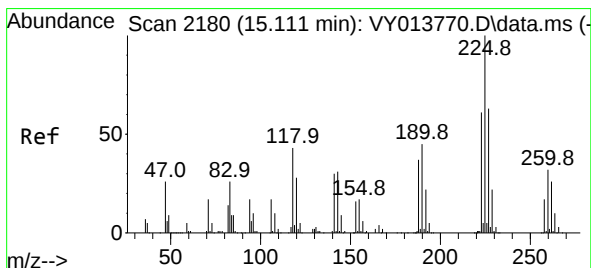
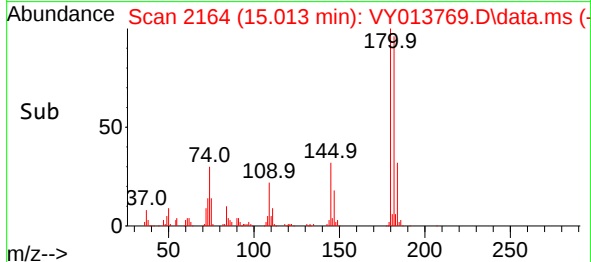
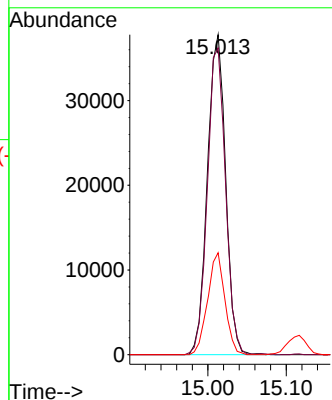
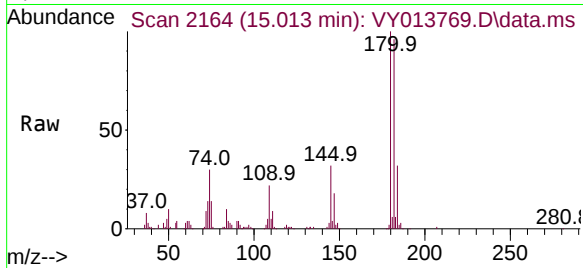




#93
1,2,4-Trichlorobenzene
Concen: 20.043 ug/l
RT: 15.013 min Scan# 2164
Delta R.T. 0.006 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

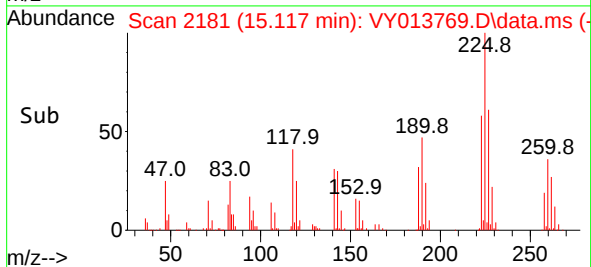
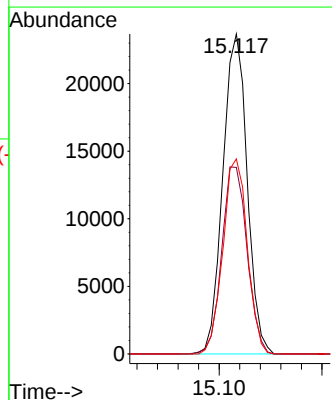
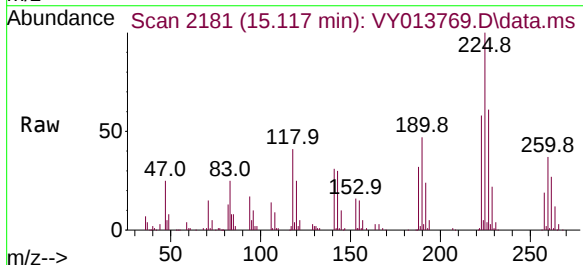
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

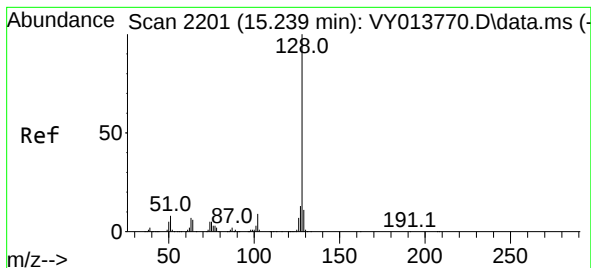
Tgt Ion:180 Resp: 60942
Ion Ratio Lower Upper
180 100
182 95.6 47.4 142.3
145 30.2 14.9 44.9



#94
Hexachlorobutadiene
Concen: 20.548 ug/l
RT: 15.117 min Scan# 2181
Delta R.T. 0.006 min
Lab File: VY013769.D
Acq: 17 May 2023 10:59

Tgt Ion:225 Resp: 38812
Ion Ratio Lower Upper
225 100
223 60.8 30.6 91.6
227 61.2 31.6 94.7





#95

Naphthalene

Concen: 19.993 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. -0.000 min

Lab File: VY013769.D

Acq: 17 May 2023 10:59

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC020

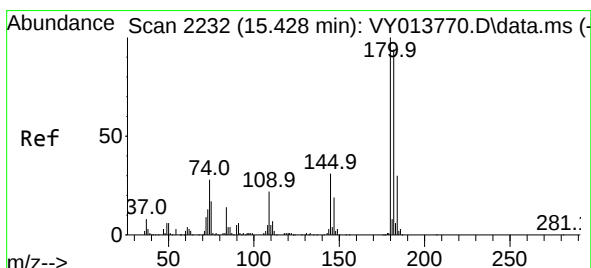
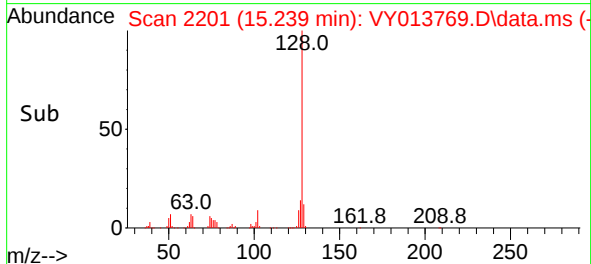
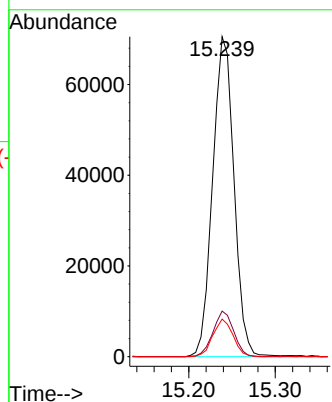
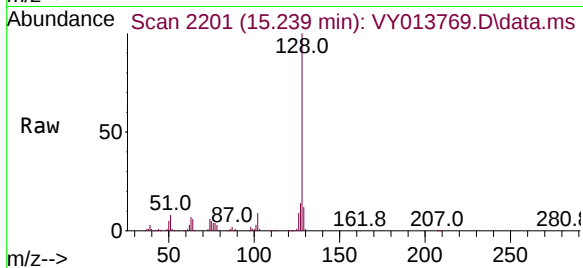
Tgt Ion:128 Resp: 120650

Ion Ratio Lower Upper

128 100

127 13.9 10.8 16.2

129 11.1 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 20.283 ug/l

RT: 15.428 min Scan# 2232

Delta R.T. -0.000 min

Lab File: VY013769.D

Acq: 17 May 2023 10:59

Tgt Ion:180 Resp: 55488

Ion Ratio Lower Upper

180 100

182 93.6 47.8 143.4

145 31.5 15.6 46.7

