

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083123\
 Data File : VY015393.D
 Acq On : 31 Aug 2023 11:02
 Operator : SY/MD
 Sample : VY0831SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 01 00:43:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	159204	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	265970	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	243162	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	123543	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	78188	45.814	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.620%
35) Dibromofluoromethane	7.716	113	71637	46.763	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.520%
50) Toluene-d8	10.179	98	255743	46.099	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.200%
62) 4-Bromofluorobenzene	12.483	95	93391	45.346	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.700%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	26250	18.968	ug/l	94
3) Chloromethane	2.107	50	37372	20.334	ug/l	99
4) Vinyl Chloride	2.247	62	41788	19.534	ug/l	99
5) Bromomethane	2.656	94	35393	23.252	ug/l	100
6) Chloroethane	2.790	64	28515	20.279	ug/l	96
7) Trichlorofluoromethane	3.119	101	60267	19.917	ug/l	96
8) Diethyl Ether	3.528	74	22121	21.391	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.893	101	33228	19.812	ug/l	97
10) Methyl Iodide	4.088	142	33384	16.950	ug/l	100
11) Tert butyl alcohol	4.924	59	16173	26.694	ug/l #	89
12) 1,1-Dichloroethene	3.863	96	31803	20.095	ug/l	90
13) Acrolein	3.735	56	27899	67.747	ug/l	95
14) Allyl chloride	4.473	41	51957	20.620	ug/l	97
15) Acrylonitrile	5.174	53	58227	89.479	ug/l	98
16) Acetone	3.973	43	58679	82.374	ug/l	92
17) Carbon Disulfide	4.186	76	90542	19.137	ug/l	99
18) Methyl Acetate	4.485	43	44493	17.244	ug/l	94
19) Methyl tert-butyl Ether	5.222	73	102081	19.846	ug/l	98
20) Methylene Chloride	4.710	84	53476	19.132	ug/l	96
21) trans-1,2-Dichloroethene	5.216	96	36529	20.044	ug/l	98
22) Diisopropyl ether	6.119	45	117031	21.236	ug/l	98
23) Vinyl Acetate	6.058	43	344796	99.095	ug/l	95
24) 1,1-Dichloroethane	6.015	63	67334	21.136	ug/l	98
25) 2-Butanone	6.996	43	86527	85.641	ug/l	100
26) 2,2-Dichloropropane	6.984	77	61021	22.552	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	43423	21.004	ug/l	97
28) Bromochloromethane	7.332	49	21620	22.131	ug/l	96
29) Tetrahydrofuran	7.356	42	51945	81.872	ug/l	94
30) Chloroform	7.509	83	71744	21.423	ug/l	97
31) Cyclohexane	7.783	56	57453	18.952	ug/l	86
32) 1,1,1-Trichloroethane	7.704	97	61262	20.480	ug/l	100
36) 1,1-Dichloropropene	7.917	75	51834	19.270	ug/l	100
37) Ethyl Acetate	7.076	43	37621	18.134	ug/l	97
38) Carbon Tetrachloride	7.899	117	53593	19.291	ug/l	99
39) Methylcyclohexane	9.185	83	62438	18.438	ug/l	93
40) Benzene	8.161	78	153488	20.452	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	18583	19.102	ug/l	89
42) 1,2-Dichloroethane	8.234	62	48933	19.554	ug/l	93
43) Isopropyl Acetate	8.277	43	65124	18.153	ug/l #	92
44) Trichloroethene	8.941	130	43026	20.263	ug/l	96
45) 1,2-Dichloropropane	9.216	63	39022	20.626	ug/l	96
46) Dibromomethane	9.307	93	24332	19.362	ug/l	95
47) Bromodichloromethane	9.496	83	54189	20.164	ug/l	96
48) Methyl methacrylate	9.289	41	29125	17.695	ug/l	92
49) 1,4-Dioxane	9.331	88	2721	116.568	ug/l #	36
51) 4-Methyl-2-Pentanone	10.069	43	183722	88.112	ug/l	96
52) Toluene	10.240	92	97466	20.263	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	55455	19.416	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	62575	20.141	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	34363	20.294	ug/l	96
56) Ethyl methacrylate	10.508	69	46904	18.692	ug/l	91
57) 1,3-Dichloropropane	10.788	76	57403	19.694	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	86391	96.457	ug/l	96
59) 2-Hexanone	10.831	43	134193	85.771	ug/l	93
60) Dibromochloromethane	10.984	129	38882	19.618	ug/l	98
61) 1,2-Dibromoethane	11.087	107	33063	19.270	ug/l	99
64) Tetrachloroethene	10.715	164	43818	19.853	ug/l	96
65) Chlorobenzene	11.514	112	106198	20.267	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	38364	20.004	ug/l	99
67) Ethyl Benzene	11.593	91	188717	20.057	ug/l	99
68) m/p-Xylenes	11.703	106	147347	40.402	ug/l	94
69) o-Xylene	12.026	106	69738	20.009	ug/l	97
70) Styrene	12.044	104	117232	20.004	ug/l	99
71) Bromoform	12.209	173	25173	18.816	ug/l #	100
73) Isopropylbenzene	12.331	105	184000	19.828	ug/l	100
74) N-amyl acetate	12.142	43	56800	18.219	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	41962	18.942	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	55656	33.972	ug/l #	100
77) Bromobenzene	12.611	156	44866	20.414	ug/l	98
78) n-propylbenzene	12.672	91	225674	20.098	ug/l	100
79) 2-Chlorotoluene	12.758	91	126178	20.034	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	154222	19.869	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	13346	17.970	ug/l	99
82) 4-Chlorotoluene	12.855	91	131554	20.098	ug/l	100
83) tert-Butylbenzene	13.075	119	132239	19.451	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	154546	20.054	ug/l	98
85) sec-Butylbenzene	13.251	105	201964	19.917	ug/l	100
86) p-Isopropyltoluene	13.367	119	167337	19.690	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	88490	20.394	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	89257	20.350	ug/l	98
89) n-Butylbenzene	13.696	91	159446	19.933	ug/l	98
90) Hexachloroethane	13.959	117	30688	20.190	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	79534	20.086	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7398	16.882	ug/l	88
93) 1,2,4-Trichlorobenzene	15.007	180	49400	19.865	ug/l	98
94) Hexachlorobutadiene	15.111	225	27306	20.137	ug/l	98
95) Naphthalene	15.233	128	113160	18.370	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	45219	19.936	ug/l	98

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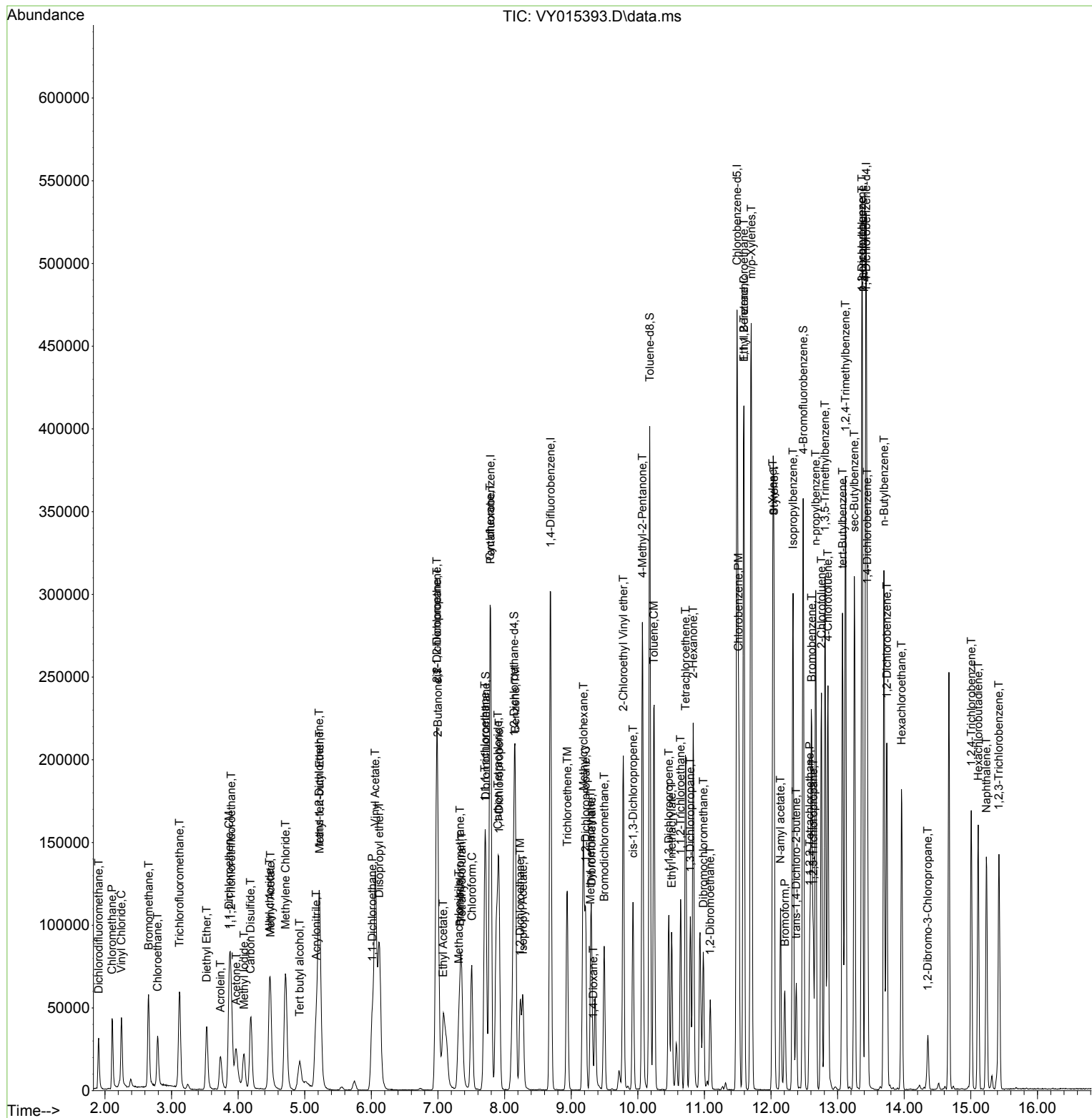
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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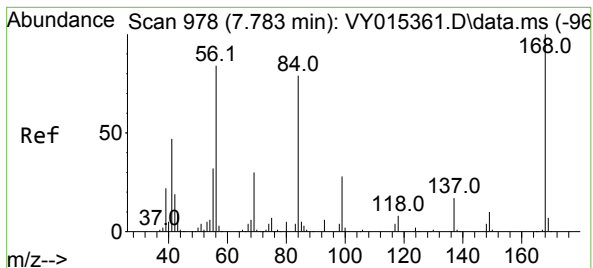
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.789 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY015393.D

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Instrument :

MSVOA_Y

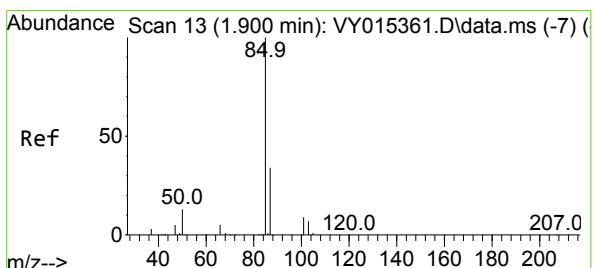
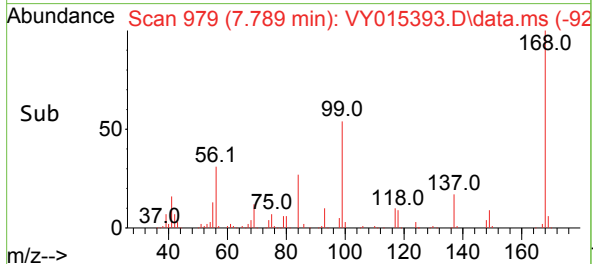
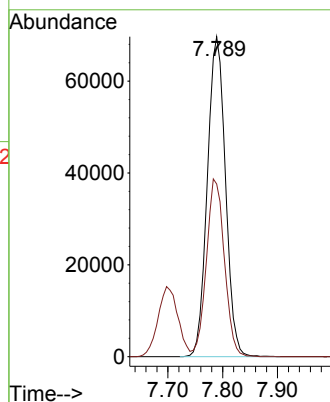
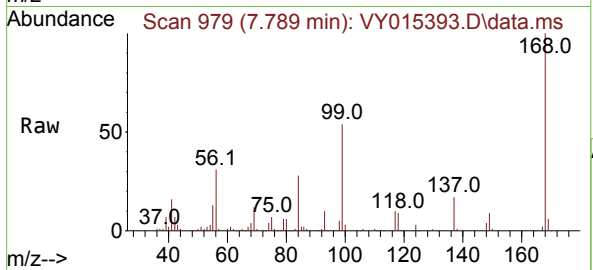
ClientSampleId :

Tgt Ion:168 Resp: 159204

Ion Ratio Lower Upper

168 100

99 54.0 43.4 65.0



#2

Dichlorodifluoromethane

Concen: 18.968 ug/l

RT: 1.906 min Scan# 14

Delta R.T. 0.006 min

Lab File: VY015393.D

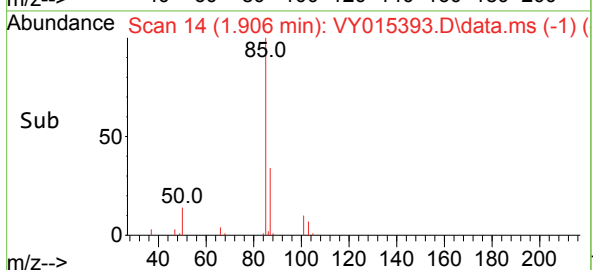
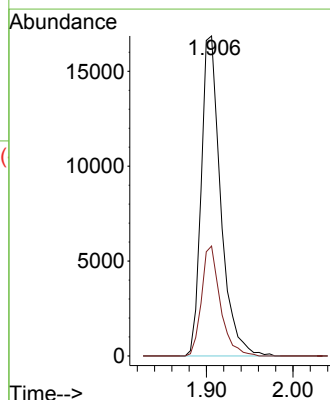
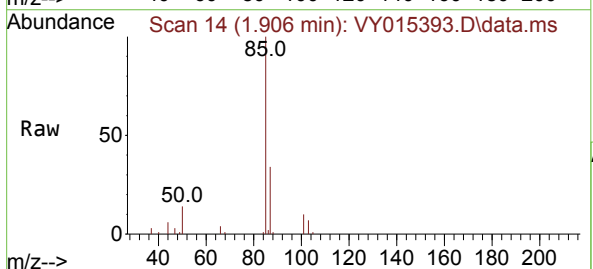
Acq: 31 Aug 2023 11:02

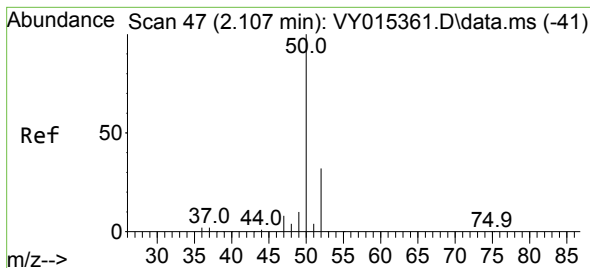
Tgt Ion: 85 Resp: 26250

Ion Ratio Lower Upper

85 100

87 34.4 15.6 46.8





#3

Chloromethane

Concen: 20.334 ug/l

RT: 2.107 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY015393.D

Acq: 31 Aug 2023 11:02

Instrument :

MSVOA_Y

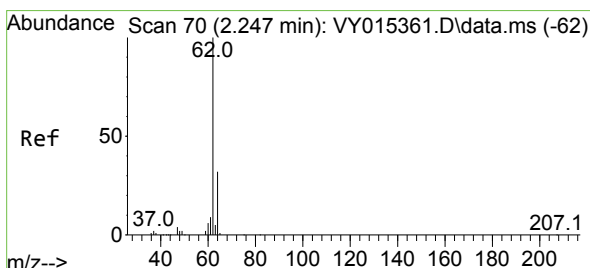
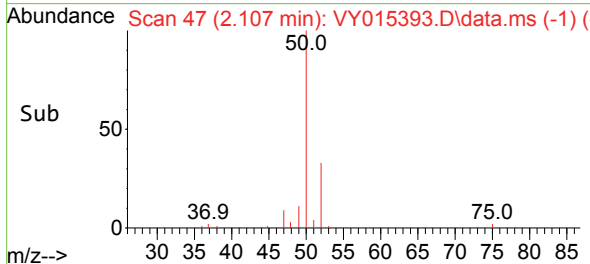
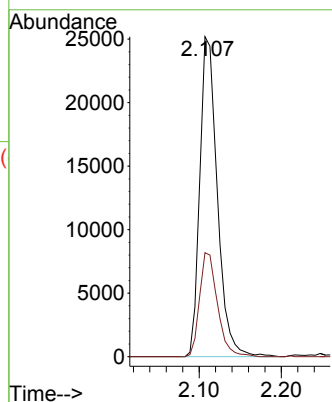
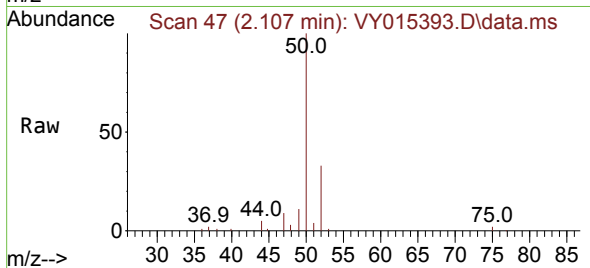
ClientSampleId :

Tgt Ion: 50 Resp: 37372

Ion Ratio Lower Upper

50 100

52 32.5 25.4 38.2



#4

Vinyl Chloride

Concen: 19.534 ug/l

RT: 2.247 min Scan# 70

Delta R.T. 0.006 min

Lab File: VY015393.D

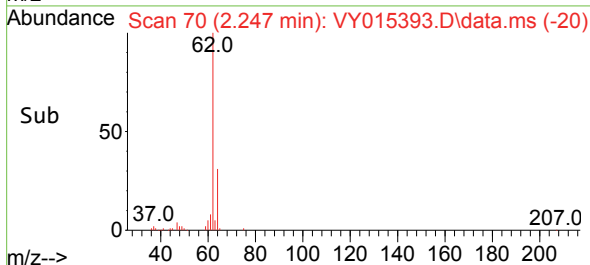
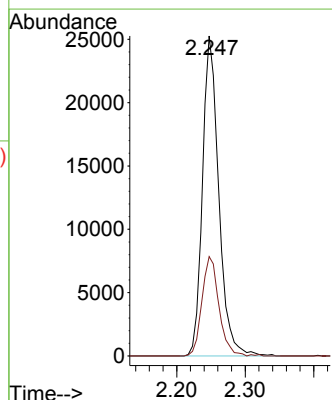
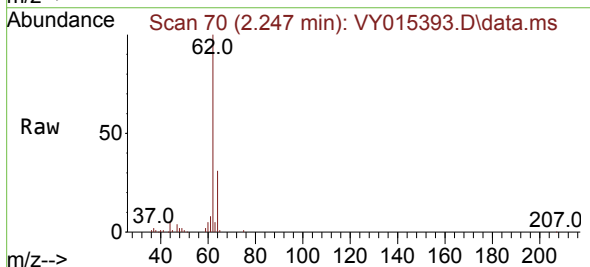
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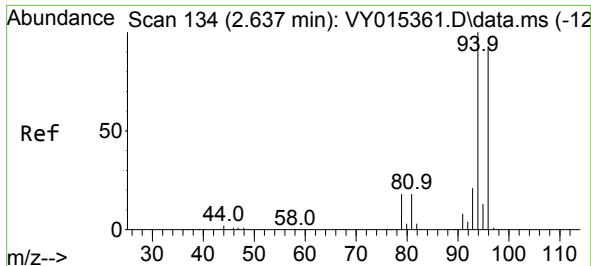
Tgt Ion: 62 Resp: 41788

Ion Ratio Lower Upper

62 100

64 31.1 24.3 36.5

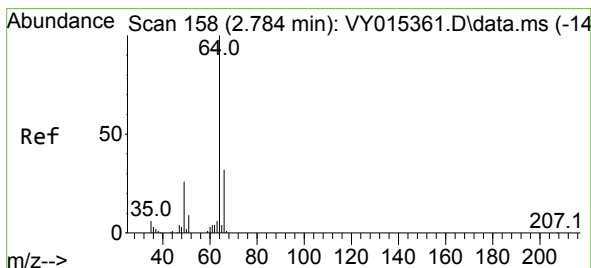
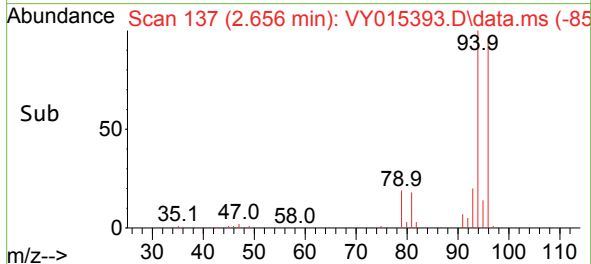
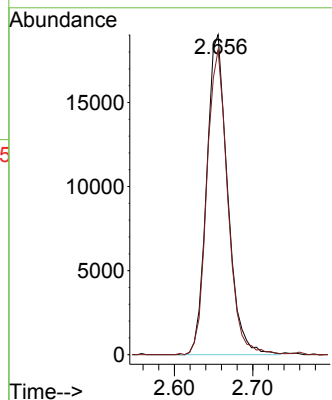
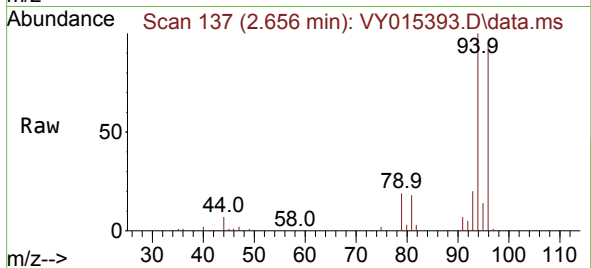




#5
Bromomethane
Concen: 23.252 ug/l
RT: 2.656 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY015393.D
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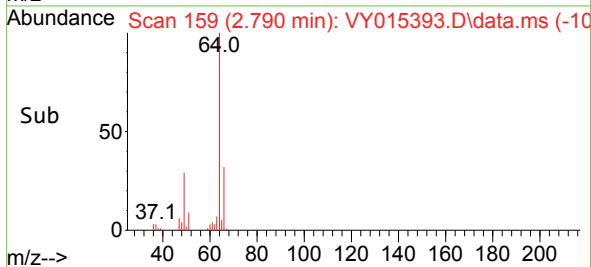
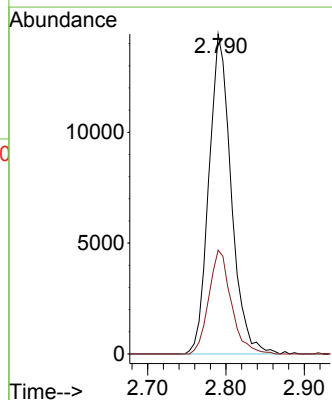
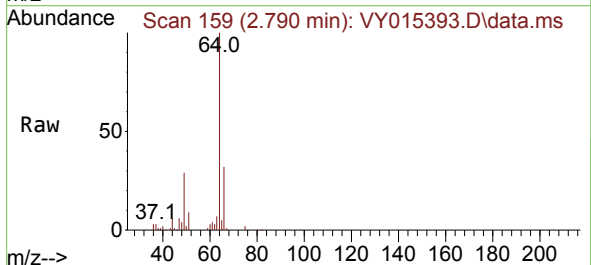
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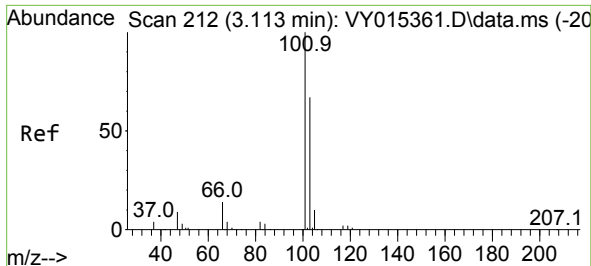
Tgt Ion: 94 Resp: 35393
Ion Ratio Lower Upper
94 100
96 94.9 75.8 113.6



#6
Chloroethane
Concen: 20.279 ug/l
RT: 2.790 min Scan# 159
Delta R.T. 0.006 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

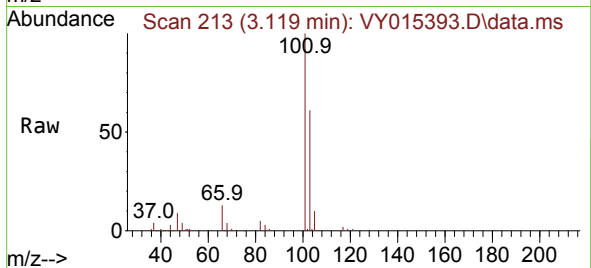
Tgt Ion: 64 Resp: 28515
Ion Ratio Lower Upper
64 100
66 32.4 24.4 36.6



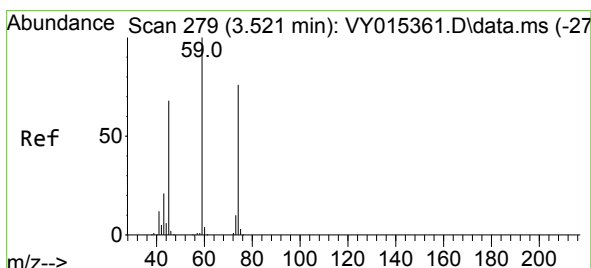
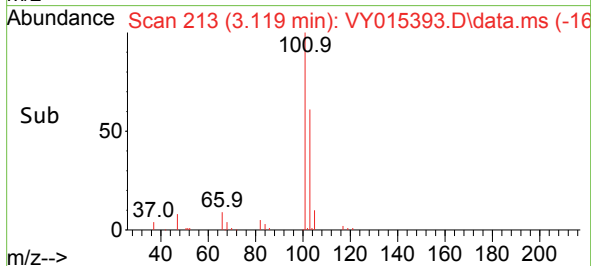
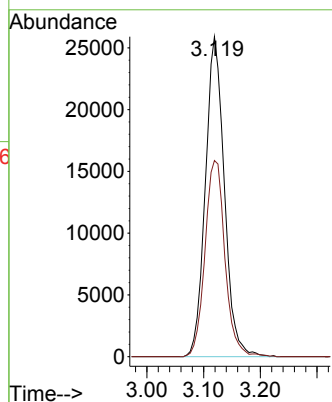


#7
 Trichlorofluoromethane
 Concen: 19.917 ug/l
 RT: 3.119 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY015393.D
 Acq: 31 Aug 2023 11:02

Instrument :
 MSVOA_Y
 ClientSampleId :

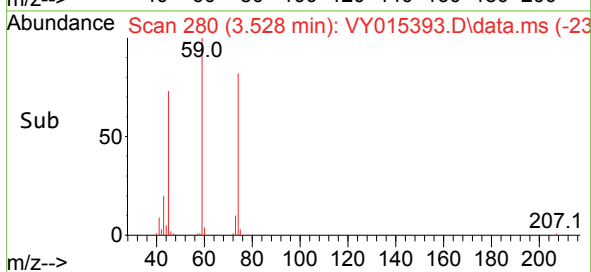
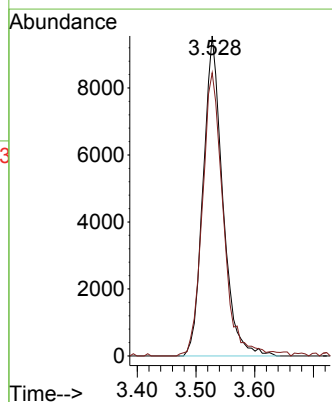
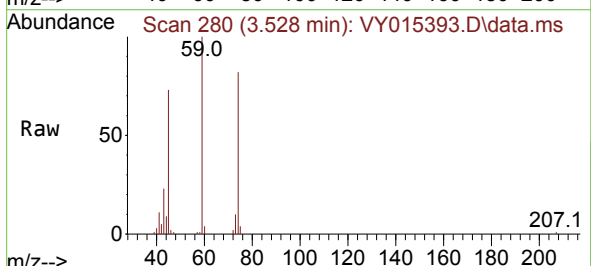


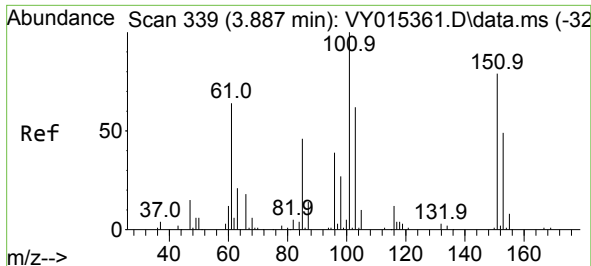
Tgt Ion:101 Resp: 60267
 Ion Ratio Lower Upper
 101 100
 103 61.3 51.4 77.0



#8
 Diethyl Ether
 Concen: 21.391 ug/l
 RT: 3.528 min Scan# 280
 Delta R.T. 0.006 min
 Lab File: VY015393.D
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Tgt Ion: 74 Resp: 22121
 Ion Ratio Lower Upper
 74 100
 45 94.0 51.5 154.5

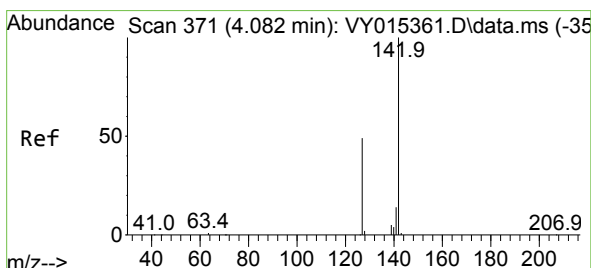
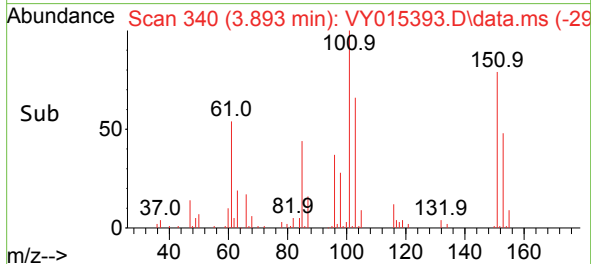
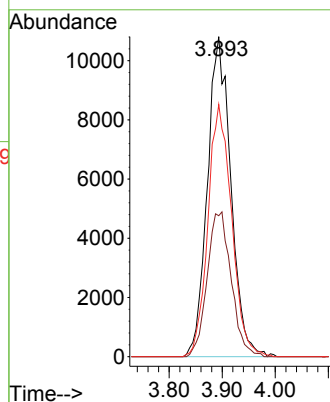
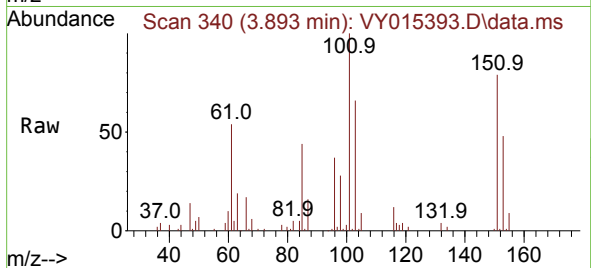




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.812 ug/l
RT: 3.893 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

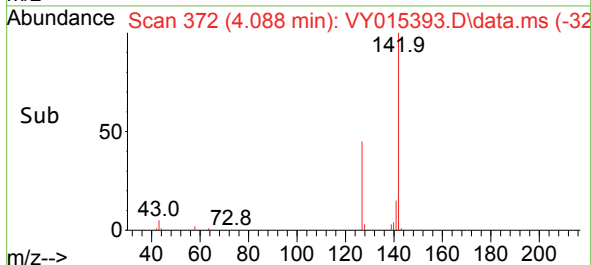
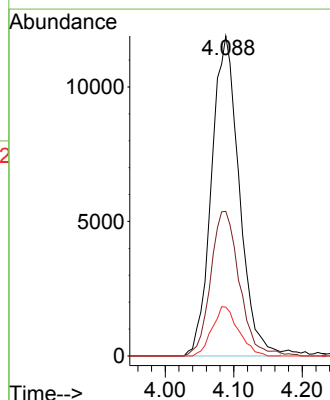
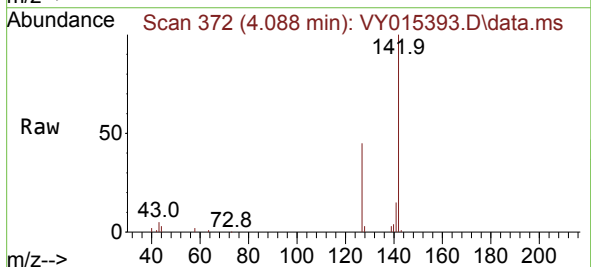
Instrument :
MSVOA_Y
ClientSampleId :

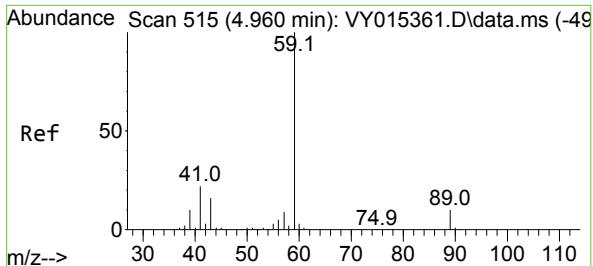
Tgt Ion:101 Resp: 33228
Ion Ratio Lower Upper
101 100
85 46.3 36.6 55.0
151 79.6 67.0 100.6



#10
Methyl Iodide
Concen: 16.950 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.006 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

Tgt Ion:142 Resp: 33384
Ion Ratio Lower Upper
142 100
127 47.0 37.6 56.4
141 14.7 11.8 17.8





#11

Tert butyl alcohol

Concen: 26.694 ug/l

RT: 4.924 min Scan# 509

Delta R.T. -0.030 min

Lab File: VY015393.D

Acq: 31 Aug 2023 11:02

Instrument :

MSVOA_Y

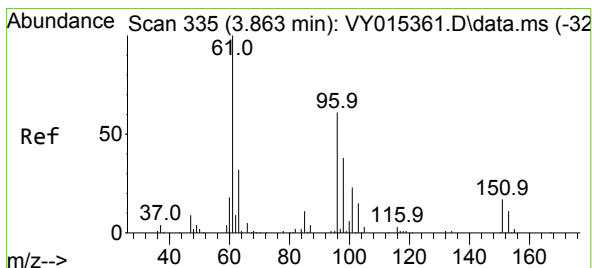
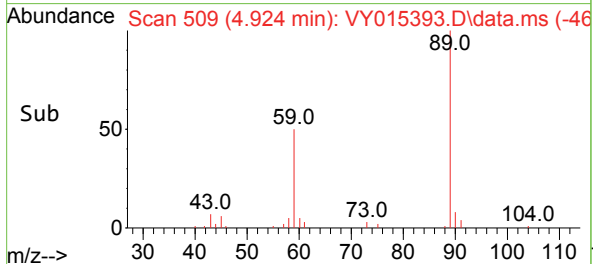
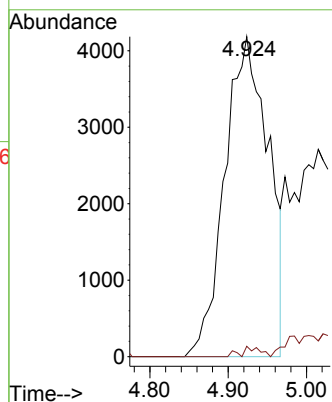
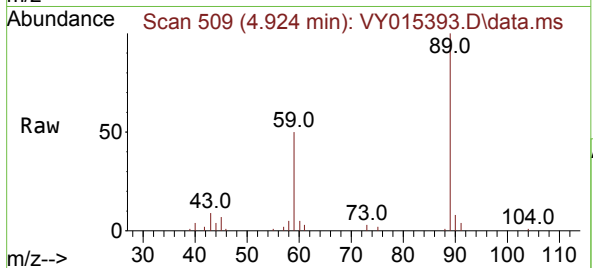
ClientSampleId :

Tgt Ion: 59 Resp: 16173

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#12

1,1-Dichloroethene

Concen: 20.095 ug/l

RT: 3.863 min Scan# 335

Delta R.T. 0.000 min

Lab File: VY015393.D

Acq: 31 Aug 2023 11:02

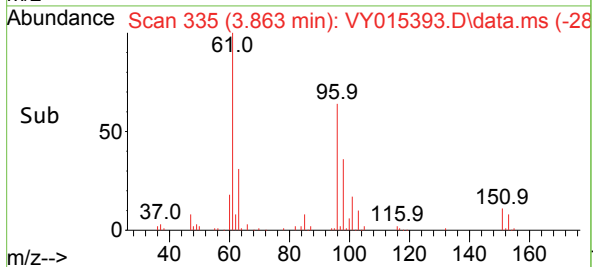
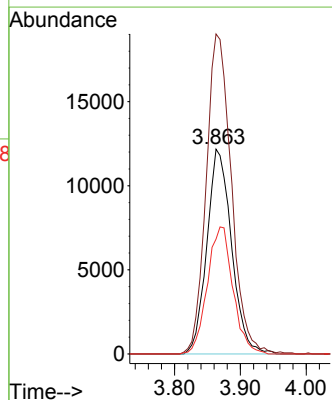
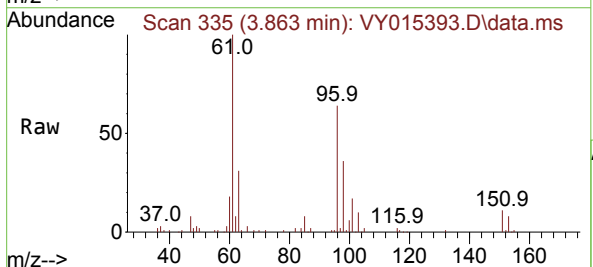
Tgt Ion: 96 Resp: 31803

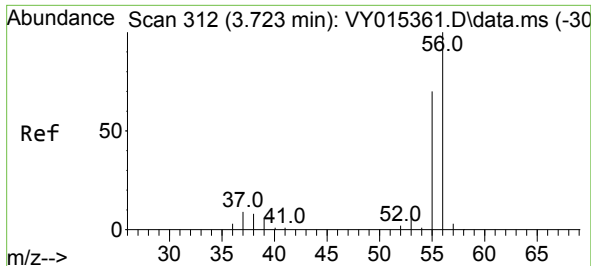
Ion Ratio Lower Upper

96 100

61 156.2 136.4 204.6

98 56.0 49.4 74.2

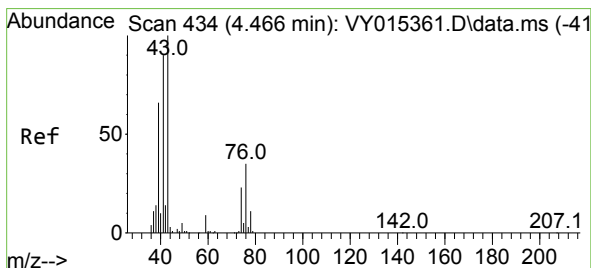
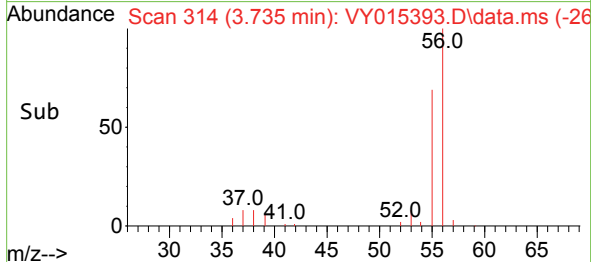
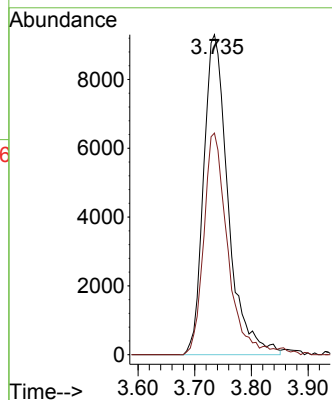
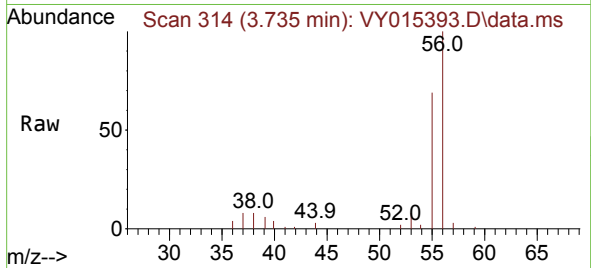




#13
Acrolein
Concen: 67.747 ug/l
RT: 3.735 min Scan# 312
Delta R.T. 0.012 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

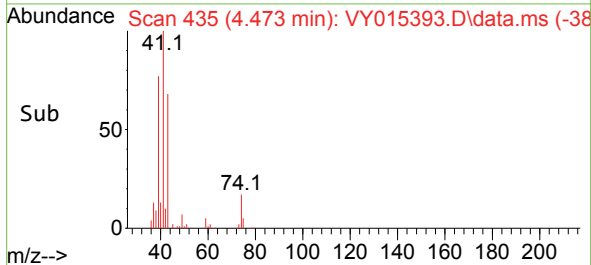
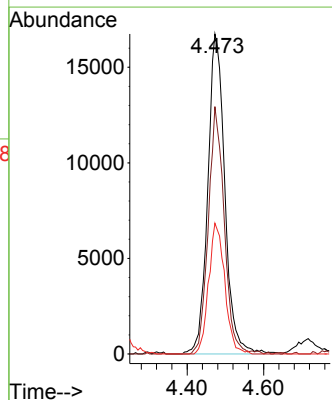
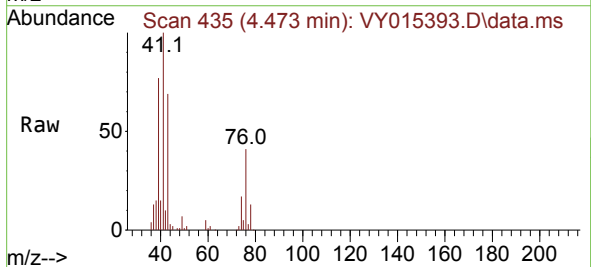
Instrument :
MSVOA_Y
ClientSampleId :

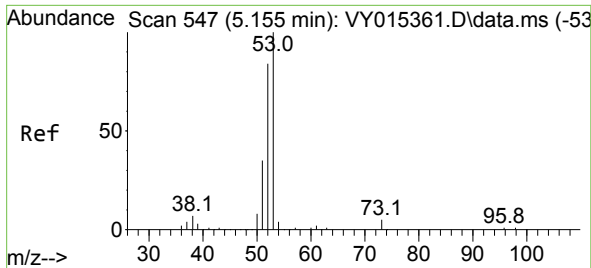
Tgt Ion: 56 Resp: 27899
Ion Ratio Lower Upper
56 100
55 67.3 57.0 85.4



#14
Allyl chloride
Concen: 20.620 ug/l
RT: 4.473 min Scan# 435
Delta R.T. 0.000 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

Tgt Ion: 41 Resp: 51957
Ion Ratio Lower Upper
41 100
39 71.5 58.0 87.0
76 38.6 27.4 41.2

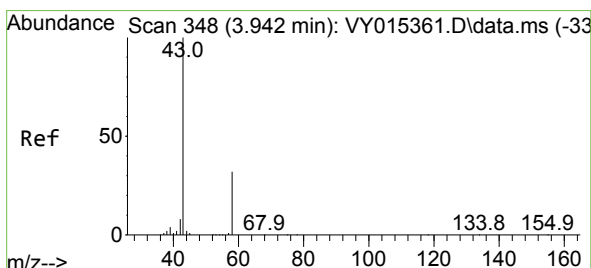
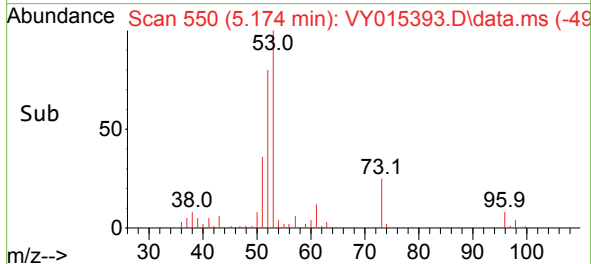
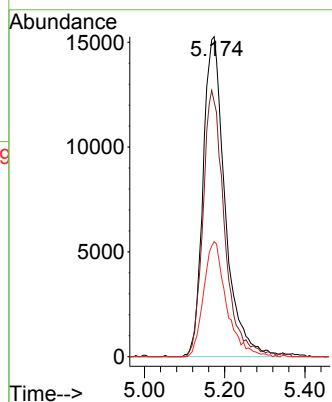
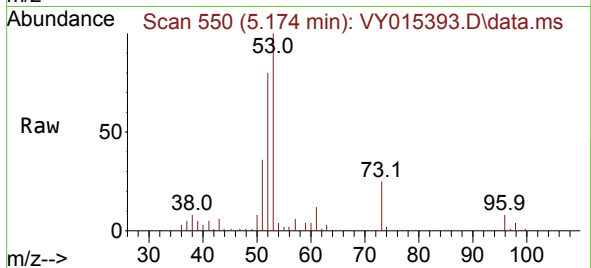




#15
Acrylonitrile
Concen: 89.479 ug/l
RT: 5.174 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

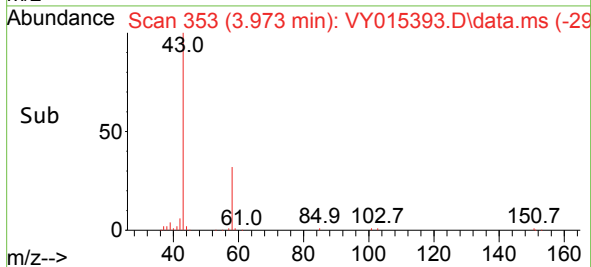
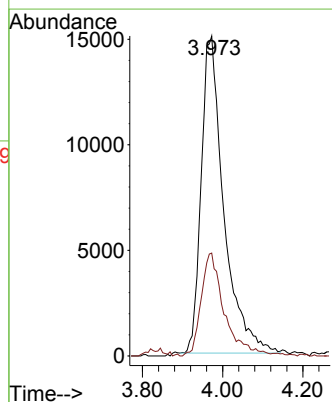
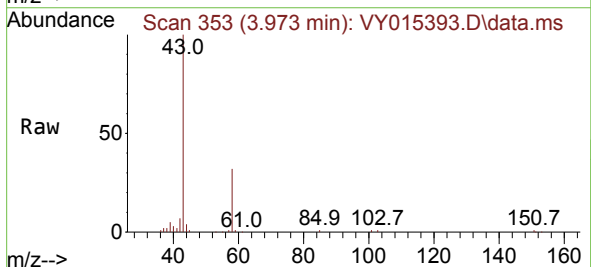
Instrument :
MSVOA_Y
ClientSampleId :

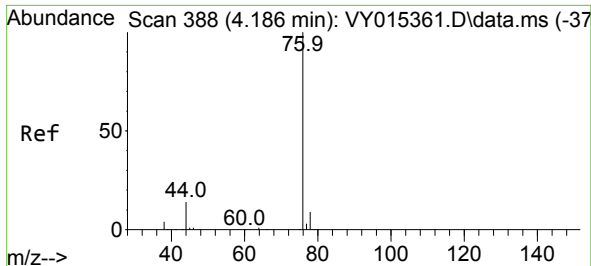
Tgt Ion: 53 Resp: 58227
Ion Ratio Lower Upper
53 100
52 81.4 66.9 100.3
51 37.4 29.8 44.6



#16
Acetone
Concen: 82.374 ug/l
RT: 3.973 min Scan# 353
Delta R.T. 0.031 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

Tgt Ion: 43 Resp: 58679
Ion Ratio Lower Upper
43 100
58 32.4 22.7 34.1

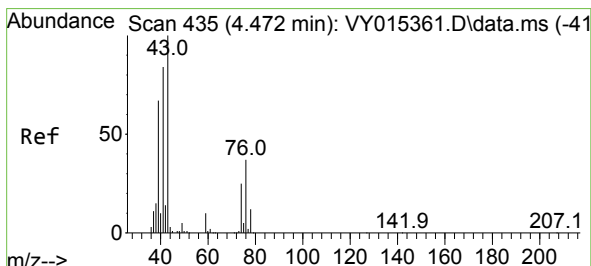
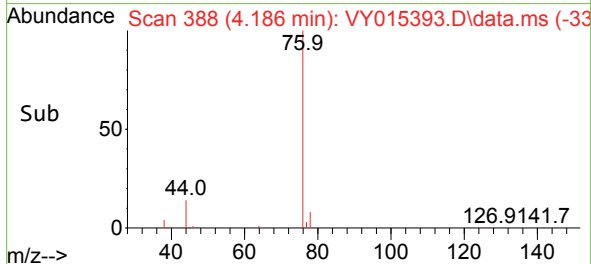
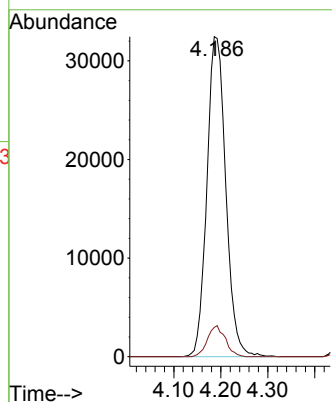
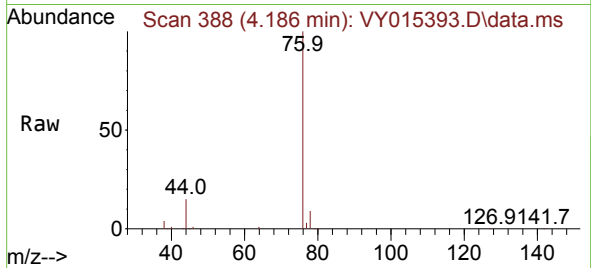




#17
Carbon Disulfide
Concen: 19.137 ug/l
RT: 4.186 min Scan# 388
Delta R.T. 0.000 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

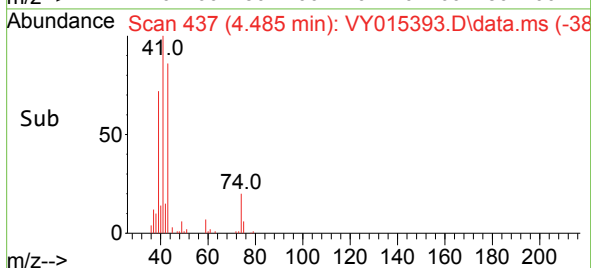
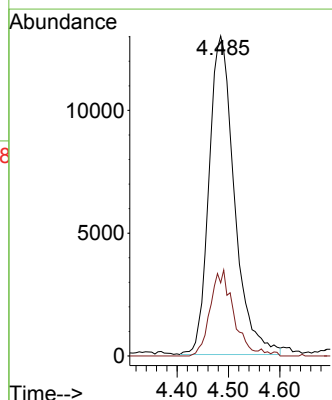
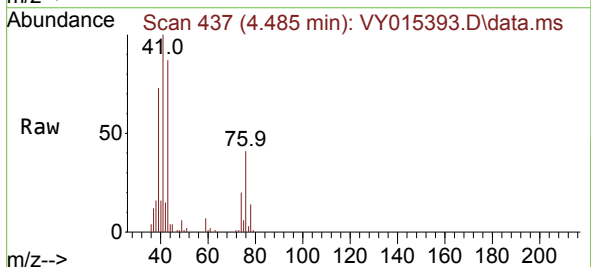
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 76 Resp: 90542
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.4



#18
Methyl Acetate
Concen: 17.244 ug/l
RT: 4.485 min Scan# 437
Delta R.T. 0.012 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

Tgt Ion: 43 Resp: 44493
Ion Ratio Lower Upper
43 100
74 24.3 17.4 26.0

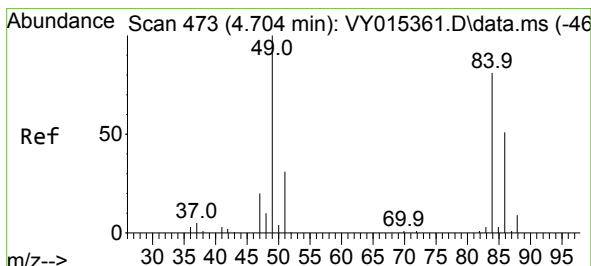
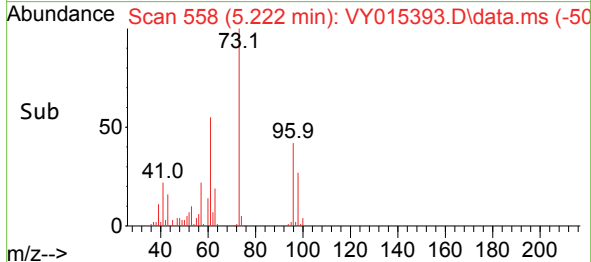
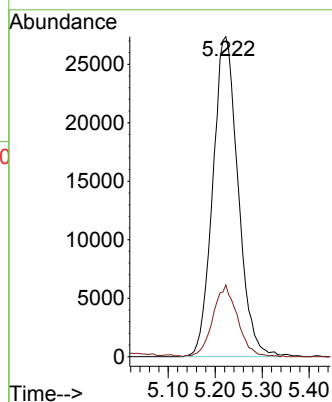
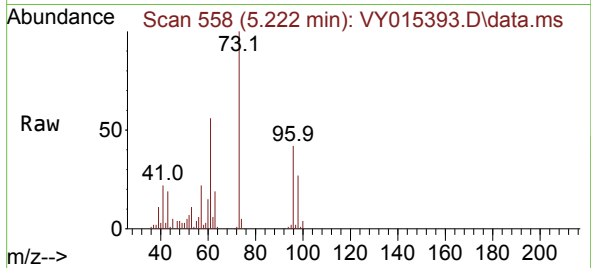




#19
Methyl tert-butyl Ether
Concen: 19.846 ug/l
RT: 5.222 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

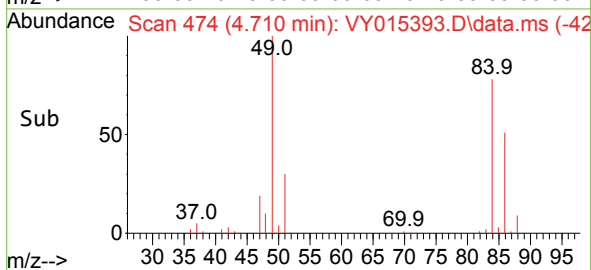
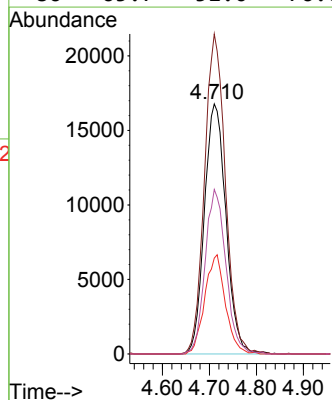
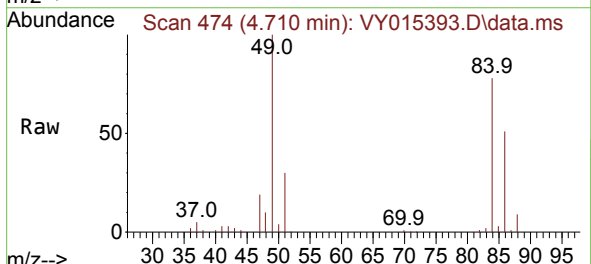
Instrument :
MSVOA_Y
ClientSampleId :

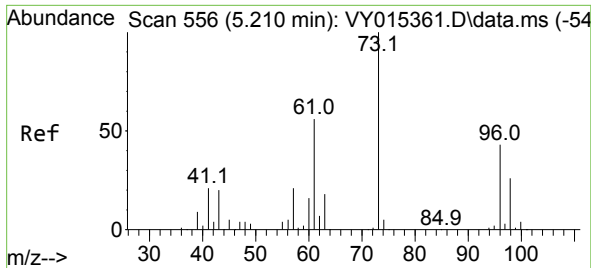
Tgt Ion: 73 Resp: 102081
Ion Ratio Lower Upper
73 100
57 22.4 17.3 25.9



#20
Methylene Chloride
Concen: 19.132 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

Tgt Ion: 84 Resp: 53476
Ion Ratio Lower Upper
84 100
49 127.9 106.9 160.3
51 38.3 33.2 49.8
86 65.7 51.0 76.6

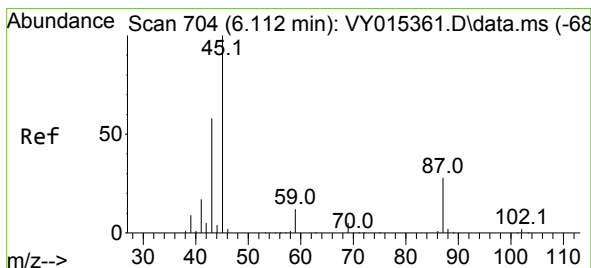
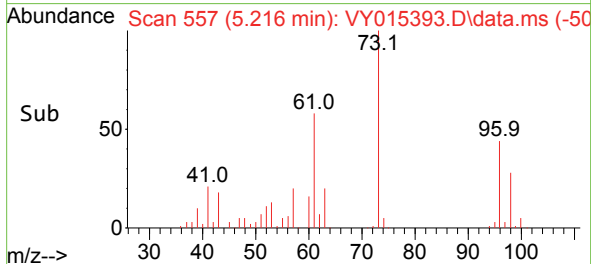
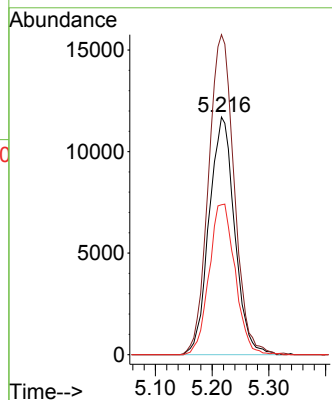
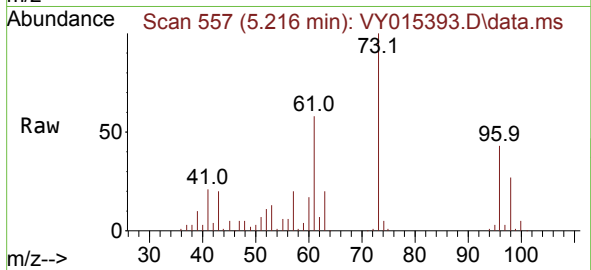




#21
trans-1,2-Dichloroethene
Concen: 20.044 ug/l
RT: 5.216 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

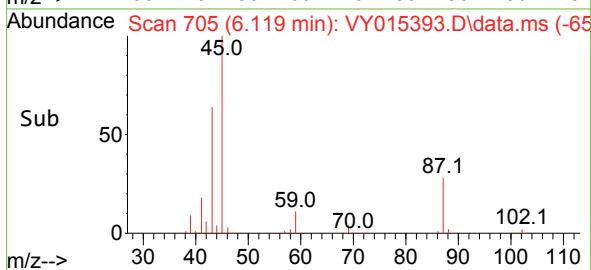
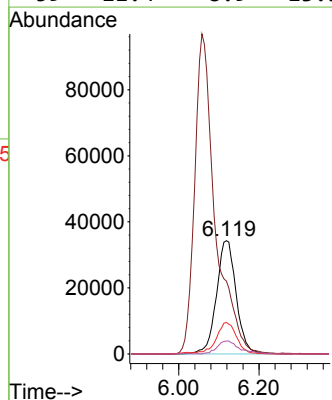
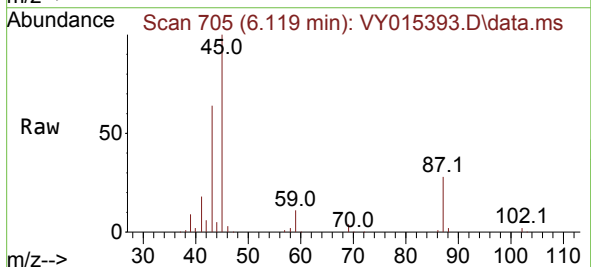
Instrument :
MSVOA_Y
ClientSampleId :

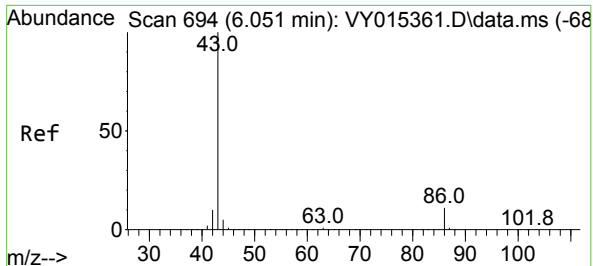
Tgt Ion: 96 Resp: 36529
Ion Ratio Lower Upper
96 100
61 134.6 110.2 165.4
98 63.1 51.8 77.6



#22
Diisopropyl ether
Concen: 21.236 ug/l
RT: 6.119 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

Tgt Ion: 45 Resp: 117031
Ion Ratio Lower Upper
45 100
43 63.7 52.2 78.4
87 27.8 21.0 31.6
59 11.4 8.9 13.3

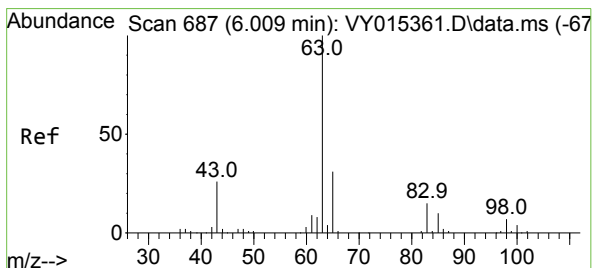
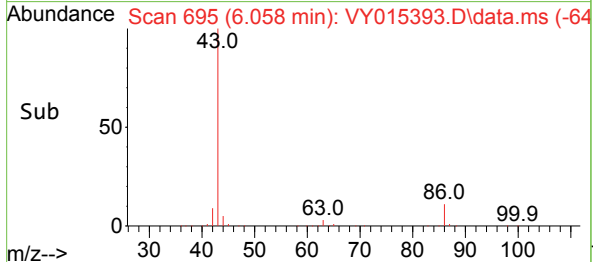
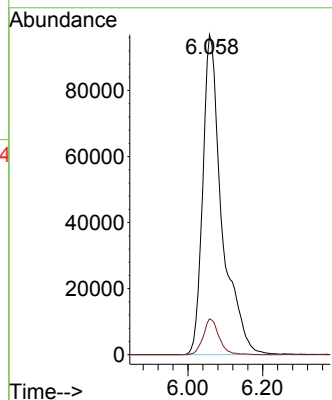
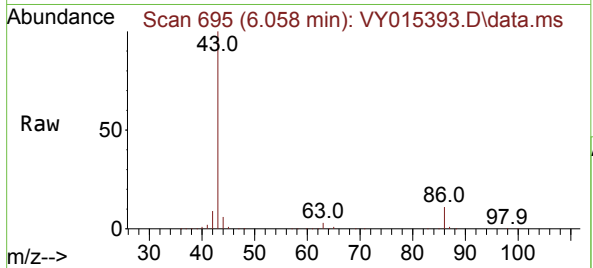




#23
 Vinyl Acetate
 Concen: 99.095 ug/l
 RT: 6.058 min Scan# 695
 Delta R.T. 0.006 min
 Lab File: VY015393.D
 Acq: 31 Aug 2023 11:02

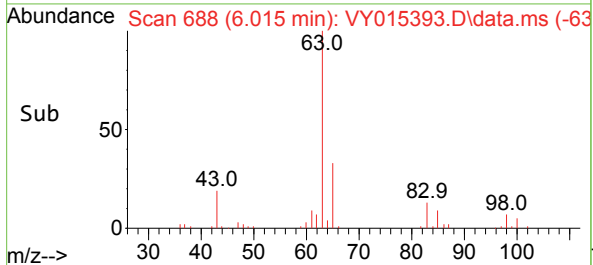
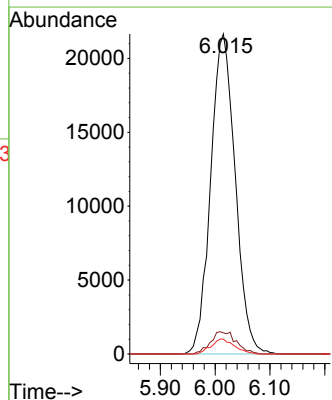
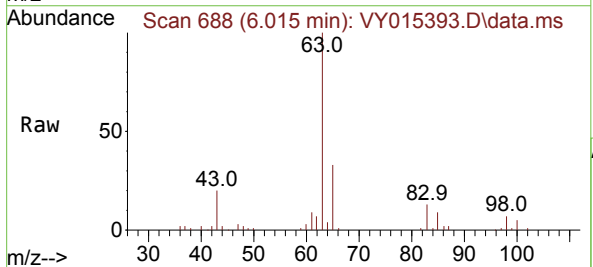
Instrument :
 MSVOA_Y
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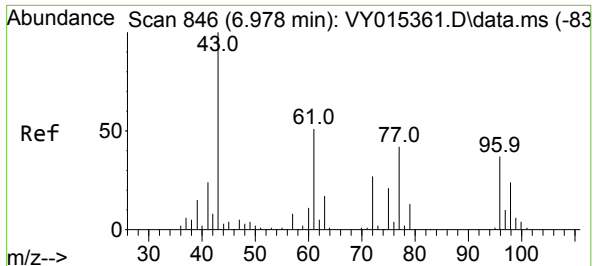
Tgt Ion: 43 Resp: 344796
 Ion Ratio Lower Upper
 43 100
 86 11.2 7.5 11.3



#24
 1,1-Dichloroethane
 Concen: 21.136 ug/l
 RT: 6.015 min Scan# 688
 Delta R.T. 0.012 min
 Lab File: VY015393.D
 Acq: 31 Aug 2023 11:02

Tgt Ion: 63 Resp: 67334
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.1 9.4
 100 4.6 1.8 5.5

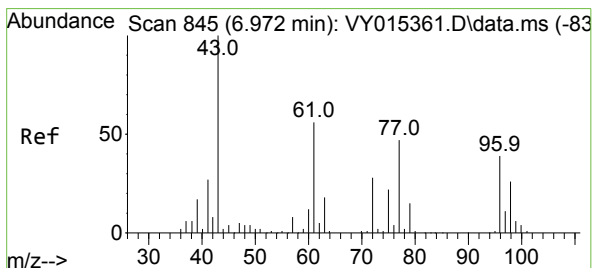
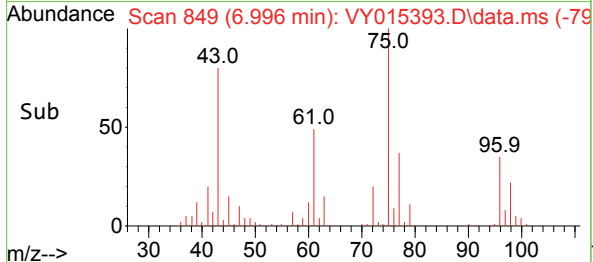
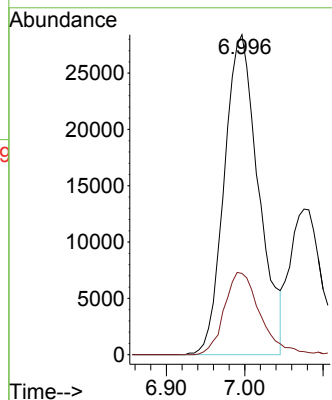
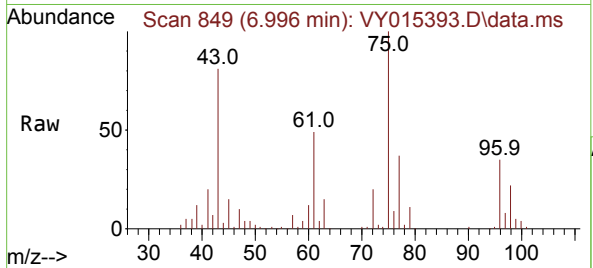




#25
2-Butanone
Concen: 85.641 ug/l
RT: 6.996 min Scan# 846
Delta R.T. 0.018 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

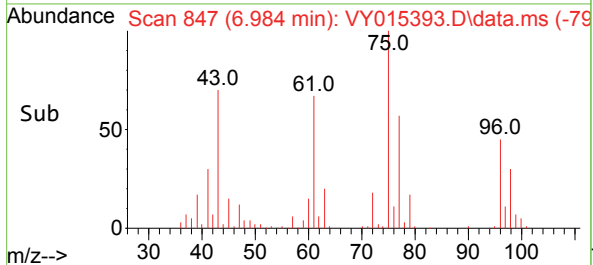
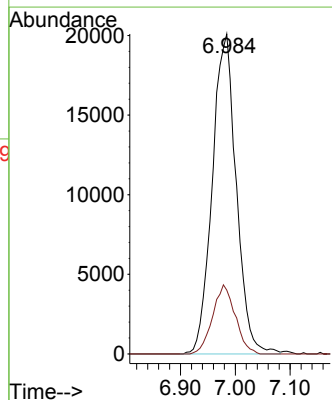
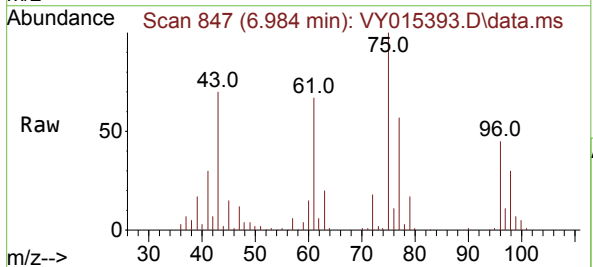
Instrument :
MSVOA_Y
ClientSampleId :

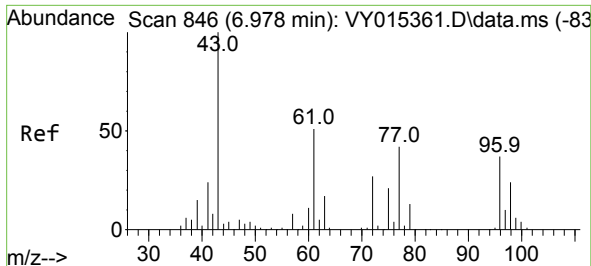
Tgt Ion: 43 Resp: 86527
Ion Ratio Lower Upper
43 100
72 25.4 20.5 30.7



#26
2,2-Dichloropropane
Concen: 22.552 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.012 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

Tgt Ion: 77 Resp: 61021
Ion Ratio Lower Upper
77 100
97 20.4 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 21.004 ug/l

RT: 6.984 min Scan# 846

Delta R.T. 0.006 min

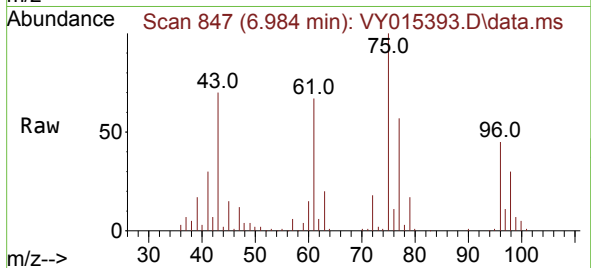
Lab File: VY015393.D

Acq: 31 Aug 2023 11:02

Instrument :

MSVOA_Y

ClientSampleId :



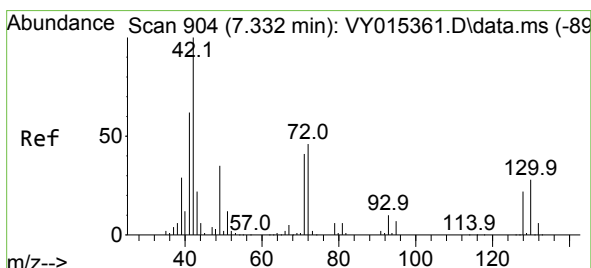
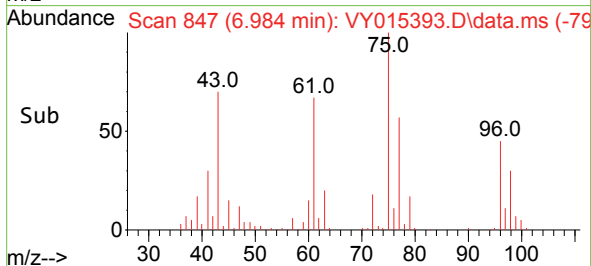
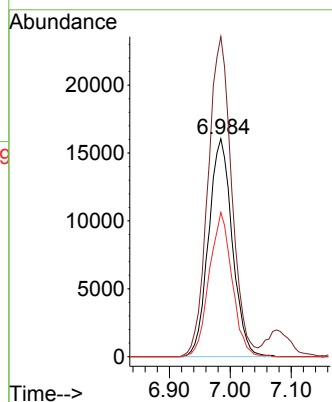
Tgt Ion: 96 Resp: 43423

Ion Ratio Lower Upper

96 100

61 146.9 0.0 301.4

98 63.8 0.0 130.4



#28

Bromochloromethane

Concen: 22.131 ug/l

RT: 7.332 min Scan# 904

Delta R.T. 0.006 min

Lab File: VY015393.D

Acq: 31 Aug 2023 11:02

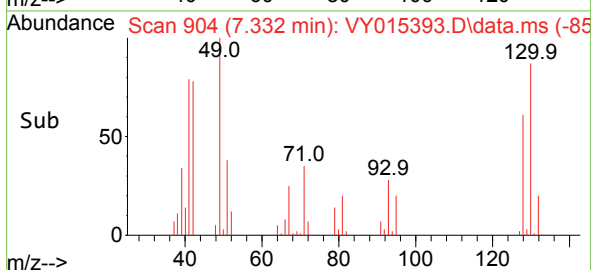
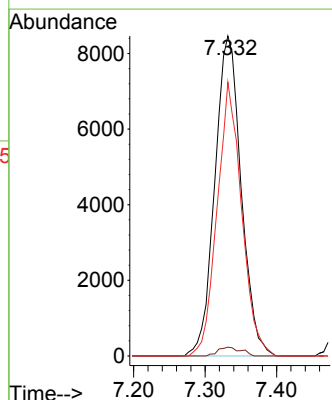
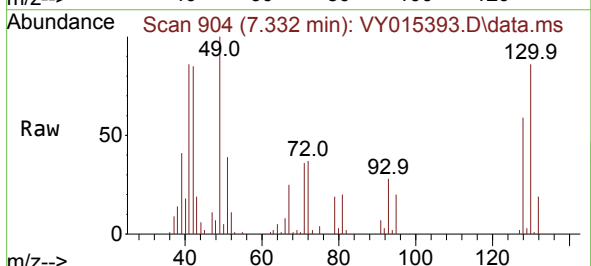
Tgt Ion: 49 Resp: 21620

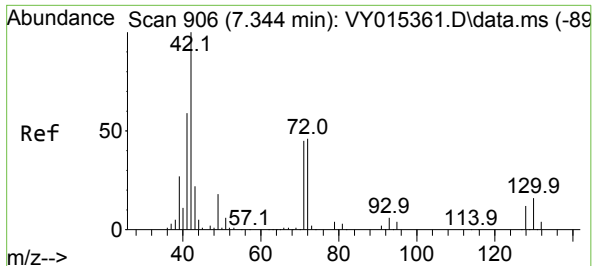
Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.6

130 79.5 60.7 91.1





#29

Tetrahydrofuran

Concen: 81.872 ug/l

RT: 7.356 min Scan# 906

Delta R.T. 0.012 min

Lab File: VY015393.D

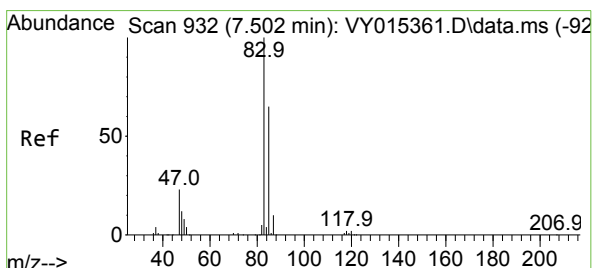
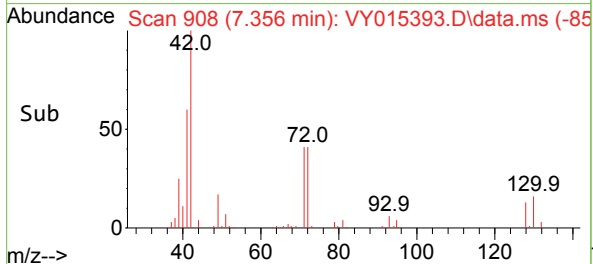
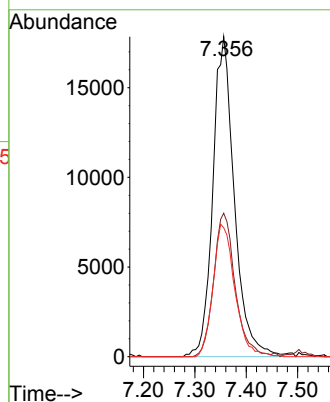
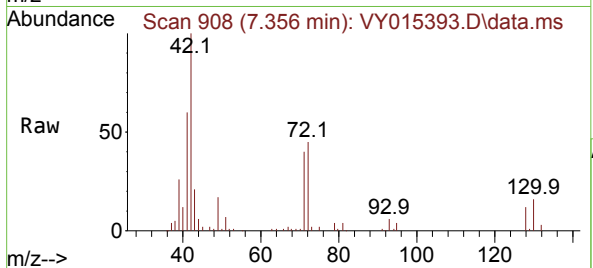
Acq: 31 Aug 2023 11:02

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	42	Resp:	51945
Ion	Ratio	Lower	Upper
42	100		
72	45.1	32.8	49.2
71	42.0	31.0	46.4



#30

Chloroform

Concen: 21.423 ug/l

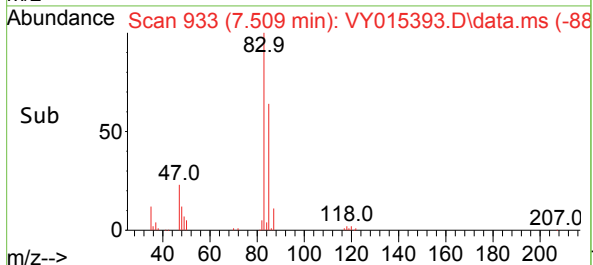
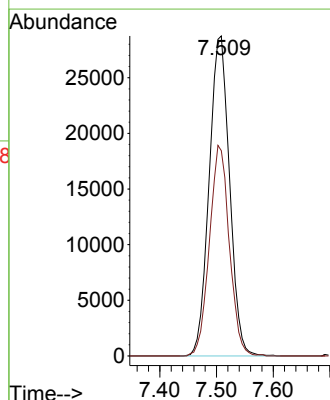
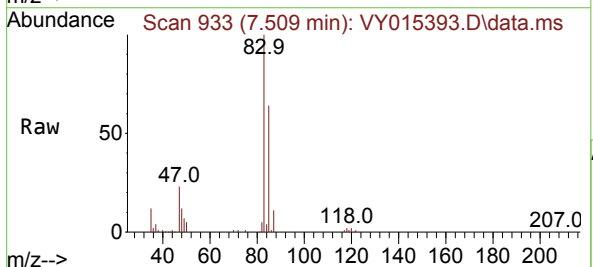
RT: 7.509 min Scan# 933

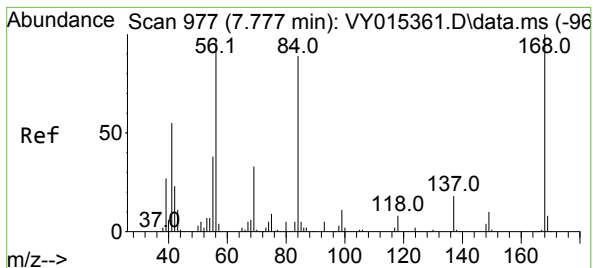
Delta R.T. 0.012 min

Lab File: VY015393.D

Acq: 31 Aug 2023 11:02

Tgt Ion:	83	Resp:	71744
Ion	Ratio	Lower	Upper
83	100		
85	64.2	49.7	74.5





#31

Cyclohexane

Concen: 18.952 ug/l

RT: 7.783 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY015393.D

Acq: 31 Aug 2023 11:02

Instrument :

MSVOA_Y

ClientSampleId :

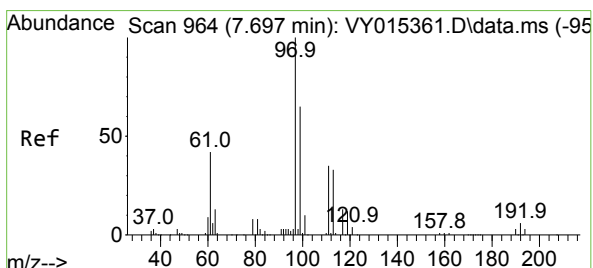
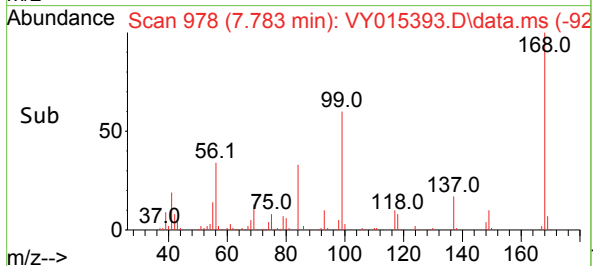
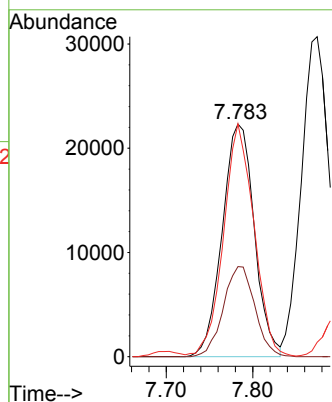
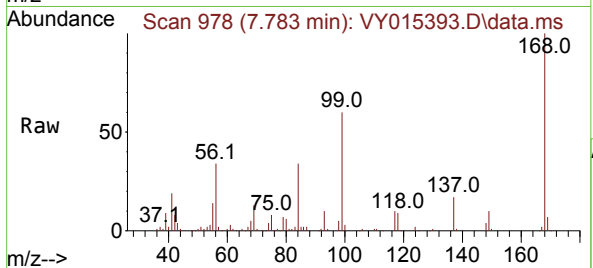
Tgt Ion: 56 Resp: 57453

Ion Ratio Lower Upper

56 100

69 38.8 27.8 41.6

84 98.8 66.4 99.6



#32

1,1,1-Trichloroethane

Concen: 20.480 ug/l

RT: 7.704 min Scan# 965

Delta R.T. 0.012 min

Lab File: VY015393.D

Acq: 31 Aug 2023 11:02

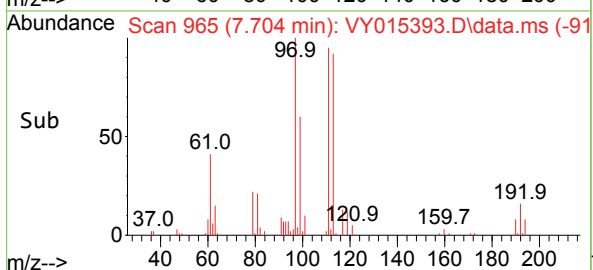
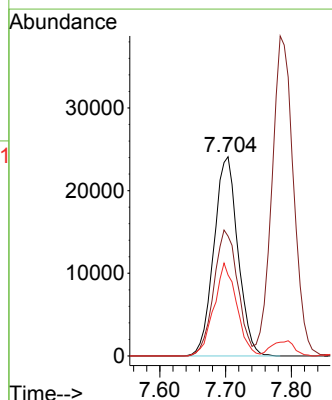
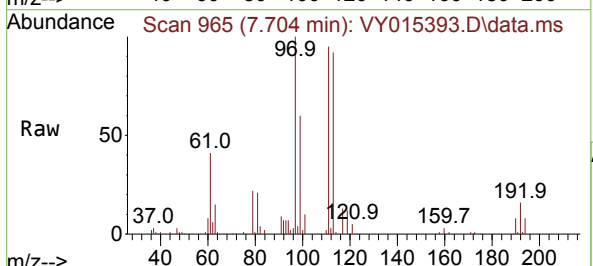
Tgt Ion: 97 Resp: 61262

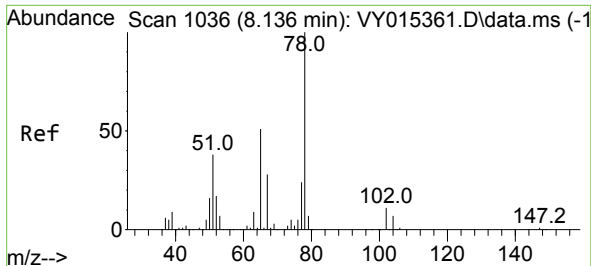
Ion Ratio Lower Upper

97 100

99 63.0 50.8 76.2

61 44.1 35.1 52.7

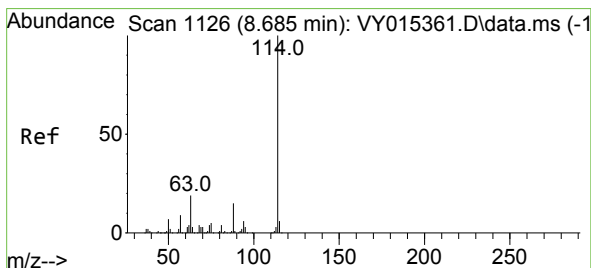
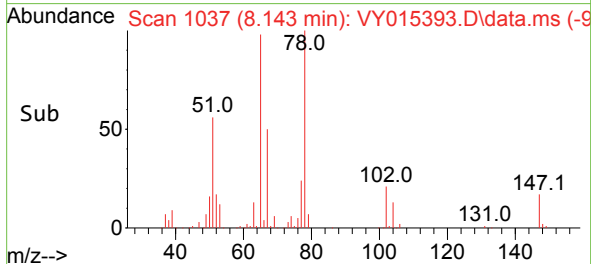
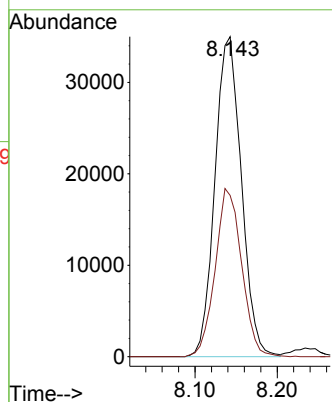
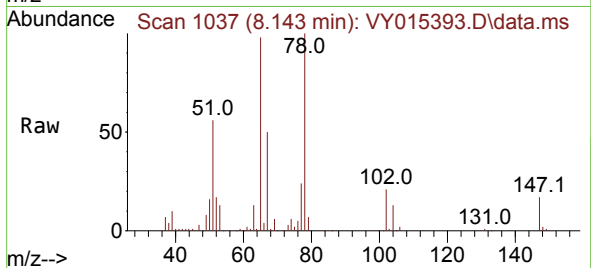




#33
 1,2-Dichloroethane-d4
 Concen: 45.814 ug/l
 RT: 8.143 min Scan# 1036
 Delta R.T. 0.006 min
 Lab File: VY015393.D
 Acq: 31 Aug 2023 11:02

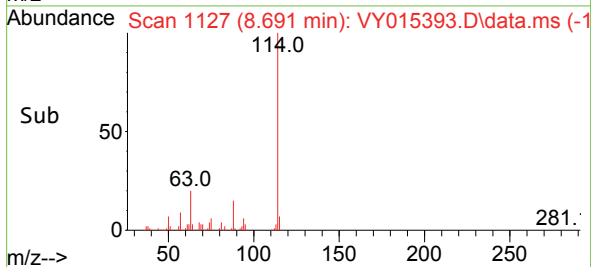
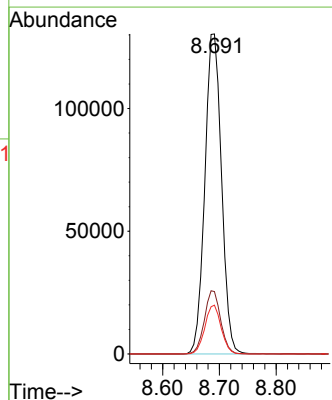
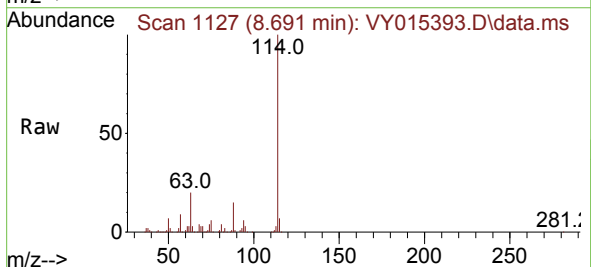
Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion: 65 Resp: 78188
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VY015393.D
 Acq: 31 Aug 2023 11:02

Tgt Ion:114 Resp: 265970
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 42.4
 88 15.3 0.0 30.6

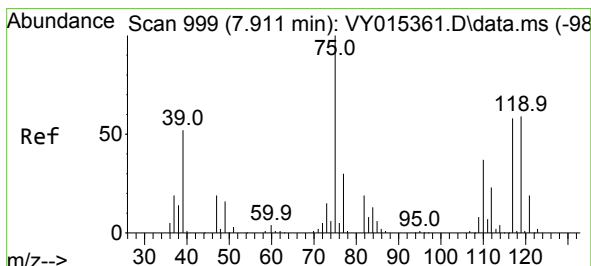
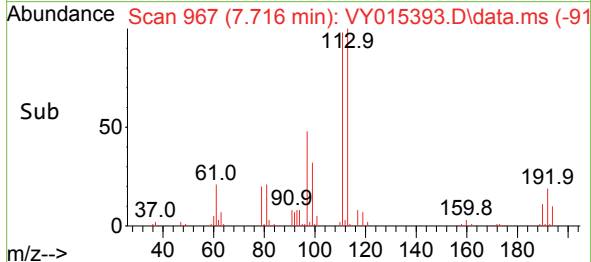
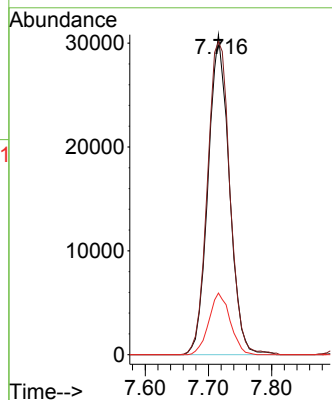
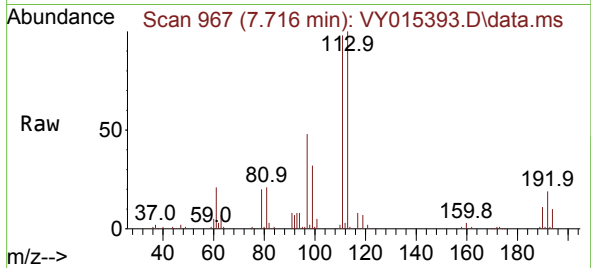




#35
Dibromofluoromethane
Concen: 46.763 ug/l
RT: 7.716 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

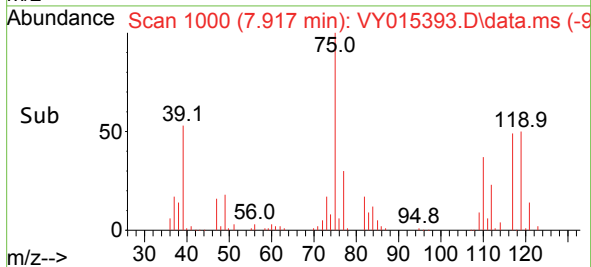
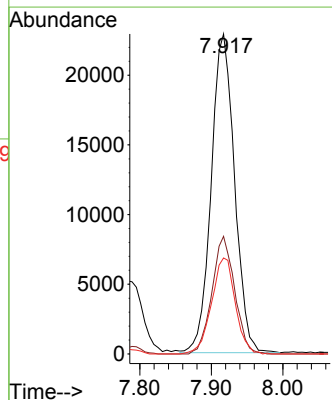
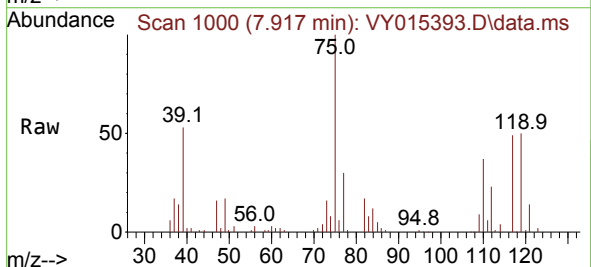
Instrument :
MSVOA_Y
ClientSampleId :

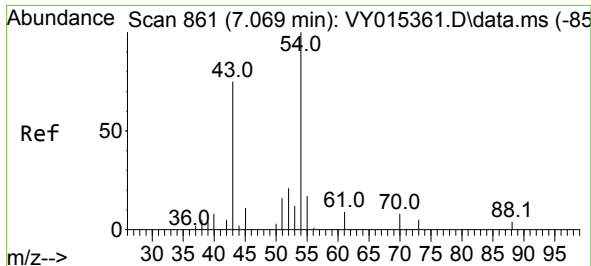
Tgt Ion:113 Resp: 71637
Ion Ratio Lower Upper
113 100
111 104.2 81.3 121.9
192 19.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 19.270 ug/l
RT: 7.917 min Scan# 1000
Delta R.T. 0.006 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

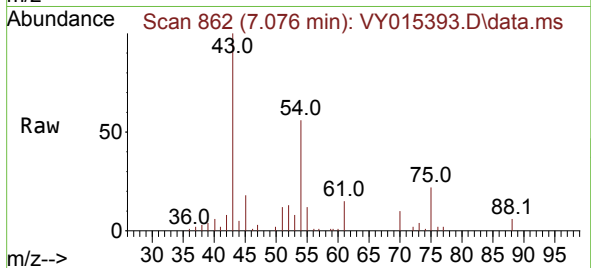
Tgt Ion: 75 Resp: 51834
Ion Ratio Lower Upper
75 100
110 35.8 17.8 53.5
77 30.7 24.4 36.6



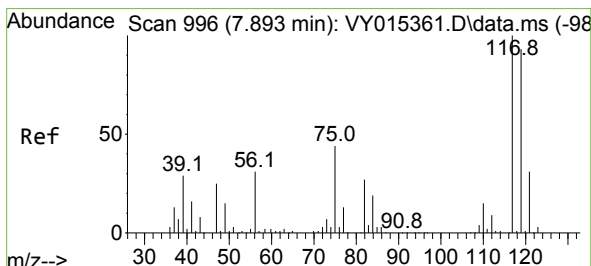
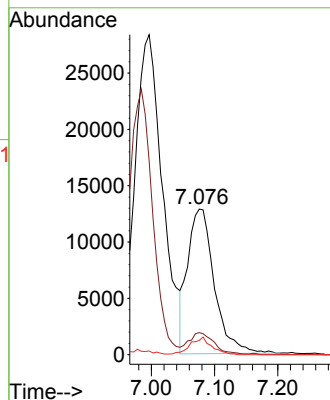
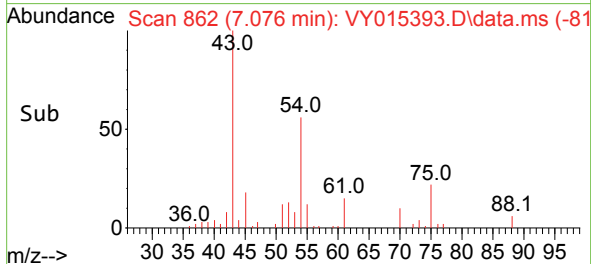


#37
Ethyl Acetate
Concen: 18.134 ug/l
RT: 7.076 min Scan# 80
Delta R.T. 0.012 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

Instrument :
MSVOA_Y
ClientSampleId :

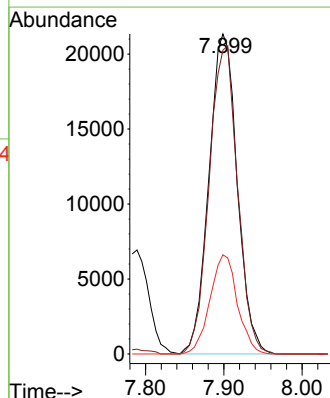
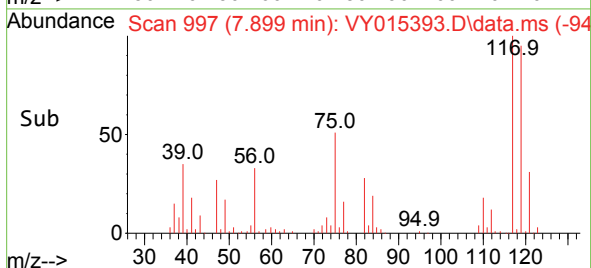
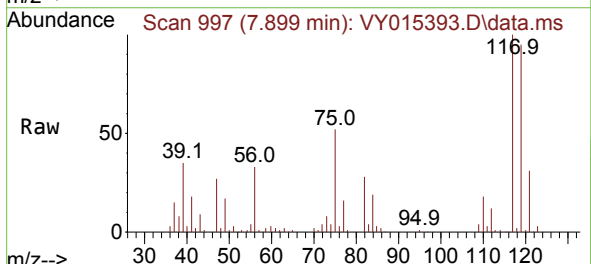


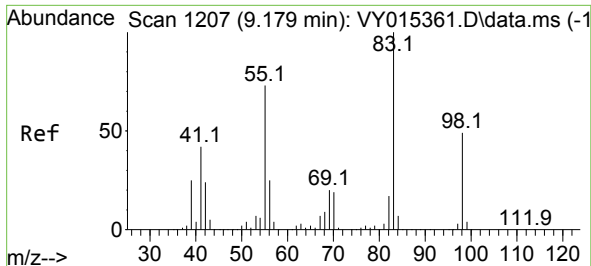
Tgt Ion: 43 Resp: 37621
Ion Ratio Lower Upper
43 100
61 14.0 10.1 15.1
70 9.7 7.1 10.7



#38
Carbon Tetrachloride
Concen: 19.291 ug/l
RT: 7.899 min Scan# 997
Delta R.T. 0.006 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

Tgt Ion: 117 Resp: 53593
Ion Ratio Lower Upper
117 100
119 94.9 76.4 114.6
121 31.0 25.8 38.6

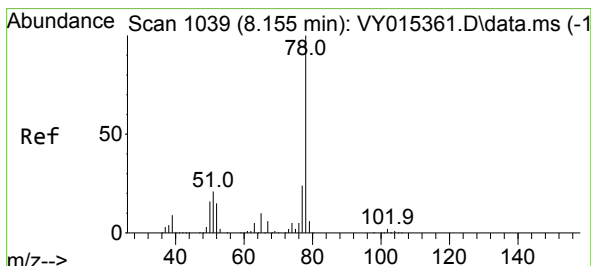
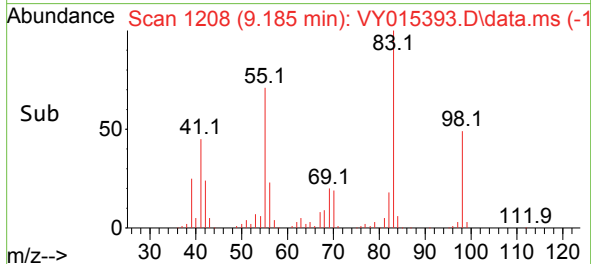
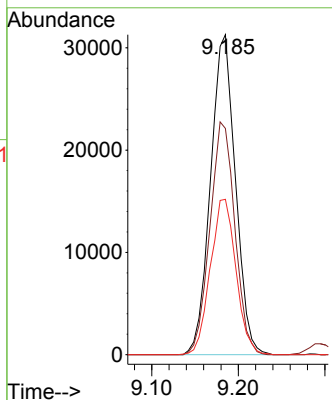
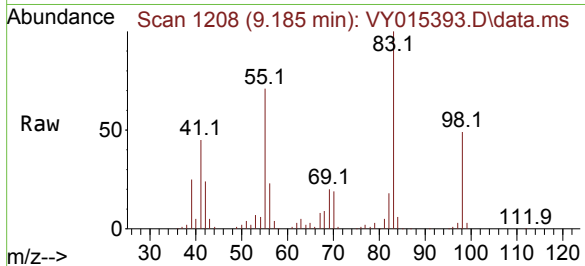




#39
Methylcyclohexane
Concen: 18.438 ug/l
RT: 9.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

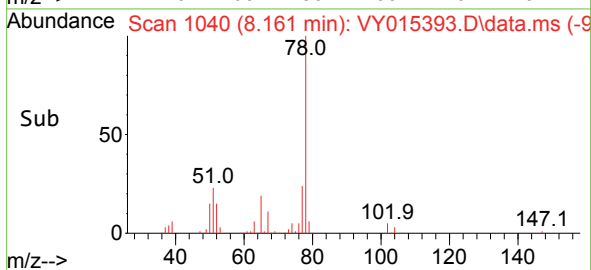
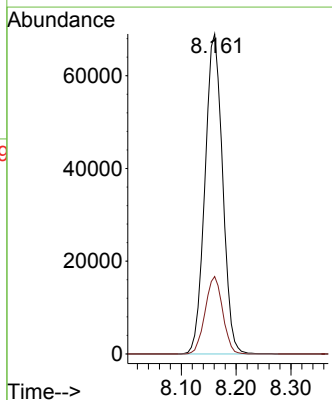
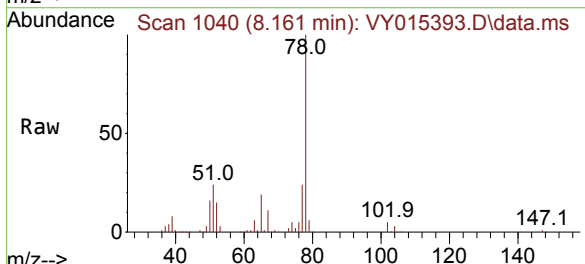
Instrument :
MSVOA_Y
ClientSampleId :

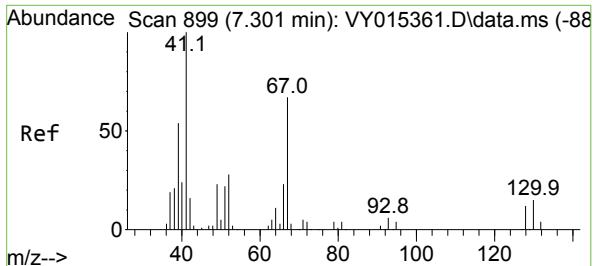
Tgt Ion: 83 Resp: 62438
Ion Ratio Lower Upper
83 100
55 70.7 63.0 94.4
98 48.5 37.4 56.2



#40
Benzene
Concen: 20.452 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.012 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

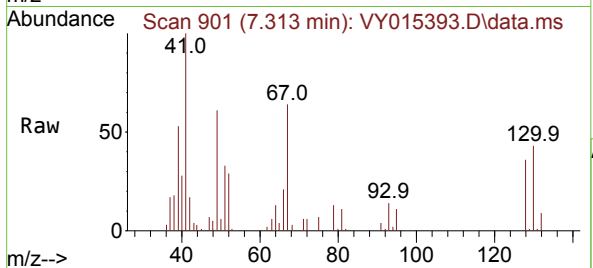
Tgt Ion: 78 Resp: 153488
Ion Ratio Lower Upper
78 100
77 24.2 19.0 28.6



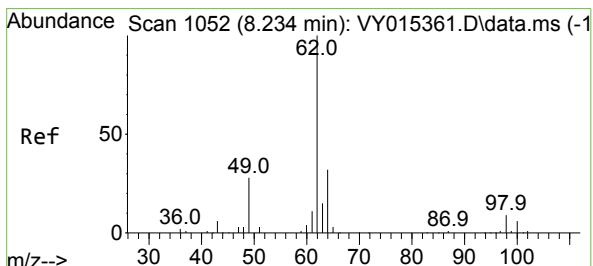
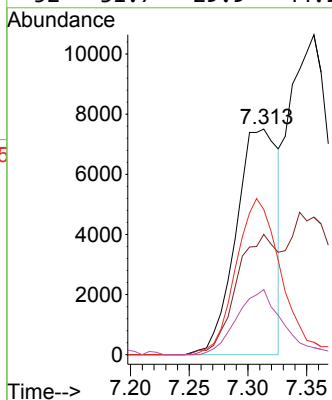
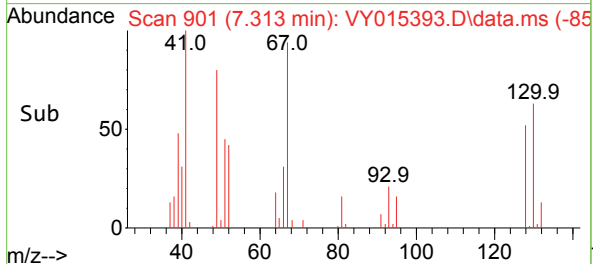


#41
Methacrylonitrile
Concen: 19.102 ug/l
RT: 7.313 min Scan# 901
Delta R.T. 0.000 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

Instrument :
MSVOA_Y
ClientSampleId :

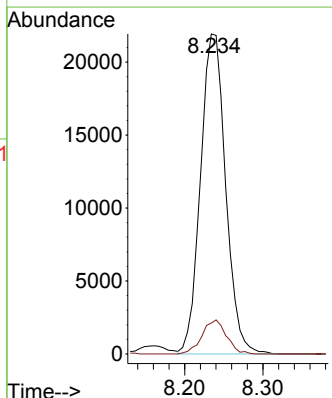
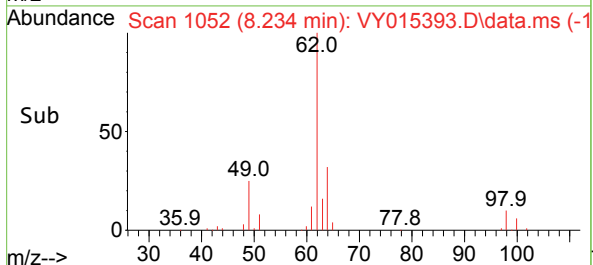
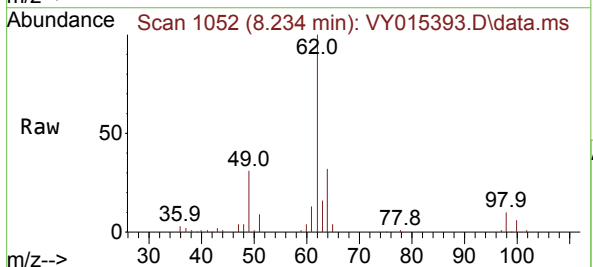


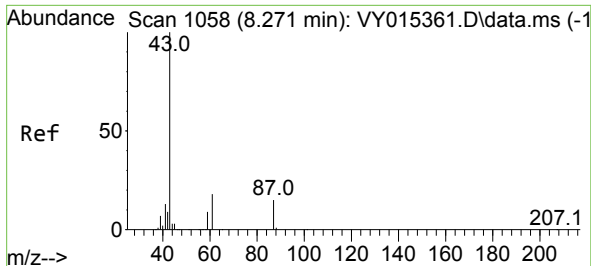
Tgt Ion:	41	Resp:	18583
Ion	Ratio	Lower	Upper
41	100		
39	52.2	52.1	78.1
67	75.4	66.2	99.2
52	31.7	29.9	44.9



#42
1,2-Dichloroethane
Concen: 19.554 ug/l
RT: 8.234 min Scan# 1052
Delta R.T. 0.000 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

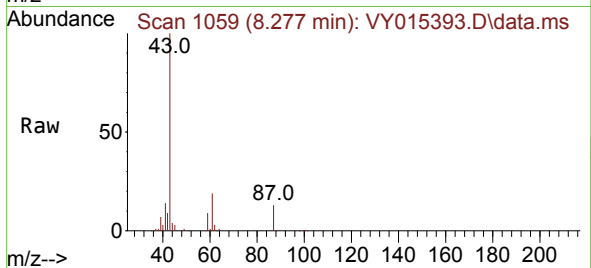
Tgt Ion:	62	Resp:	48933
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	15.8



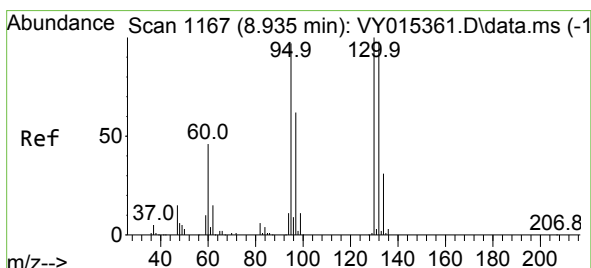
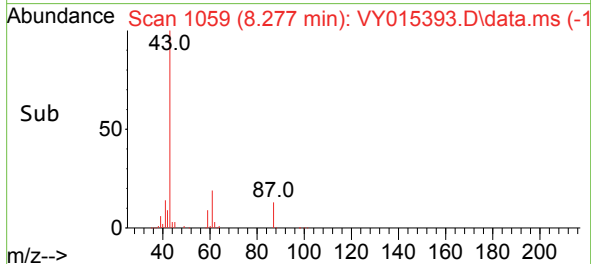
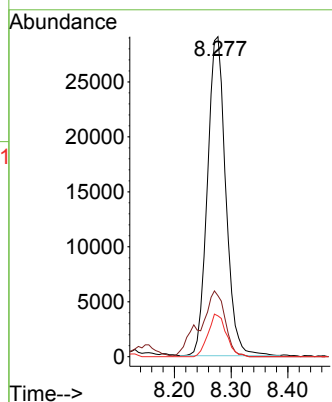


#43
Isopropyl Acetate
Concen: 18.153 ug/l
RT: 8.277 min Scan# 1059
Delta R.T. 0.012 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

Instrument :
MSVOA_Y
ClientSampleId :

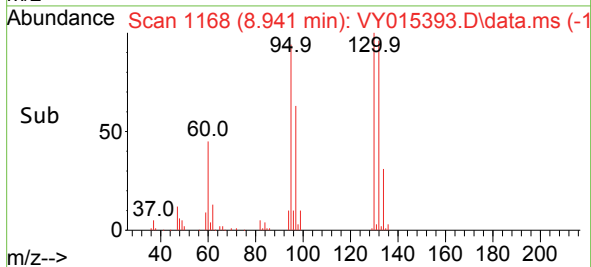
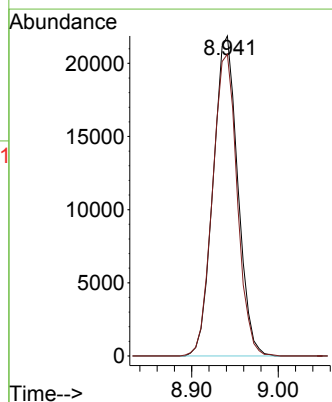
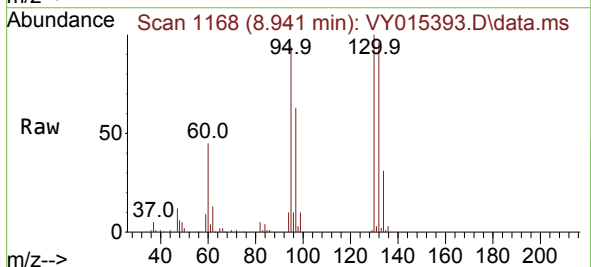


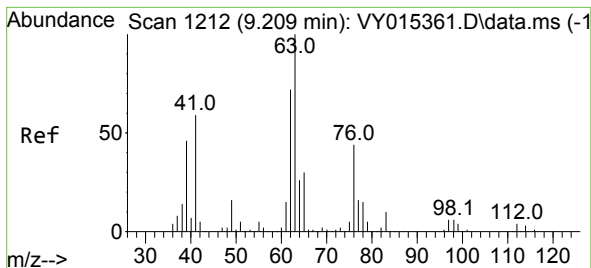
Tgt Ion: 43 Resp: 65124
Ion Ratio Lower Upper
43 100
61 20.7 21.1 31.7#
87 13.3 9.8 14.8



#44
Trichloroethene
Concen: 20.263 ug/l
RT: 8.941 min Scan# 1168
Delta R.T. 0.006 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

Tgt Ion:130 Resp: 43026
Ion Ratio Lower Upper
130 100
95 94.3 0.0 196.0





#45

1,2-Dichloropropane

Concen: 20.626 ug/l

RT: 9.216 min Scan# 1213

Delta R.T. 0.000 min

Lab File: VY015393.D

Acq: 31 Aug 2023 11:02

Instrument :

MSVOA_Y

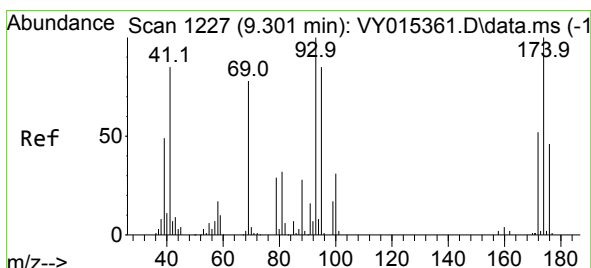
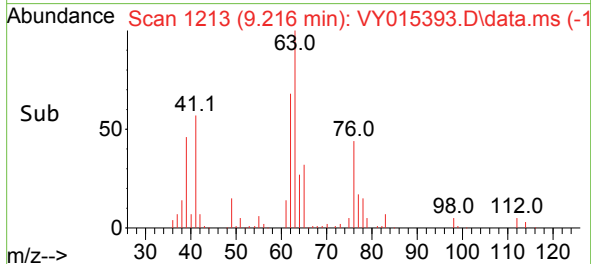
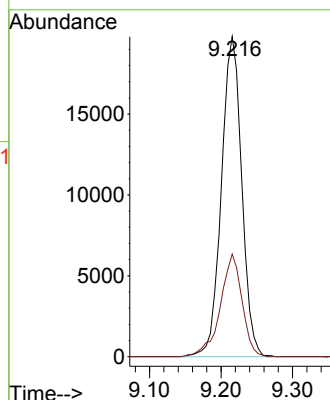
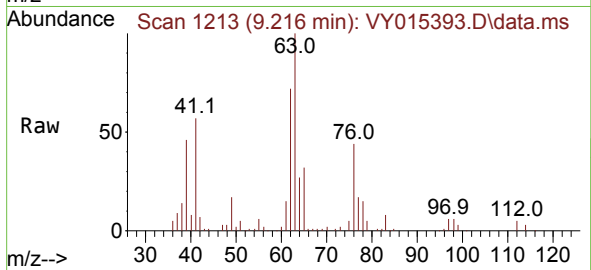
ClientSampleId :

Tgt Ion: 63 Resp: 39022

Ion Ratio Lower Upper

63 100

65 32.0 23.8 35.6



#46

Dibromomethane

Concen: 19.362 ug/l

RT: 9.307 min Scan# 1228

Delta R.T. 0.012 min

Lab File: VY015393.D

Acq: 31 Aug 2023 11:02

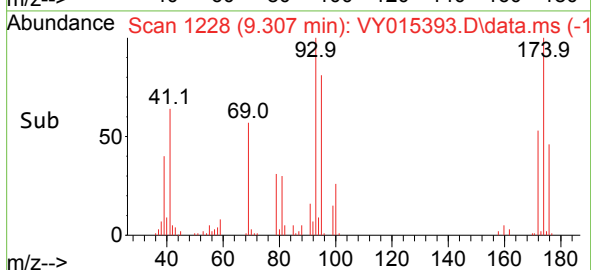
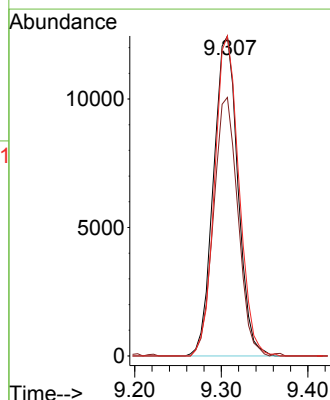
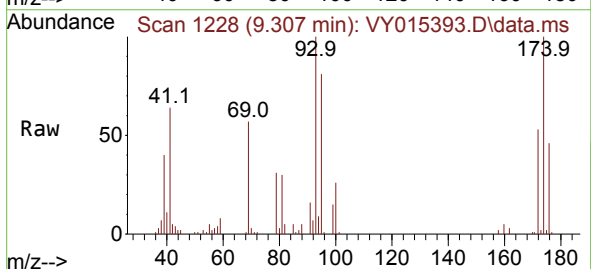
Tgt Ion: 93 Resp: 24332

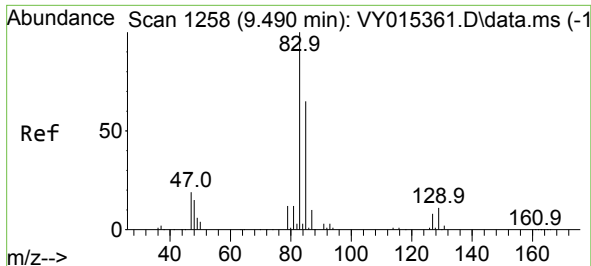
Ion Ratio Lower Upper

93 100

95 80.5 66.6 100.0

174 99.6 84.8 127.2

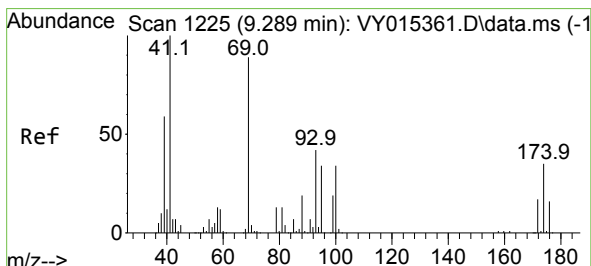
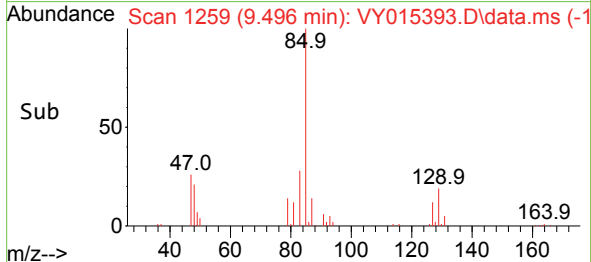
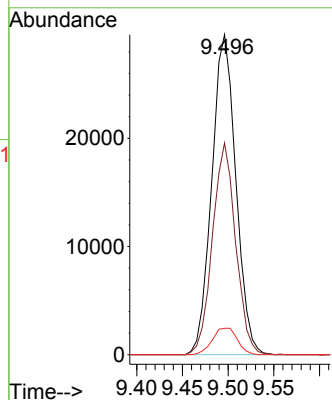
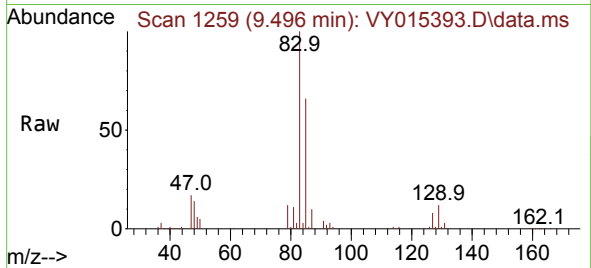




#47
Bromodichloromethane
Concen: 20.164 ug/l
RT: 9.496 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

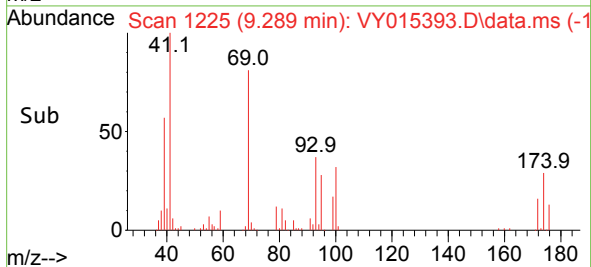
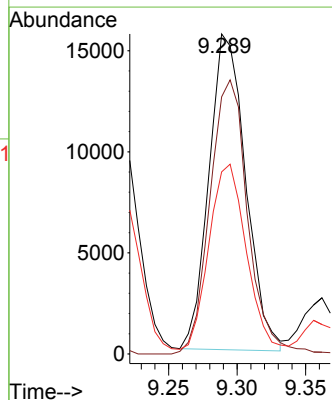
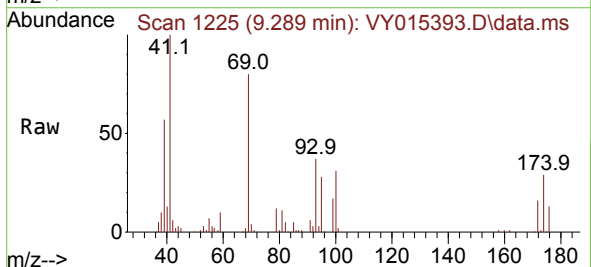
Instrument :
MSVOA_Y
ClientSampleId :

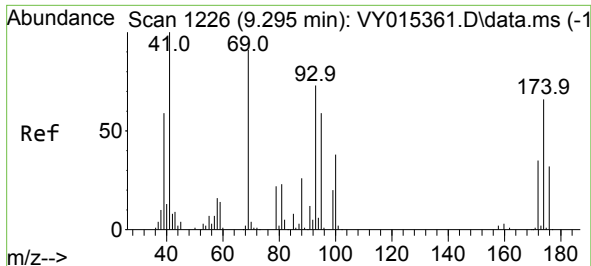
Tgt Ion: 83 Resp: 54189
Ion Ratio Lower Upper
83 100
85 66.2 50.1 75.1
127 8.2 7.1 10.7



#48
Methyl methacrylate
Concen: 17.695 ug/l
RT: 9.289 min Scan# 1225
Delta R.T. 0.000 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

Tgt Ion: 41 Resp: 29125
Ion Ratio Lower Upper
41 100
69 89.5 64.5 96.7
39 59.8 50.8 76.2





#49

1,4-Dioxane

Concen: 116.568 ug/l

RT: 9.331 min Scan# 1232

Delta R.T. 0.043 min

Lab File: VY015393.D

Acq: 31 Aug 2023 11:02

Instrument :

MSVOA_Y

ClientSampleId :

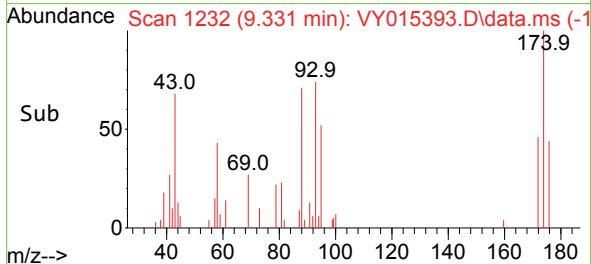
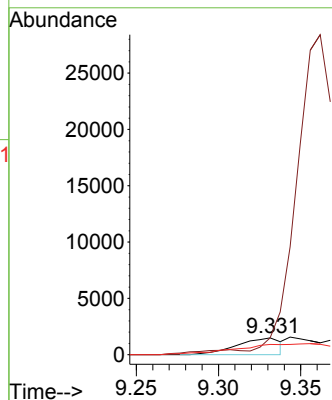
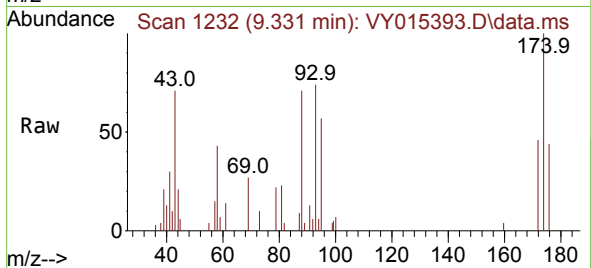
Tgt Ion: 88 Resp: 2721

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 30.9 46.3#



#50

Toluene-d8

Concen: 46.099 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY015393.D

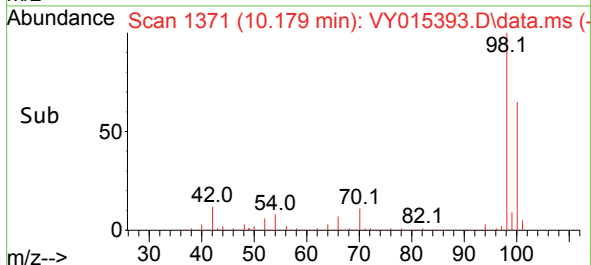
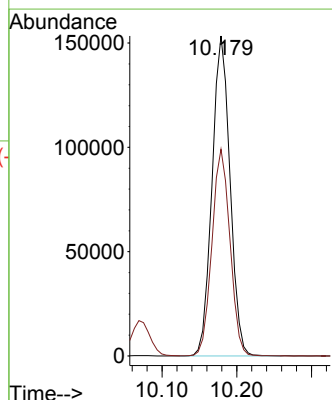
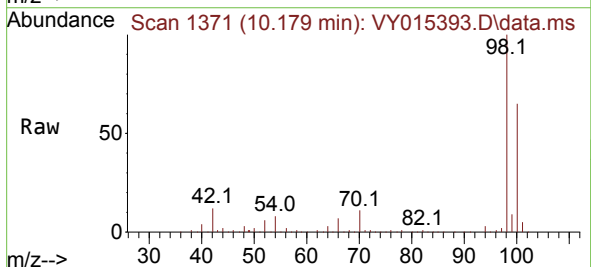
Acq: 31 Aug 2023 11:02

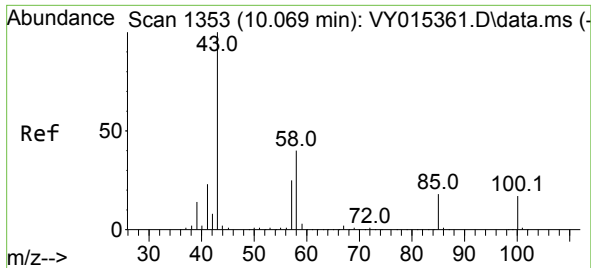
Tgt Ion: 98 Resp: 255743

Ion Ratio Lower Upper

98 100

100 64.9 50.1 75.1

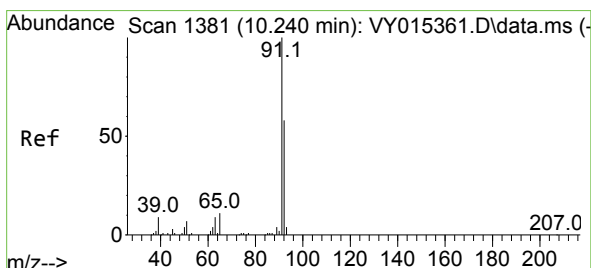
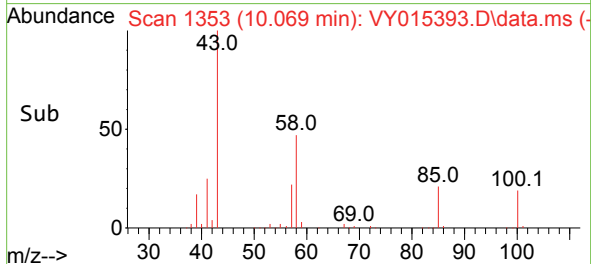
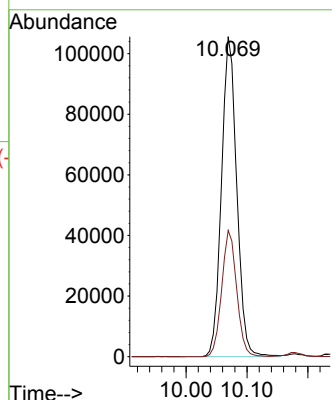
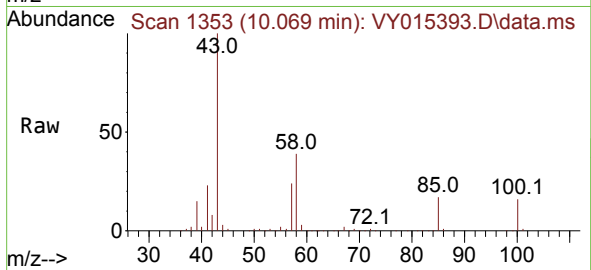




#51
4-Methyl-2-Pentanone
Concen: 88.112 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

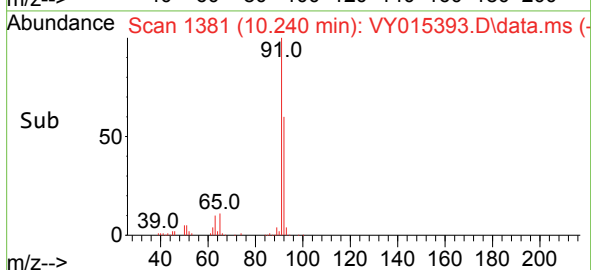
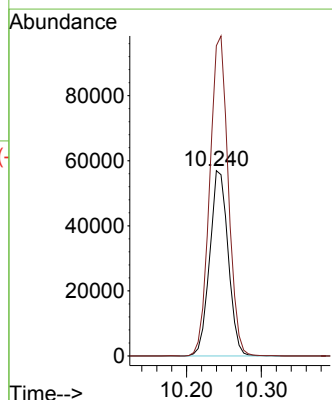
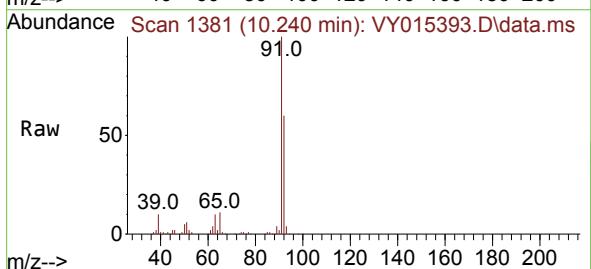
Instrument :
MSVOA_Y
ClientSampleId :

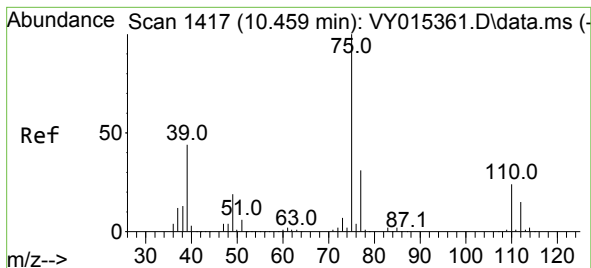
Tgt Ion: 43 Resp: 183722
Ion Ratio Lower Upper
43 100
58 38.8 29.0 43.6



#52
Toluene
Concen: 20.263 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

Tgt Ion: 92 Resp: 97466
Ion Ratio Lower Upper
92 100
91 173.3 143.8 215.6

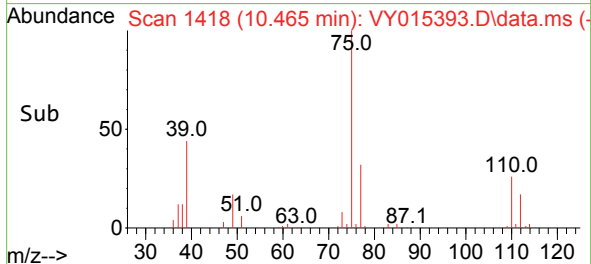
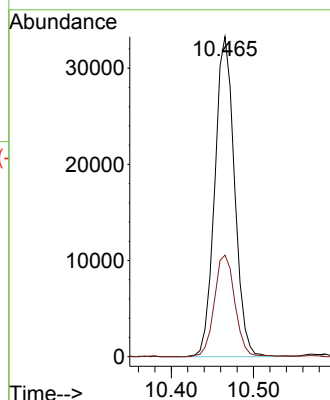
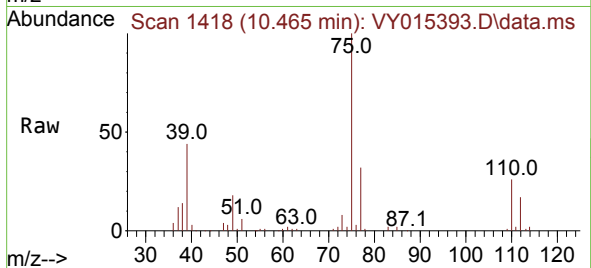




#53
 t-1,3-Dichloropropene
 Concen: 19.416 ug/l
 RT: 10.465 min Scan# 1417
 Delta R.T. 0.006 min
 Lab File: VY015393.D
 Acq: 31 Aug 2023 11:02

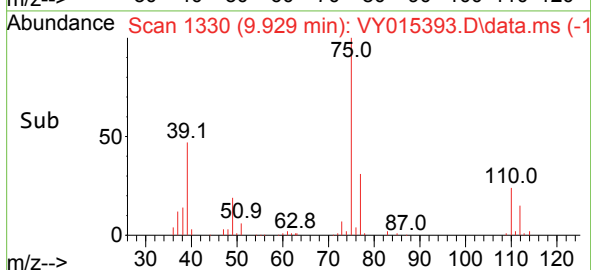
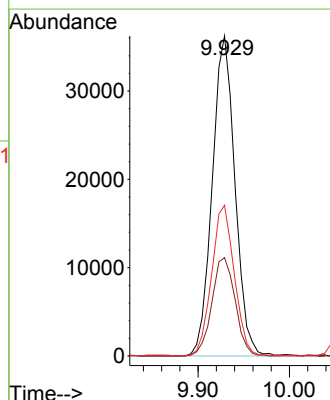
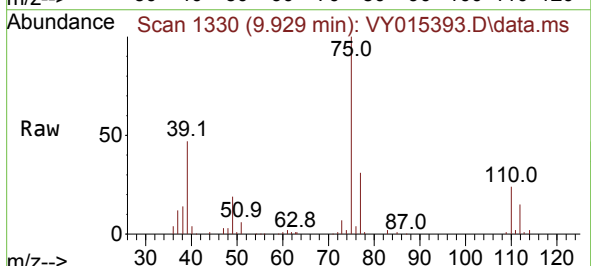
Instrument :
 MSVOA_Y
 ClientSampleId :

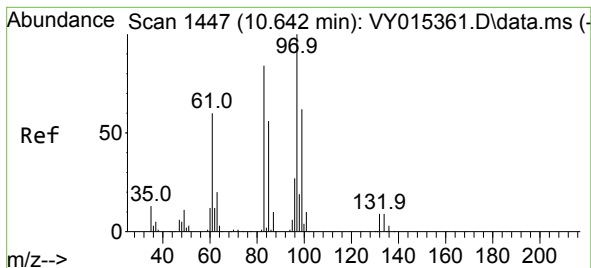
Tgt Ion: 75 Resp: 55455
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 20.141 ug/l
 RT: 9.929 min Scan# 1330
 Delta R.T. 0.006 min
 Lab File: VY015393.D
 Acq: 31 Aug 2023 11:02

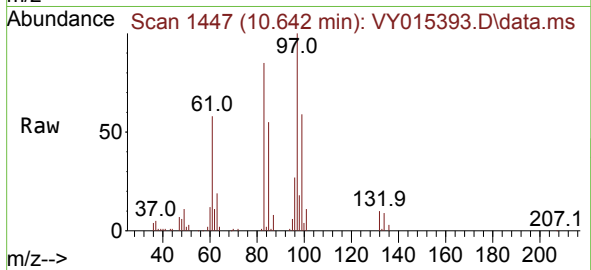
Tgt Ion: 75 Resp: 62575
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.2 36.4
 39 47.1 42.2 63.4



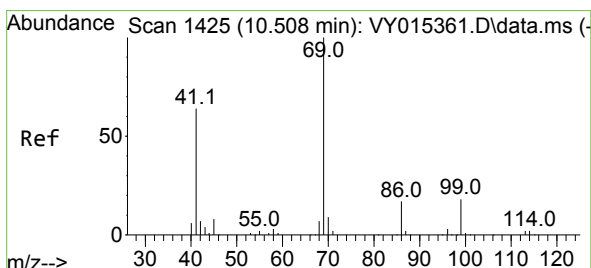
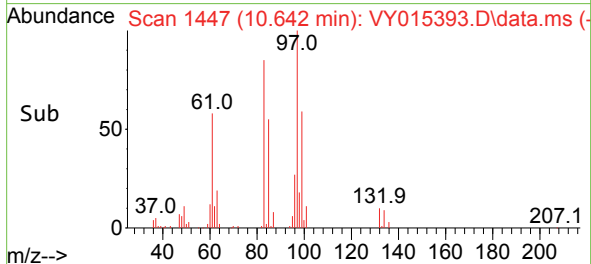
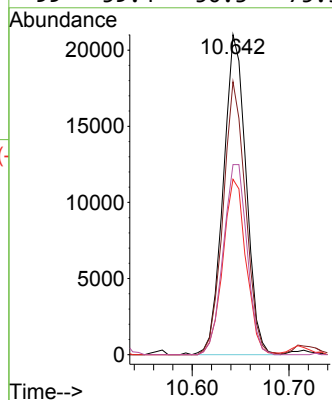


#55
1,1,2-Trichloroethane
Concen: 20.294 ug/l
RT: 10.642 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

Instrument :
MSVOA_Y
ClientSampleId :

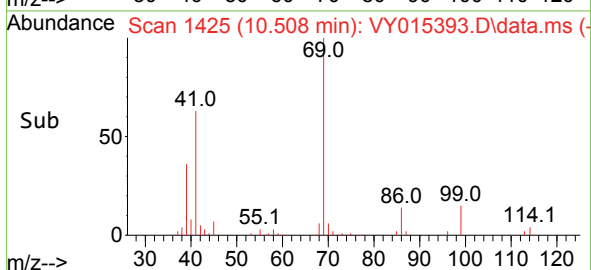
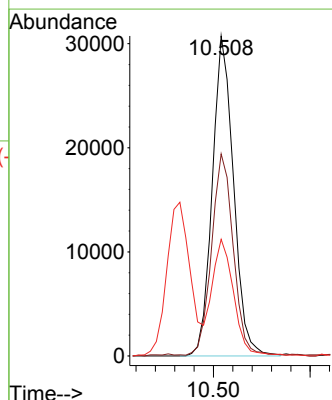
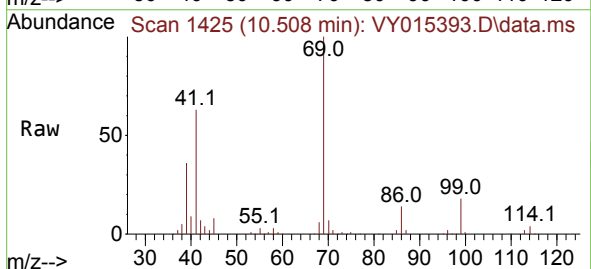


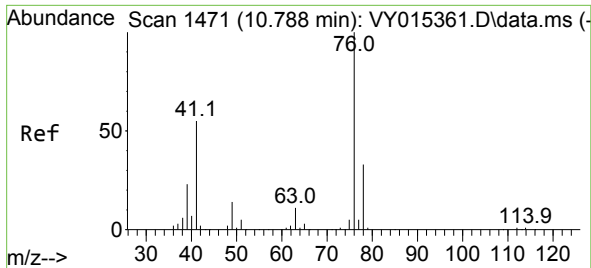
Tgt Ion:	97	Resp:	34363
Ion	Ratio	Lower	Upper
97	100		
83	85.3	72.0	108.0
85	54.8	45.4	68.0
99	59.4	50.3	75.5



#56
Ethyl methacrylate
Concen: 18.692 ug/l
RT: 10.508 min Scan# 1425
Delta R.T. 0.000 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

Tgt Ion:	69	Resp:	46904
Ion	Ratio	Lower	Upper
69	100		
41	63.9	57.6	86.4
39	36.9	34.1	51.1

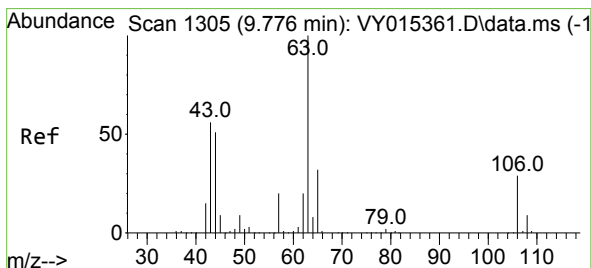
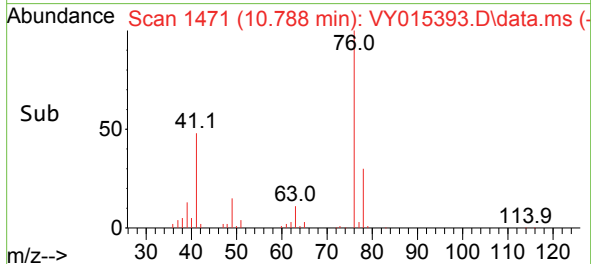
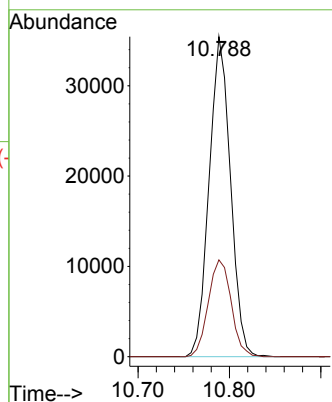
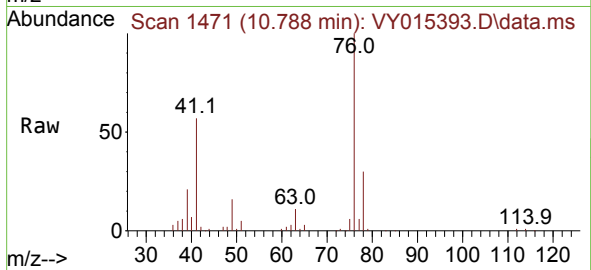




#57
 1,3-Dichloropropane
 Concen: 19.694 ug/l
 RT: 10.788 min Scan# 1471
 Delta R.T. 0.000 min
 Lab File: VY015393.D
 Acq: 31 Aug 2023 11:02

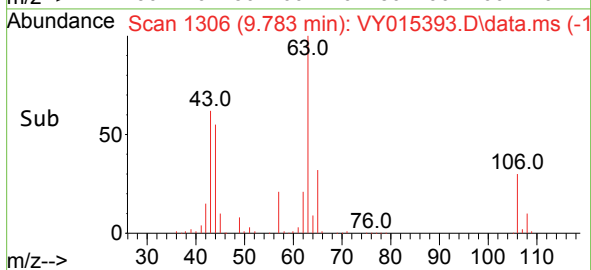
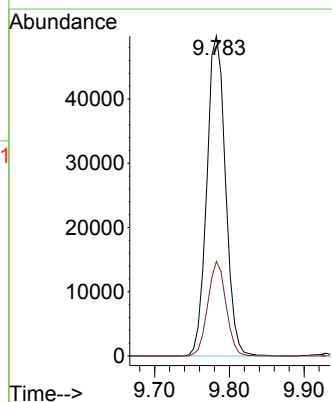
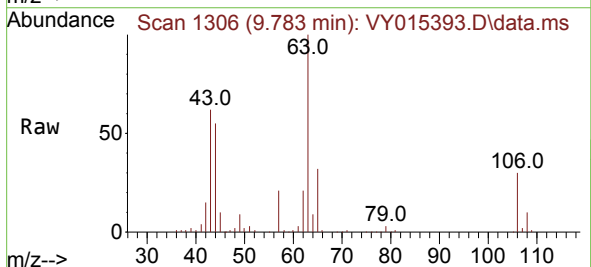
Instrument :
 MSVOA_Y
 ClientSampleId :

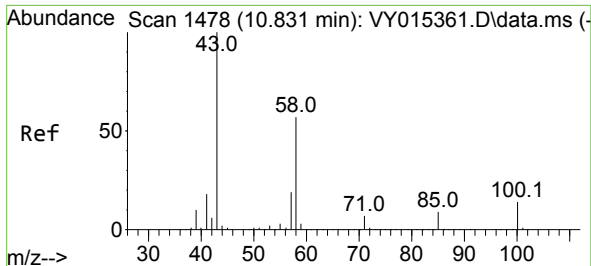
Tgt Ion: 76 Resp: 57403
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.457 ug/l
 RT: 9.783 min Scan# 1306
 Delta R.T. 0.006 min
 Lab File: VY015393.D
 Acq: 31 Aug 2023 11:02

Tgt Ion: 63 Resp: 86391
 Ion Ratio Lower Upper
 63 100
 106 28.7 21.2 31.8

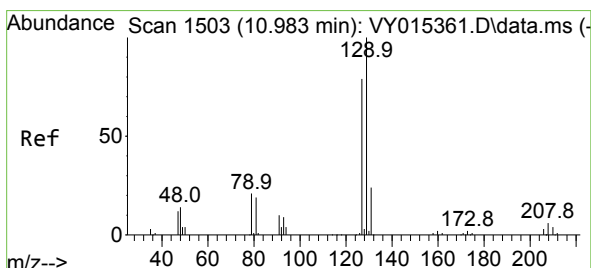
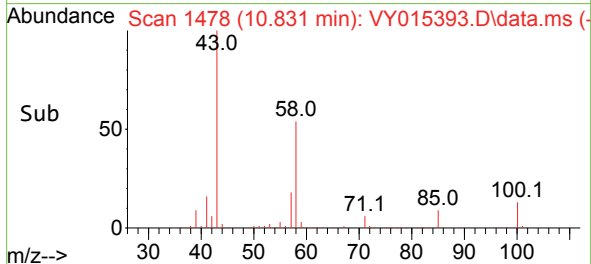
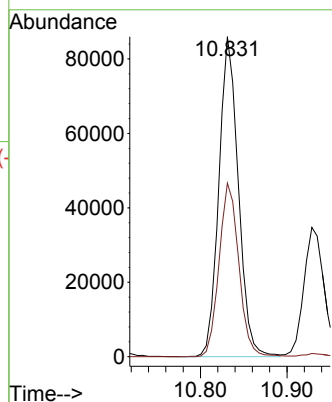
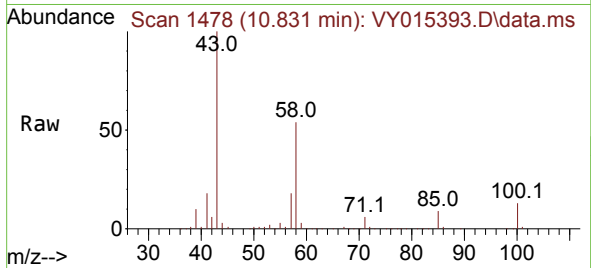




#59
2-Hexanone
Concen: 85.771 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

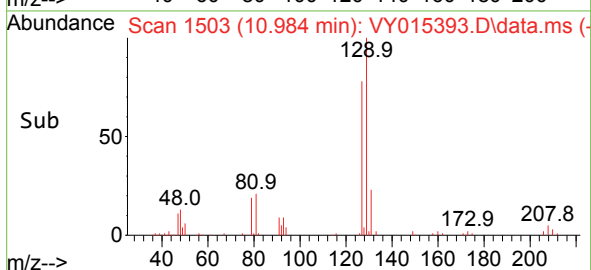
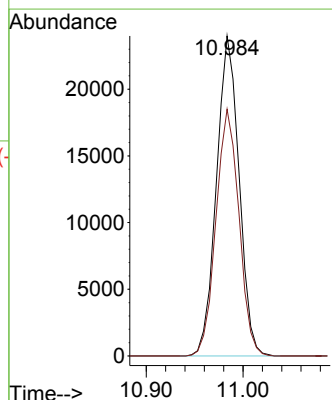
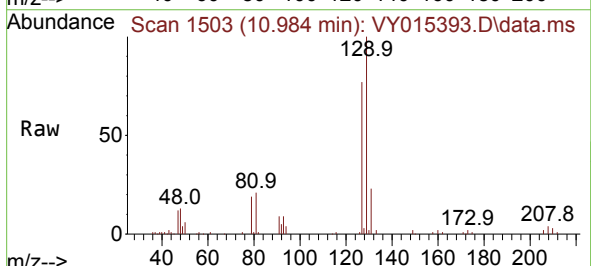
Instrument :
MSVOA_Y
ClientSampleId :

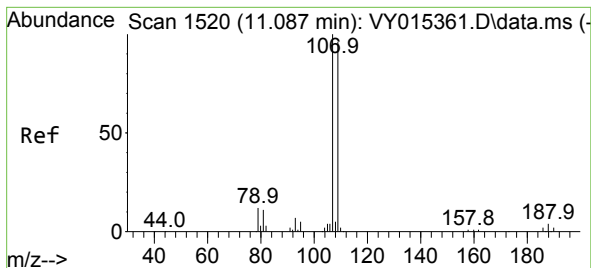
Tgt Ion: 43 Resp: 134193
Ion Ratio Lower Upper
43 100
58 55.1 25.1 75.3



#60
Dibromochloromethane
Concen: 19.618 ug/l
RT: 10.984 min Scan# 1503
Delta R.T. 0.000 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

Tgt Ion:129 Resp: 38882
Ion Ratio Lower Upper
129 100
127 78.5 38.5 115.5

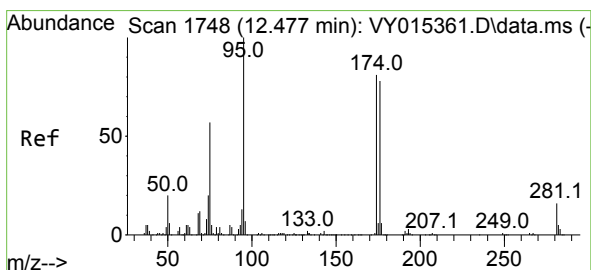
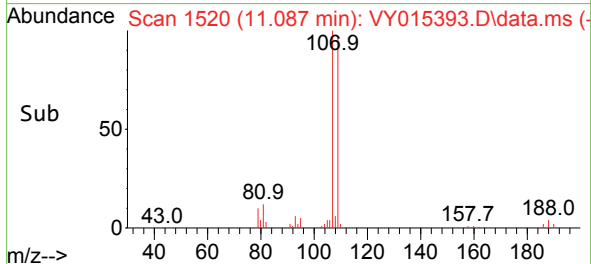
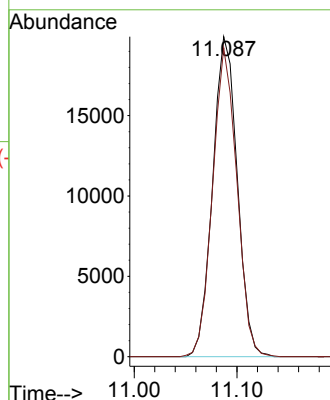
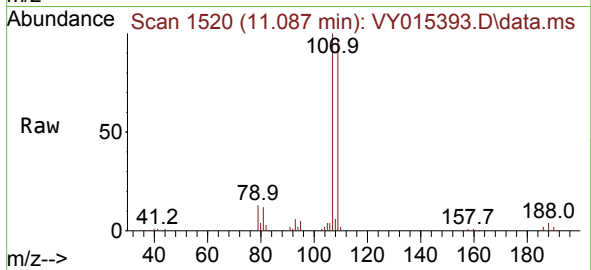




#61
1,2-Dibromoethane
Concen: 19.270 ug/l
RT: 11.087 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

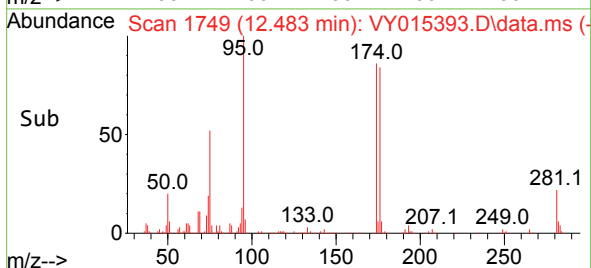
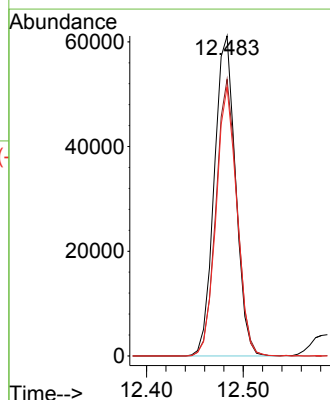
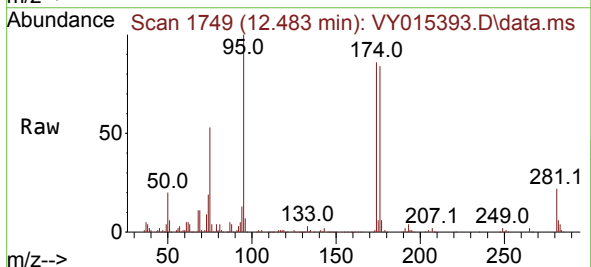
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:107 Resp: 33063
Ion Ratio Lower Upper
107 100
109 95.3 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 45.346 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

Tgt Ion: 95 Resp: 93391
Ion Ratio Lower Upper
95 100
174 85.2 0.0 178.2
176 82.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

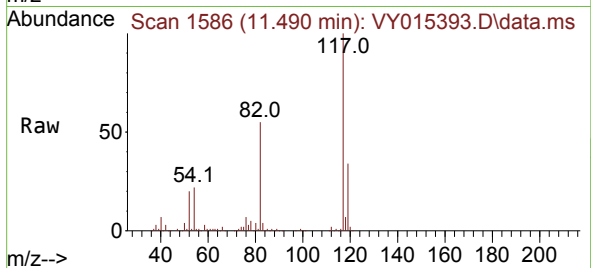
Lab File: VY015393.D

Acq: 31 Aug 2023 11:02

Instrument :

MSVOA_Y

ClientSampleId :



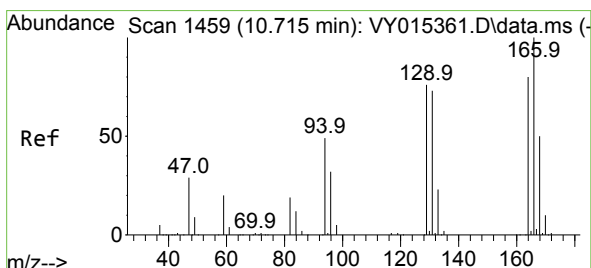
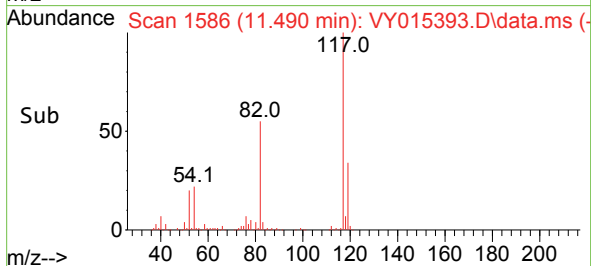
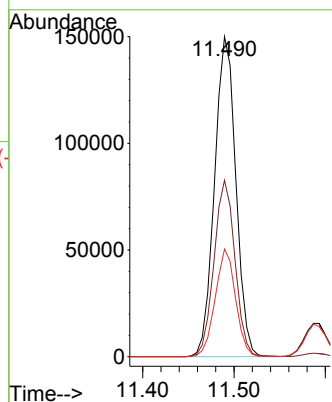
Tgt Ion:117 Resp: 243162

Ion Ratio Lower Upper

117 100

82 55.1 43.4 65.0

119 33.7 26.3 39.5



#64

Tetrachloroethene

Concen: 19.853 ug/l

RT: 10.715 min Scan# 1459

Delta R.T. 0.000 min

Lab File: VY015393.D

Acq: 31 Aug 2023 11:02

Tgt Ion:164 Resp: 43818

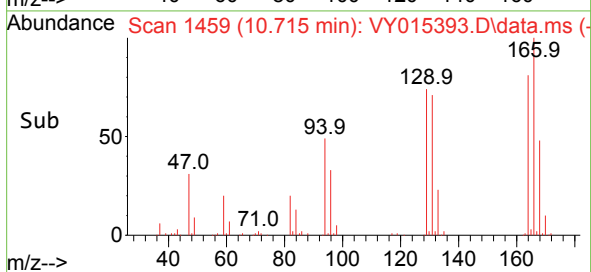
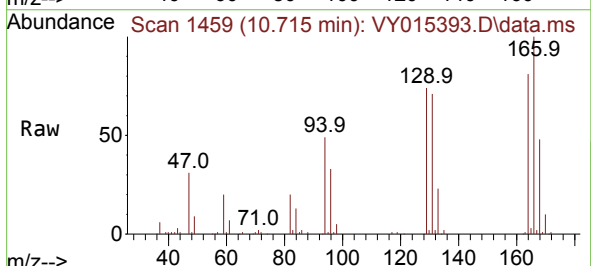
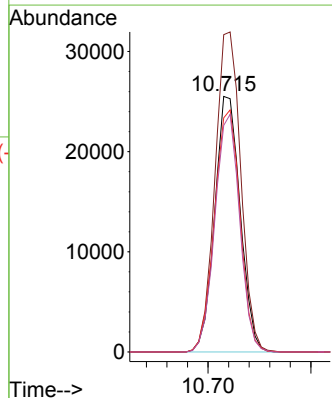
Ion Ratio Lower Upper

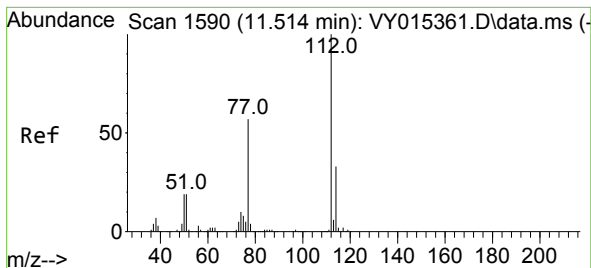
164 100

166 124.2 103.0 154.6

129 91.6 77.2 115.8

131 88.7 69.6 104.4





#65

Chlorobenzene

Concen: 20.267 ug/l

RT: 11.514 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY015393.D

Acq: 31 Aug 2023 11:02

Instrument :

MSVOA_Y

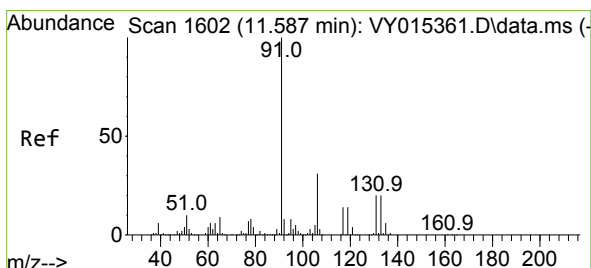
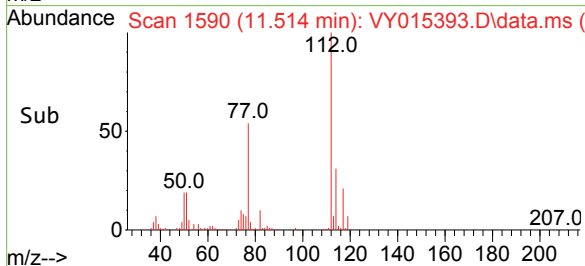
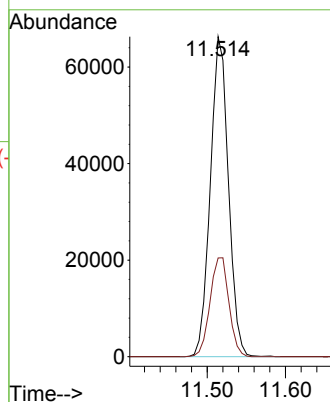
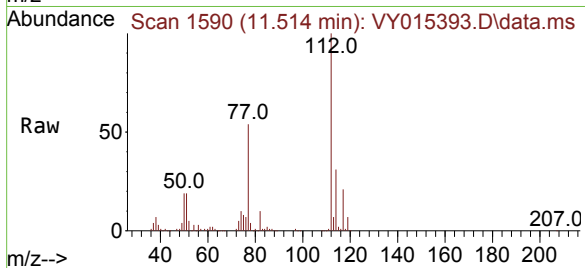
ClientSampleId :

Tgt Ion:112 Resp: 106198

Ion Ratio Lower Upper

112 100

114 30.8 25.5 38.3



#66

1,1,1,2-Tetrachloroethane

Concen: 20.004 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.006 min

Lab File: VY015393.D

Acq: 31 Aug 2023 11:02

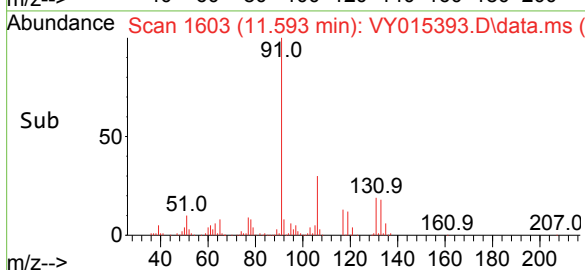
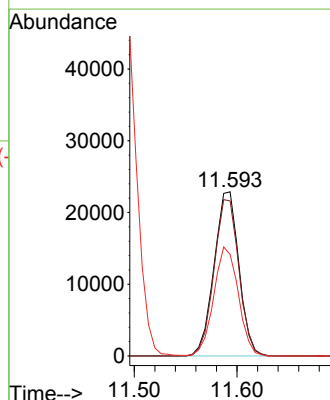
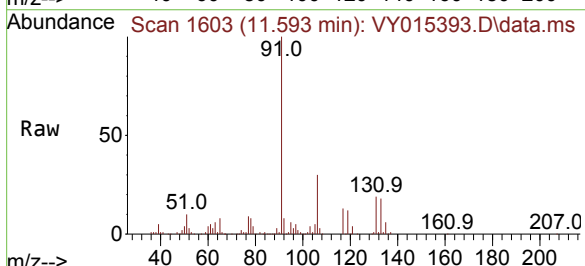
Tgt Ion:131 Resp: 38364

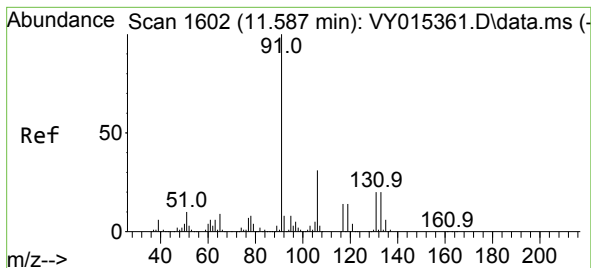
Ion Ratio Lower Upper

131 100

133 95.3 47.5 142.6

119 65.8 31.6 94.7





#67

Ethyl Benzene

Concen: 20.057 ug/l

RT: 11.593 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015393.D

Acq: 31 Aug 2023 11:02

Instrument :

MSVOA_Y

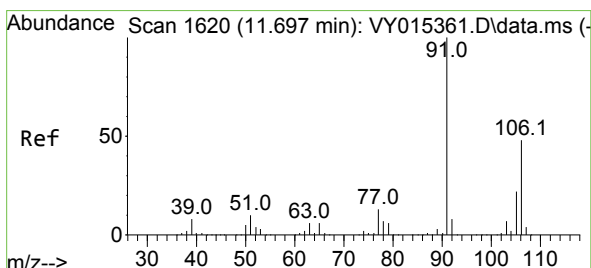
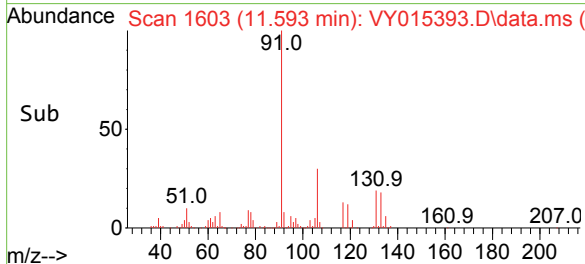
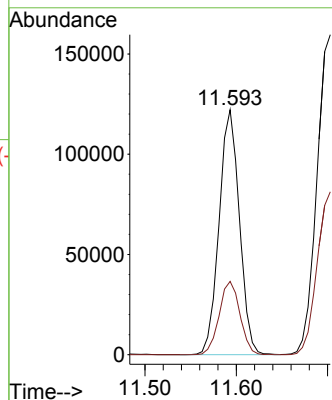
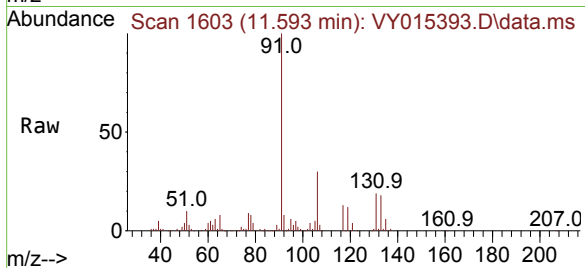
ClientSampleId :

Tgt Ion: 91 Resp: 188717

Ion Ratio Lower Upper

91 100

106 29.9 24.6 36.8



#68

m/p-Xylenes

Concen: 40.402 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. 0.000 min

Lab File: VY015393.D

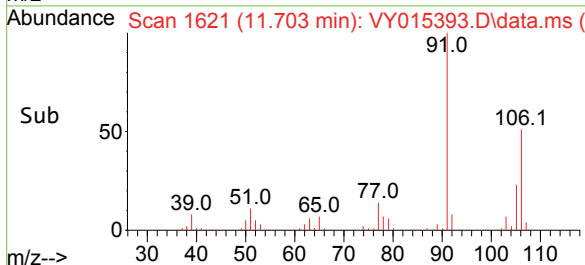
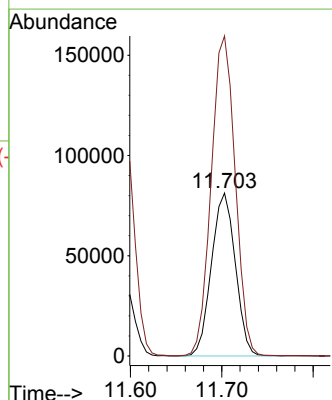
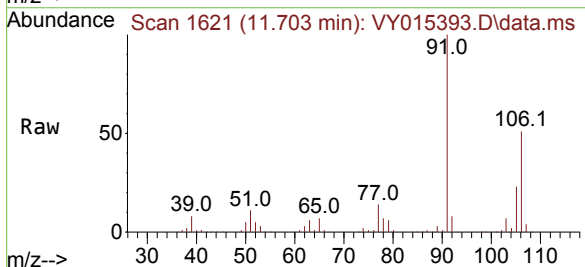
Acq: 31 Aug 2023 11:02

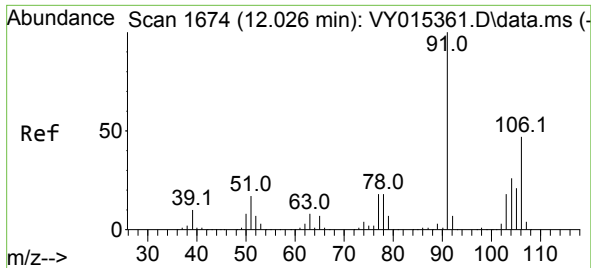
Tgt Ion:106 Resp: 147347

Ion Ratio Lower Upper

106 100

91 197.9 166.1 249.1

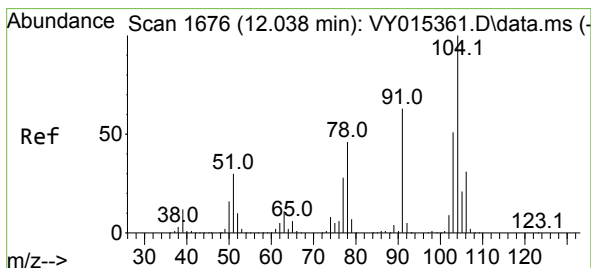
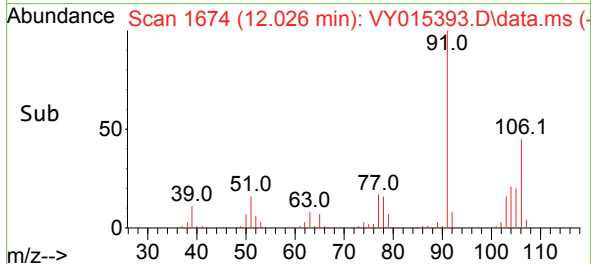
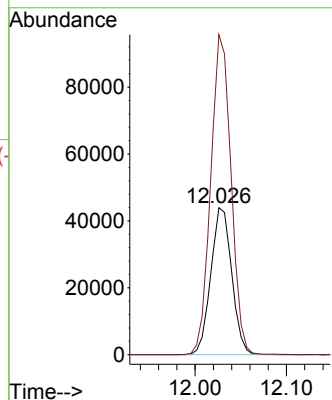
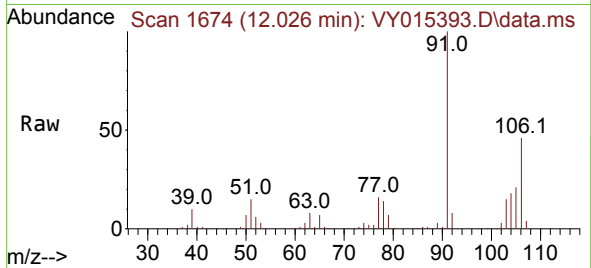




#69
o-Xylene
Concen: 20.009 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

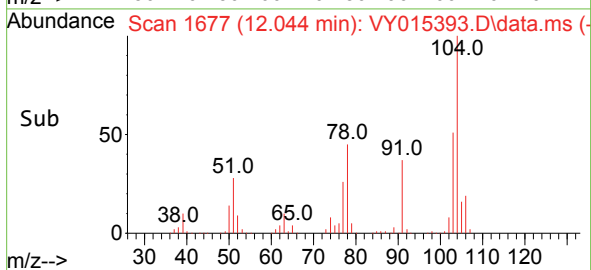
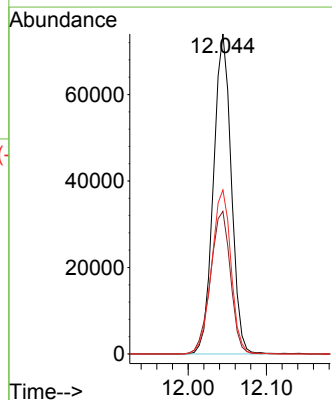
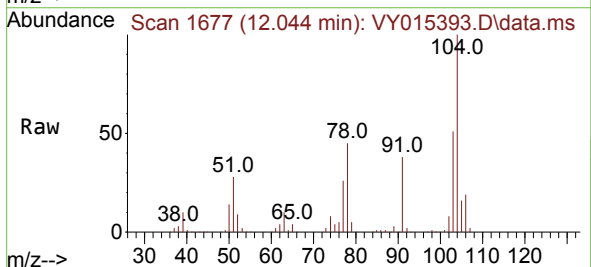
Instrument :
MSVOA_Y
ClientSampleId :

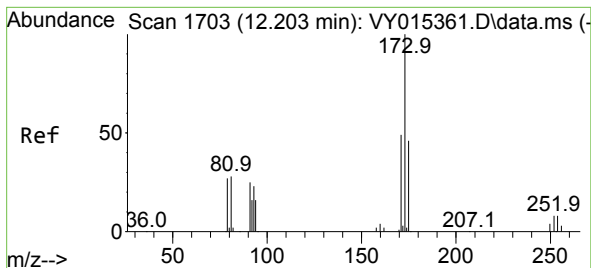
Tgt Ion:106 Resp: 69738
Ion Ratio Lower Upper
106 100
91 211.8 108.1 324.3



#70
Styrene
Concen: 20.004 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. 0.000 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

Tgt Ion:104 Resp: 117232
Ion Ratio Lower Upper
104 100
78 50.0 41.5 62.3
103 55.6 44.6 67.0





#71

Bromoform

Concen: 18.816 ug/l

RT: 12.209 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015393.D

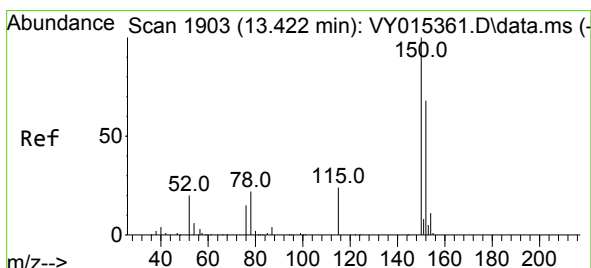
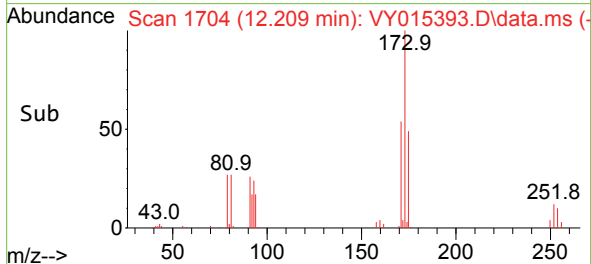
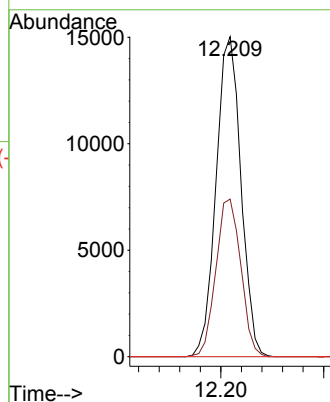
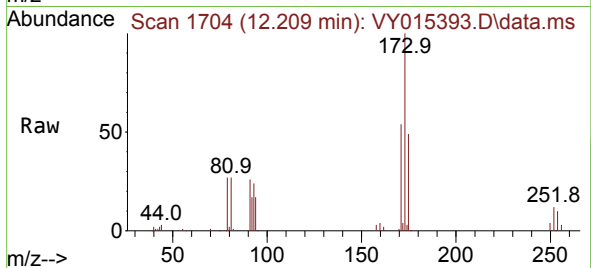
Acq: 31 Aug 2023 11:02

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:173	Resp:	25173
Ion Ratio	Lower	Upper
173	100	
175	49.4	24.6 73.8
254	0.0	0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

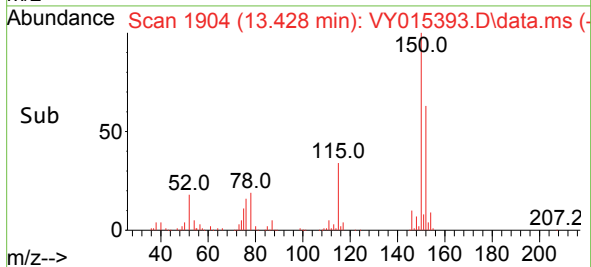
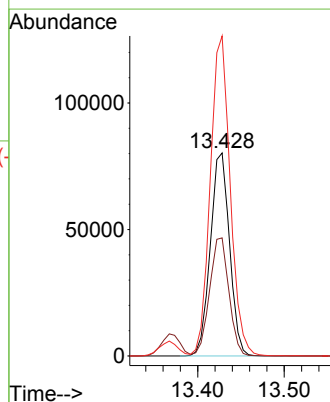
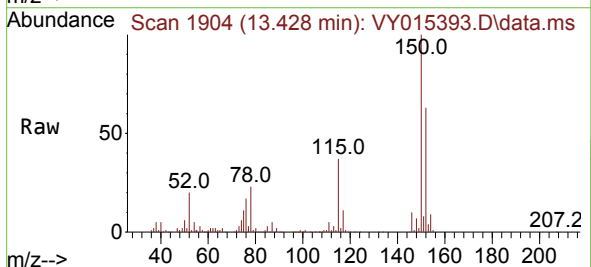
RT: 13.428 min Scan# 1904

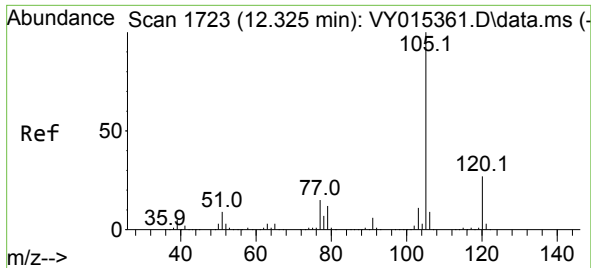
Delta R.T. 0.006 min

Lab File: VY015393.D

Acq: 31 Aug 2023 11:02

Tgt Ion:152	Resp:	123543
Ion Ratio	Lower	Upper
152	100	
115	58.6	28.8 86.5
150	163.1	0.0 348.8

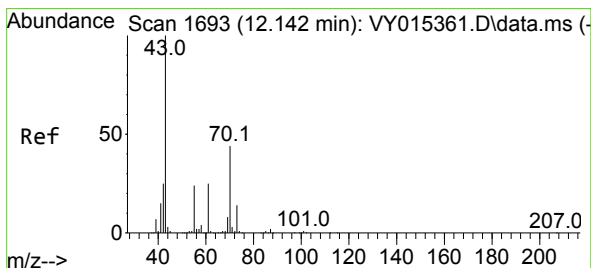
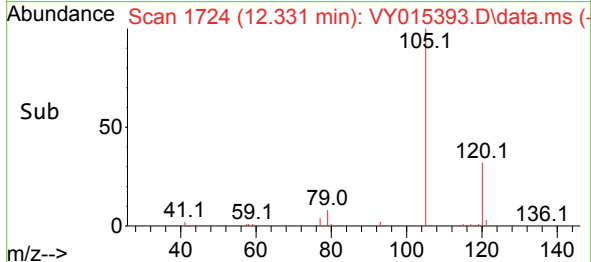
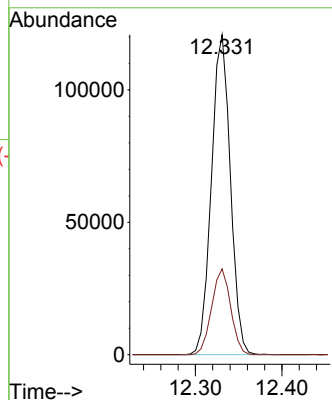
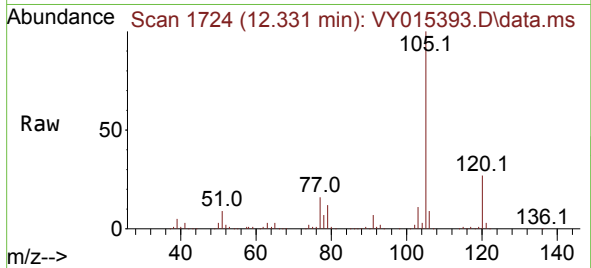




#73
Isopropylbenzene
Concen: 19.828 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.006 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

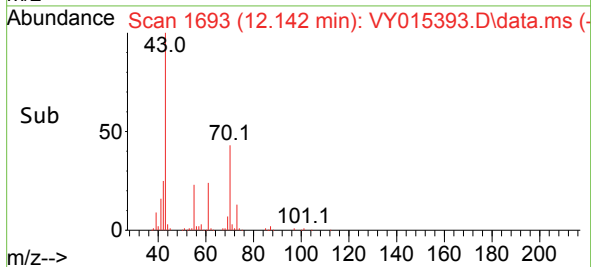
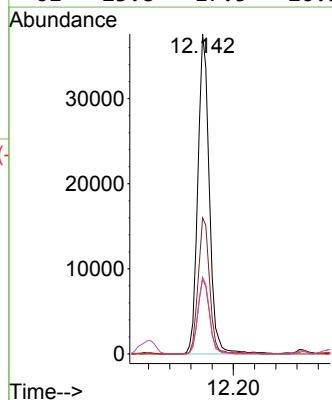
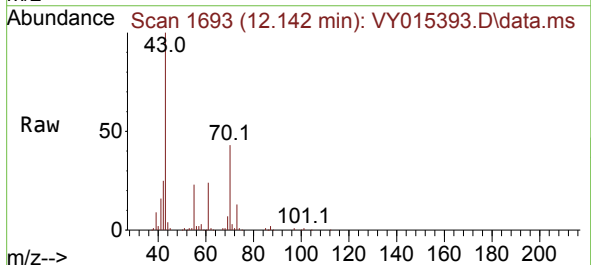
Instrument :
MSVOA_Y
ClientSampleId :

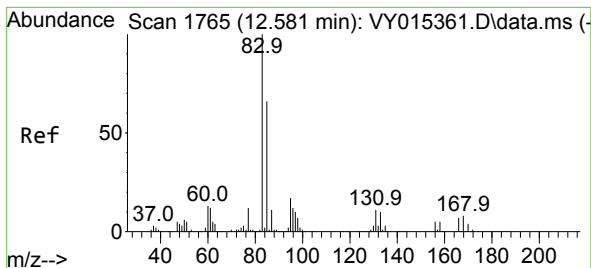
Tgt Ion:105 Resp: 184000
Ion Ratio Lower Upper
105 100
120 26.8 13.3 39.9



#74
N-ethyl acetate
Concen: 18.219 ug/l
RT: 12.142 min Scan# 1693
Delta R.T. 0.000 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

Tgt Ion: 43 Resp: 56800
Ion Ratio Lower Upper
43 100
70 42.3 29.7 44.5
55 24.0 18.3 27.5
61 23.8 17.5 26.3





#75

1,1,2,2-Tetrachloroethane

Concen: 18.942 ug/l

RT: 12.581 min Scan# 1765

Delta R.T. 0.000 min

Lab File: VY015393.D

Acq: 31 Aug 2023 11:02

Instrument :

MSVOA_Y

ClientSampleId :

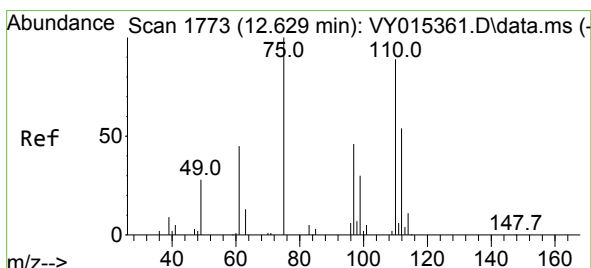
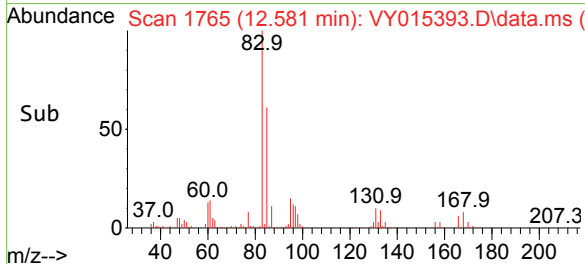
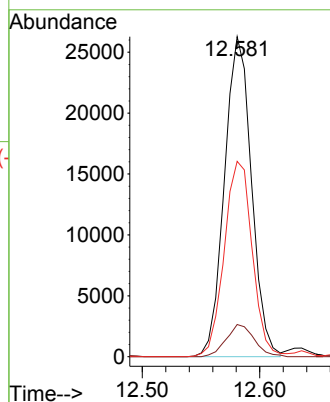
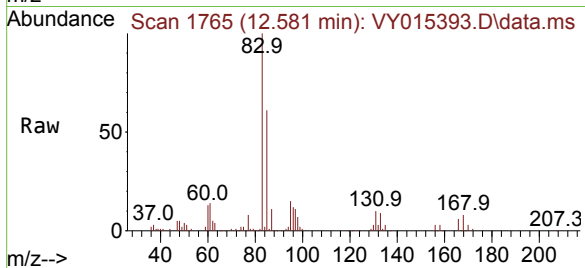
Tgt Ion: 83 Resp: 41962

Ion Ratio Lower Upper

83 100

131 10.5 5.4 16.2

85 63.4 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 33.972 ug/l

RT: 12.636 min Scan# 1774

Delta R.T. 0.006 min

Lab File: VY015393.D

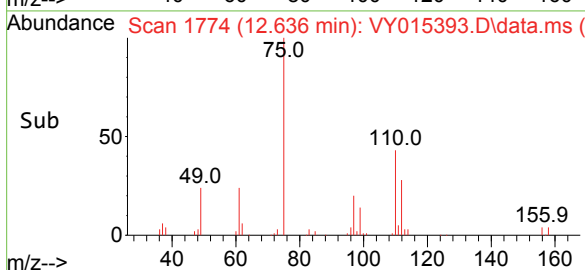
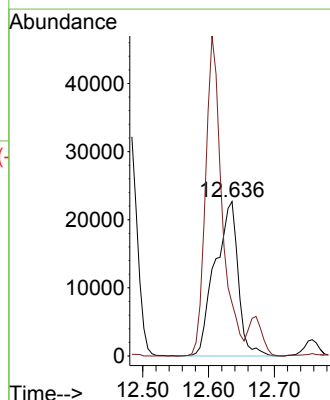
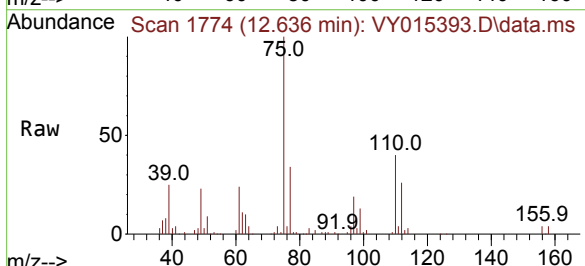
Acq: 31 Aug 2023 11:02

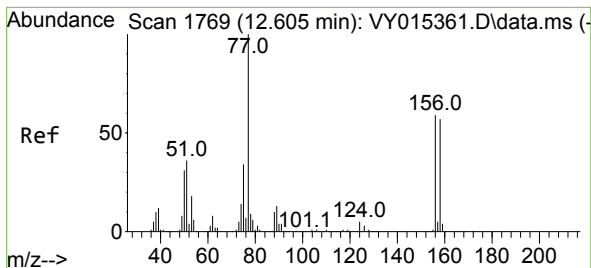
Tgt Ion: 75 Resp: 55656

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.414 ug/l

RT: 12.611 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015393.D

Acq: 31 Aug 2023 11:02

Instrument :

MSVOA_Y

ClientSampleId :

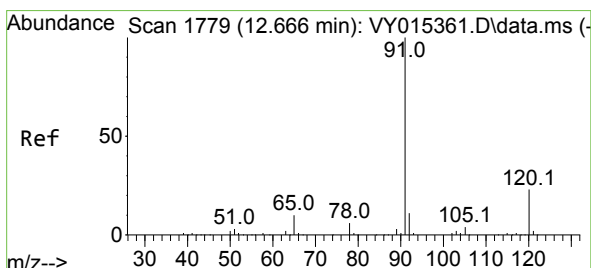
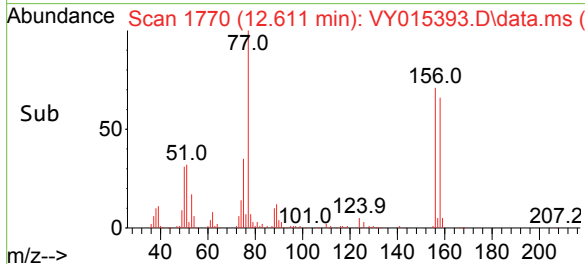
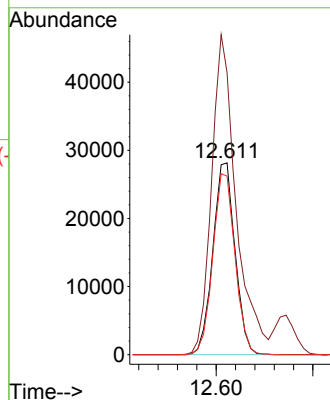
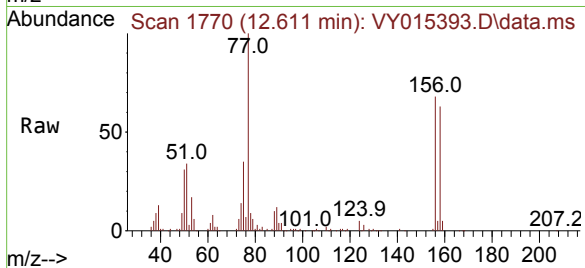
Tgt Ion:156 Resp: 44866

Ion Ratio Lower Upper

156 100

77 183.9 92.8 278.6

158 94.4 48.4 145.3



#78

n-propylbenzene

Concen: 20.098 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.006 min

Lab File: VY015393.D

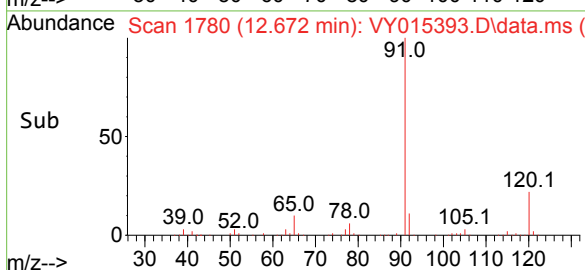
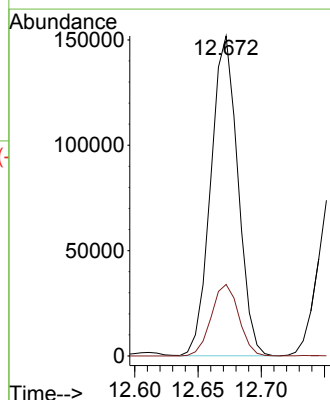
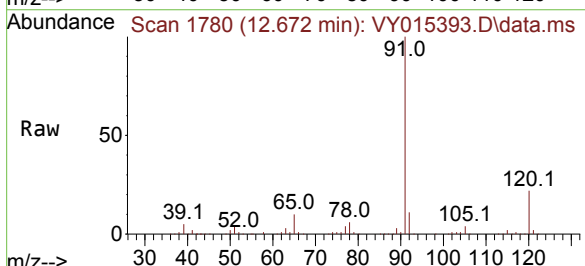
Acq: 31 Aug 2023 11:02

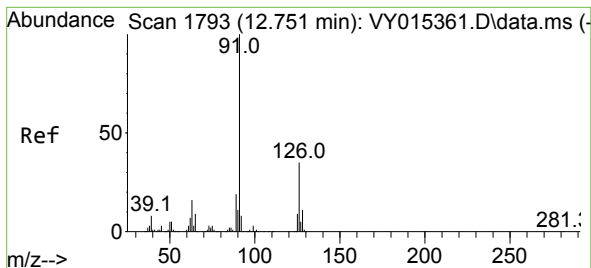
Tgt Ion: 91 Resp: 225674

Ion Ratio Lower Upper

91 100

120 22.8 11.5 34.4





#79

2-Chlorotoluene

Concen: 20.034 ug/l

RT: 12.758 min Scan# 1793

Delta R.T. 0.006 min

Lab File: VY015393.D

Acq: 31 Aug 2023 11:02

Instrument :

MSVOA_Y

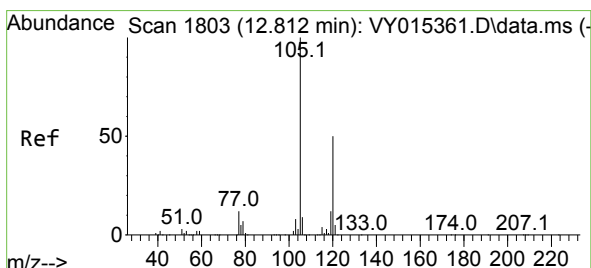
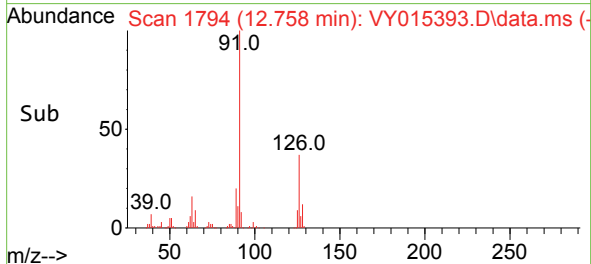
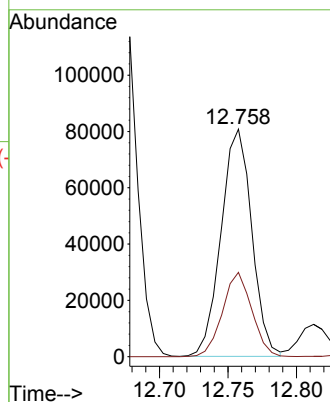
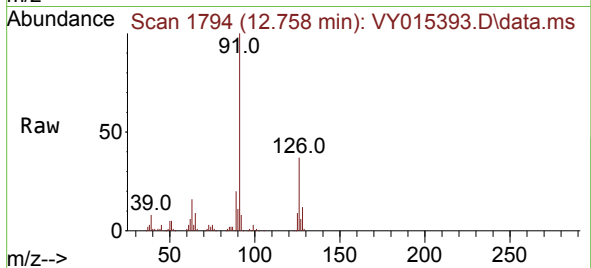
ClientSampleId :

Tgt Ion: 91 Resp: 126178

Ion Ratio Lower Upper

91 100

126 35.4 17.3 51.7



#80

1,3,5-Trimethylbenzene

Concen: 19.869 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY015393.D

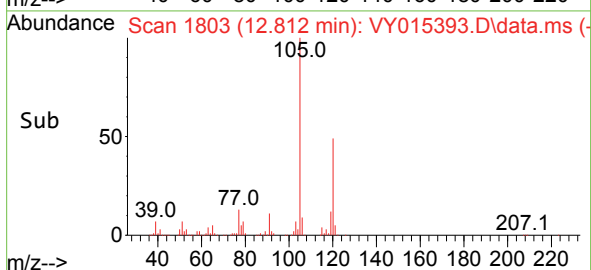
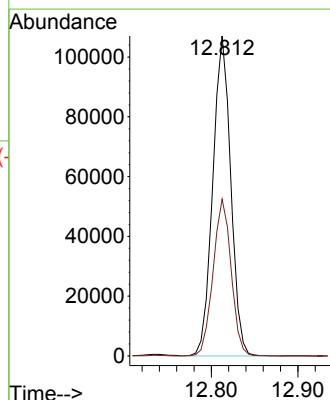
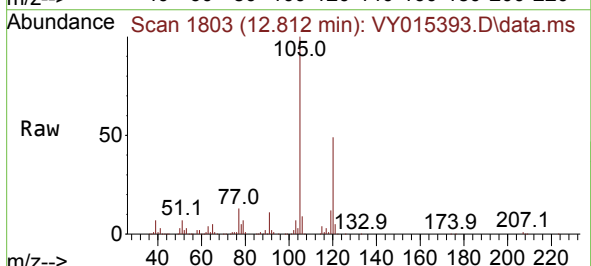
Acq: 31 Aug 2023 11:02

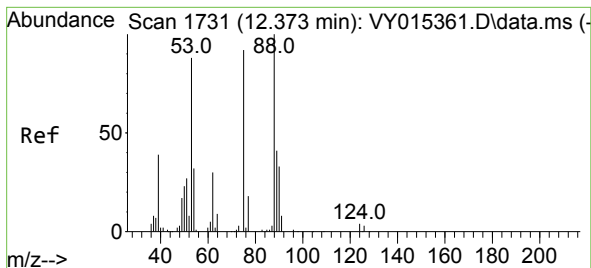
Tgt Ion:105 Resp: 154222

Ion Ratio Lower Upper

105 100

120 49.2 23.9 71.7

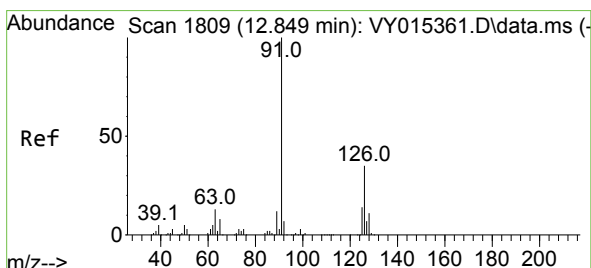
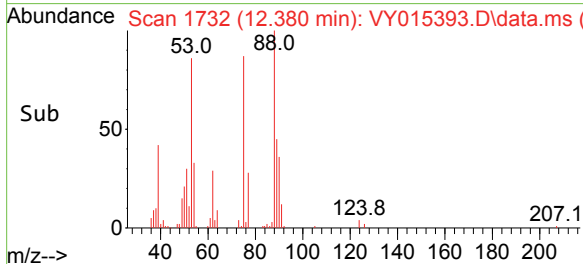
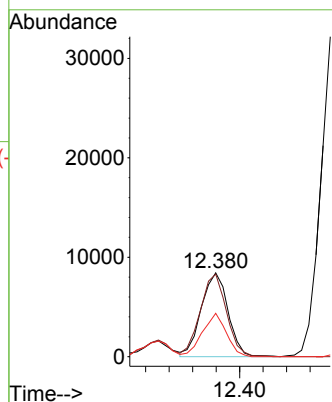
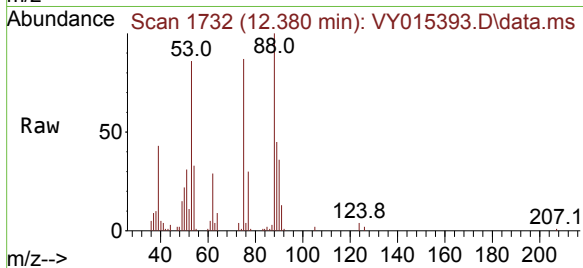




#81
trans-1,4-Dichloro-2-butene
Concen: 17.970 ug/l
RT: 12.380 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

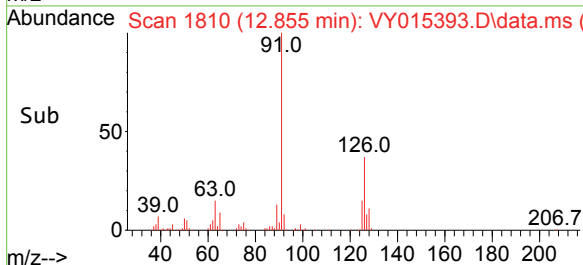
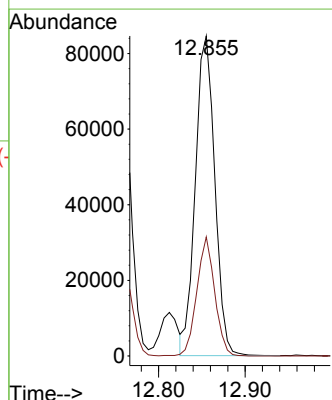
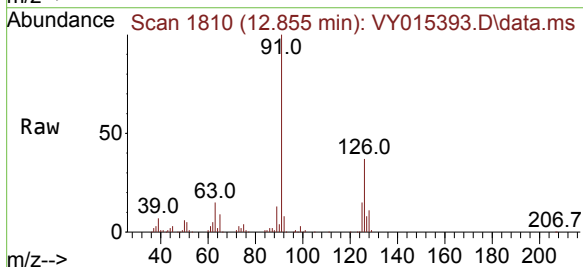
Instrument :
MSVOA_Y
ClientSampleId :

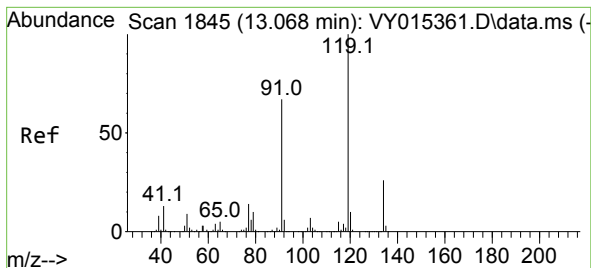
Tgt Ion: 75 Resp: 13346
Ion Ratio Lower Upper
75 100
53 96.7 77.8 116.8
89 46.3 37.4 56.0



#82
4-Chlorotoluene
Concen: 20.098 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. 0.006 min
Lab File: VY015393.D
Acq: 31 Aug 2023 11:02

Tgt Ion: 91 Resp: 131554
Ion Ratio Lower Upper
91 100
126 34.4 17.2 51.6





#83

tert-Butylbenzene

Concen: 19.451 ug/l

RT: 13.075 min Scan# 1846

Delta R.T. 0.000 min

Lab File: VY015393.D

Acq: 31 Aug 2023 11:02

Instrument :

MSVOA_Y

ClientSampleId :

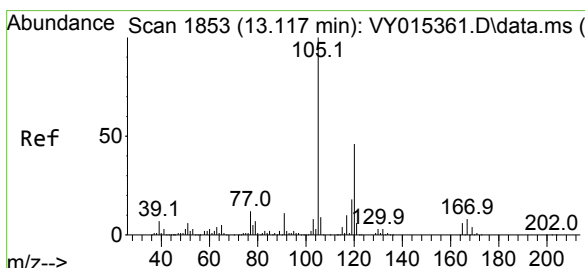
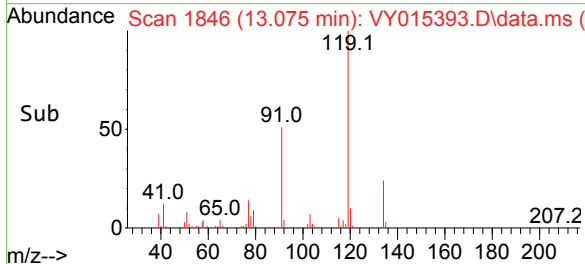
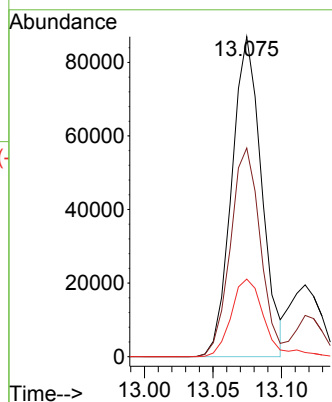
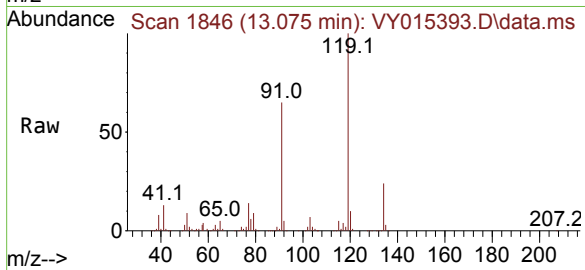
Tgt Ion:119 Resp: 132239

Ion Ratio Lower Upper

119 100

91 65.3 32.9 98.6

134 27.0 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 20.054 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY015393.D

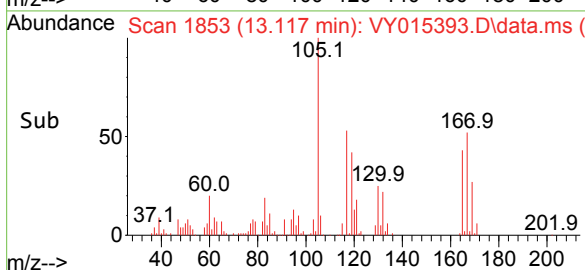
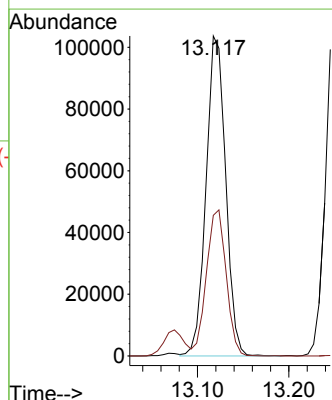
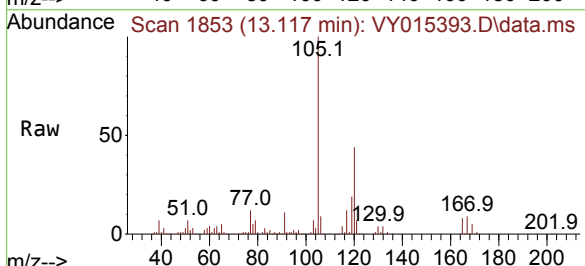
Acq: 31 Aug 2023 11:02

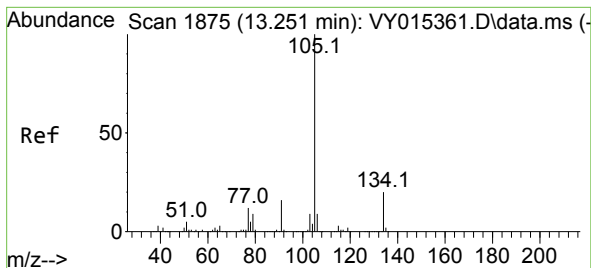
Tgt Ion:105 Resp: 154546

Ion Ratio Lower Upper

105 100

120 46.0 22.2 66.6





#85

sec-Butylbenzene

Concen: 19.917 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY015393.D

Acq: 31 Aug 2023 11:02

Instrument :

MSVOA_Y

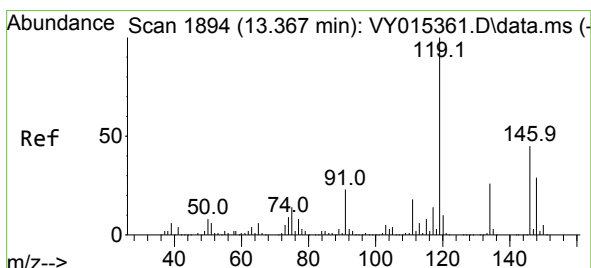
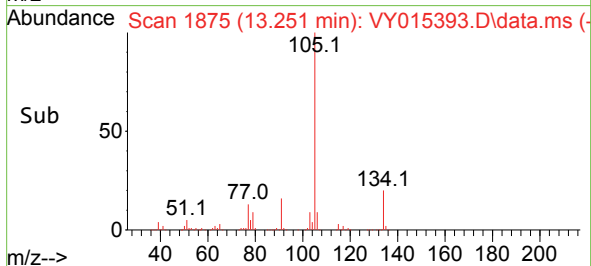
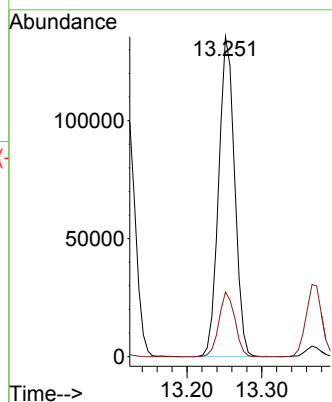
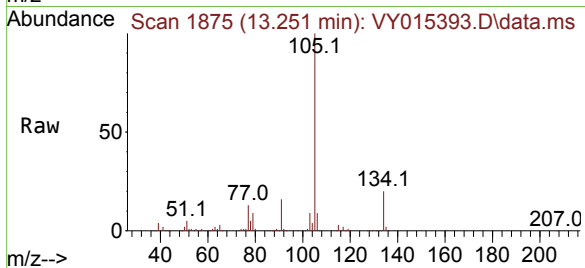
ClientSampleId :

Tgt Ion:105 Resp: 201964

Ion Ratio Lower Upper

105 100

134 20.2 10.2 30.6



#86

p-Isopropyltoluene

Concen: 19.690 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY015393.D

Acq: 31 Aug 2023 11:02

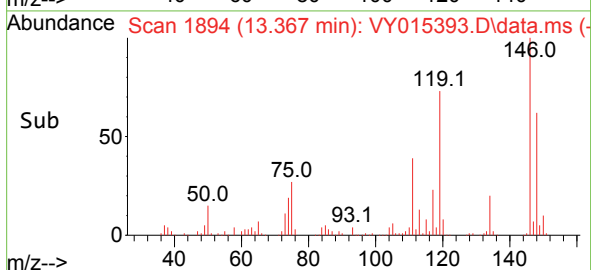
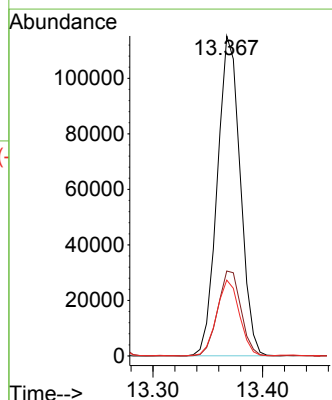
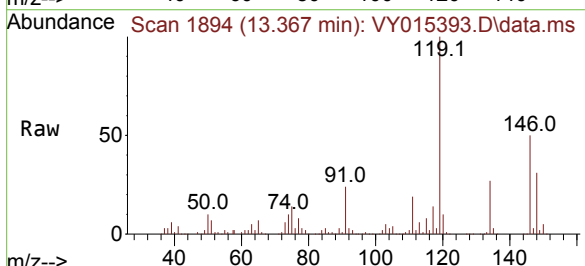
Tgt Ion:119 Resp: 167337

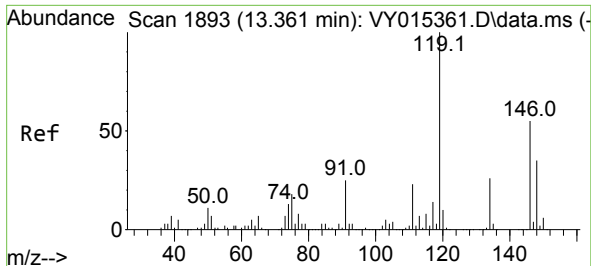
Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.8

91 23.5 12.4 37.4

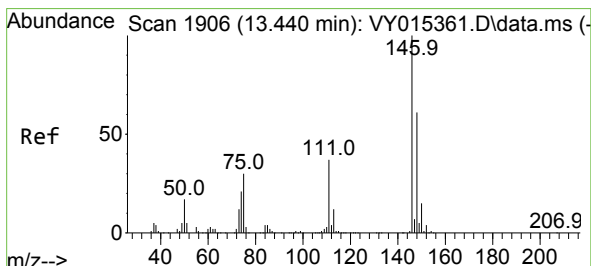
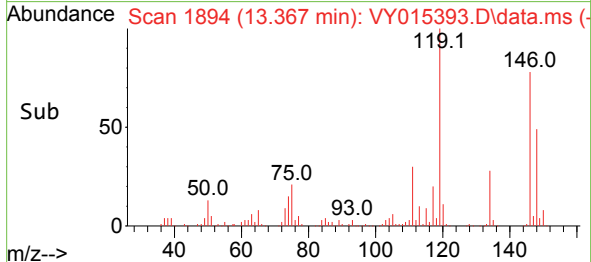
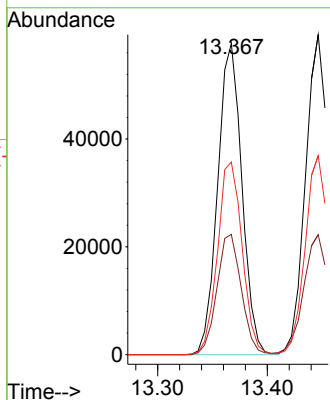
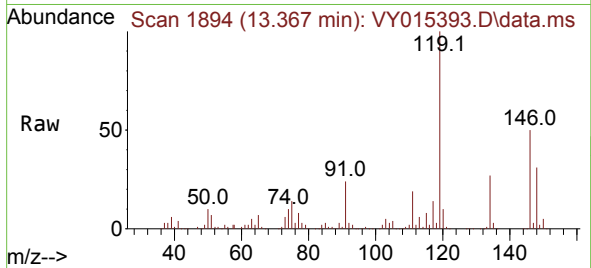




#87
 1,3-Dichlorobenzene
 Concen: 20.394 ug/l
 RT: 13.367 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VY015393.D
 Acq: 31 Aug 2023 11:02

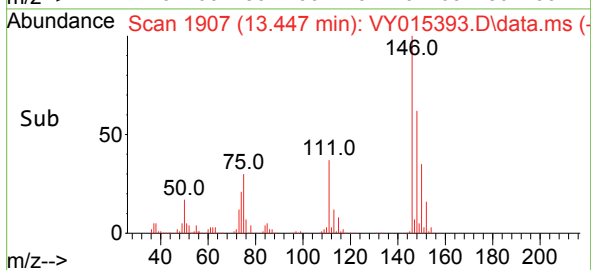
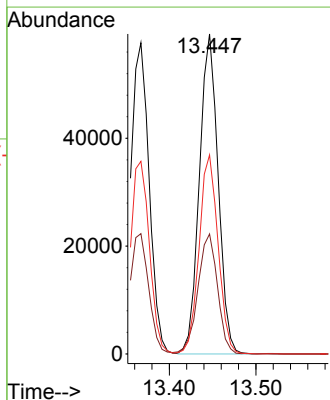
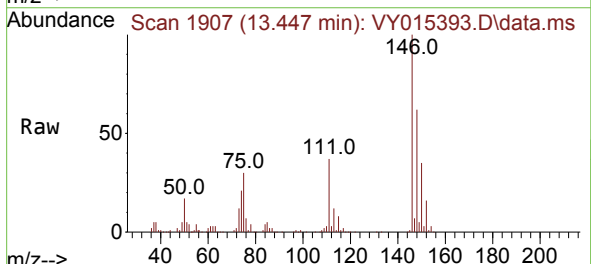
Instrument :
 MSVOA_Y
 ClientSampleId :

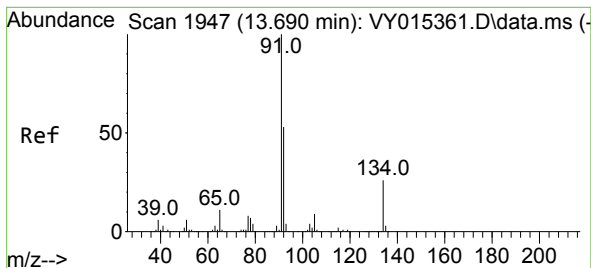
Tgt Ion:146 Resp: 88490
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.4 58.2
 148 63.2 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 20.350 ug/l
 RT: 13.447 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY015393.D
 Acq: 31 Aug 2023 11:02

Tgt Ion:146 Resp: 89257
 Ion Ratio Lower Upper
 146 100
 111 39.3 18.9 56.7
 148 63.1 32.1 96.5





#89

n-Butylbenzene

Concen: 19.933 ug/l

RT: 13.696 min Scan# 1947

Delta R.T. 0.000 min

Lab File: VY015393.D

Acq: 31 Aug 2023 11:02

Instrument :

MSVOA_Y

ClientSampleId :

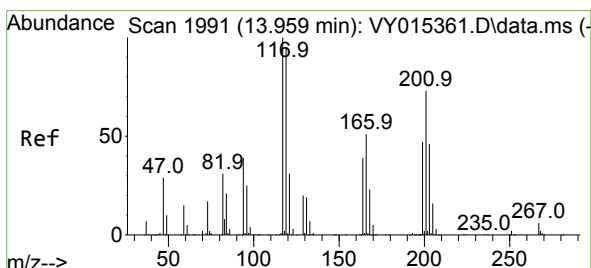
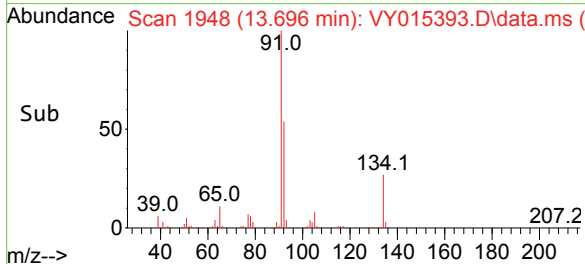
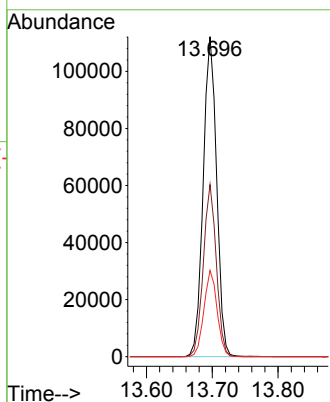
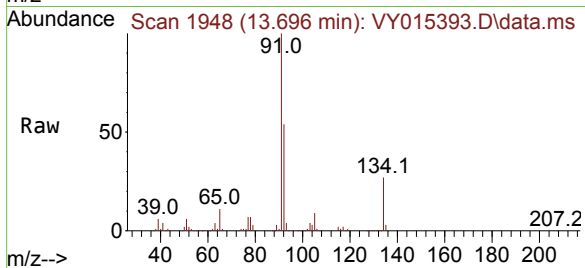
Tgt Ion: 91 Resp: 159446

Ion Ratio Lower Upper

91 100

92 52.2 25.4 76.0

134 26.4 12.6 37.6



#90

Hexachloroethane

Concen: 20.190 ug/l

RT: 13.959 min Scan# 1991

Delta R.T. 0.000 min

Lab File: VY015393.D

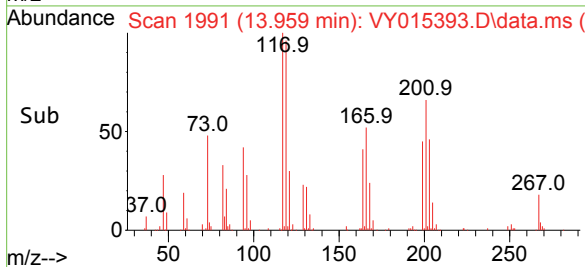
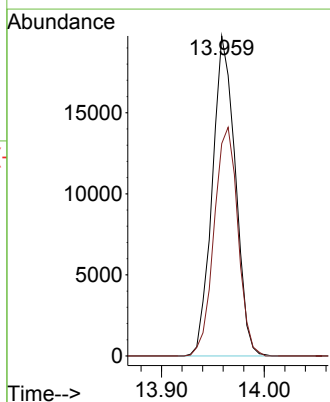
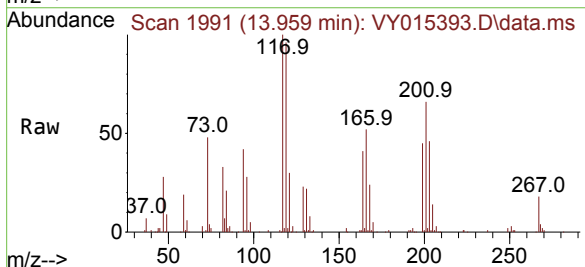
Acq: 31 Aug 2023 11:02

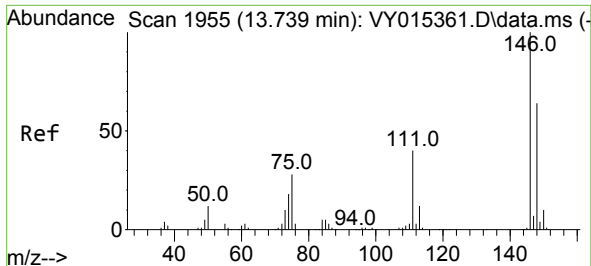
Tgt Ion: 117 Resp: 30688

Ion Ratio Lower Upper

117 100

201 73.9 41.6 124.8





#91

1,2-Dichlorobenzene

Concen: 20.086 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. 0.000 min

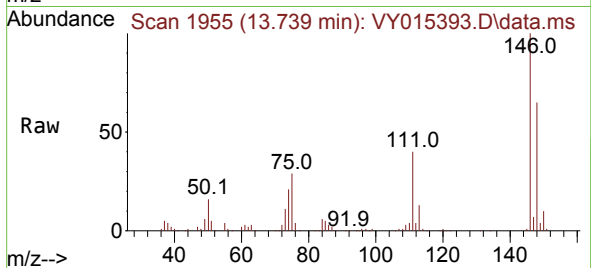
Lab File: VY015393.D

Acq: 31 Aug 2023 11:02

Instrument :

MSVOA_Y

ClientSampleId :



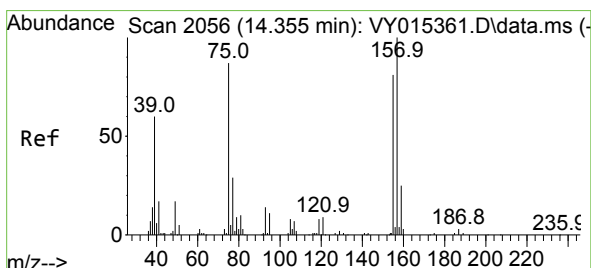
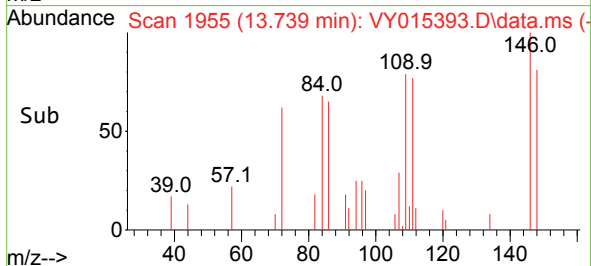
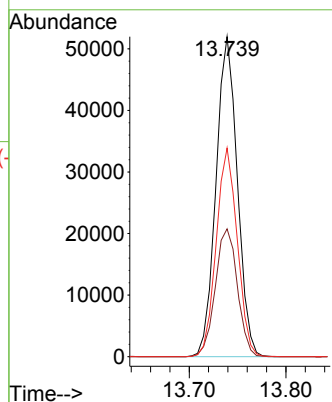
Tgt Ion:146 Resp: 79534

Ion Ratio Lower Upper

146 100

111 41.4 19.7 59.0

148 64.4 32.0 96.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.882 ug/l

RT: 14.355 min Scan# 2056

Delta R.T. 0.000 min

Lab File: VY015393.D

Acq: 31 Aug 2023 11:02

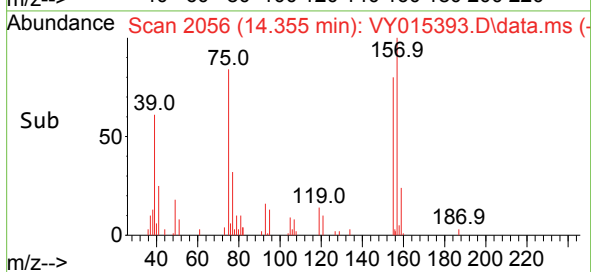
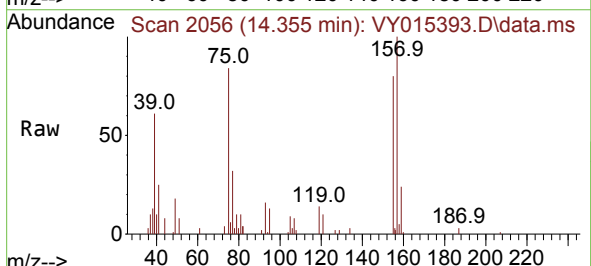
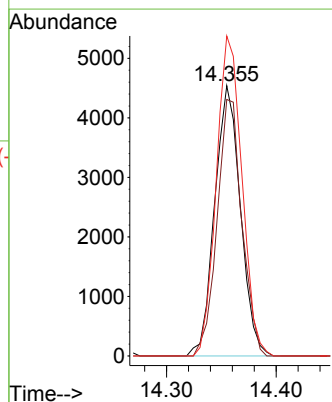
Tgt Ion: 75 Resp: 7398

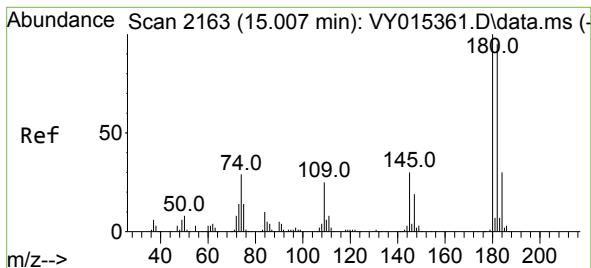
Ion Ratio Lower Upper

75 100

155 91.5 41.5 124.6

157 117.8 51.8 155.5





#93

1,2,4-Trichlorobenzene

Concen: 19.865 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.006 min

Lab File: VY015393.D

Acq: 31 Aug 2023 11:02

Instrument :

MSVOA_Y

ClientSampleId :

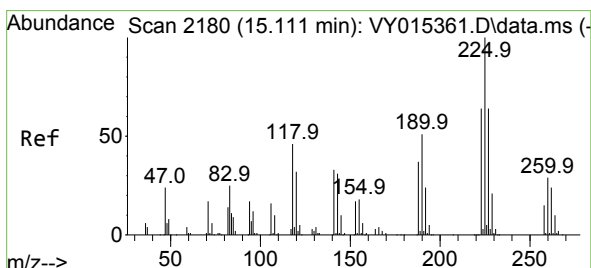
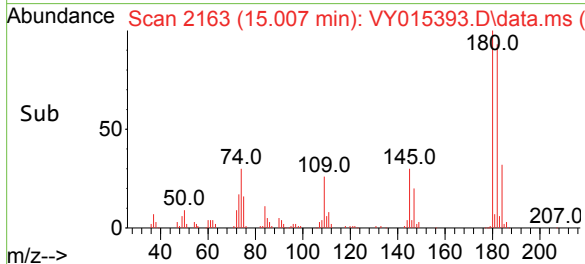
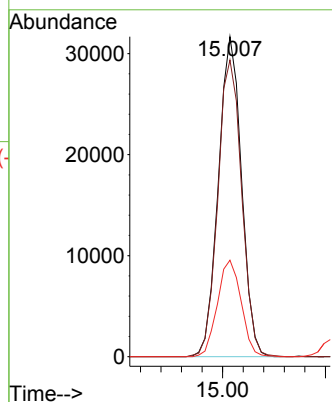
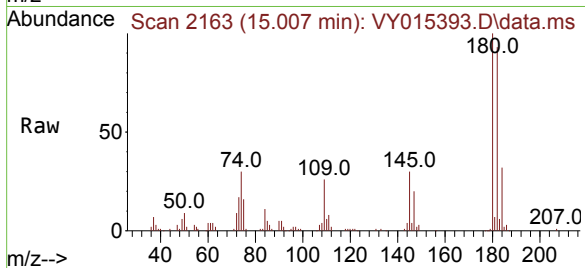
Tgt Ion:180 Resp: 49400

Ion Ratio Lower Upper

180 100

182 95.5 47.0 141.2

145 31.0 14.5 43.5



#94

Hexachlorobutadiene

Concen: 20.137 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. 0.000 min

Lab File: VY015393.D

Acq: 31 Aug 2023 11:02

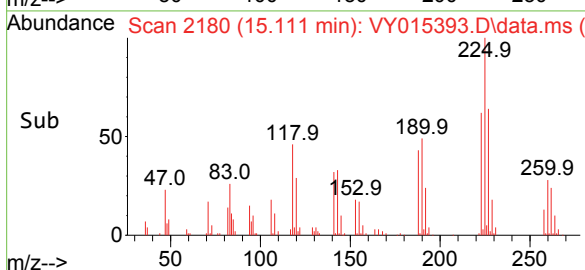
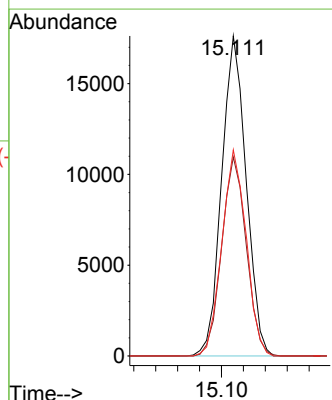
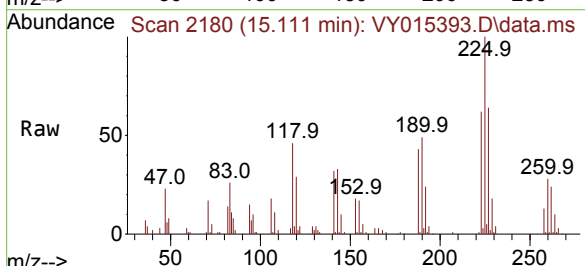
Tgt Ion:225 Resp: 27306

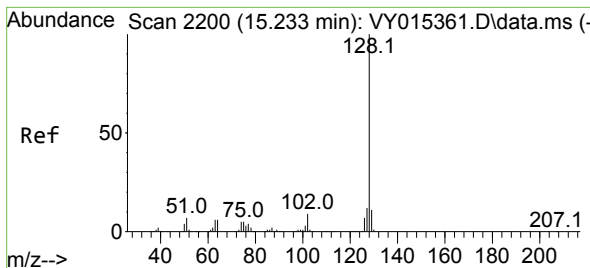
Ion Ratio Lower Upper

225 100

223 62.4 31.9 95.9

227 64.0 33.0 98.9





#95

Naphthalene

Concen: 18.370 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. 0.000 min

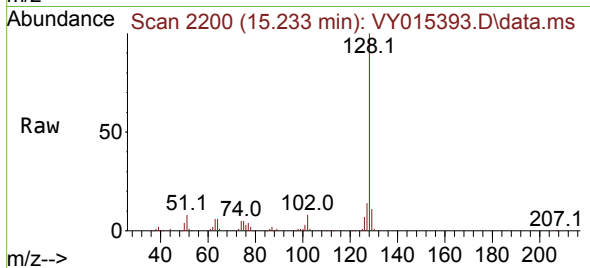
Lab File: VY015393.D

Acq: 31 Aug 2023 11:02

Instrument :

MSVOA_Y

ClientSampleId :



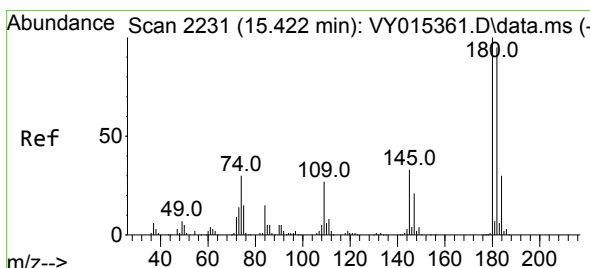
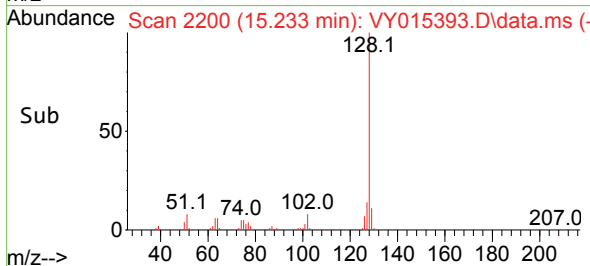
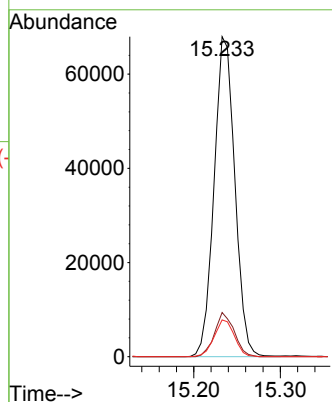
Tgt Ion:128 Resp: 113160

Ion Ratio Lower Upper

128 100

127 13.1 10.8 16.2

129 11.2 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 19.936 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY015393.D

Acq: 31 Aug 2023 11:02

Tgt Ion:180 Resp: 45219

Ion Ratio Lower Upper

180 100

182 96.1 47.3 141.8

145 32.2 15.4 46.2

