

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042623\
 Data File : VY013485.D
 Acq On : 26 Apr 2023 19:45
 Operator : KP/MD
 Sample : 02401-06MS
 Misc : 2.95g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20230318-31-4MS

Quant Time: Apr 27 01:38:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	157486	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	256161	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	214227	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	82312	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	95533	55.337	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.680%
35) Dibromofluoromethane	7.716	113	85078	52.806	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.620%
50) Toluene-d8	10.179	98	288072	50.261	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.520%
62) 4-Bromofluorobenzene	12.483	95	87711	45.394	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.780%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	91931	61.402	ug/l	99
3) Chloromethane	2.113	50	127929	63.745	ug/l	99
4) Vinyl Chloride	2.253	62	126006	63.059	ug/l	100
5) Bromomethane	2.656	94	72245	45.369	ug/l	96
6) Chloroethane	2.796	64	84626	61.303	ug/l	99
7) Trichlorofluoromethane	3.125	101	167458	55.319	ug/l	99
8) Diethyl Ether	3.528	74	56049	54.372	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.899	101	92135	54.262	ug/l	93
10) Methyl Iodide	4.095	142	62229	29.179	ug/l	99
11) Tert butyl alcohol	4.979	59	40185	206.772	ug/l #	89
12) 1,1-Dichloroethene	3.875	96	87943	53.731	ug/l	91
13) Acrolein	3.735	56	1659	2.223	ug/l	98
14) Allyl chloride	4.479	41	144883	47.706	ug/l	96
15) Acrylonitrile	5.168	53	141682	245.418	ug/l	99
16) Acetone	3.954	43	196026	288.328	ug/l	94
17) Carbon Disulfide	4.198	76	213801	40.214	ug/l	99
18) Methyl Acetate	4.479	43	200335	89.217	ug/l	91
19) Methyl tert-butyl Ether	5.222	73	271096	57.372	ug/l	97
20) Methylene Chloride	4.716	84	128338	62.236	ug/l #	83
21) trans-1,2-Dichloroethene	5.222	96	93982	52.517	ug/l	94
22) Diisopropyl ether	6.119	45	360111	60.666	ug/l #	92
23) Vinyl Acetate	6.058	43	275043	81.836	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	196736	59.467	ug/l	97
25) 2-Butanone	6.990	43	235415	273.032	ug/l	92
26) 2,2-Dichloropropane	6.984	77	157954	55.408	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	111548	56.416	ug/l	92
28) Bromochloromethane	7.332	49	72126	61.437	ug/l #	78
29) Tetrahydrofuran	7.350	42	141307	263.280	ug/l	90
30) Chloroform	7.509	83	199515	60.656	ug/l	97
31) Cyclohexane	7.789	56	153976	49.815	ug/l	86
32) 1,1,1-Trichloroethane	7.704	97	169354	57.698	ug/l	96
36) 1,1-Dichloropropene	7.917	75	140448	52.525	ug/l	96
37) Ethyl Acetate	7.076	43	82334	40.917	ug/l	95
38) Carbon Tetrachloride	7.899	117	111812	39.896	ug/l	96
39) Methylcyclohexane	9.185	83	124241	39.413	ug/l	96
40) Benzene	8.161	78	418147	55.516	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.344	41	135163	144.147	ug/l #	32
42) 1,2-Dichloroethane	8.234	62	137675	55.909	ug/l	98
43) Isopropyl Acetate	8.271	43	164589	48.460	ug/l	96
44) Trichloroethene	8.941	130	107893	53.851	ug/l	98
45) 1,2-Dichloropropane	9.216	63	111940	56.840	ug/l	98
46) Dibromomethane	9.301	93	65691	55.748	ug/l	91
47) Bromodichloromethane	9.496	83	143084	54.266	ug/l	98
48) Methyl methacrylate	9.289	41	94846	60.805	ug/l	91
49) 1,4-Dioxane	9.313	88	13279	789.042	ug/l #	87
51) 4-Methyl-2-Pentanone	10.069	43	513060	271.084	ug/l	96
52) Toluene	10.246	92	249067	54.950	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	107312	38.456	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	108398	34.522	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	86299	55.303	ug/l	97
56) Ethyl methacrylate	10.508	69	97584	45.075	ug/l #	85
57) 1,3-Dichloropropane	10.788	76	144653	54.734	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	203536	250.718	ug/l	91
59) 2-Hexanone	10.831	43	370796	269.516	ug/l	95
60) Dibromochloromethane	10.984	129	91971	48.539	ug/l	99
61) 1,2-Dibromoethane	11.087	107	78082	50.894	ug/l	99
64) Tetrachloroethene	10.721	164	118137	72.521	ug/l	89
65) Chlorobenzene	11.514	112	248902	53.336	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	94967	54.412	ug/l	99
67) Ethyl Benzene	11.593	91	450243	54.943	ug/l	99
68) m/p-Xylenes	11.703	106	336292	107.950	ug/l	96
69) o-Xylene	12.026	106	161507	54.818	ug/l	97
70) Styrene	12.044	104	237718	48.256	ug/l	98
71) Bromoform	12.209	173	53646	43.882	ug/l #	99
73) Isopropylbenzene	12.331	105	388579	62.414	ug/l	98
74) N-amyl acetate	12.142	43	70622	31.876	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	100124	65.795	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	114521	103.165	ug/l #	100
77) Bromobenzene	12.605	156	93637	62.072	ug/l	90
78) n-propylbenzene	12.672	91	449783	58.654	ug/l	96
79) 2-Chlorotoluene	12.758	91	263855	61.615	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	294932	58.041	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.380	75	14935	27.521	ug/l	94
82) 4-Chlorotoluene	12.855	91	270283	60.556	ug/l	96
83) tert-Butylbenzene	13.075	119	236007	53.609	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	289247	58.548	ug/l	99
85) sec-Butylbenzene	13.251	105	316849	47.955	ug/l	96
86) p-Isopropyltoluene	13.367	119	250616	47.167	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	151191	52.606	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	152022	52.364	ug/l	98
89) n-Butylbenzene	13.696	91	207000	39.916	ug/l	97
90) Hexachloroethane	13.959	117	22156	19.813	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	137304	52.905	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14271	53.100	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	43756	28.278	ug/l	99
94) Hexachlorobutadiene	15.111	225	14189	15.756	ug/l	98
95) Naphthalene	15.233	128	124001	36.935	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	36821	26.699	ug/l	97

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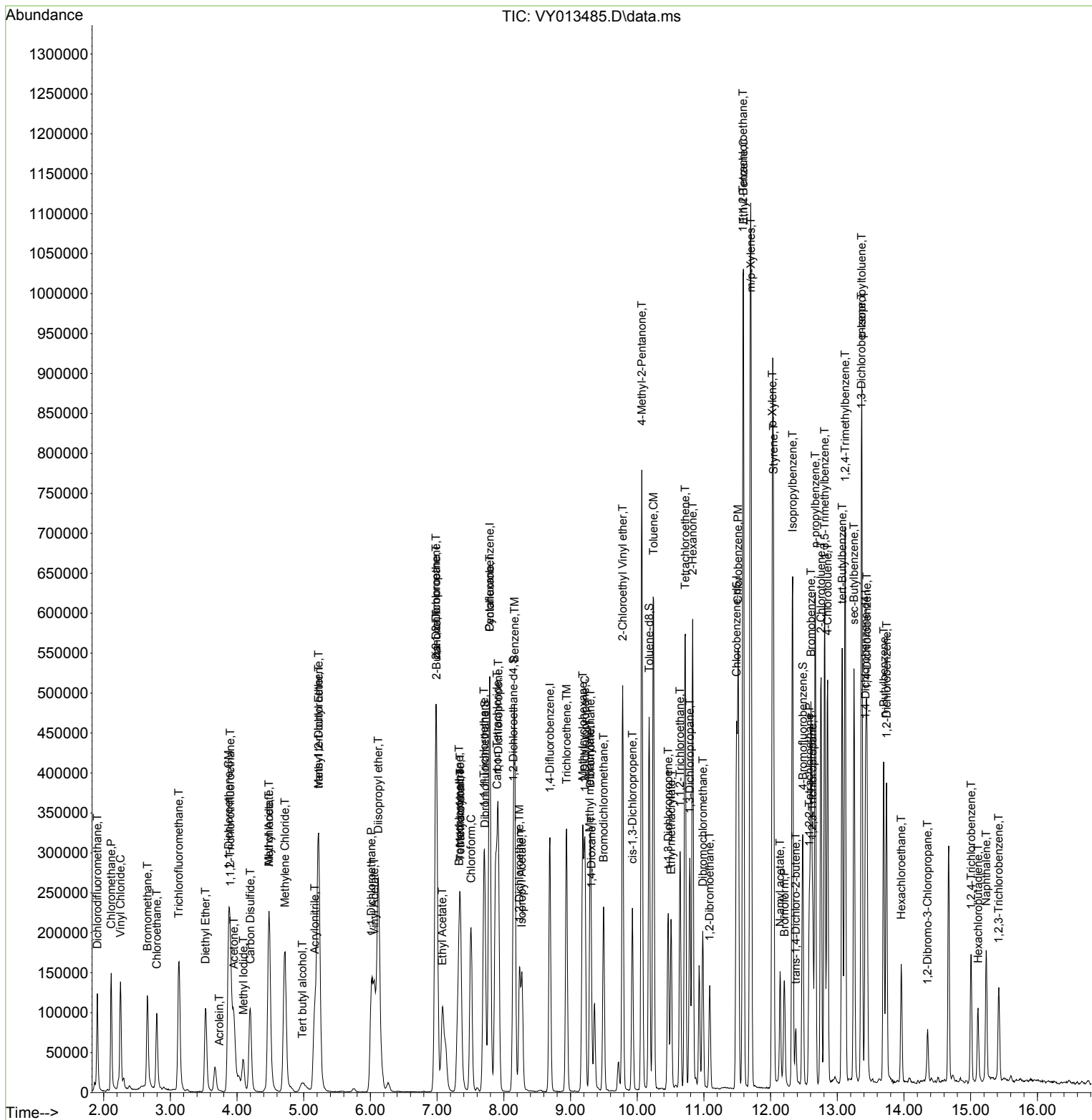
Instrument :
MSVOA_Y
ClientSampleId :
20230318-31-4MS

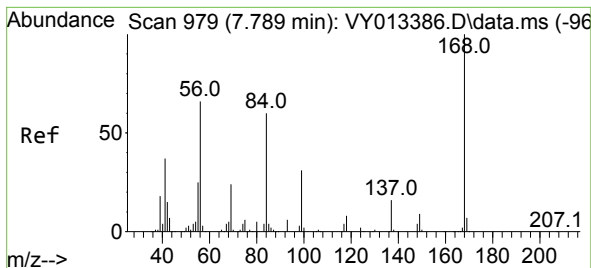
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.789 min Scan# 91

Delta R.T. 0.000 min

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MSVOA_Y

ClientSampleId :

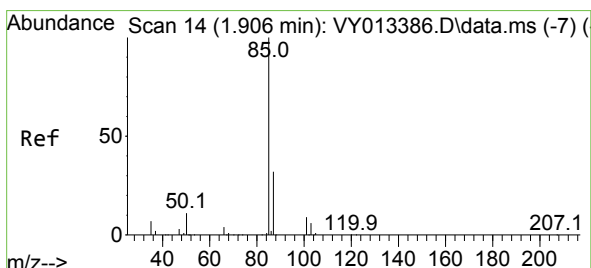
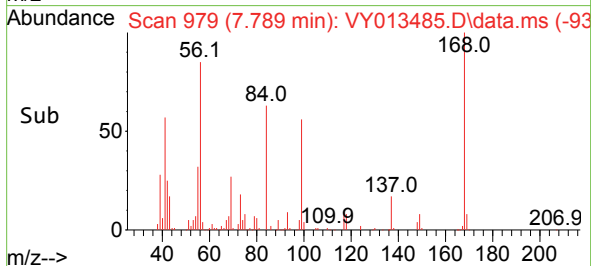
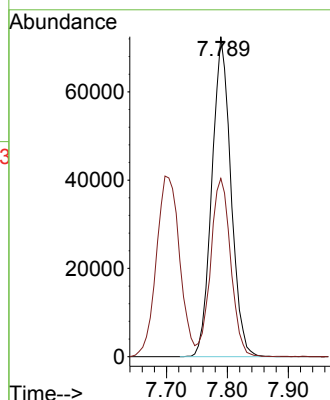
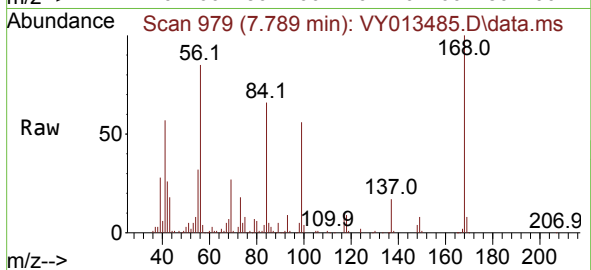
20230318-31-4MS

Tgt Ion:168 Resp: 157486

Ion Ratio Lower Upper

168 100

99 55.6 41.8 62.6



#2

Dichlorodifluoromethane

Concen: 61.402 ug/l

RT: 1.906 min Scan# 14

Delta R.T. -0.000 min

Lab File: VY013485.D

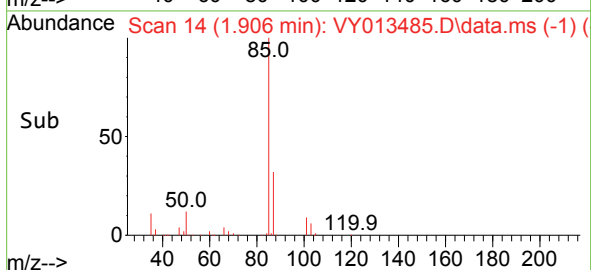
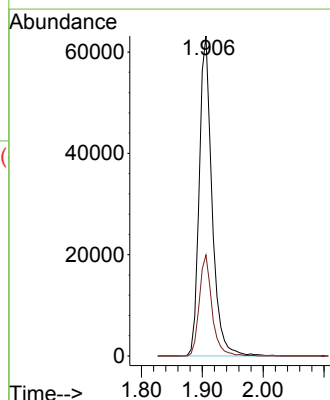
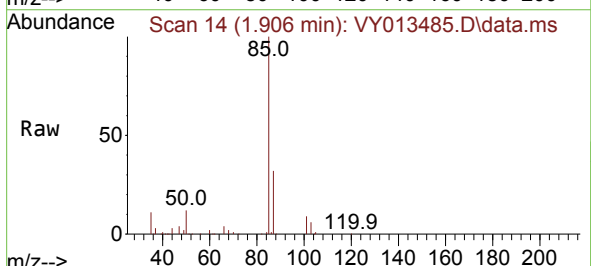
Acq: 26 Apr 2023 19:45

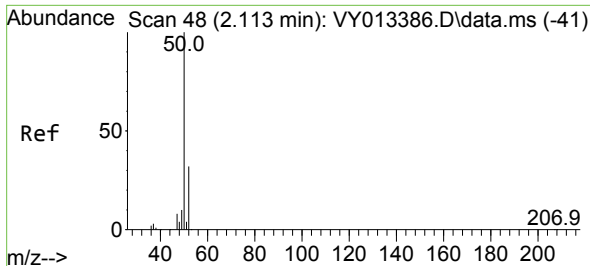
Tgt Ion: 85 Resp: 91931

Ion Ratio Lower Upper

85 100

87 31.6 16.1 48.2

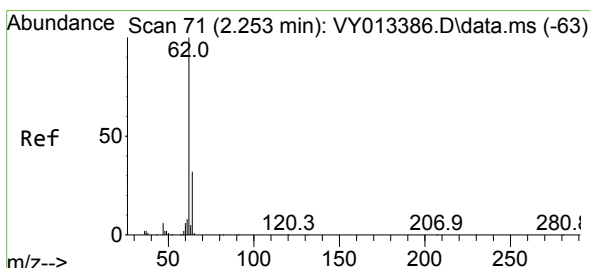
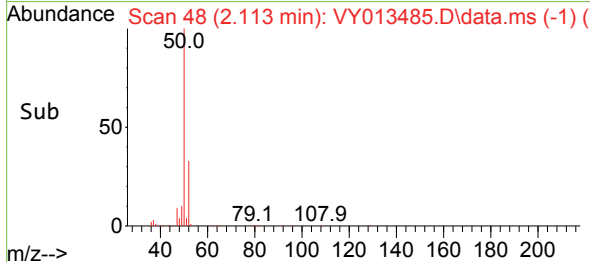
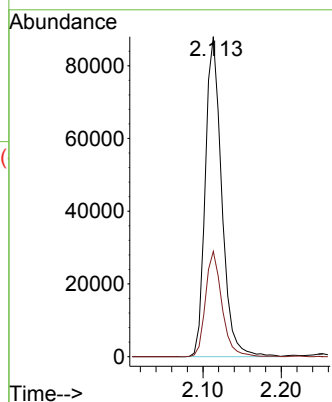
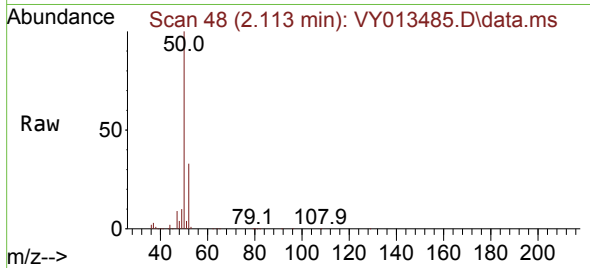




#3
Chloromethane
Concen: 63.745 ug/l
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

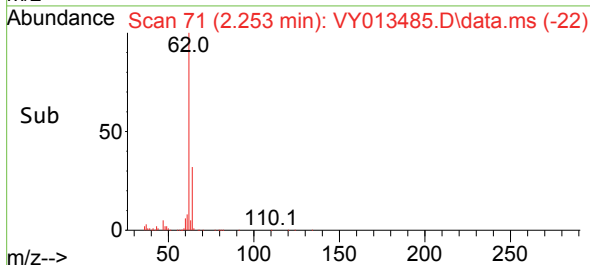
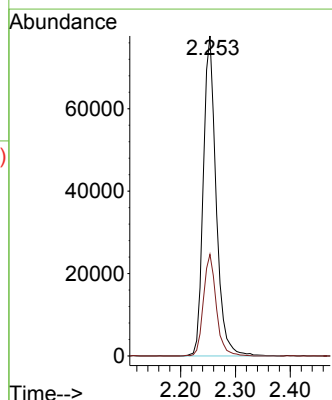
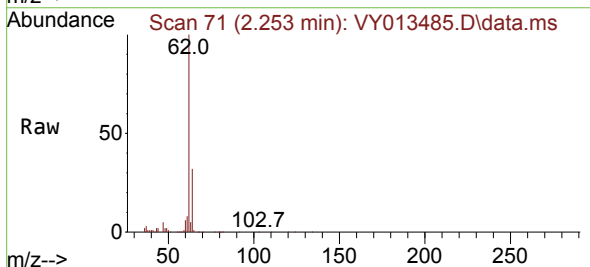
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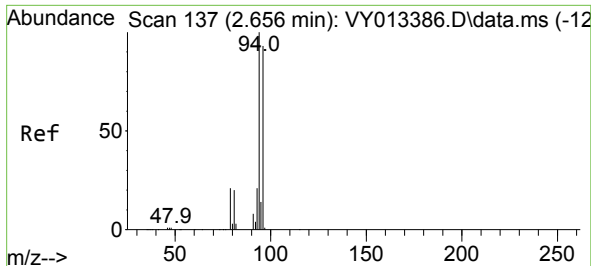
Tgt Ion: 50 Resp: 127929
Ion Ratio Lower Upper
50 100
52 32.9 25.9 38.9



#4
Vinyl Chloride
Concen: 63.059 ug/l
RT: 2.253 min Scan# 71
Delta R.T. 0.000 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

Tgt Ion: 62 Resp: 126006
Ion Ratio Lower Upper
62 100
64 31.8 25.4 38.0

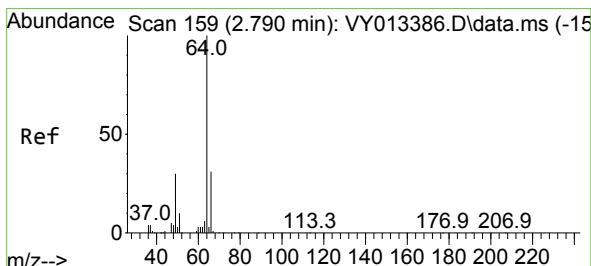
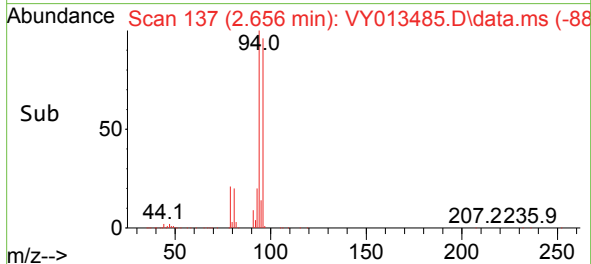
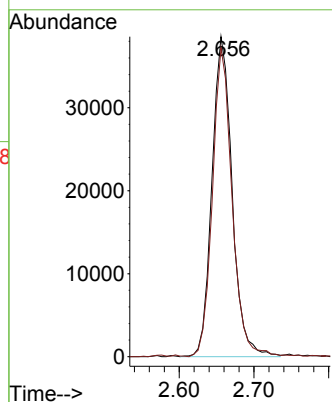
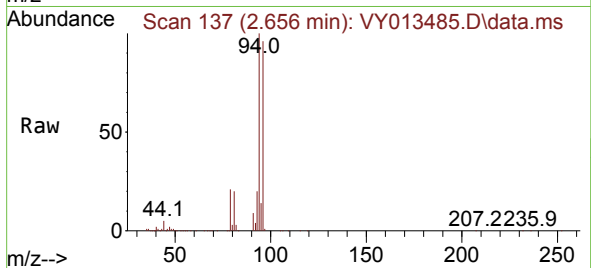




#5
Bromomethane
Concen: 45.369 ug/l
RT: 2.656 min Scan# 11
Delta R.T. -0.000 min
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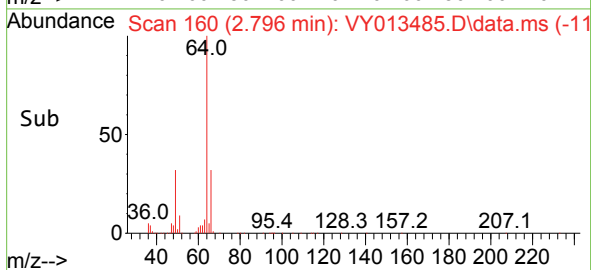
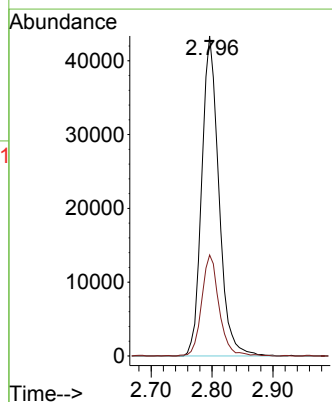
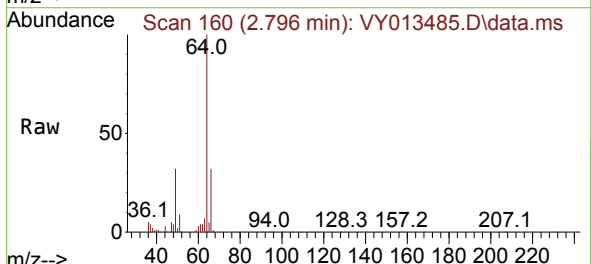
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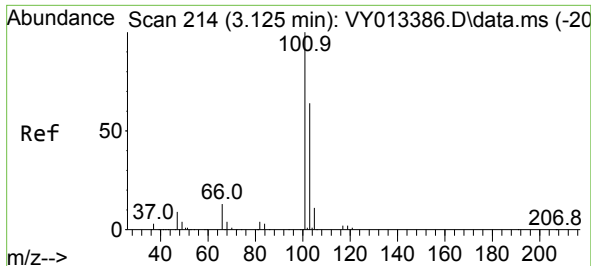
Tgt Ion: 94 Resp: 72245
Ion Ratio Lower Upper
94 100
96 96.2 74.2 111.2



#6
Chloroethane
Concen: 61.303 ug/l
RT: 2.796 min Scan# 160
Delta R.T. 0.006 min
Lab File: VY013485.D
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Tgt Ion: 64 Resp: 84626
Ion Ratio Lower Upper
64 100
66 31.6 24.6 37.0

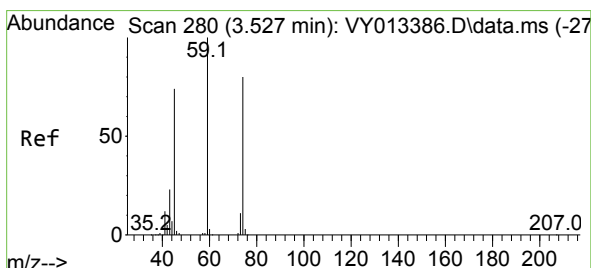
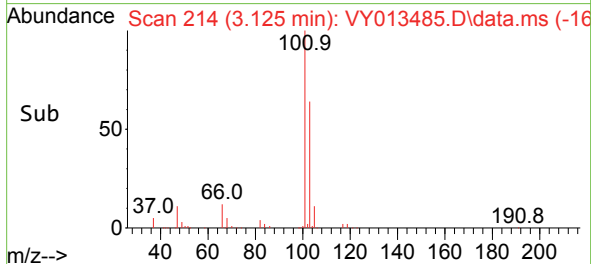
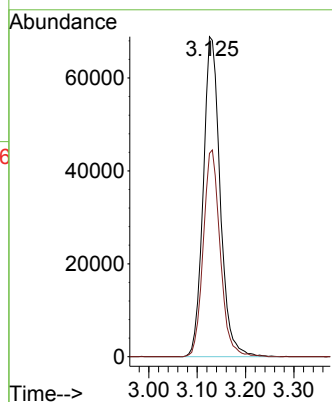
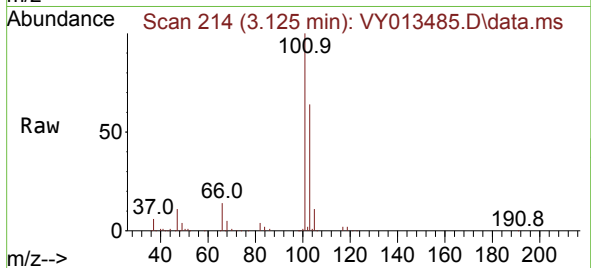




#7
 Trichlorofluoromethane
 Concen: 55.319 ug/l
 RT: 3.125 min Scan# 214
 Delta R.T. 0.000 min
 Lab File: VY013485.D
 Acq: 26 Apr 2023 19:45

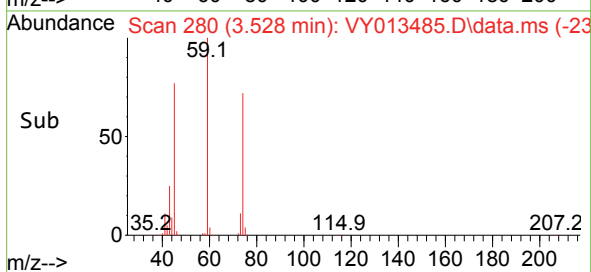
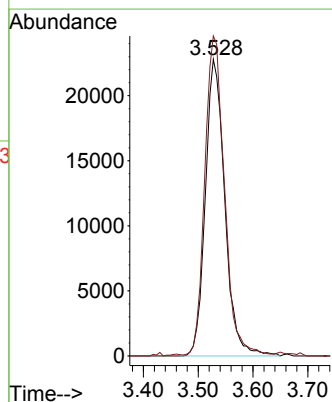
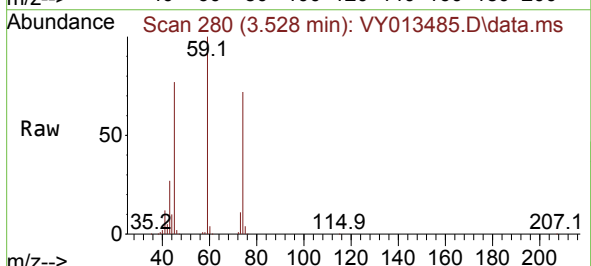
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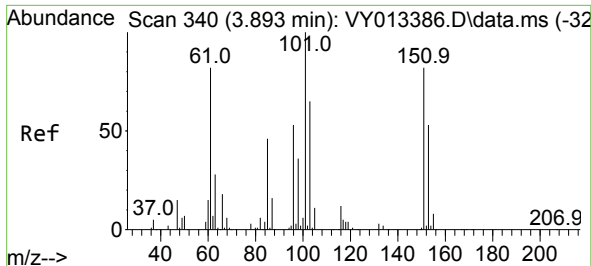
Tgt Ion:101 Resp: 167458
 Ion Ratio Lower Upper
 101 100
 103 63.5 51.6 77.4



#8
 Diethyl Ether
 Concen: 54.372 ug/l
 RT: 3.528 min Scan# 280
 Delta R.T. 0.001 min
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Tgt Ion: 74 Resp: 56049
 Ion Ratio Lower Upper
 74 100
 45 108.3 48.2 144.6

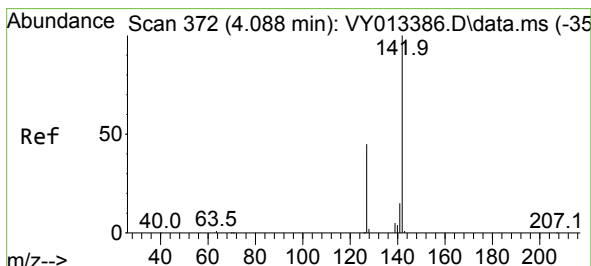
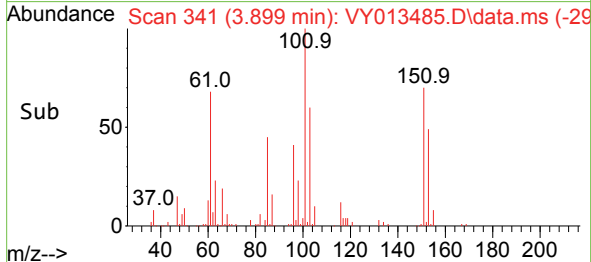
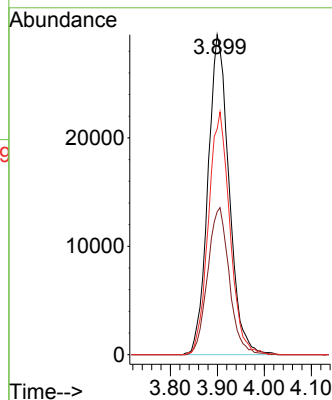
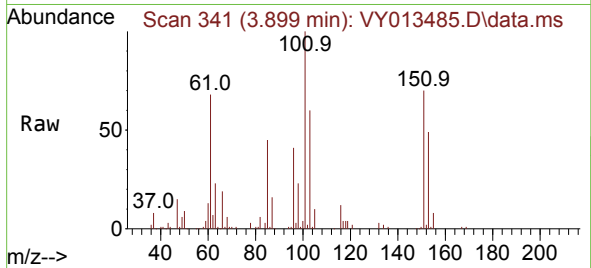




#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.262 ug/l
RT: 3.899 min Scan# 341
Delta R.T. 0.006 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

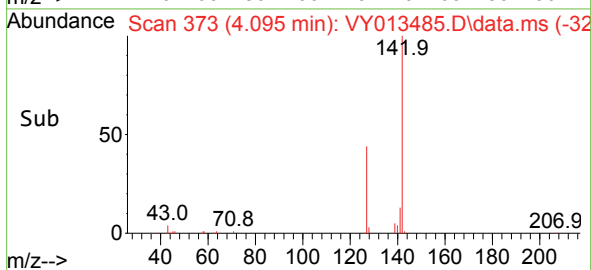
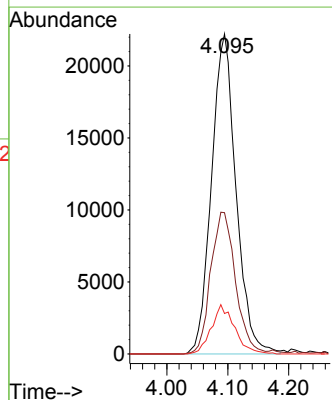
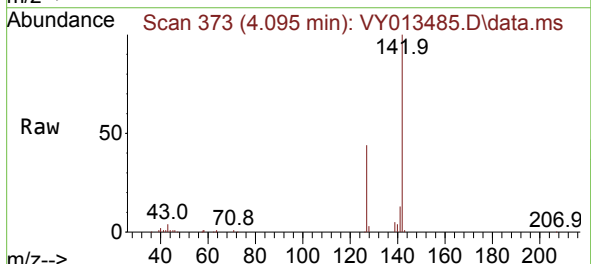
Instrument :
MSVOA_Y
ClientSampleId :
20230318-31-4MS

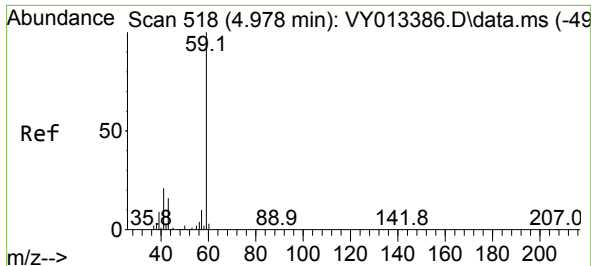
Tgt Ion:101 Resp: 92135
Ion Ratio Lower Upper
101 100
85 47.1 35.6 53.4
151 76.9 68.0 102.0



#10
Methyl Iodide
Concen: 29.179 ug/l
RT: 4.095 min Scan# 373
Delta R.T. 0.007 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

Tgt Ion:142 Resp: 62229
Ion Ratio Lower Upper
142 100
127 44.6 36.1 54.1
141 14.7 11.6 17.4

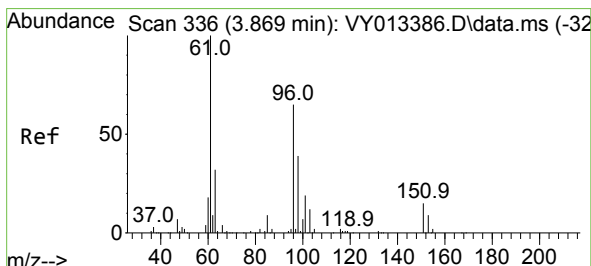
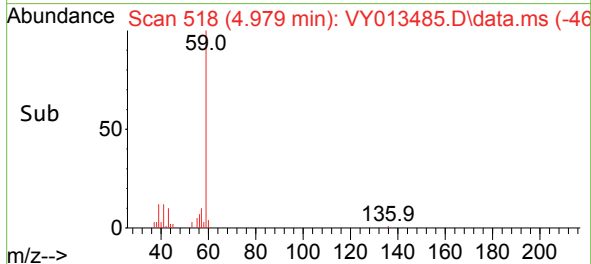
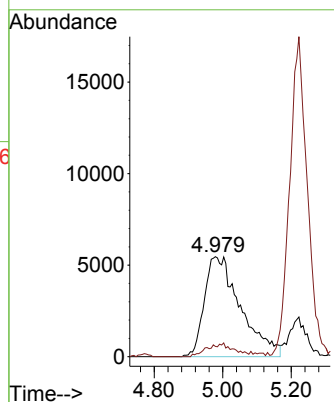
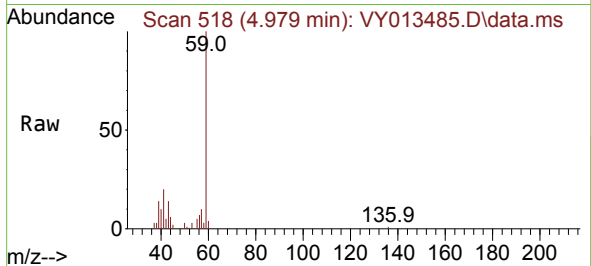




#11
Tert butyl alcohol
Concen: 206.772 ug/l
RT: 4.979 min Scan# 518
Delta R.T. 0.001 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

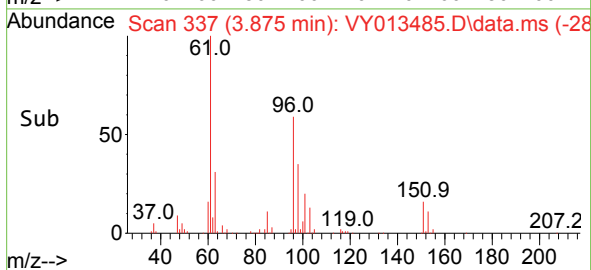
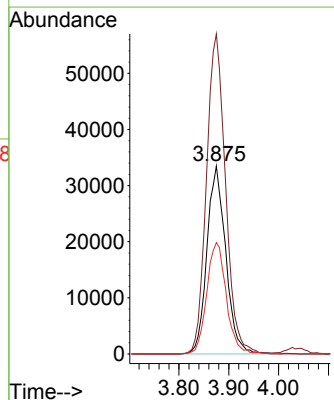
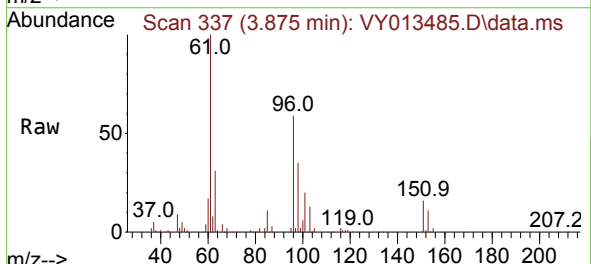
Instrument :
MSVOA_Y
ClientSampleId :
20230318-31-4MS

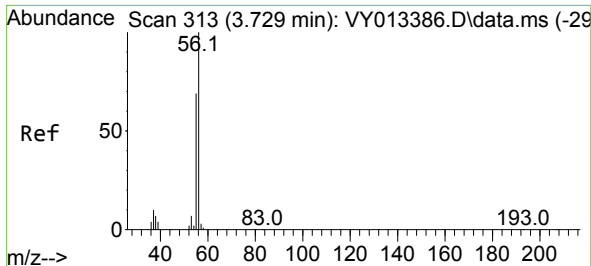
Tgt Ion: 59 Resp: 40185
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#12
1,1-Dichloroethene
Concen: 53.731 ug/l
RT: 3.875 min Scan# 337
Delta R.T. 0.006 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

Tgt Ion: 96 Resp: 87943
Ion Ratio Lower Upper
96 100
61 170.2 123.9 185.9
98 59.3 48.9 73.3





#13

Acrolein

Concen: 2.223 ug/l

RT: 3.735 min Scan# 313

Delta R.T. 0.006 min

Lab File: VY013485.D

Acq: 26 Apr 2023 19:45

Instrument :

MSVOA_Y

ClientSampleId :

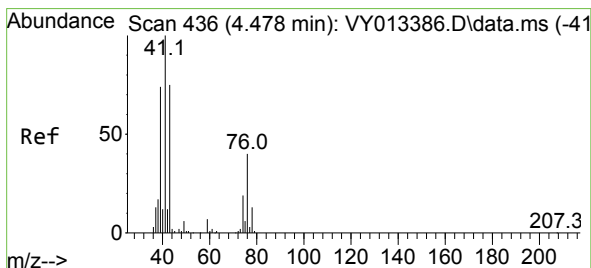
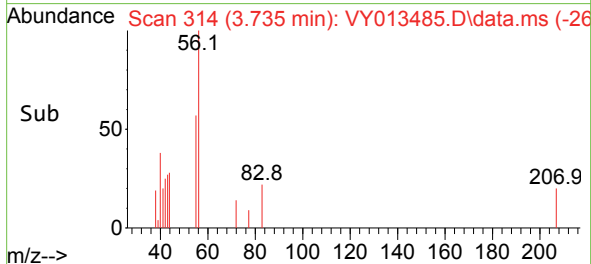
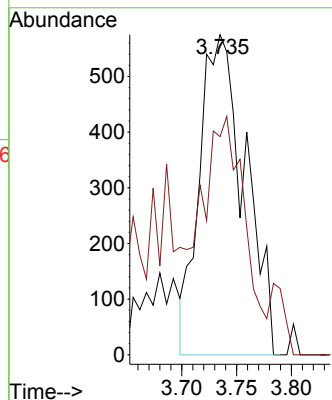
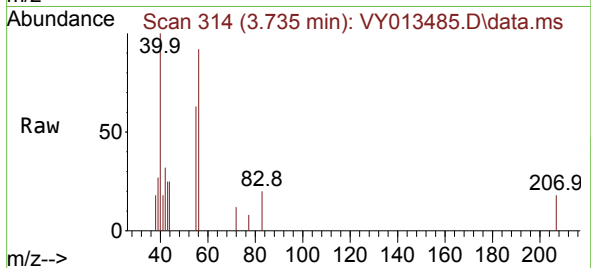
20230318-31-4MS

Tgt Ion: 56 Resp: 1659

Ion Ratio Lower Upper

56 100

55 69.3 54.1 81.1



#14

Allyl chloride

Concen: 47.706 ug/l

RT: 4.479 min Scan# 436

Delta R.T. 0.001 min

Lab File: VY013485.D

Acq: 26 Apr 2023 19:45

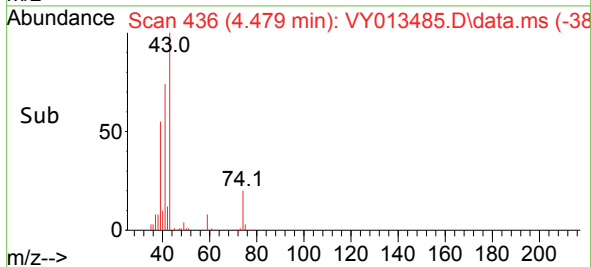
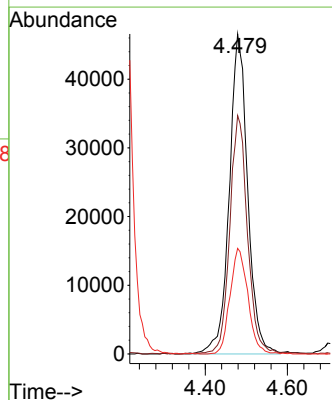
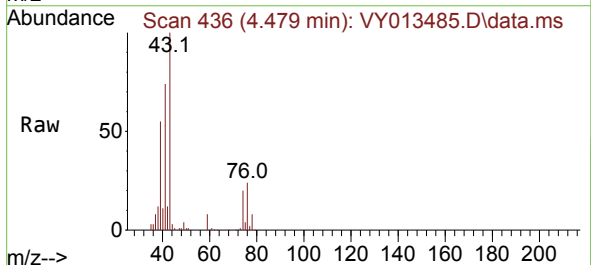
Tgt Ion: 41 Resp: 144883

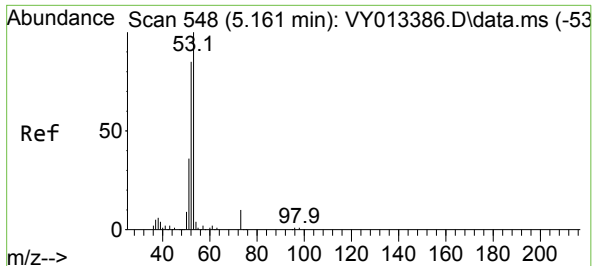
Ion Ratio Lower Upper

41 100

39 72.1 56.6 85.0

76 32.2 30.5 45.7





#15

Acrylonitrile

Concen: 245.418 ug/l

RT: 5.168 min Scan# 54

Delta R.T. 0.007 min

Lab File: VY013485.D

Acq: 26 Apr 2023 19:45

Instrument :

MSVOA_Y

ClientSampleId :

20230318-31-4MS

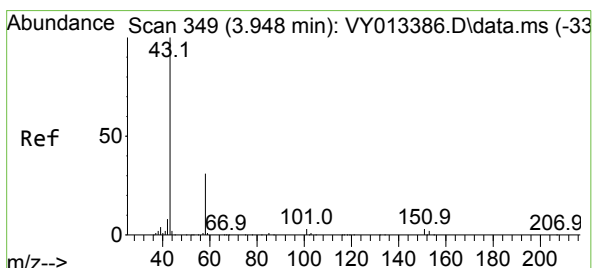
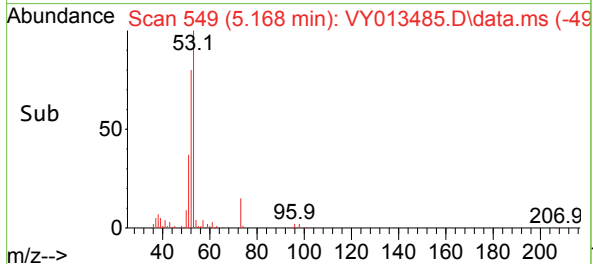
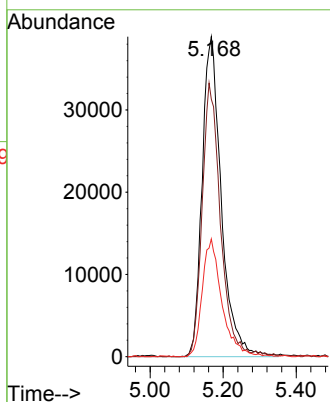
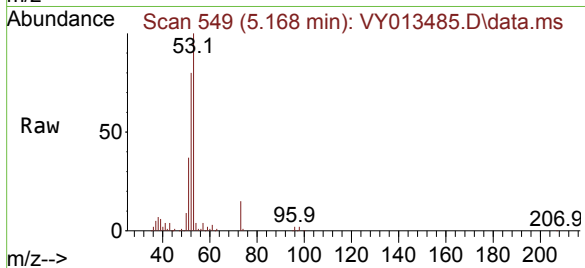
Tgt Ion: 53 Resp: 141682

Ion Ratio Lower Upper

53 100

52 81.0 65.4 98.0

51 37.7 29.3 43.9



#16

Acetone

Concen: 288.328 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.006 min

Lab File: VY013485.D

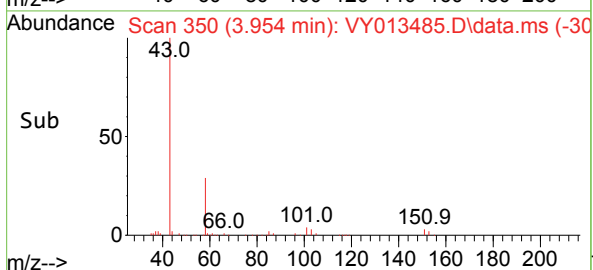
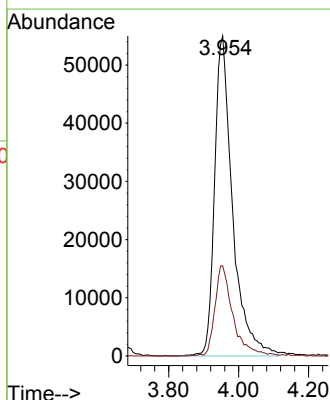
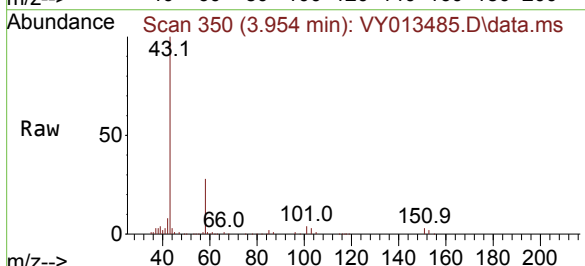
Acq: 26 Apr 2023 19:45

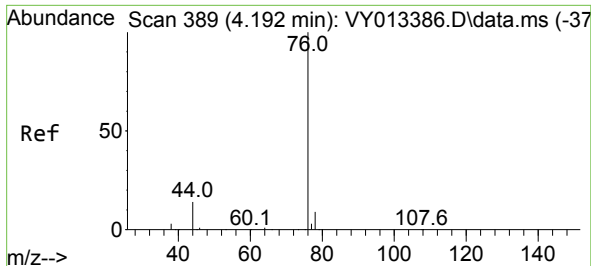
Tgt Ion: 43 Resp: 196026

Ion Ratio Lower Upper

43 100

58 28.2 25.4 38.0

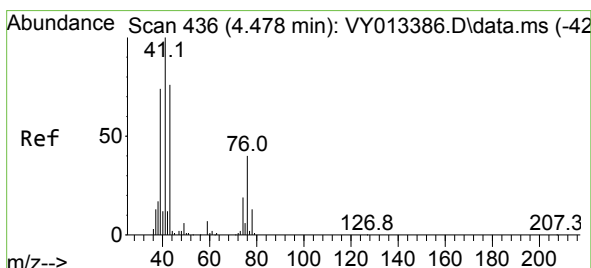
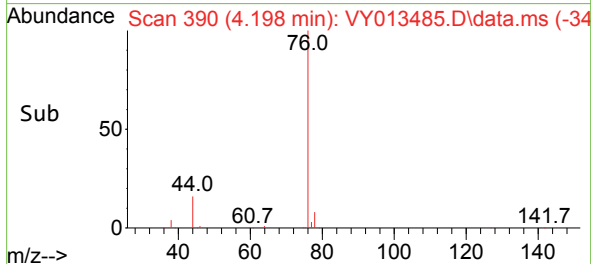
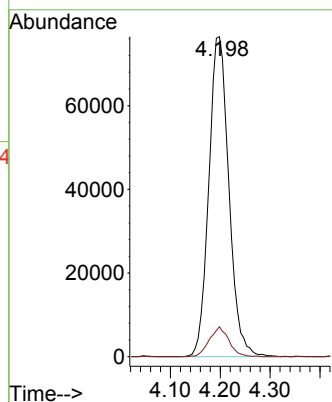
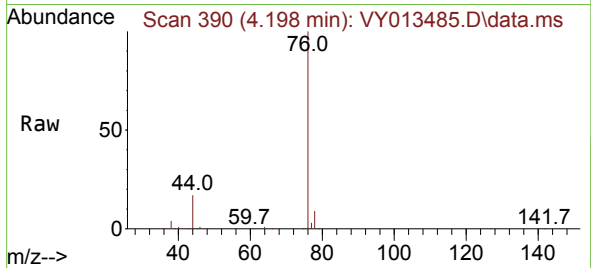




#17
Carbon Disulfide
Concen: 40.214 ug/l
RT: 4.198 min Scan# 389
Delta R.T. 0.006 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

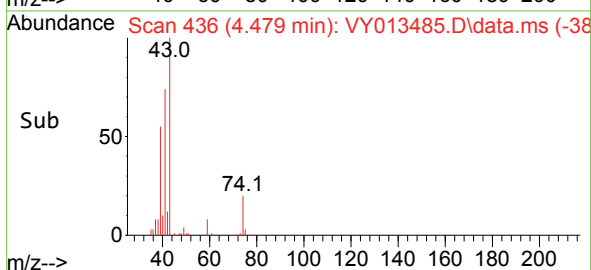
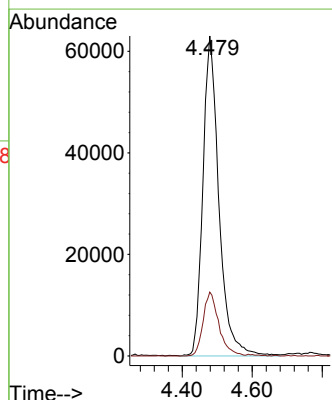
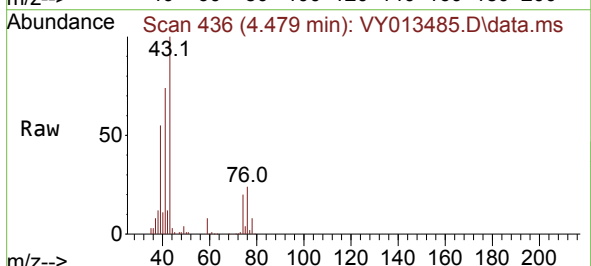
Instrument :
MSVOA_Y
ClientSampleId :
20230318-31-4MS

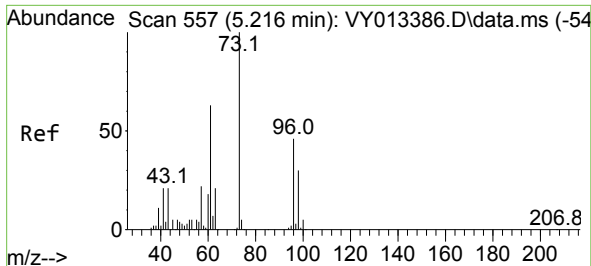
Tgt Ion: 76 Resp: 213801
Ion Ratio Lower Upper
76 100
78 9.4 7.2 10.8



#18
Methyl Acetate
Concen: 89.217 ug/l
RT: 4.479 min Scan# 436
Delta R.T. 0.001 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

Tgt Ion: 43 Resp: 200335
Ion Ratio Lower Upper
43 100
74 19.6 19.4 29.2





#19

Methyl tert-butyl Ether

Concen: 57.372 ug/l

RT: 5.222 min Scan# 5

Delta R.T. 0.006 min

Lab File: VY013485.D

Acq: 26 Apr 2023 19:45

Instrument :

MSVOA_Y

ClientSampleId :

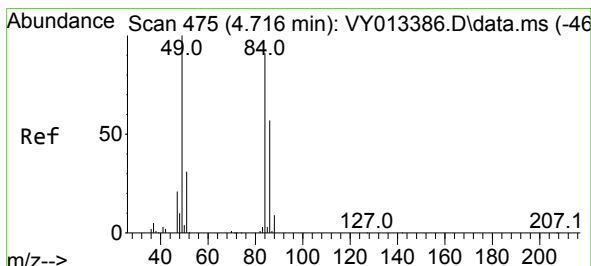
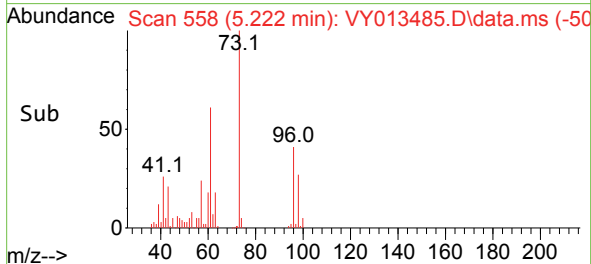
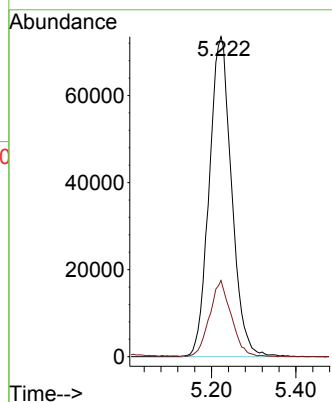
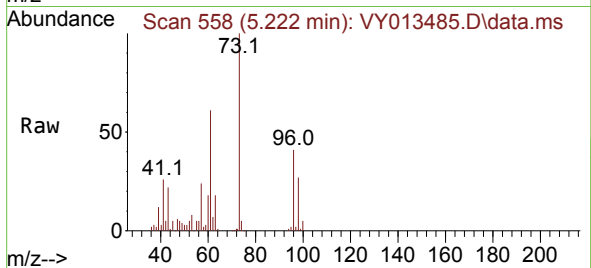
20230318-31-4MS

Tgt Ion: 73 Resp: 271096

Ion Ratio Lower Upper

73 100

57 23.7 17.8 26.8



#20

Methylene Chloride

Concen: 62.236 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY013485.D

Acq: 26 Apr 2023 19:45

Tgt Ion: 84 Resp: 128338

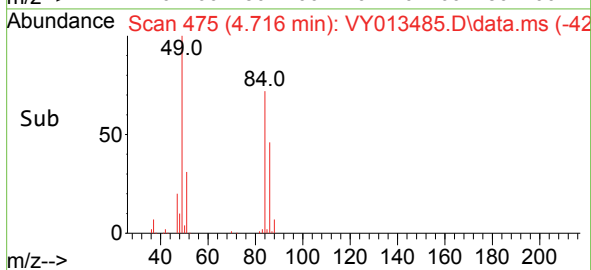
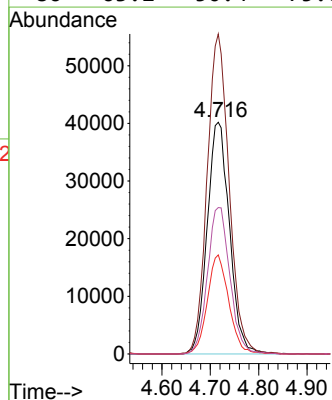
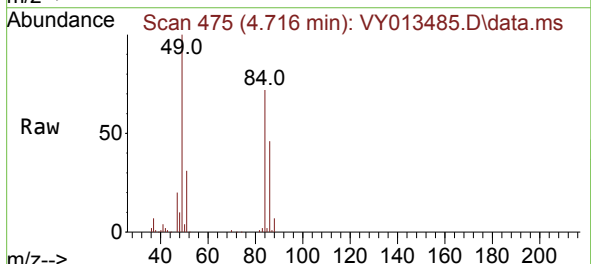
Ion Ratio Lower Upper

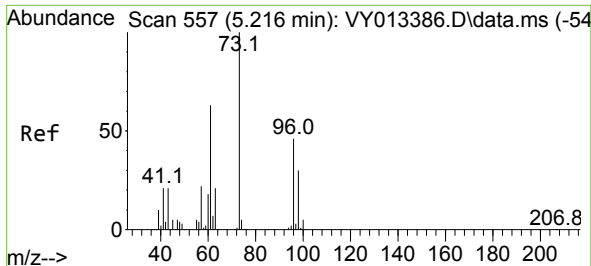
84 100

49 138.0 88.0 132.0#

51 42.8 27.4 41.0#

86 63.2 50.4 75.6

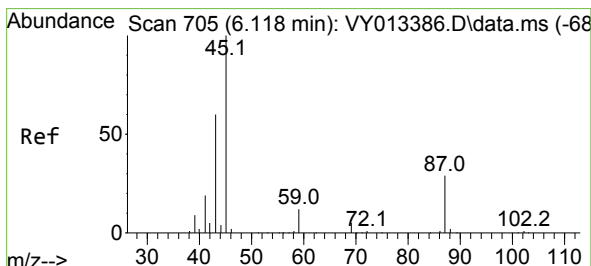
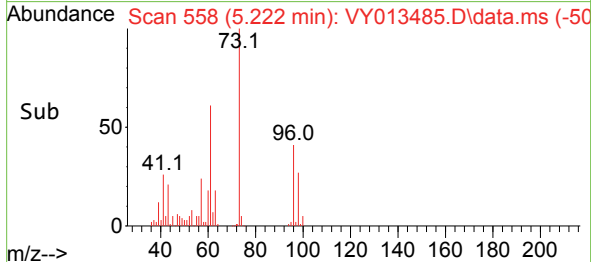
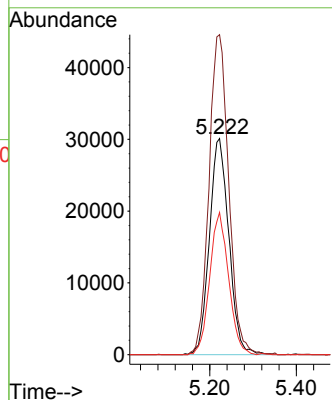
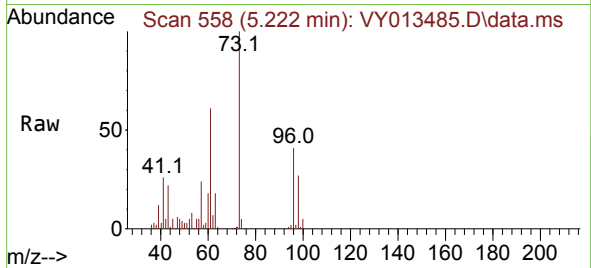




#21
trans-1,2-Dichloroethene
Concen: 52.517 ug/l
RT: 5.222 min Scan# 511
Delta R.T. 0.006 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

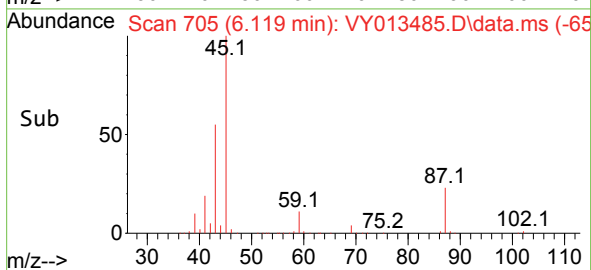
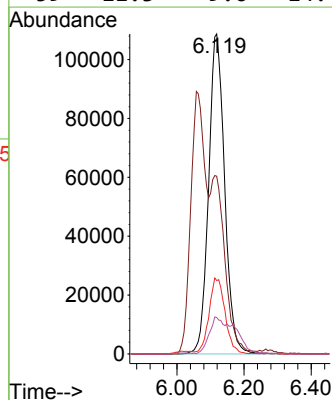
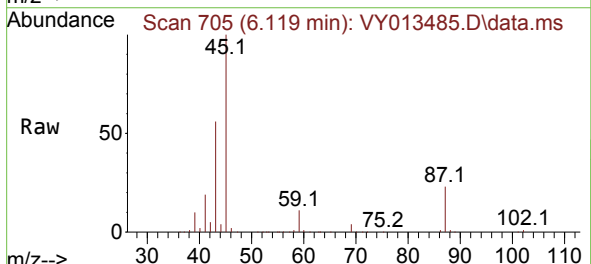
Instrument :
MSVOA_Y
ClientSampleId :
20230318-31-4MS

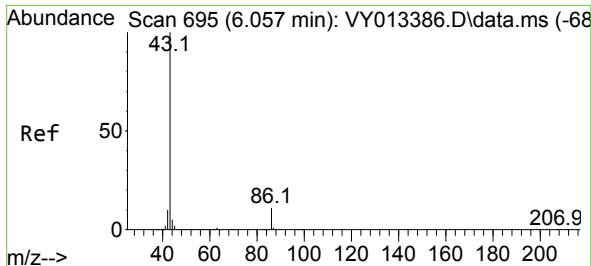
Tgt Ion: 96 Resp: 93982
Ion Ratio Lower Upper
96 100
61 148.0 110.6 165.8
98 65.8 53.1 79.7



#22
Diisopropyl ether
Concen: 60.666 ug/l
RT: 6.119 min Scan# 705
Delta R.T. 0.001 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

Tgt Ion: 45 Resp: 360111
Ion Ratio Lower Upper
45 100
43 55.2 48.4 72.6
87 23.0 23.8 35.6#
59 11.3 9.6 14.4

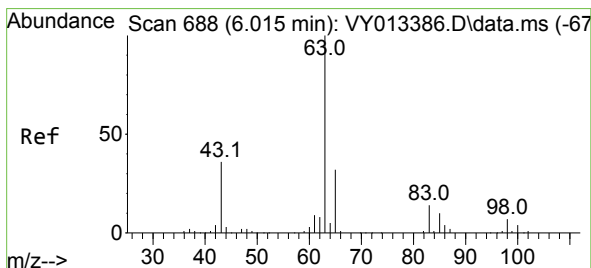
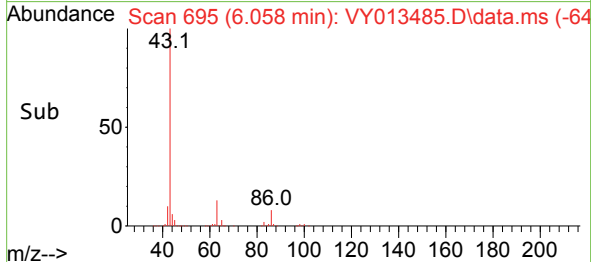
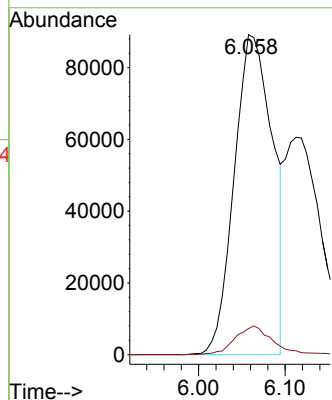
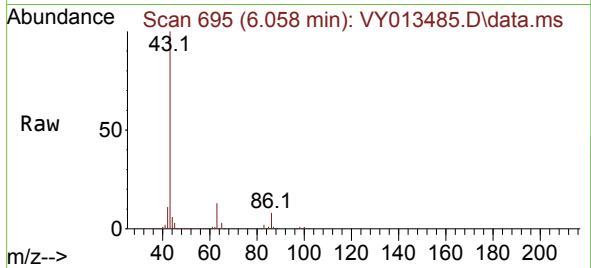




#23
 Vinyl Acetate
 Concen: 81.836 ug/l
 RT: 6.058 min Scan# 695
 Delta R.T. 0.001 min
 Lab File: VY013485.D
 Acq: 26 Apr 2023 19:45

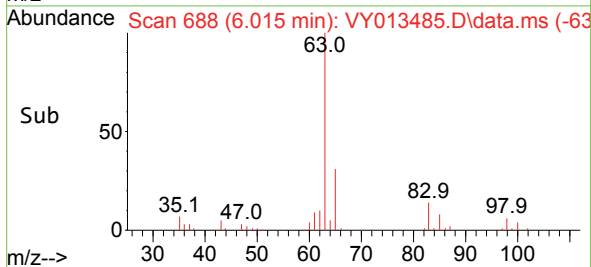
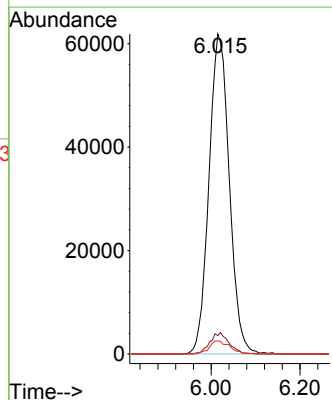
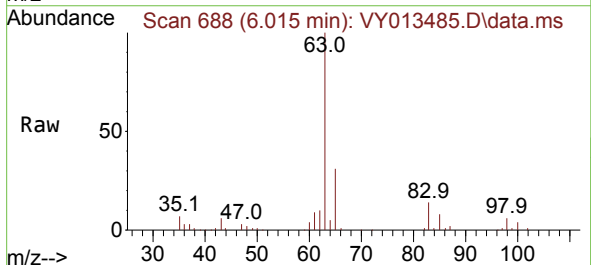
Instrument :
 MSVOA_Y
 ClientSampleId :
 20230318-31-4MS

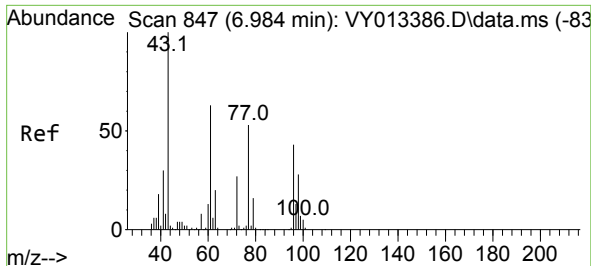
Tgt Ion: 43 Resp: 275043
 Ion Ratio Lower Upper
 43 100
 86 8.2 8.5 12.7#



#24
 1,1-Dichloroethane
 Concen: 59.467 ug/l
 RT: 6.015 min Scan# 688
 Delta R.T. -0.000 min
 Lab File: VY013485.D
 Acq: 26 Apr 2023 19:45

Tgt Ion: 63 Resp: 196736
 Ion Ratio Lower Upper
 63 100
 98 5.8 3.5 10.6
 100 4.1 2.2 6.6

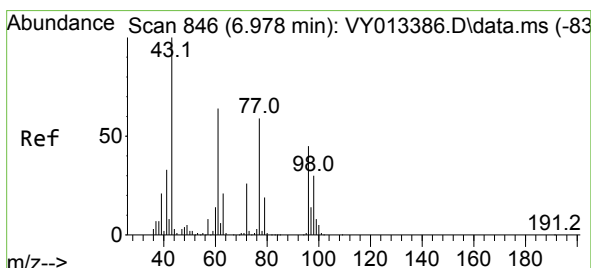
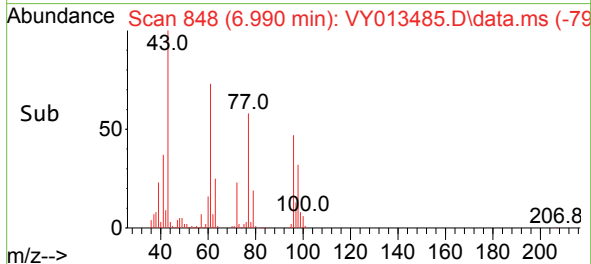
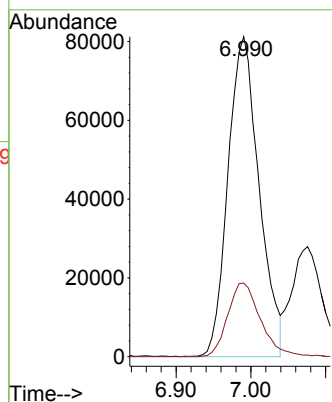
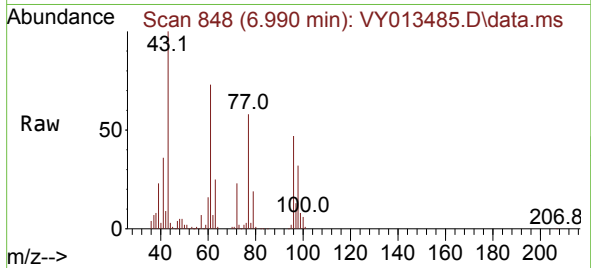




#25
2-Butanone
Concen: 273.032 ug/l
RT: 6.990 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

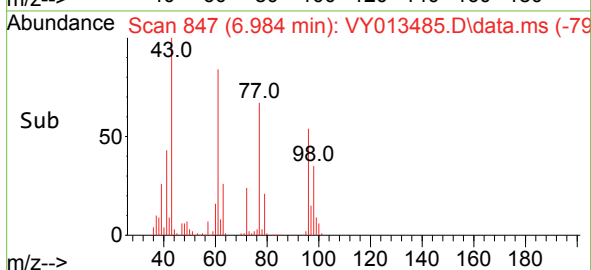
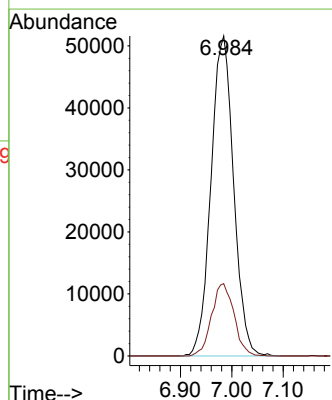
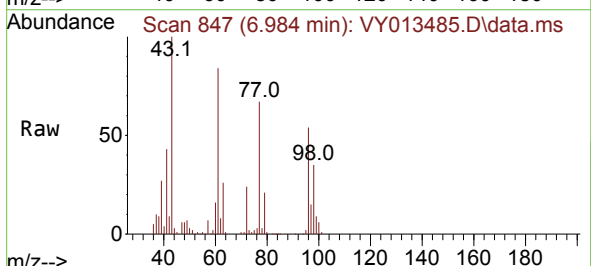
Instrument :
MSVOA_Y
ClientSampleId :
20230318-31-4MS

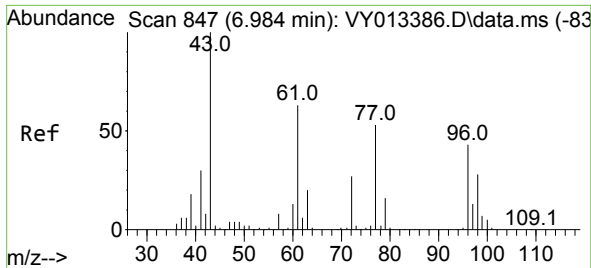
Tgt Ion: 43 Resp: 235415
Ion Ratio Lower Upper
43 100
72 23.0 21.9 32.9



#26
2,2-Dichloropropane
Concen: 55.408 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

Tgt Ion: 77 Resp: 157954
Ion Ratio Lower Upper
77 100
97 22.4 11.8 35.4

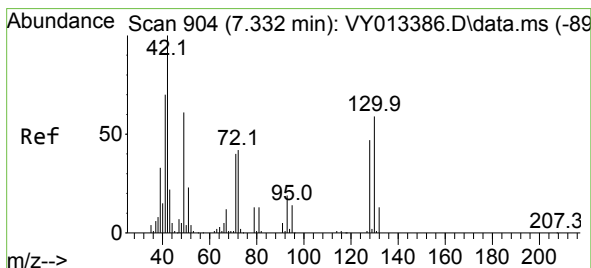
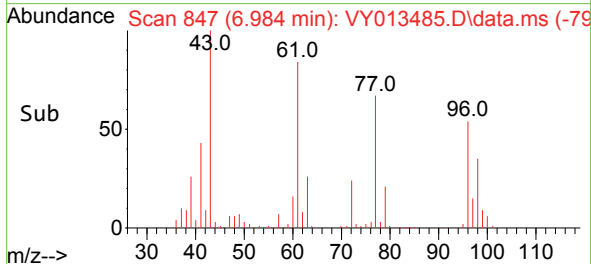
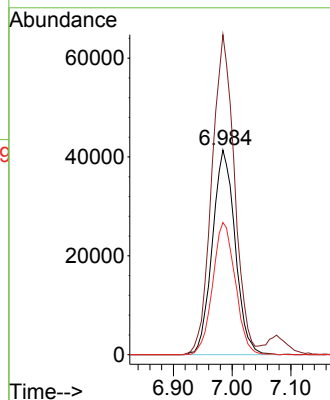
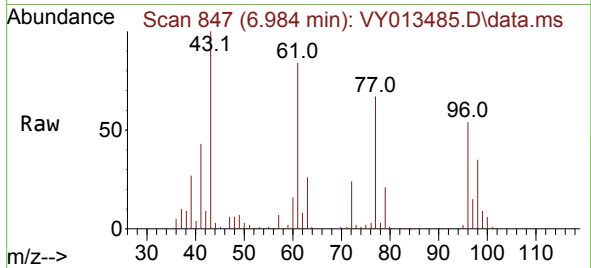




#27
 cis-1,2-Dichloroethene
 Concen: 56.416 ug/l
 RT: 6.984 min Scan# 847
 Delta R.T. 0.000 min
 Lab File: VY013485.D
 Acq: 26 Apr 2023 19:45

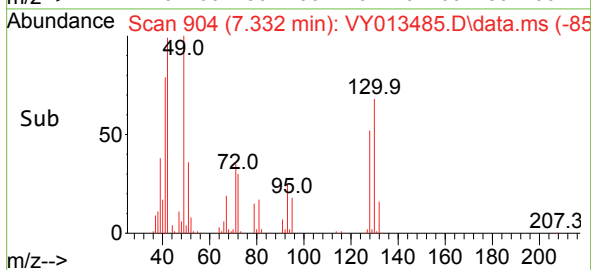
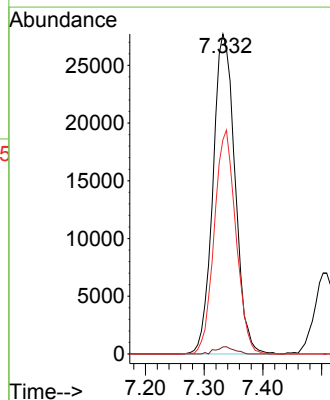
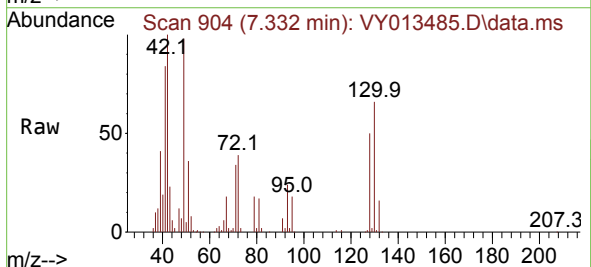
Instrument :
 MSVOA_Y
 ClientSampleId :
 20230318-31-4MS

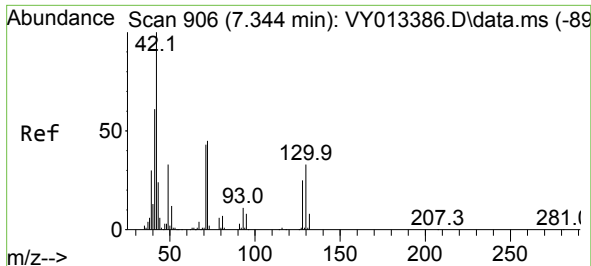
Tgt Ion: 96 Resp: 111548
 Ion Ratio Lower Upper
 96 100
 61 155.6 0.0 285.0
 98 64.1 0.0 130.6



#28
 Bromochloromethane
 Concen: 61.437 ug/l
 RT: 7.332 min Scan# 904
 Delta R.T. -0.000 min
 Lab File: VY013485.D
 Acq: 26 Apr 2023 19:45

Tgt Ion: 49 Resp: 72126
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 5.2
 130 68.7 72.1 108.1#





#29

Tetrahydrofuran

Concen: 263.280 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY013485.D

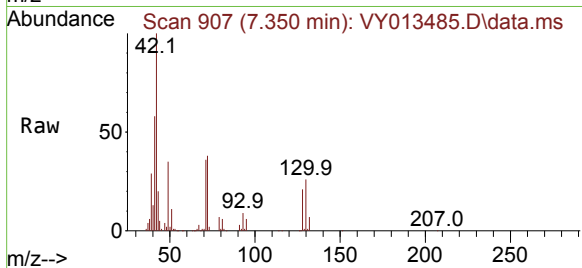
Acq: 26 Apr 2023 19:45

Instrument :

MSVOA_Y

ClientSampleId :

20230318-31-4MS



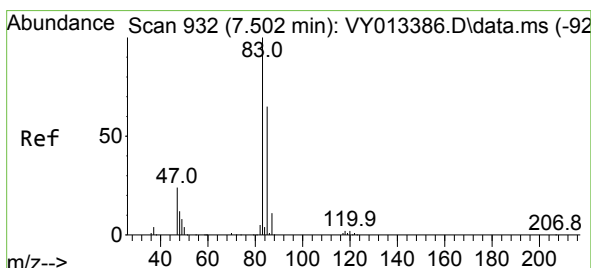
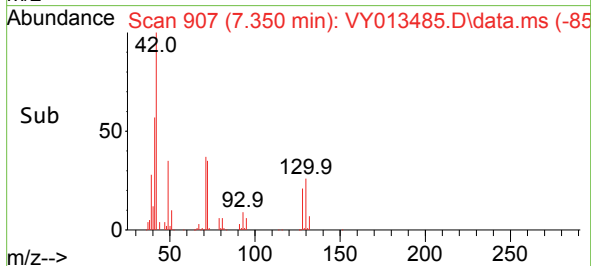
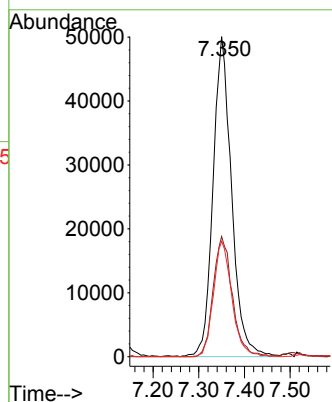
Tgt Ion: 42 Resp: 141307

Ion Ratio Lower Upper

42 100

72 38.6 35.9 53.9

71 36.0 34.3 51.5



#30

Chloroform

Concen: 60.656 ug/l

RT: 7.509 min Scan# 933

Delta R.T. 0.007 min

Lab File: VY013485.D

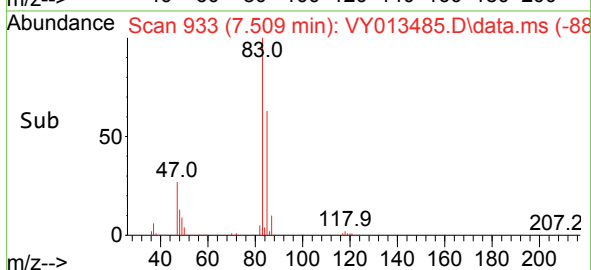
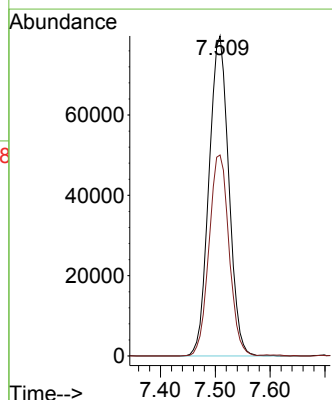
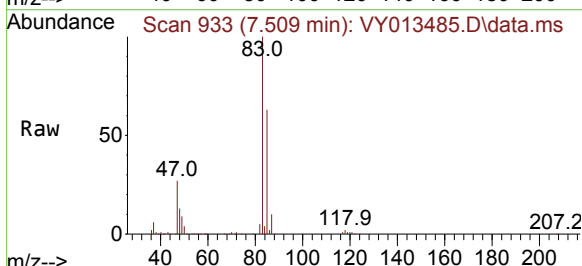
Acq: 26 Apr 2023 19:45

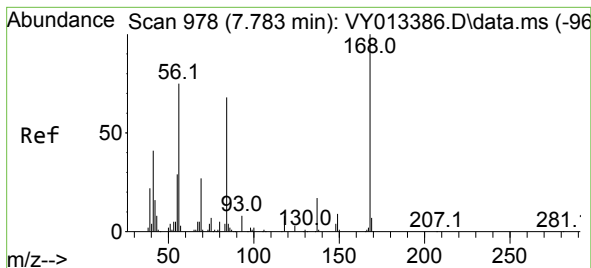
Tgt Ion: 83 Resp: 199515

Ion Ratio Lower Upper

83 100

85 62.8 52.0 78.0





#31

Cyclohexane

Concen: 49.815 ug/l

RT: 7.789 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY013485.D

Acq: 26 Apr 2023 19:45

Instrument :

MSVOA_Y

ClientSampleId :

20230318-31-4MS

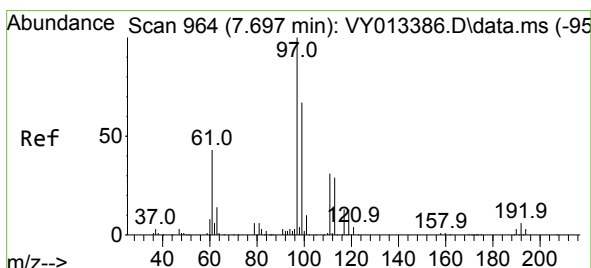
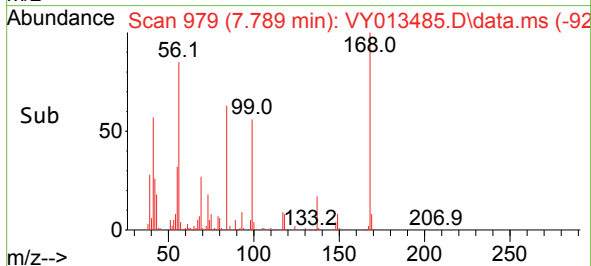
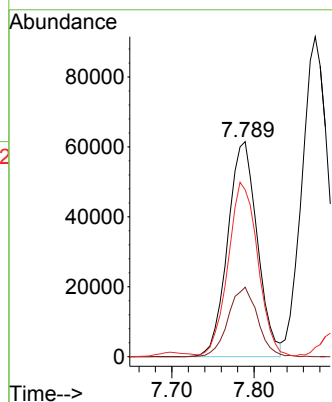
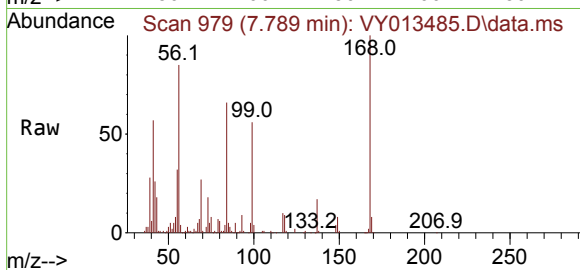
Tgt Ion: 56 Resp: 153976

Ion Ratio Lower Upper

56 100

69 32.3 29.2 43.8

84 76.0 73.0 109.6



#32

1,1,1-Trichloroethane

Concen: 57.698 ug/l

RT: 7.704 min Scan# 965

Delta R.T. 0.007 min

Lab File: VY013485.D

Acq: 26 Apr 2023 19:45

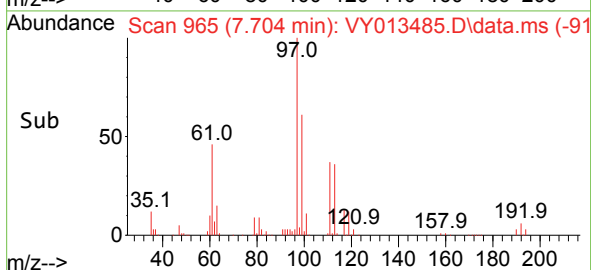
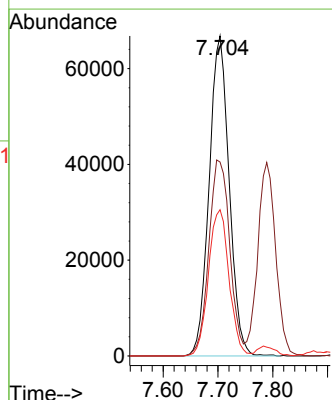
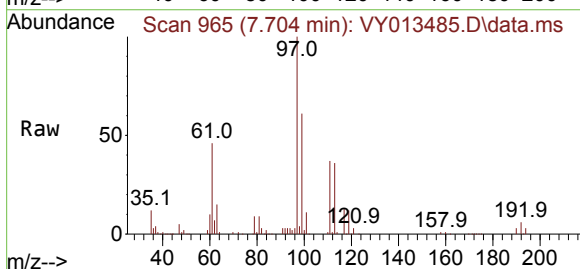
Tgt Ion: 97 Resp: 169354

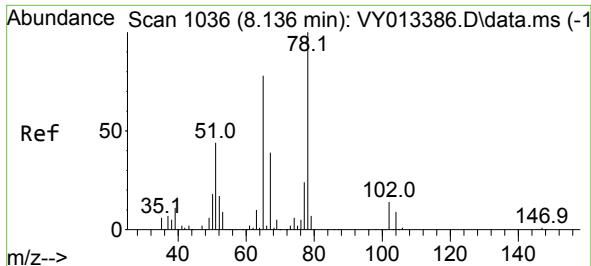
Ion Ratio Lower Upper

97 100

99 64.0 52.2 78.2

61 47.1 33.8 50.8

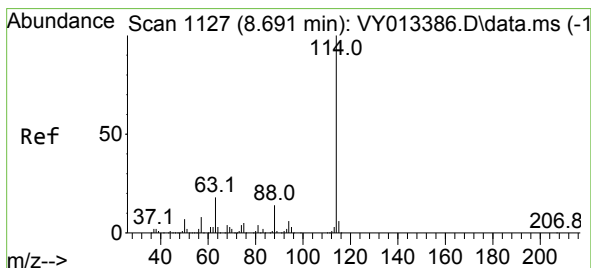
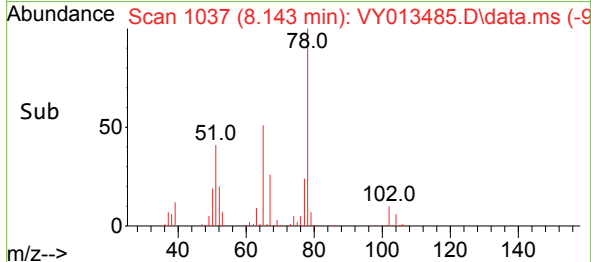
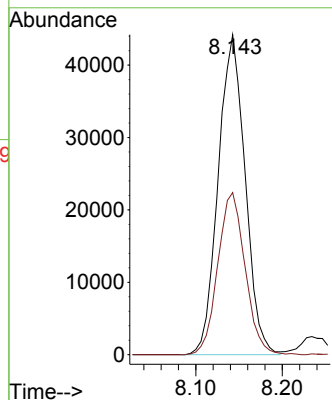
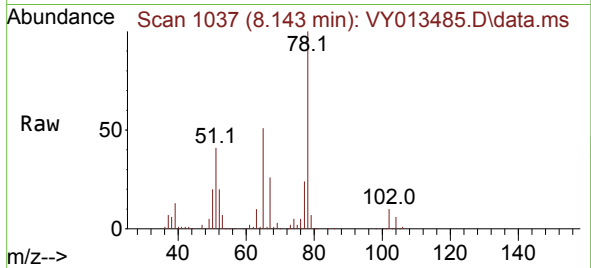




#33
1,2-Dichloroethane-d4
Concen: 55.337 ug/l
RT: 8.143 min Scan# 1103
Delta R.T. 0.007 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

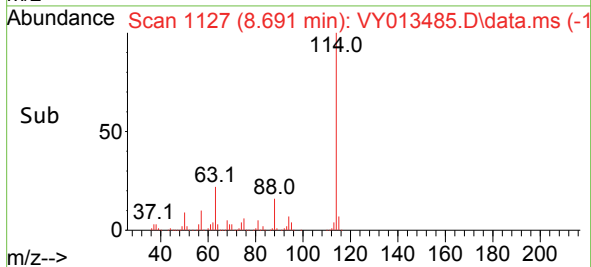
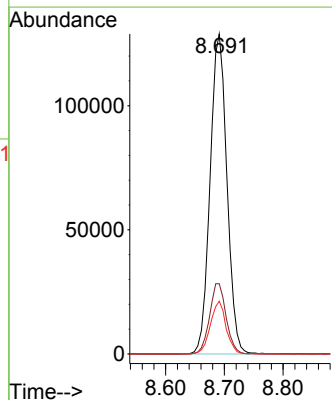
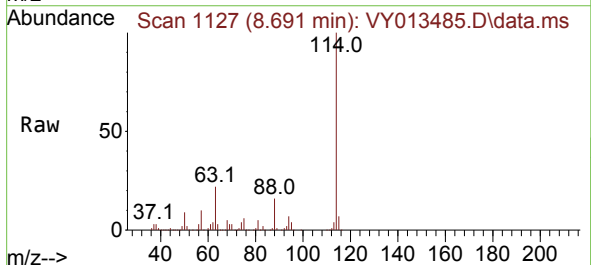
Instrument :
MSVOA_Y
ClientSampleId :
20230318-31-4MS

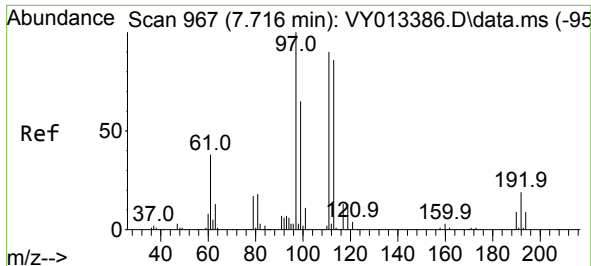
Tgt Ion: 65 Resp: 95533
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

Tgt Ion: 114 Resp: 256161
Ion Ratio Lower Upper
114 100
63 22.0 0.0 36.6
88 16.5 0.0 28.8

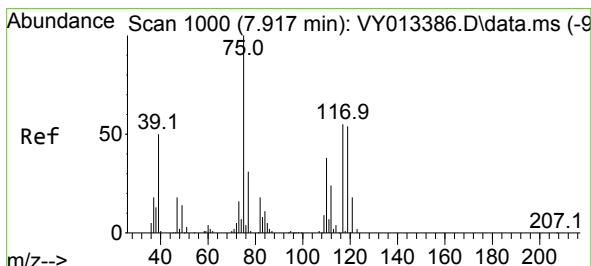
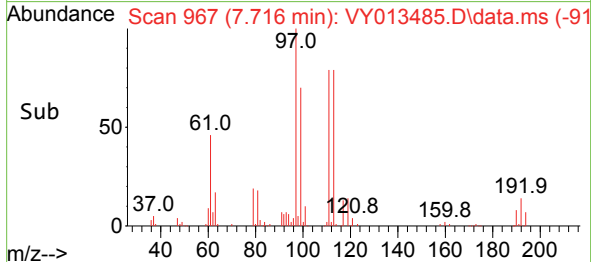
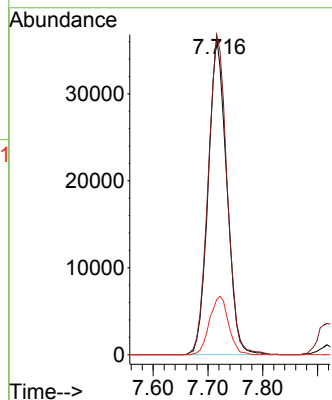
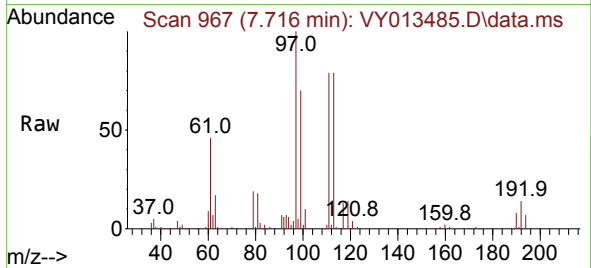




#35
Dibromofluoromethane
Concen: 52.806 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

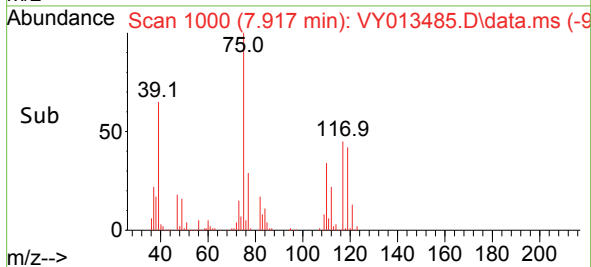
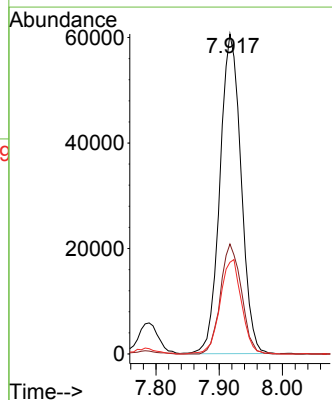
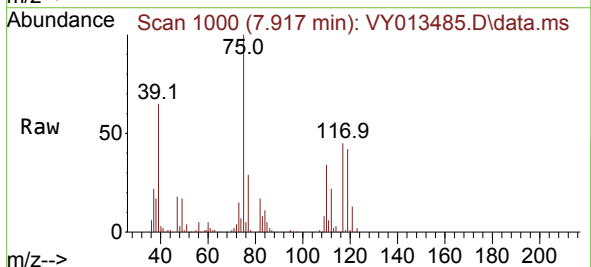
Instrument :
MSVOA_Y
ClientSampleId :
20230318-31-4MS

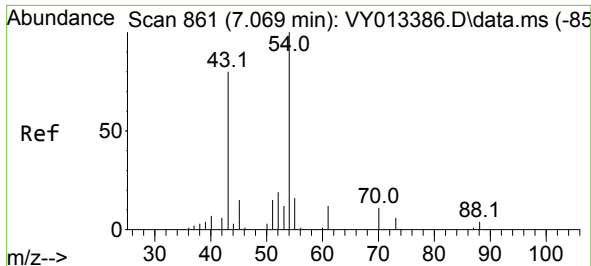
Tgt Ion:113 Resp: 85078
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.2
192 18.9 16.7 25.1



#36
1,1-Dichloropropene
Concen: 52.525 ug/l
RT: 7.917 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

Tgt Ion: 75 Resp: 140448
Ion Ratio Lower Upper
75 100
110 34.0 18.7 56.1
77 30.1 24.6 37.0





#37

Ethyl Acetate

Concen: 40.917 ug/l

RT: 7.076 min Scan# 8

Delta R.T. 0.007 min

Lab File: VY013485.D

Acq: 26 Apr 2023 19:45

Instrument :

MSVOA_Y

ClientSampleId :

20230318-31-4MS

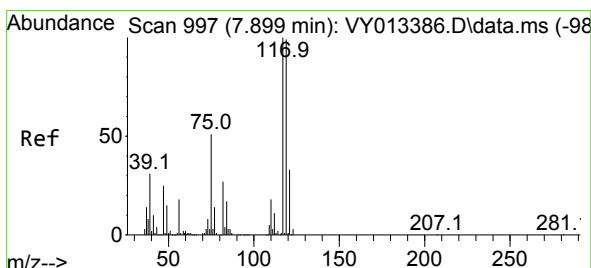
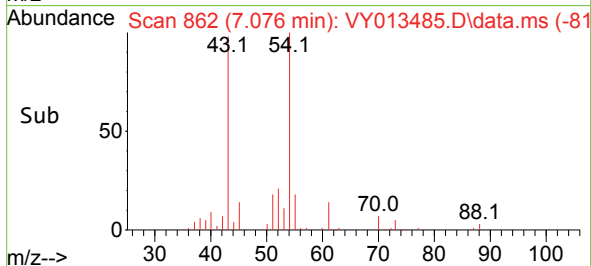
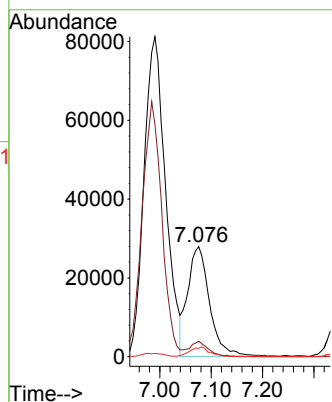
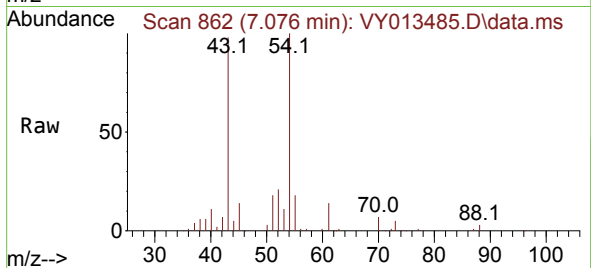
Tgt Ion: 43 Resp: 82334

Ion Ratio Lower Upper

43 100

61 12.0 11.4 17.0

70 8.1 7.9 11.9



#38

Carbon Tetrachloride

Concen: 39.896 ug/l

RT: 7.899 min Scan# 997

Delta R.T. -0.000 min

Lab File: VY013485.D

Acq: 26 Apr 2023 19:45

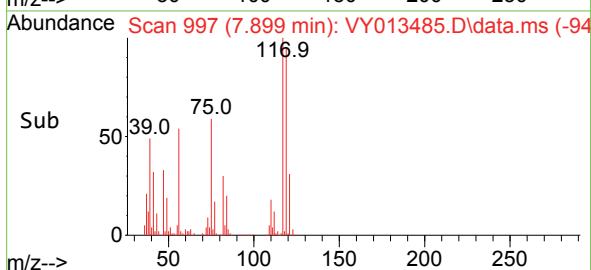
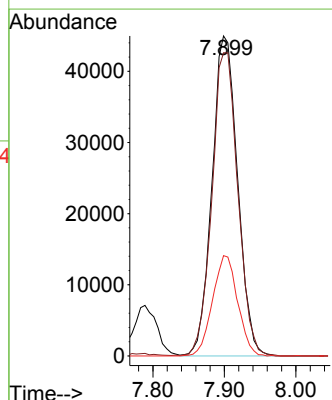
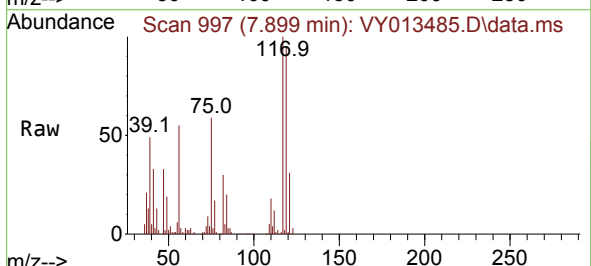
Tgt Ion: 117 Resp: 111812

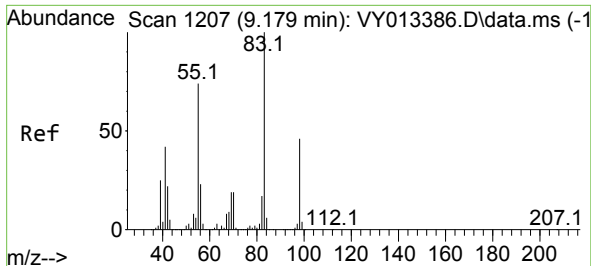
Ion Ratio Lower Upper

117 100

119 94.8 79.0 118.6

121 31.4 26.6 40.0

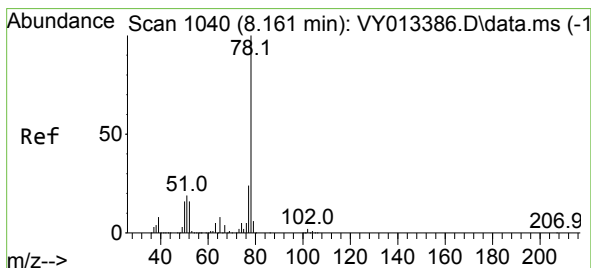
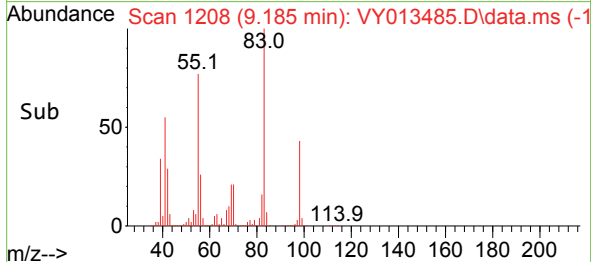
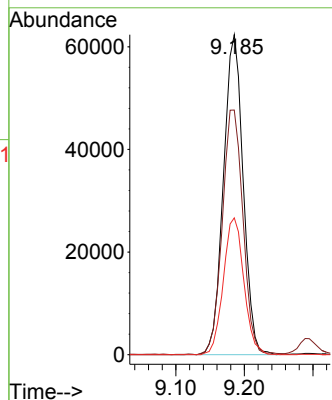
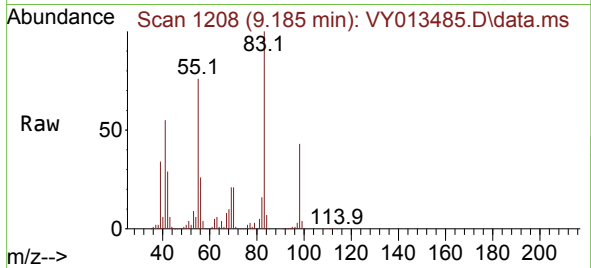




#39
Methylcyclohexane
Concen: 39.413 ug/l
RT: 9.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

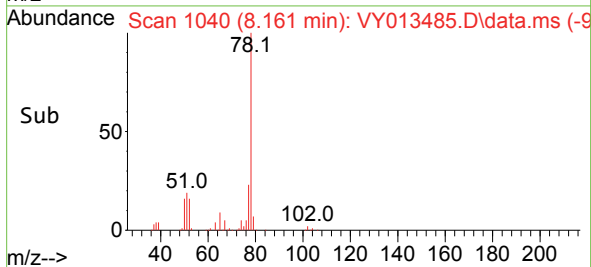
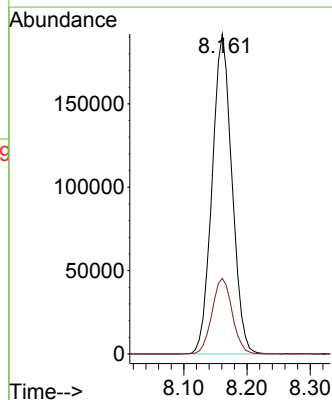
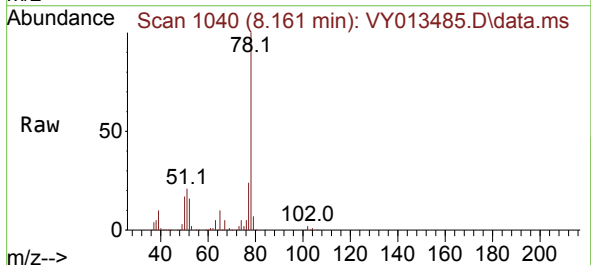
Instrument :
MSVOA_Y
ClientSampleId :
20230318-31-4MS

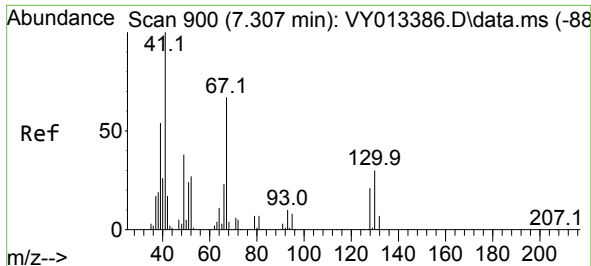
Tgt Ion: 83 Resp: 124241
Ion Ratio Lower Upper
83 100
55 76.3 59.0 88.4
98 42.7 37.0 55.4



#40
Benzene
Concen: 55.516 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

Tgt Ion: 78 Resp: 418147
Ion Ratio Lower Upper
78 100
77 23.6 19.2 28.8

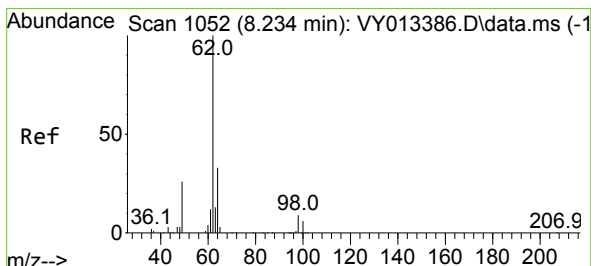
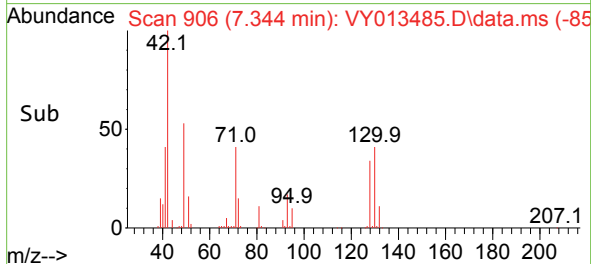
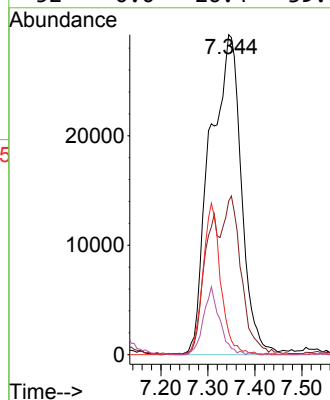
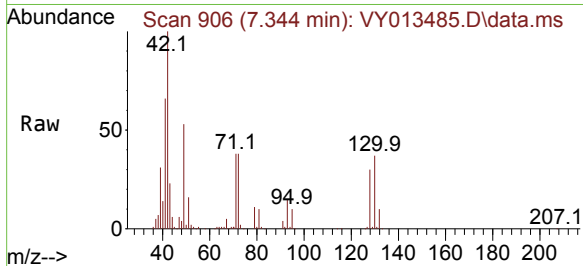




#41
Methacrylonitrile
Concen: 144.147 ug/l
RT: 7.344 min Scan# 900
Delta R.T. 0.037 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

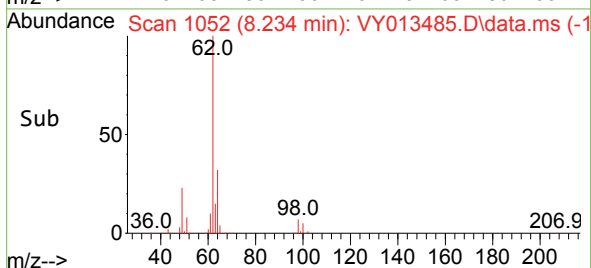
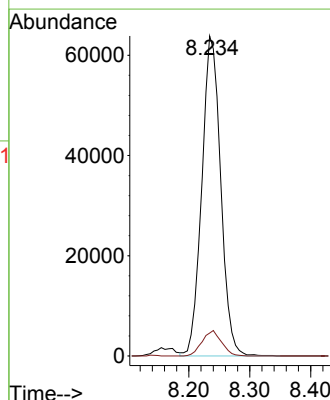
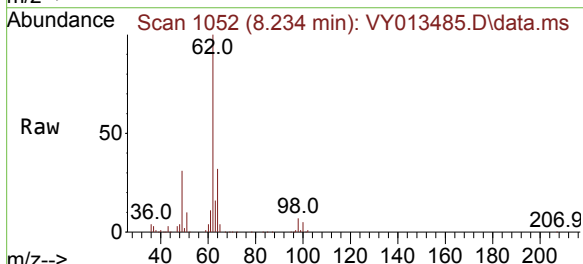
Instrument :
MSVOA_Y
ClientSampleId :
20230318-31-4MS

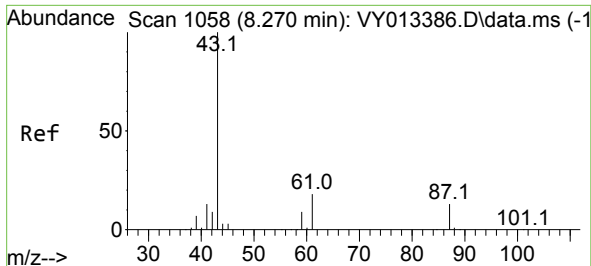
Tgt Ion: 41 Resp: 135163
Ion Ratio Lower Upper
41 100
39 25.4 44.2 66.4#
67 0.0 62.9 94.3#
52 0.0 26.4 39.6#



#42
1,2-Dichloroethane
Concen: 55.909 ug/l
RT: 8.234 min Scan# 1052
Delta R.T. 0.000 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

Tgt Ion: 62 Resp: 137675
Ion Ratio Lower Upper
62 100
98 8.2 0.0 17.8

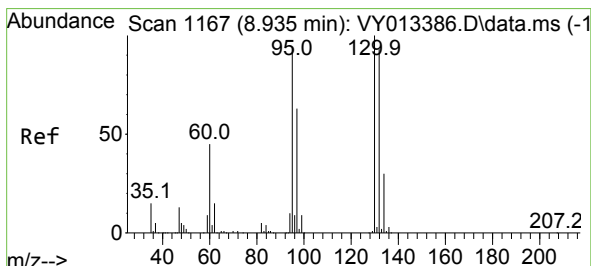
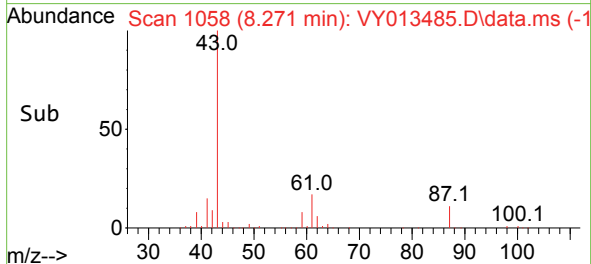
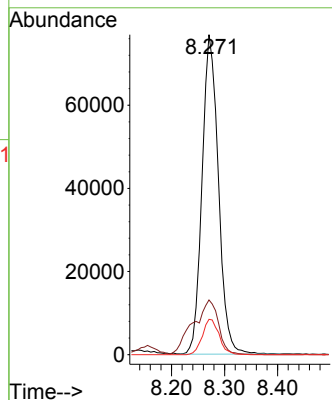
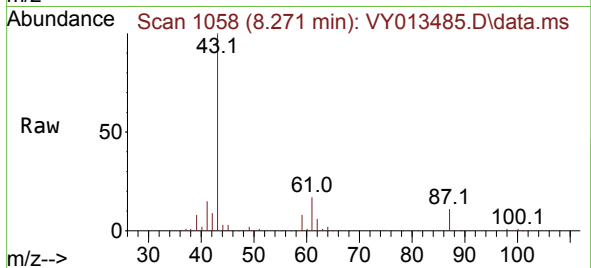




#43
Isopropyl Acetate
Concen: 48.460 ug/l
RT: 8.271 min Scan# 1058
Delta R.T. 0.001 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

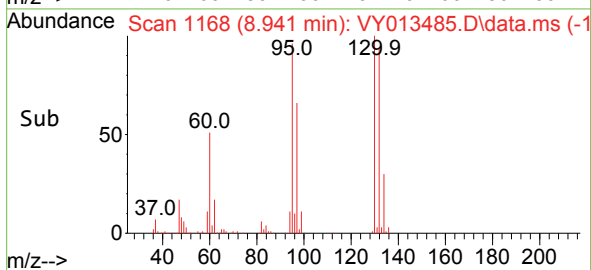
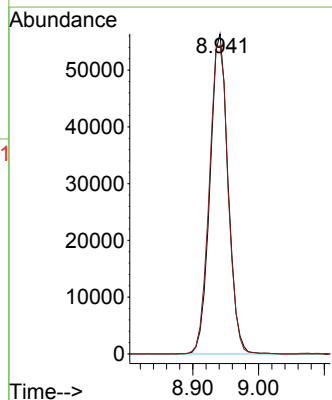
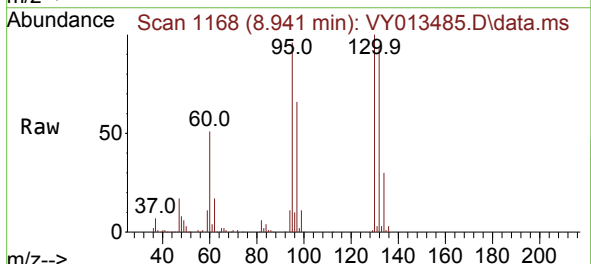
Instrument :
MSVOA_Y
ClientSampleId :
20230318-31-4MS

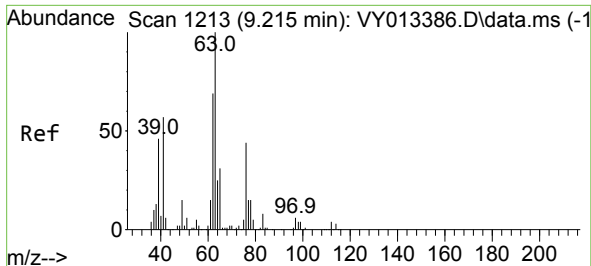
Tgt Ion:	43	Resp:	164589
Ion	Ratio	Lower	Upper
43	100		
61	26.6	22.2	33.4
87	11.3	11.0	16.6



#44
Trichloroethene
Concen: 53.851 ug/l
RT: 8.941 min Scan# 1168
Delta R.T. 0.006 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

Tgt Ion:	130	Resp:	107893
Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	188.8





#45

1,2-Dichloropropane

Concen: 56.840 ug/l

RT: 9.216 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY013485.D

Acq: 26 Apr 2023 19:45

Instrument :

MSVOA_Y

ClientSampleId :

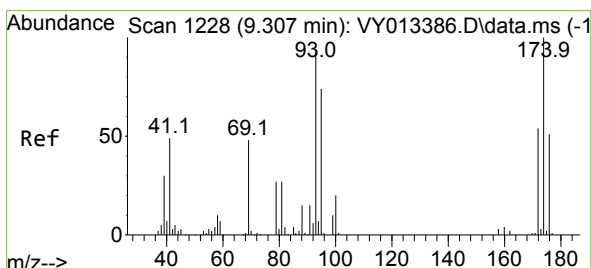
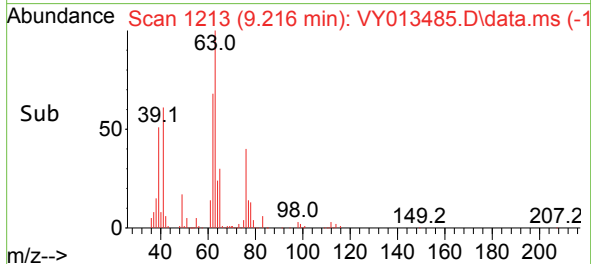
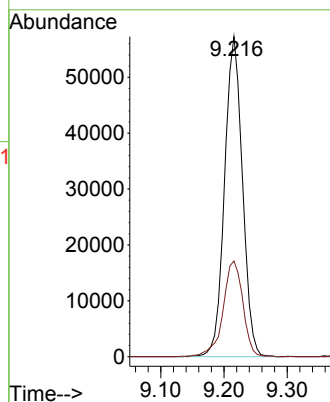
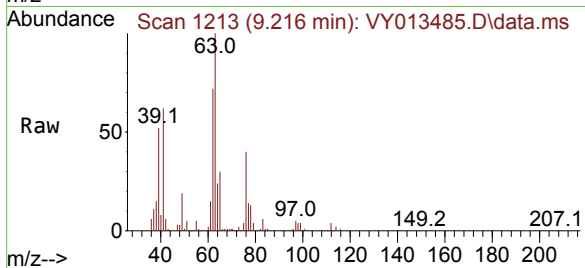
20230318-31-4MS

Tgt Ion: 63 Resp: 111940

Ion Ratio Lower Upper

63 100

65 29.9 24.6 37.0



#46

Dibromomethane

Concen: 55.748 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. -0.006 min

Lab File: VY013485.D

Acq: 26 Apr 2023 19:45

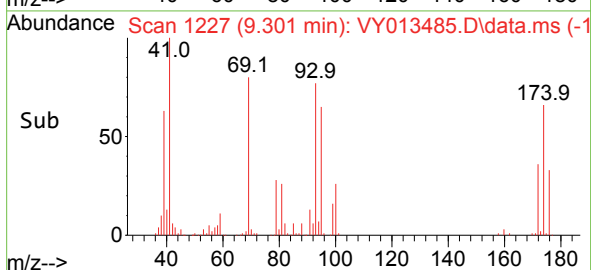
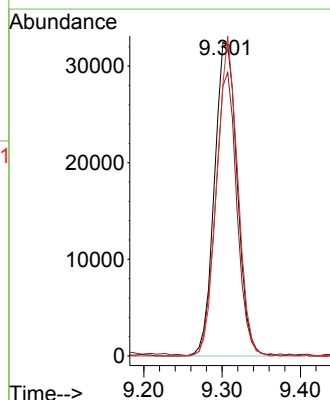
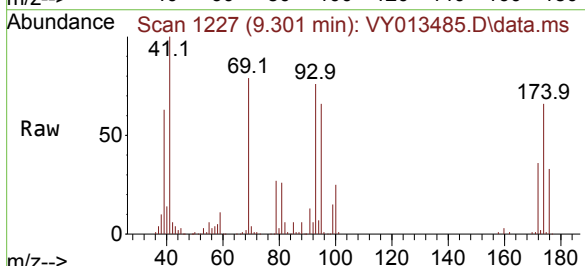
Tgt Ion: 93 Resp: 65691

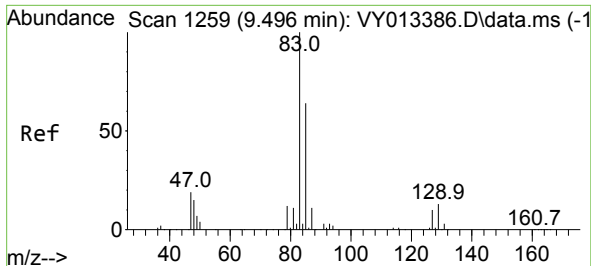
Ion Ratio Lower Upper

93 100

95 84.9 67.1 100.7

174 93.3 87.0 130.4

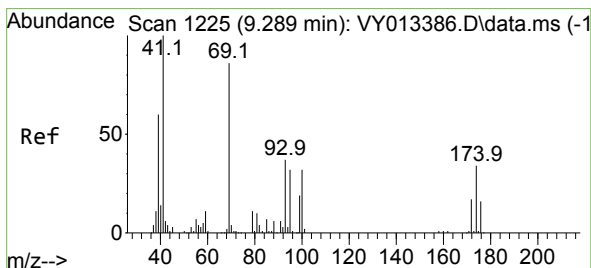
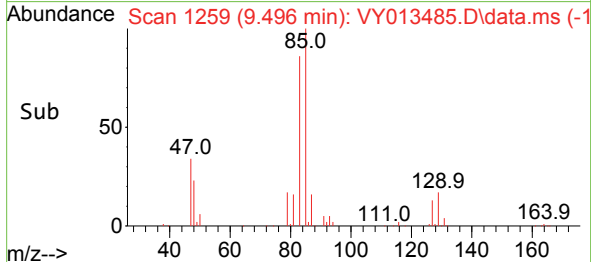
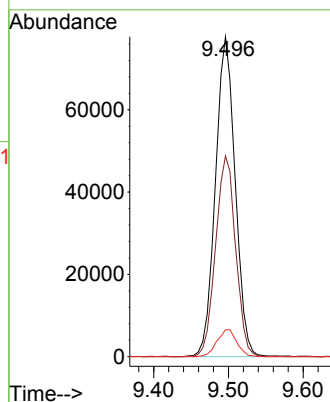
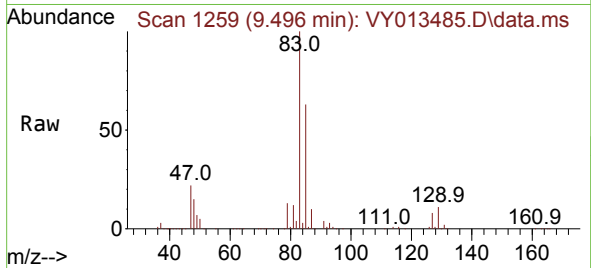




#47
Bromodichloromethane
Concen: 54.266 ug/l
RT: 9.496 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

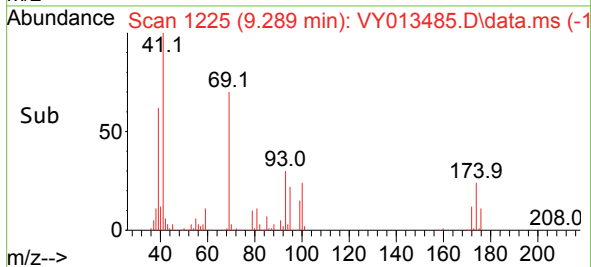
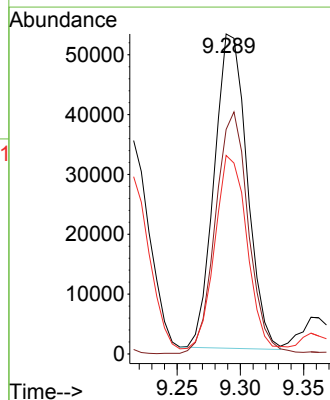
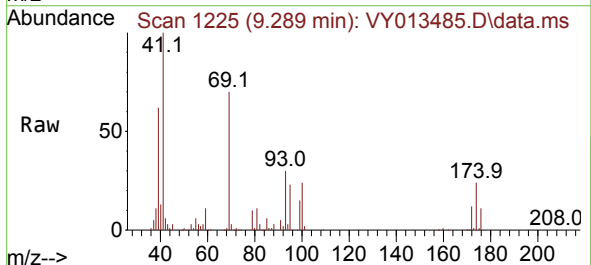
Instrument :
MSVOA_Y
ClientSampleId :
20230318-31-4MS

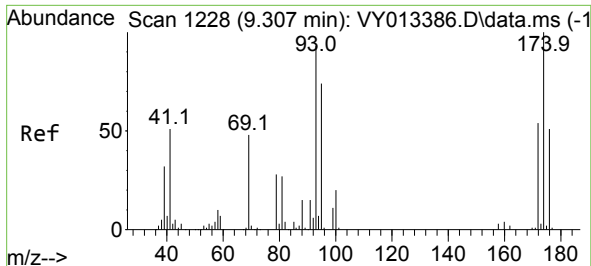
Tgt Ion: 83 Resp: 143084
Ion Ratio Lower Upper
83 100
85 62.7 51.4 77.2
127 8.4 8.1 12.1



#48
Methyl methacrylate
Concen: 60.805 ug/l
RT: 9.289 min Scan# 1225
Delta R.T. -0.000 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

Tgt Ion: 41 Resp: 94846
Ion Ratio Lower Upper
41 100
69 77.3 70.2 105.4
39 63.5 47.9 71.9





#49

1,4-Dioxane

Concen: 789.042 ug/l

RT: 9.313 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VY013485.D

Acq: 26 Apr 2023 19:45

Instrument :

MSVOA_Y

ClientSampleId :

20230318-31-4MS

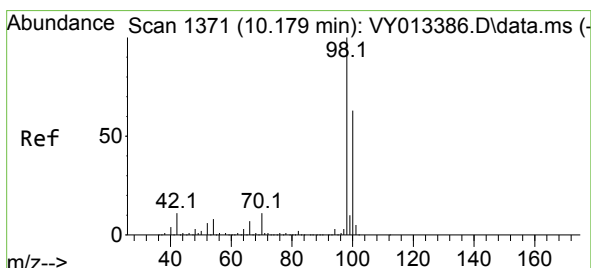
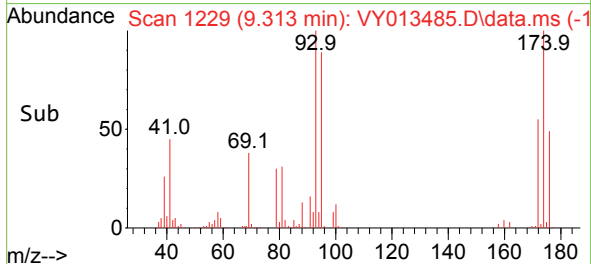
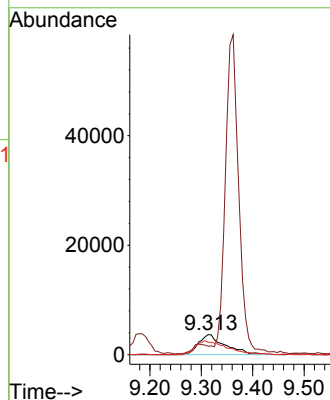
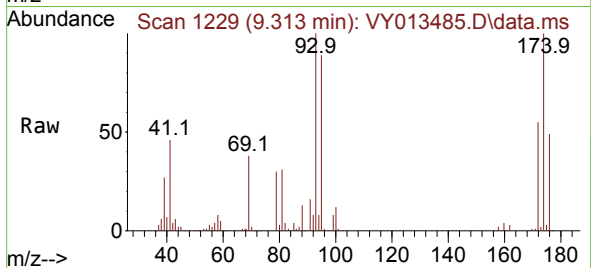
Tgt Ion: 88 Resp: 13279

Ion Ratio Lower Upper

88 100

43 26.5 16.8 25.2#

58 79.2 54.3 81.5



#50

Toluene-d8

Concen: 50.261 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013485.D

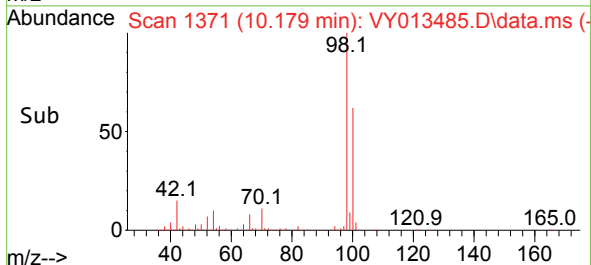
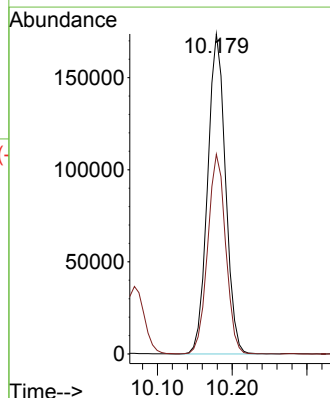
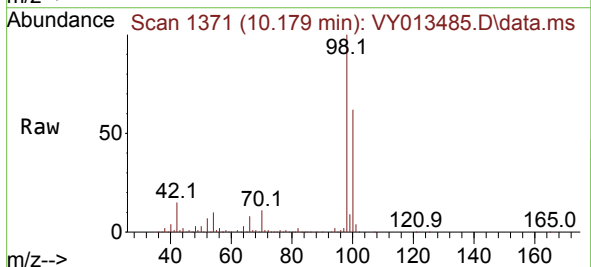
Acq: 26 Apr 2023 19:45

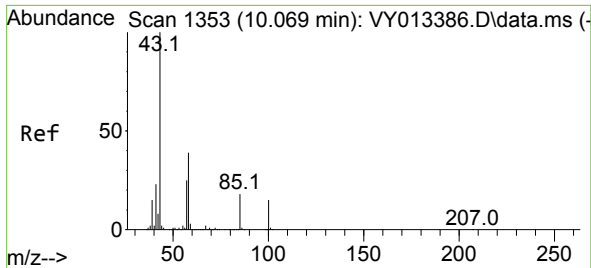
Tgt Ion: 98 Resp: 288072

Ion Ratio Lower Upper

98 100

100 62.8 50.5 75.7

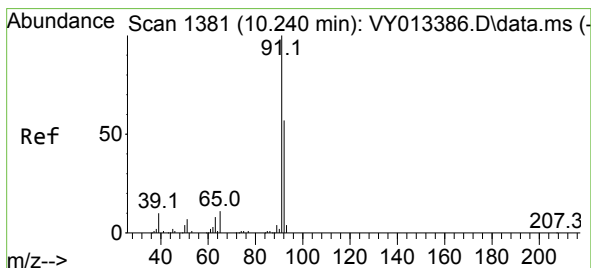
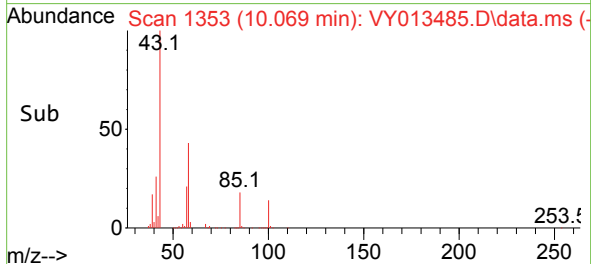
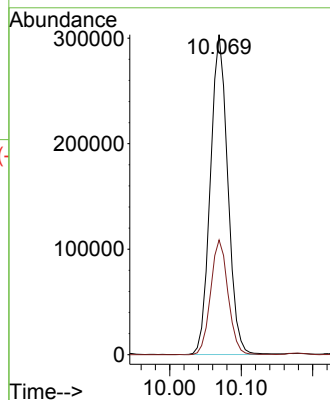
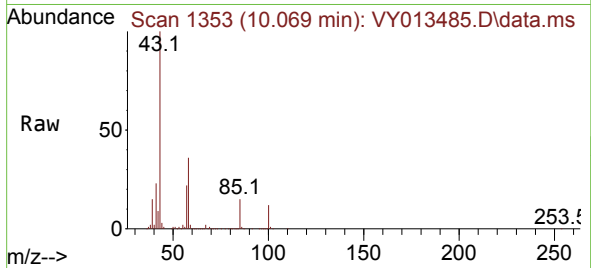




#51
4-Methyl-2-Pentanone
Concen: 271.084 ug/l
RT: 10.069 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

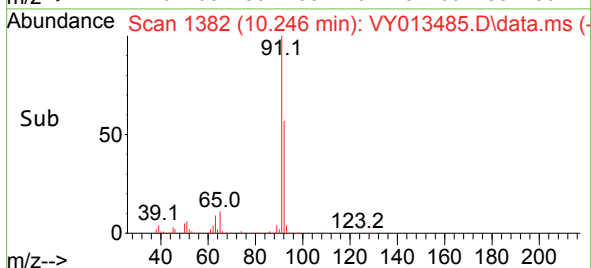
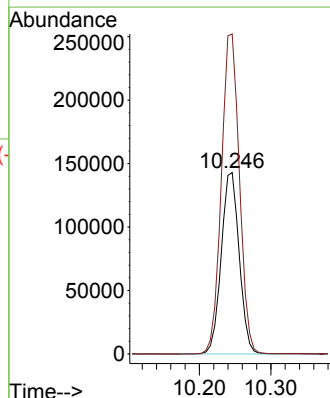
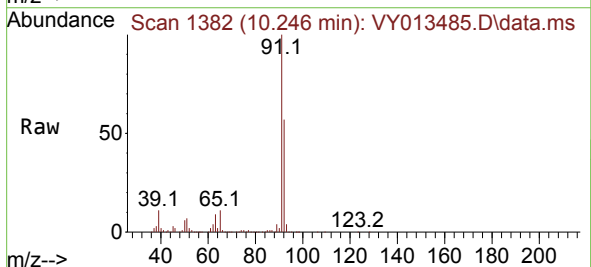
Instrument :
MSVOA_Y
ClientSampleId :
20230318-31-4MS

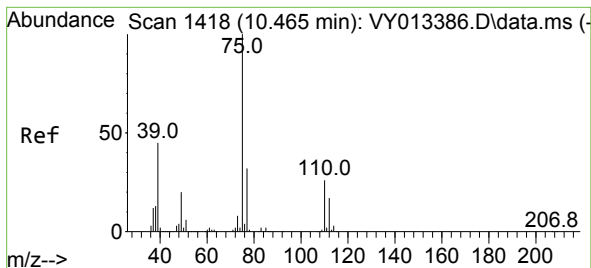
Tgt Ion: 43 Resp: 513060
Ion Ratio Lower Upper
43 100
58 35.8 30.6 46.0



#52
Toluene
Concen: 54.950 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

Tgt Ion: 92 Resp: 249067
Ion Ratio Lower Upper
92 100
91 177.5 140.2 210.4

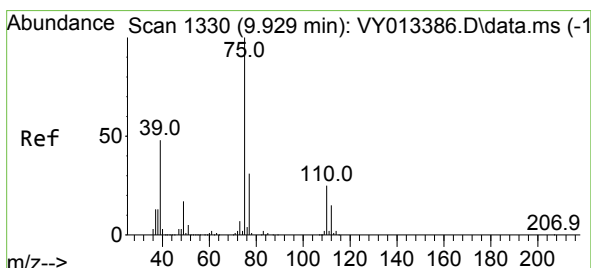
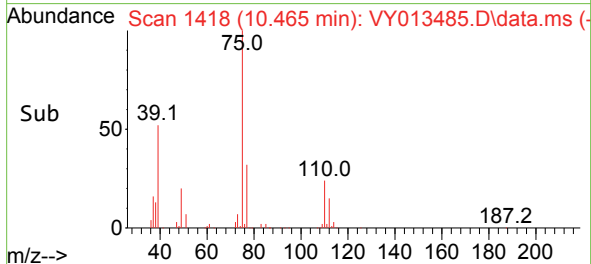
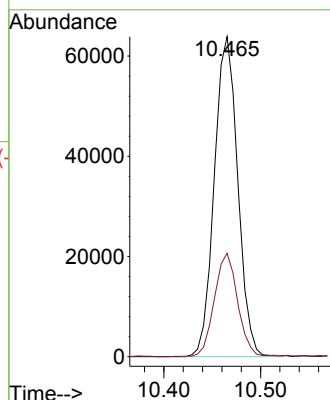
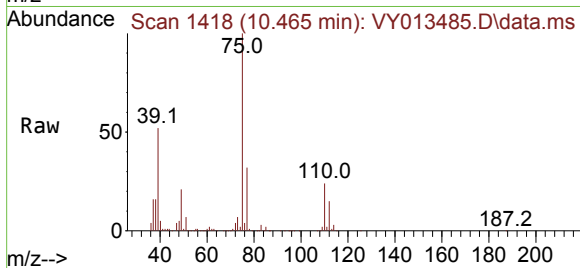




#53
 t-1,3-Dichloropropene
 Concen: 38.456 ug/l
 RT: 10.465 min Scan# 1418
 Delta R.T. 0.000 min
 Lab File: VY013485.D
 Acq: 26 Apr 2023 19:45

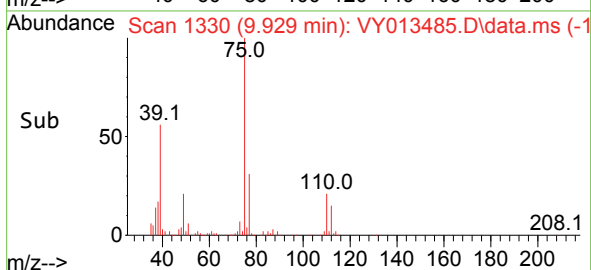
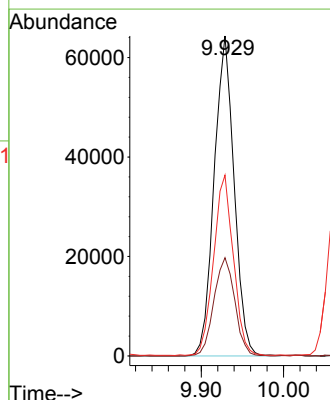
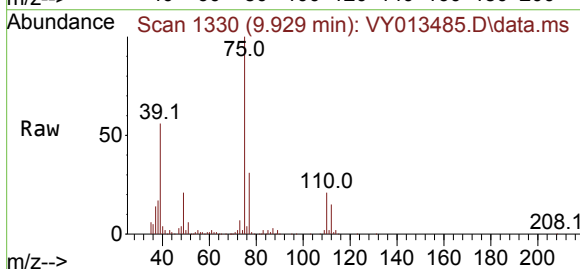
Instrument :
 MSVOA_Y
 ClientSampleId :
 20230318-31-4MS

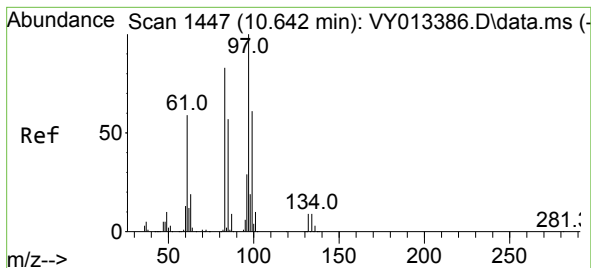
Tgt Ion: 75 Resp: 107312
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 34.522 ug/l
 RT: 9.929 min Scan# 1330
 Delta R.T. -0.000 min
 Lab File: VY013485.D
 Acq: 26 Apr 2023 19:45

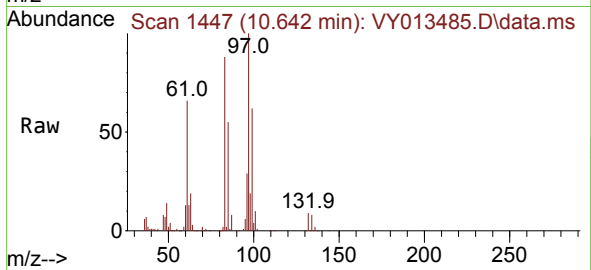
Tgt Ion: 75 Resp: 108398
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.8 37.2
 39 56.1 38.1 57.1



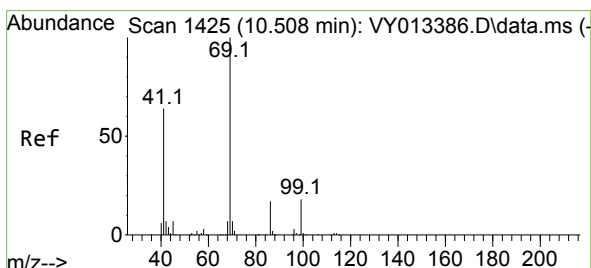
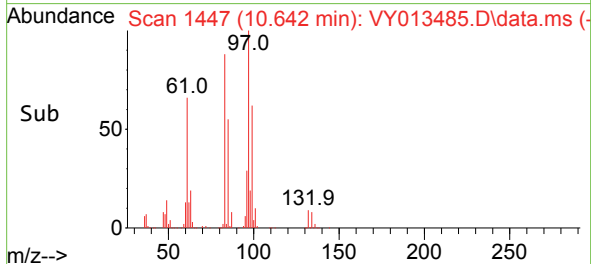
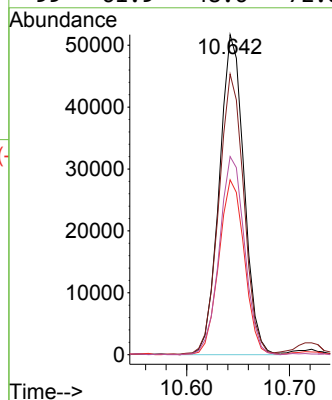


#55
1,1,2-Trichloroethane
Concen: 55.303 ug/l
RT: 10.642 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

Instrument :
MSVOA_Y
ClientSampleId :
20230318-31-4MS

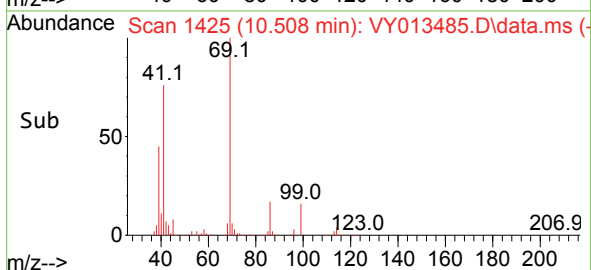
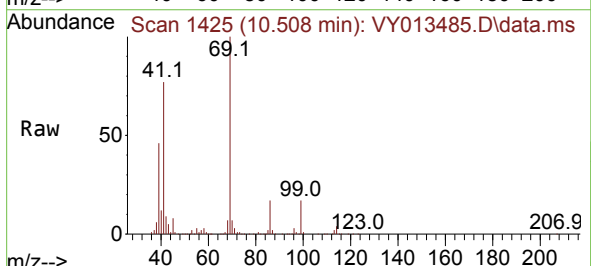
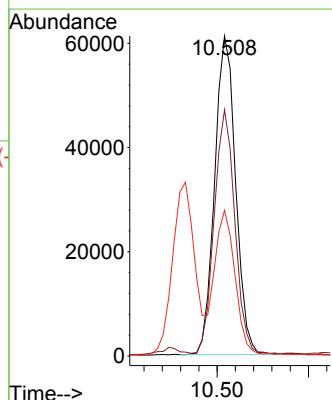


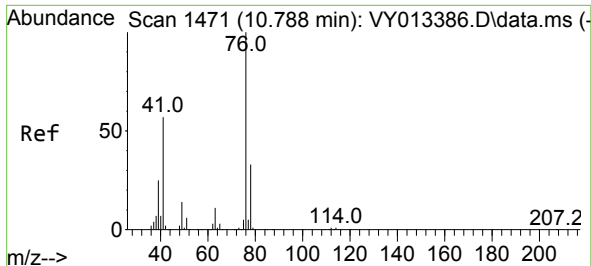
Tgt Ion: 97	Resp: 86299
Ion Ratio	Lower Upper
97 100	
83 87.5	66.4 99.6
85 54.6	45.6 68.4
99 61.9	48.6 72.8



#56
Ethyl methacrylate
Concen: 45.075 ug/l
RT: 10.508 min Scan# 1425
Delta R.T. 0.000 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

Tgt Ion: 69	Resp: 97584
Ion Ratio	Lower Upper
69 100	
41 75.4	51.4 77.0
39 45.9	29.0 43.6#





#57

1,3-Dichloropropane

Concen: 54.734 ug/l

RT: 10.788 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VY013485.D

Acq: 26 Apr 2023 19:45

Instrument :

MSVOA_Y

ClientSampleId :

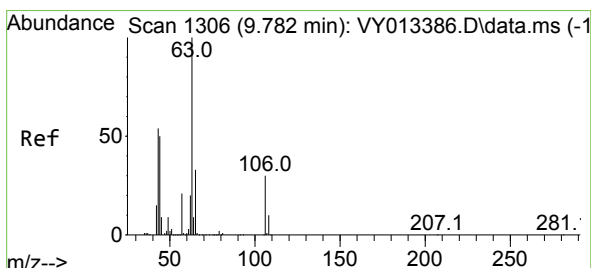
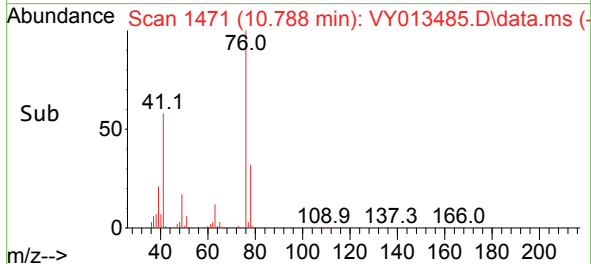
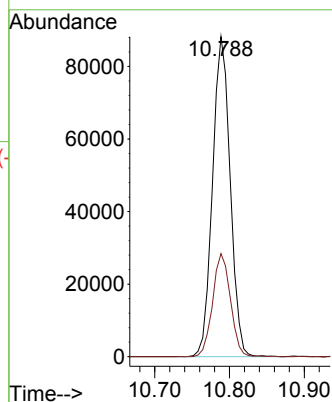
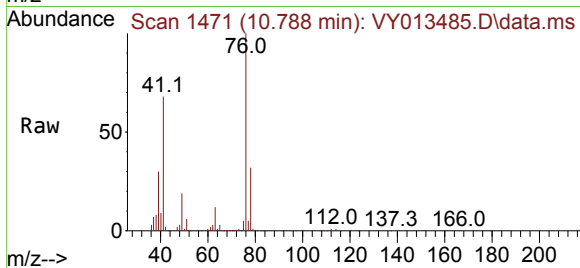
20230318-31-4MS

Tgt Ion: 76 Resp: 144653

Ion Ratio Lower Upper

76 100

78 32.6 26.5 39.7



#58

2-Chloroethyl Vinyl ether

Concen: 250.718 ug/l

RT: 9.783 min Scan# 1306

Delta R.T. 0.001 min

Lab File: VY013485.D

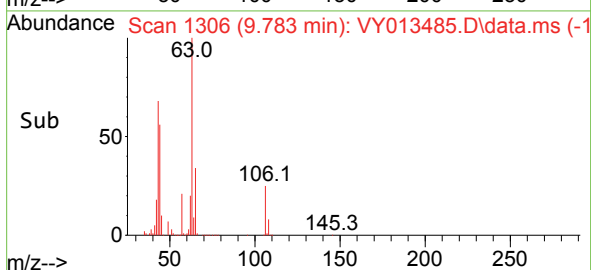
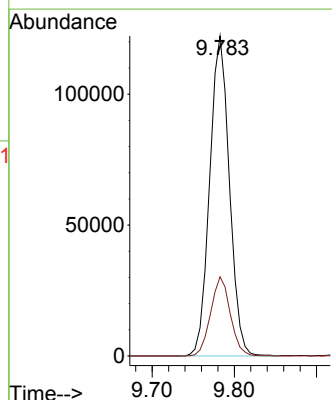
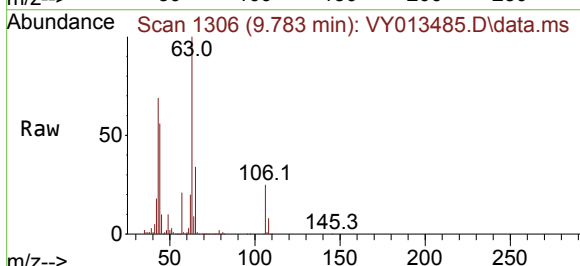
Acq: 26 Apr 2023 19:45

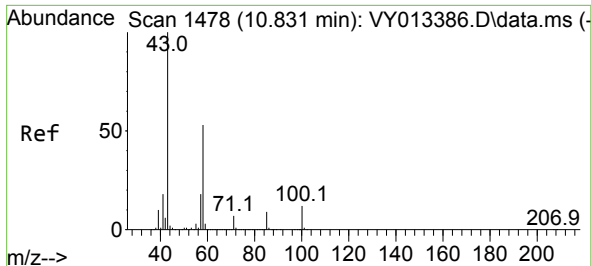
Tgt Ion: 63 Resp: 203536

Ion Ratio Lower Upper

63 100

106 24.6 23.5 35.3

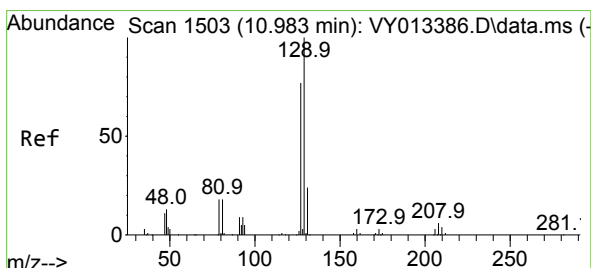
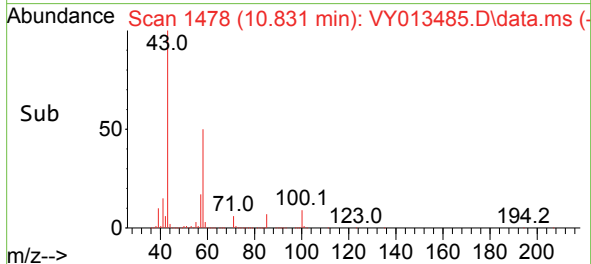
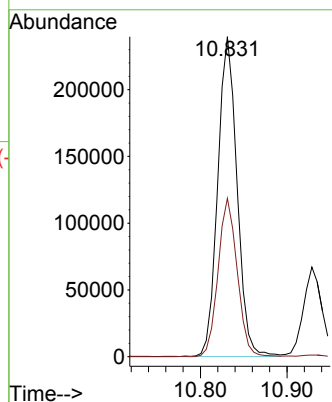
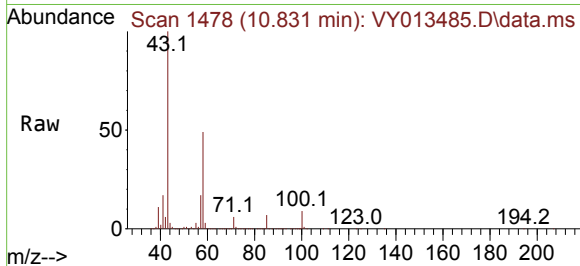




#59
2-Hexanone
Concen: 269.516 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

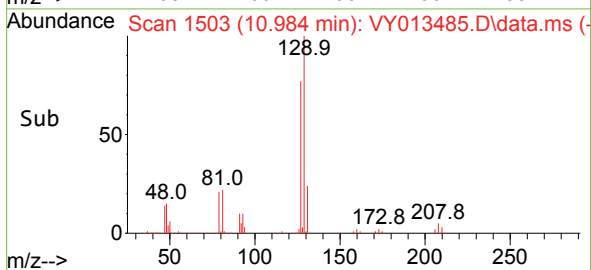
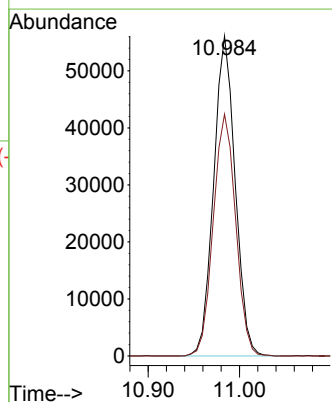
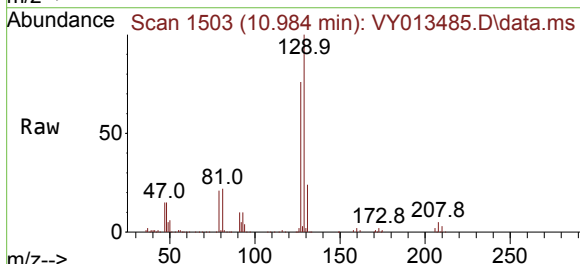
Instrument :
MSVOA_Y
ClientSampleId :
20230318-31-4MS

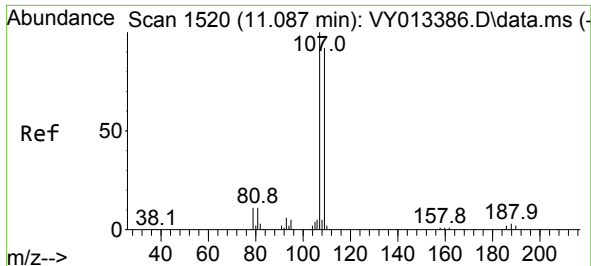
Tgt Ion: 43 Resp: 370796
Ion Ratio Lower Upper
43 100
58 49.1 26.3 78.8



#60
Dibromochloromethane
Concen: 48.539 ug/l
RT: 10.984 min Scan# 1503
Delta R.T. 0.001 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

Tgt Ion: 129 Resp: 91971
Ion Ratio Lower Upper
129 100
127 78.5 38.7 116.1

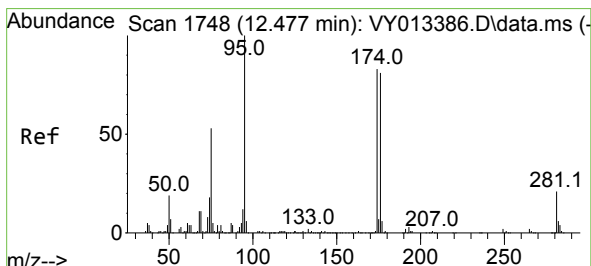
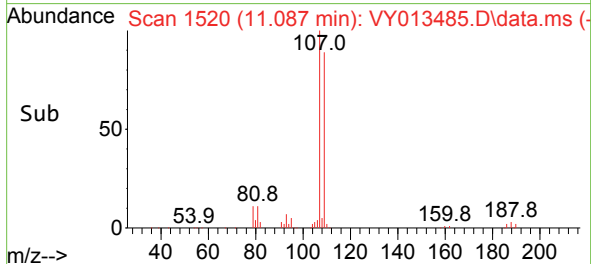
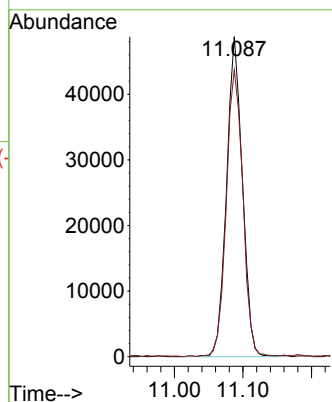
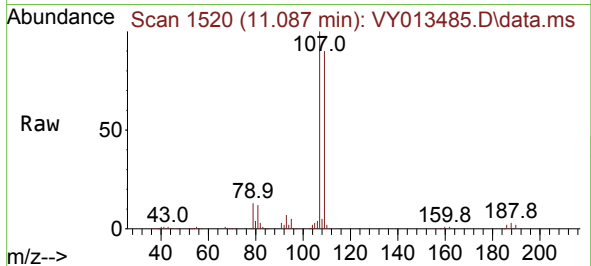




#61
1,2-Dibromoethane
Concen: 50.894 ug/l
RT: 11.087 min Scan# 111
Delta R.T. 0.000 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

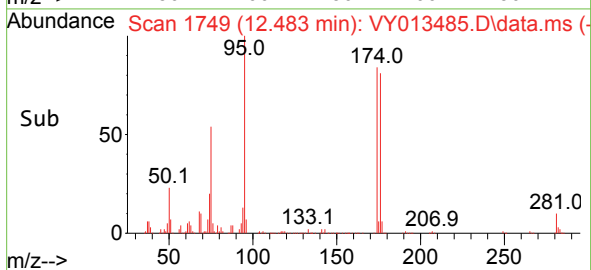
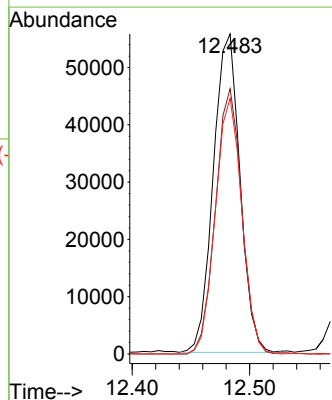
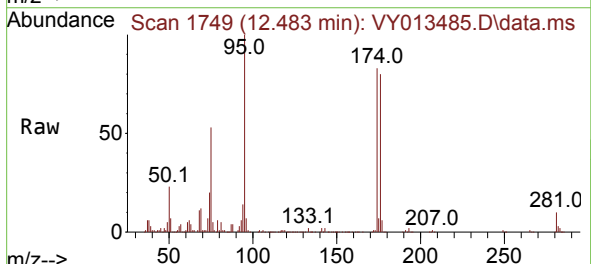
Instrument :
MSVOA_Y
ClientSampleId :
20230318-31-4MS

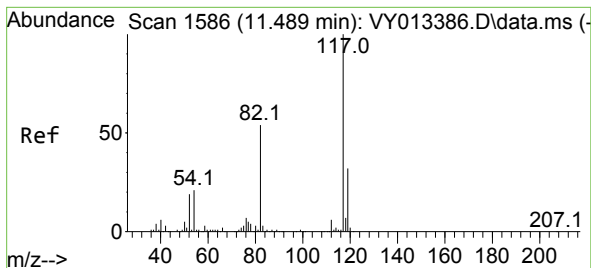
Tgt Ion:107 Resp: 78082
Ion Ratio Lower Upper
107 100
109 93.8 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 45.394 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

Tgt Ion: 95 Resp: 87711
Ion Ratio Lower Upper
95 100
174 82.0 0.0 182.0
176 79.8 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY013485.D

Acq: 26 Apr 2023 19:45

Instrument :

MSVOA_Y

ClientSampleId :

20230318-31-4MS

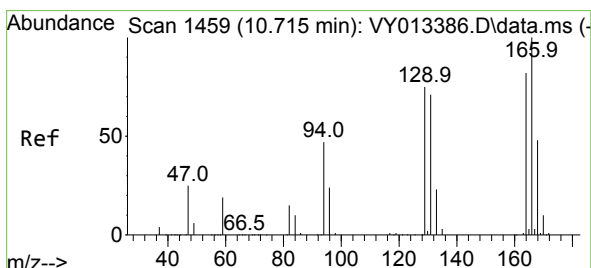
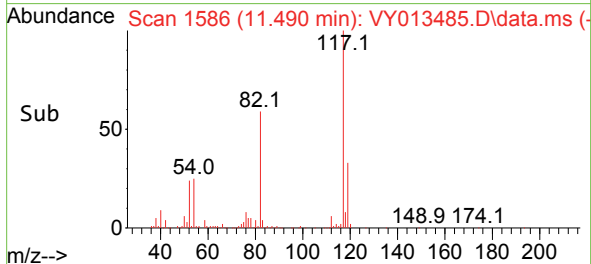
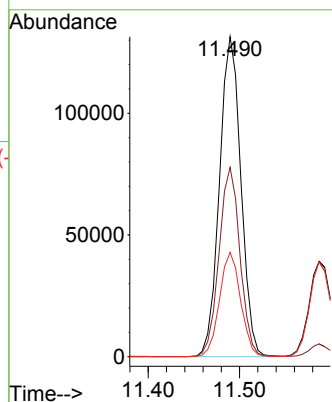
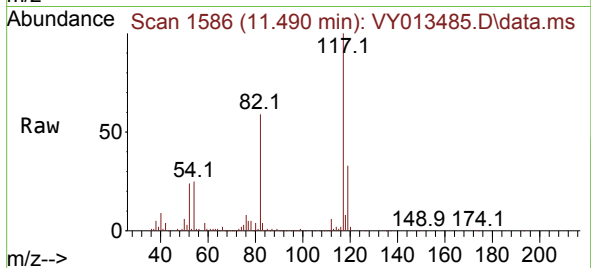
Tgt Ion:117 Resp: 214227

Ion Ratio Lower Upper

117 100

82 59.1 43.0 64.6

119 32.6 25.5 38.3



#64

Tetrachloroethene

Concen: 72.521 ug/l

RT: 10.721 min Scan# 1460

Delta R.T. 0.006 min

Lab File: VY013485.D

Acq: 26 Apr 2023 19:45

Tgt Ion:164 Resp: 118137

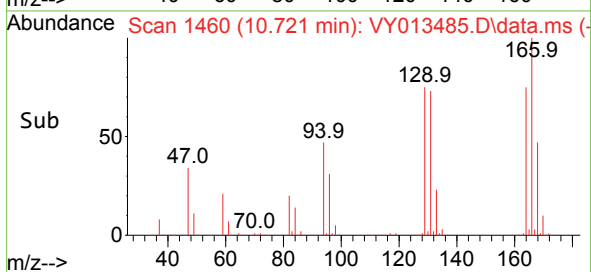
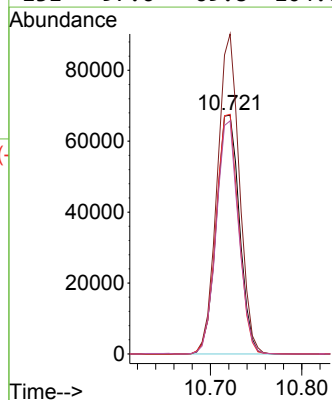
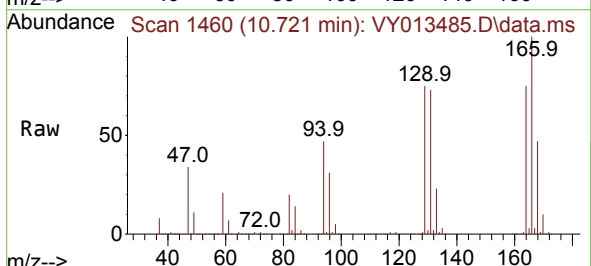
Ion Ratio Lower Upper

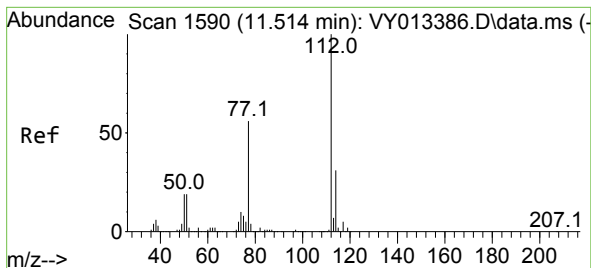
164 100

166 134.0 97.5 146.3

129 100.3 72.6 109.0

131 97.6 69.8 104.6

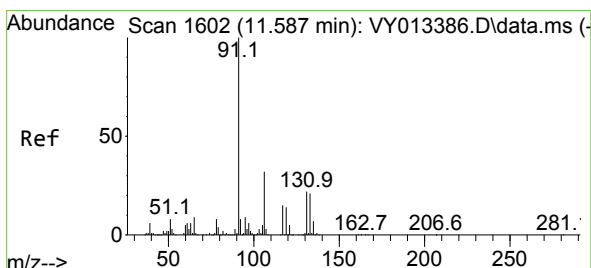
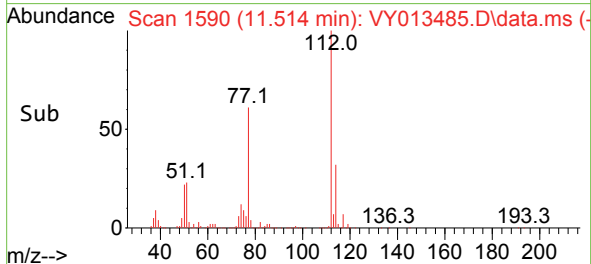
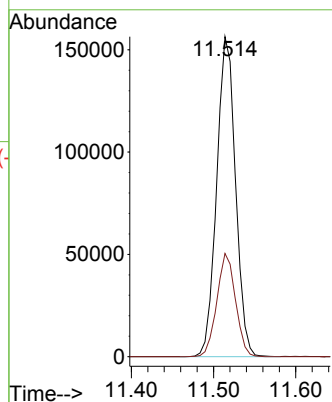
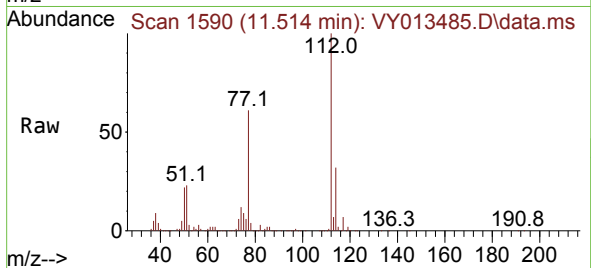




#65
Chlorobenzene
Concen: 53.336 ug/l
RT: 11.514 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

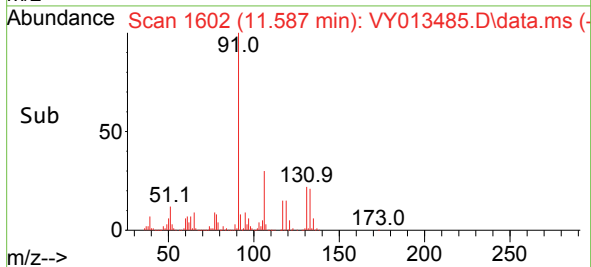
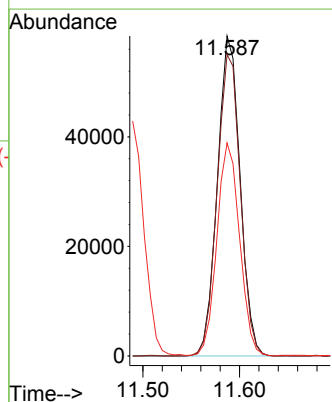
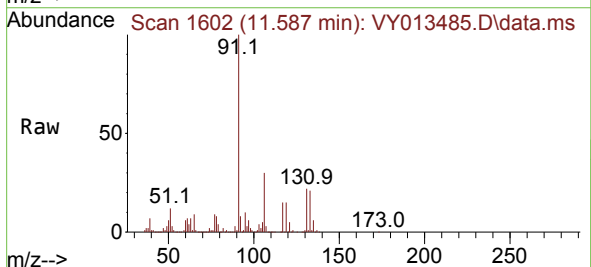
Instrument :
MSVOA_Y
ClientSampleId :
20230318-31-4MS

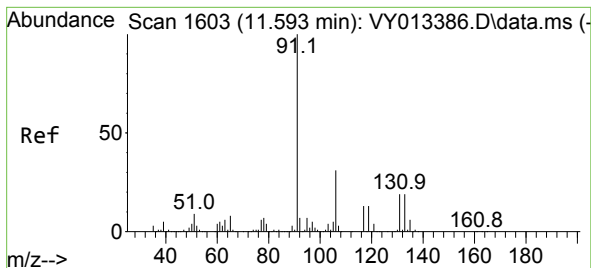
Tgt Ion:112 Resp: 248902
Ion Ratio Lower Upper
112 100
114 32.2 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 54.412 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

Tgt Ion:131 Resp: 94967
Ion Ratio Lower Upper
131 100
133 96.1 47.7 143.1
119 66.8 32.6 98.0





#67

Ethyl Benzene

Concen: 54.943 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY013485.D

Acq: 26 Apr 2023 19:45

Instrument :

MSVOA_Y

ClientSampleId :

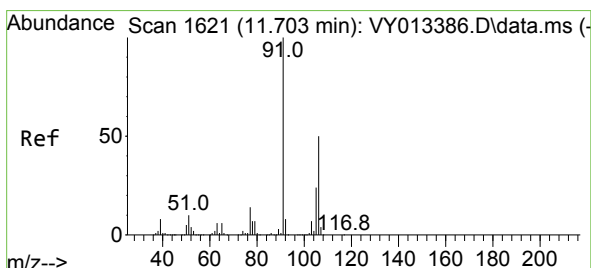
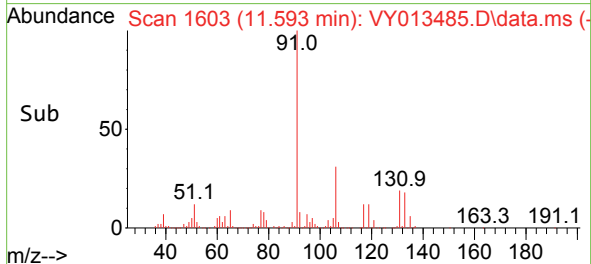
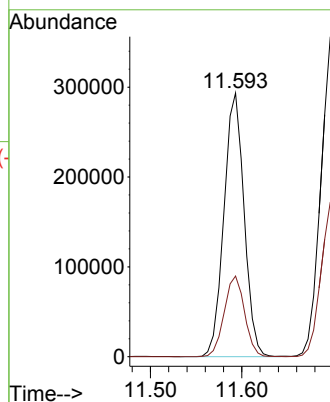
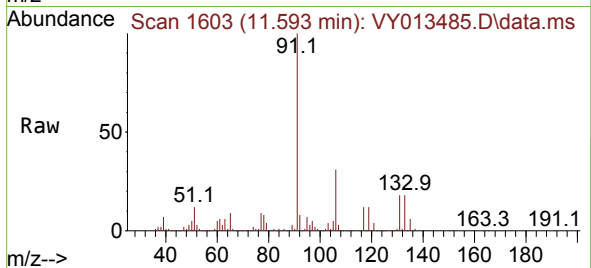
20230318-31-4MS

Tgt Ion: 91 Resp: 450243

Ion Ratio Lower Upper

91 100

106 30.6 25.1 37.7



#68

m/p-Xylenes

Concen: 107.950 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.000 min

Lab File: VY013485.D

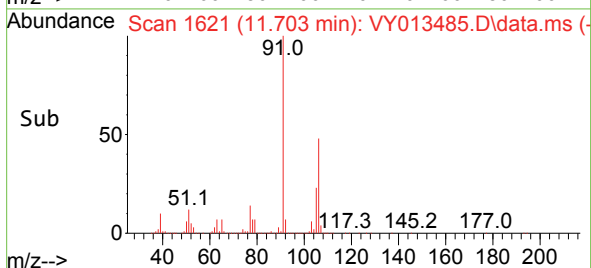
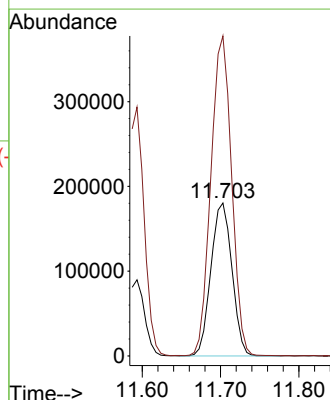
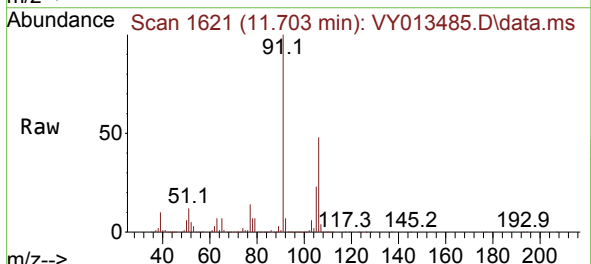
Acq: 26 Apr 2023 19:45

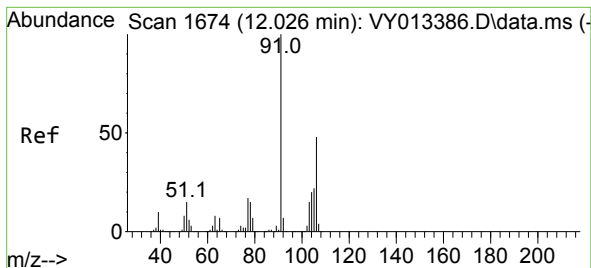
Tgt Ion:106 Resp: 336292

Ion Ratio Lower Upper

106 100

91 206.6 160.9 241.3





#69

o-Xylene

Concen: 54.818 ug/l

RT: 12.026 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY013485.D

Acq: 26 Apr 2023 19:45

Instrument :

MSVOA_Y

ClientSampleId :

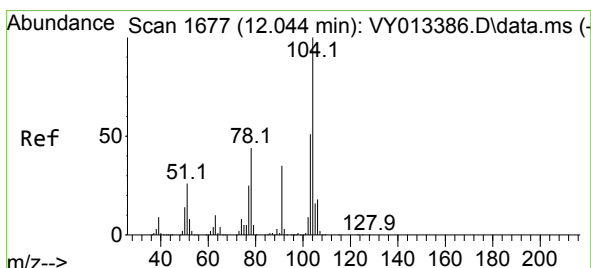
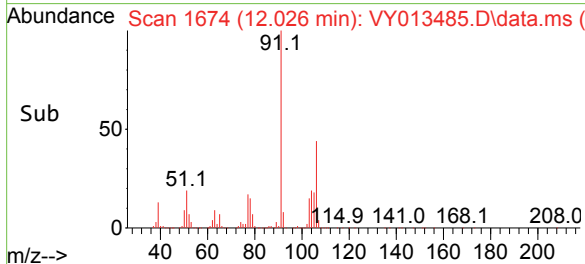
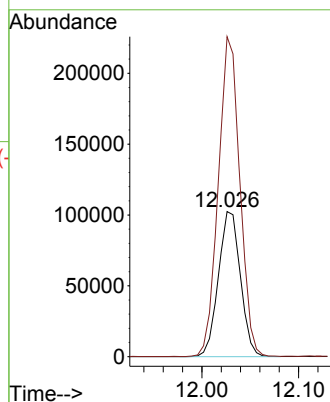
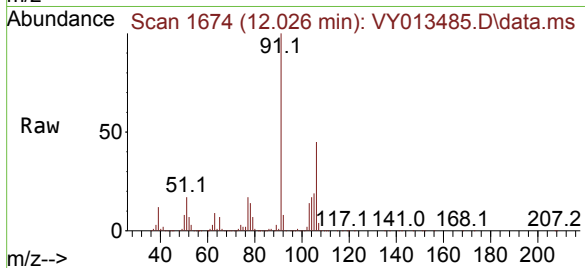
20230318-31-4MS

Tgt Ion:106 Resp: 161507

Ion Ratio Lower Upper

106 100

91 216.1 105.5 316.4



#70

Styrene

Concen: 48.256 ug/l

RT: 12.044 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VY013485.D

Acq: 26 Apr 2023 19:45

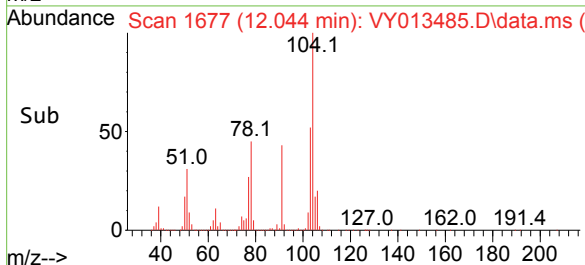
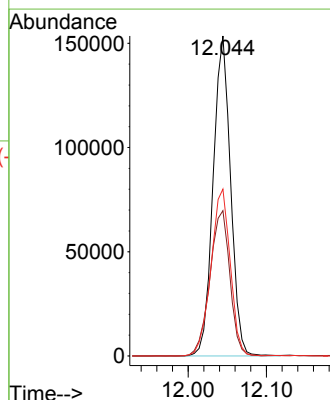
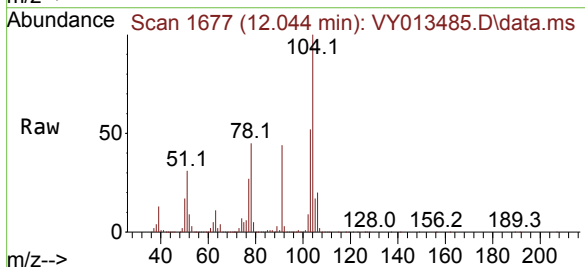
Tgt Ion:104 Resp: 237718

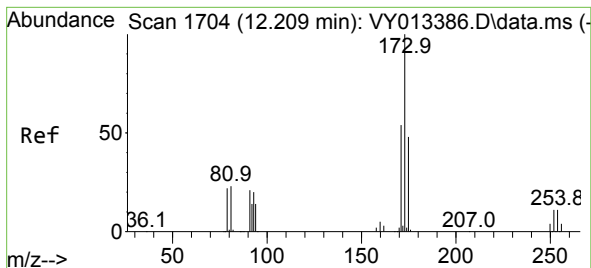
Ion Ratio Lower Upper

104 100

78 52.0 40.3 60.5

103 57.8 45.0 67.4





#71

Bromoform

Concen: 43.882 ug/l

RT: 12.209 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY013485.D

Acq: 26 Apr 2023 19:45

Instrument :

MSVOA_Y

ClientSampleId :

20230318-31-4MS

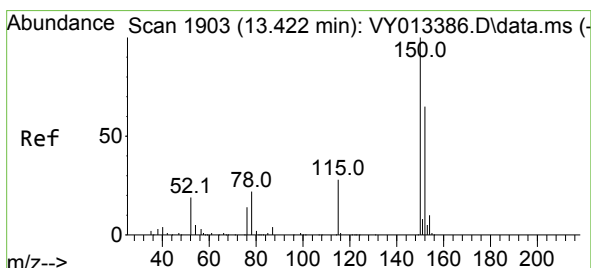
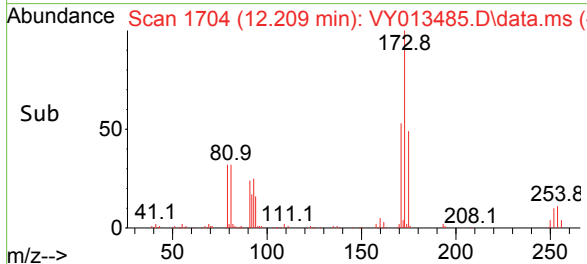
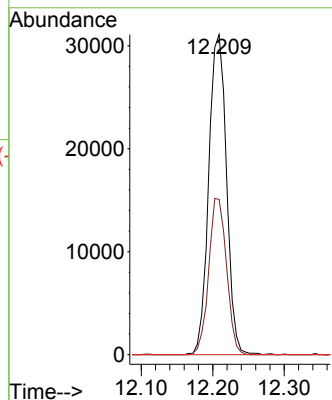
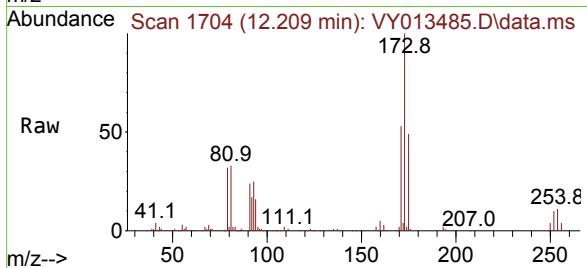
Tgt Ion:173 Resp: 53646

Ion Ratio Lower Upper

173 100

175 48.9 24.3 72.8

254 0.0 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY013485.D

Acq: 26 Apr 2023 19:45

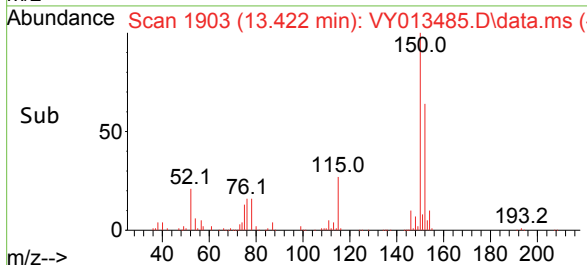
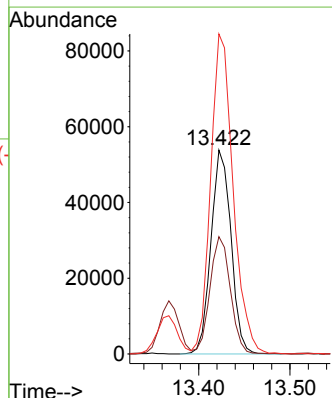
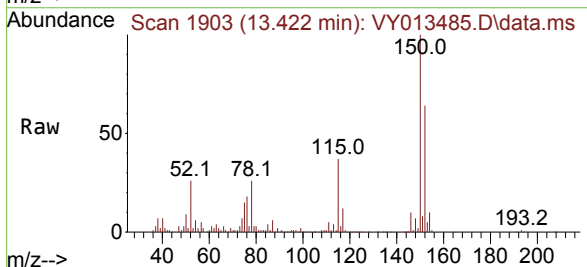
Tgt Ion:152 Resp: 82312

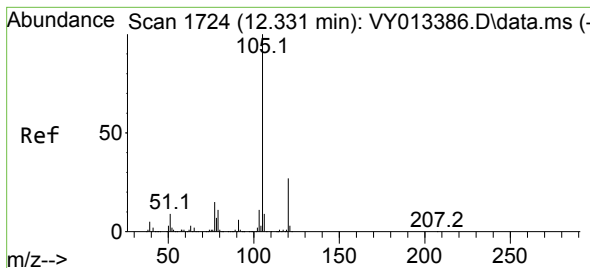
Ion Ratio Lower Upper

152 100

115 58.4 28.1 84.2

150 175.3 0.0 352.0





#73

Isopropylbenzene

Concen: 62.414 ug/l

RT: 12.331 min Scan# 1724

Delta R.T. -0.000 min

Lab File: VY013485.D

Acq: 26 Apr 2023 19:45

Instrument :

MSVOA_Y

ClientSampleId :

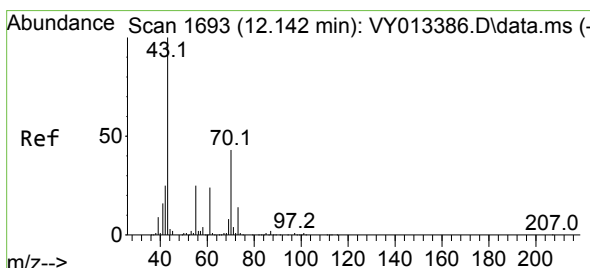
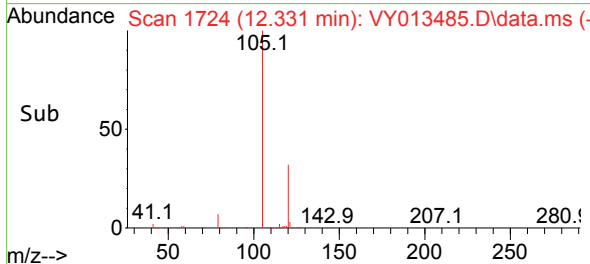
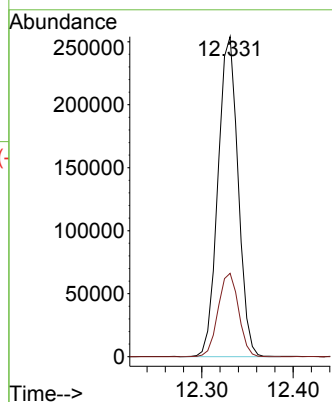
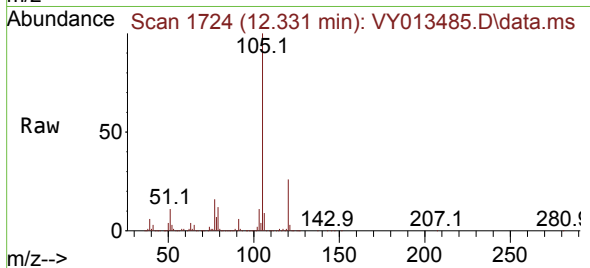
20230318-31-4MS

Tgt Ion:105 Resp: 388579

Ion Ratio Lower Upper

105 100

120 26.5 13.7 41.0



#74

N-ethyl acetate

Concen: 31.876 ug/l

RT: 12.142 min Scan# 1693

Delta R.T. -0.000 min

Lab File: VY013485.D

Acq: 26 Apr 2023 19:45

Tgt Ion: 43 Resp: 70622

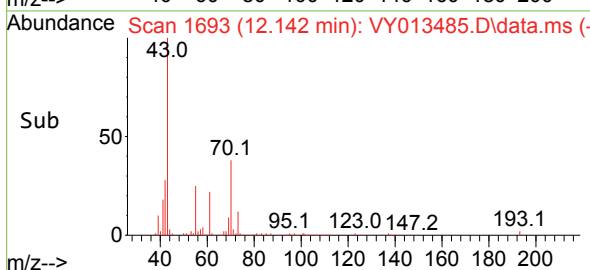
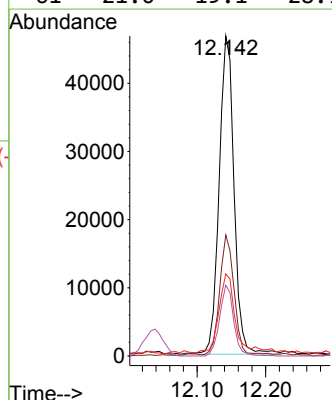
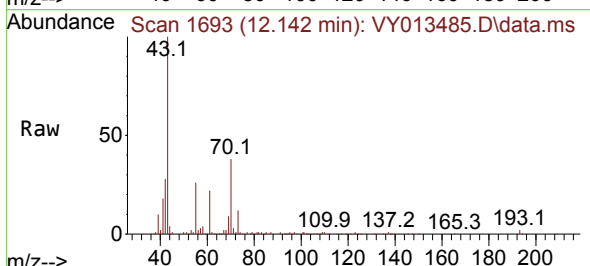
Ion Ratio Lower Upper

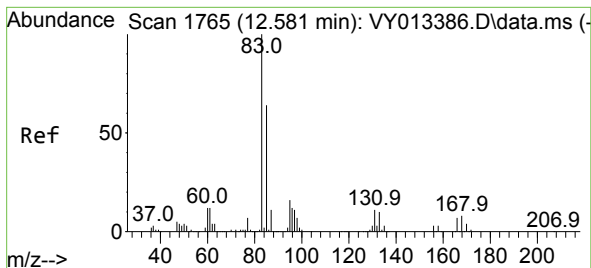
43 100

70 36.7 33.0 49.4

55 28.1 19.8 29.6

61 21.0 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 65.795 ug/l

RT: 12.581 min Scan# 1765

Delta R.T. -0.000 min

Lab File: VY013485.D

Acq: 26 Apr 2023 19:45

Instrument :

MSVOA_Y

ClientSampleId :

20230318-31-4MS

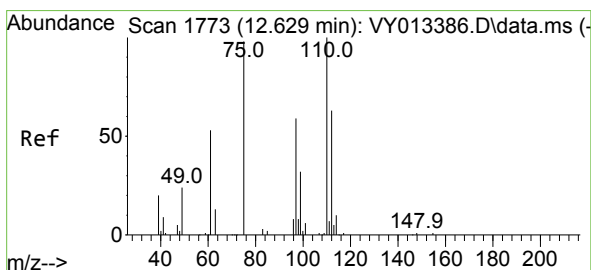
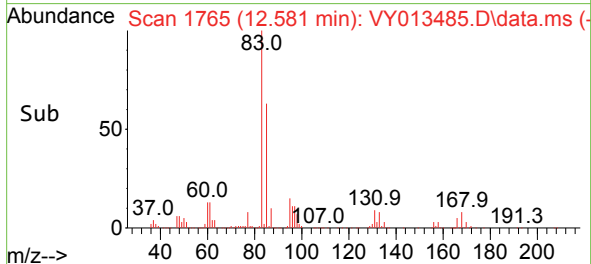
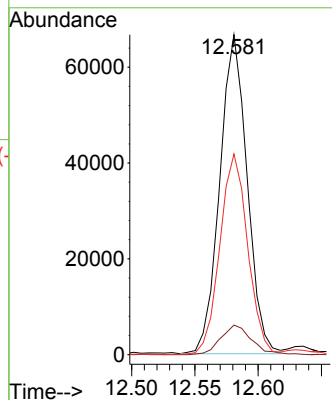
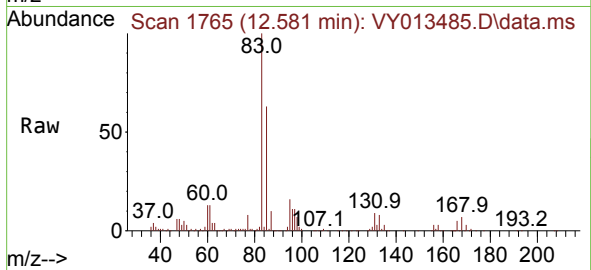
Tgt Ion: 83 Resp: 100124

Ion Ratio Lower Upper

83 100

131 10.5 5.7 17.0

85 64.1 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 103.165 ug/l

RT: 12.630 min Scan# 1773

Delta R.T. 0.001 min

Lab File: VY013485.D

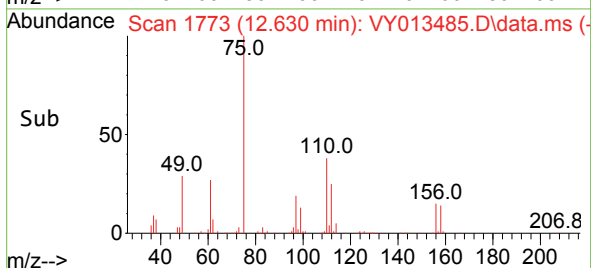
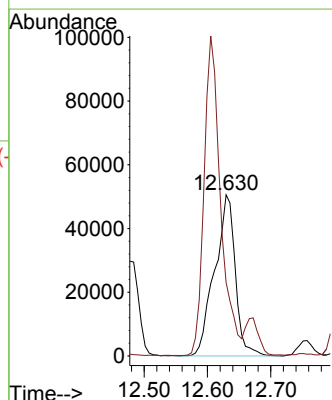
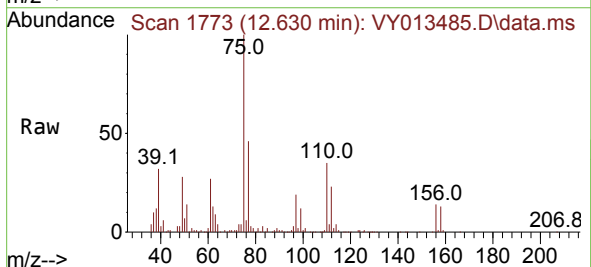
Acq: 26 Apr 2023 19:45

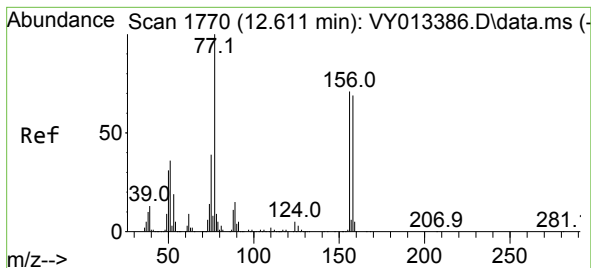
Tgt Ion: 75 Resp: 114521

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 62.072 ug/l

RT: 12.605 min Scan# 1769

Delta R.T. -0.006 min

Lab File: VY013485.D

Acq: 26 Apr 2023 19:45

Instrument :

MSVOA_Y

ClientSampleId :

20230318-31-4MS

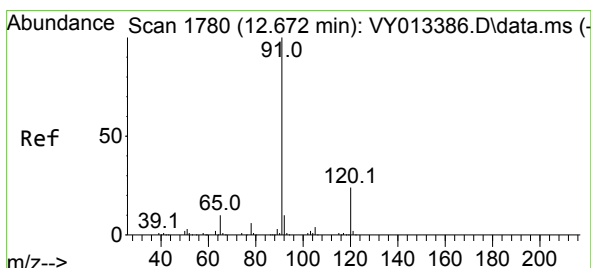
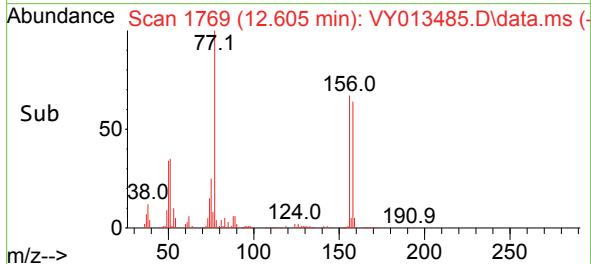
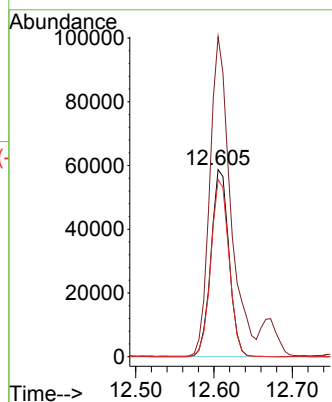
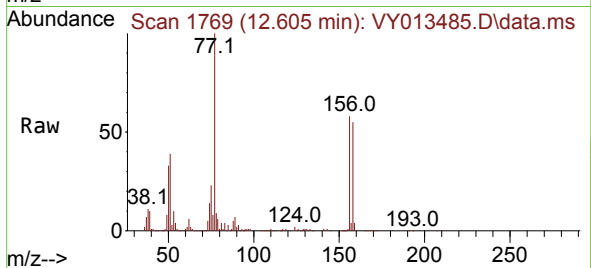
Tgt Ion:156 Resp: 93637

Ion Ratio Lower Upper

156 100

77 196.4 87.6 262.9

158 95.7 48.5 145.5



#78

n-propylbenzene

Concen: 58.654 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.000 min

Lab File: VY013485.D

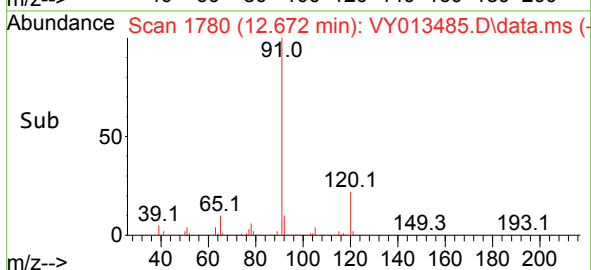
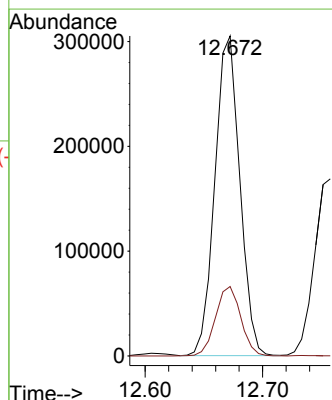
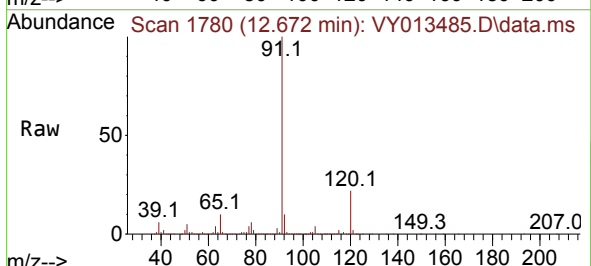
Acq: 26 Apr 2023 19:45

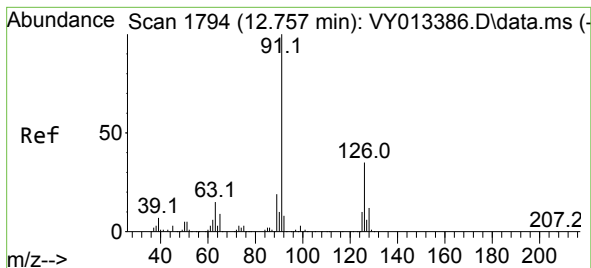
Tgt Ion: 91 Resp: 449783

Ion Ratio Lower Upper

91 100

120 22.0 11.9 35.9





#79

2-Chlorotoluene

Concen: 61.615 ug/l

RT: 12.758 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY013485.D

Acq: 26 Apr 2023 19:45

Instrument :

MSVOA_Y

ClientSampleId :

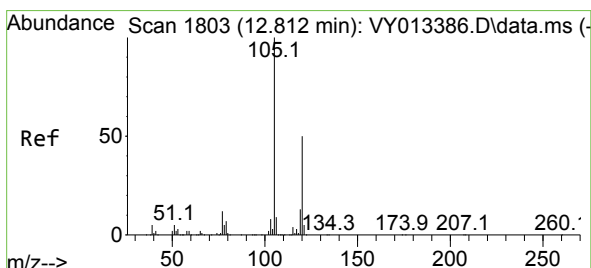
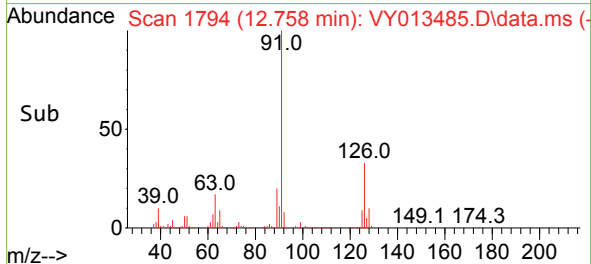
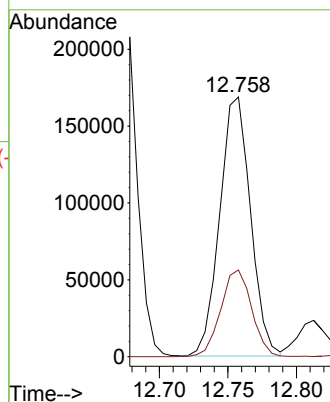
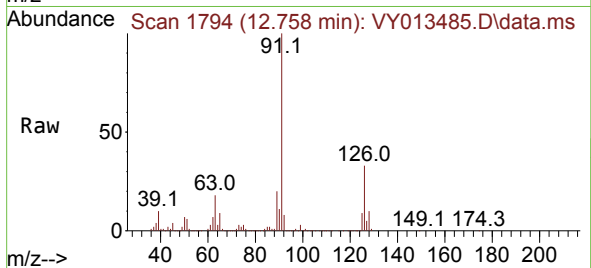
20230318-31-4MS

Tgt Ion: 91 Resp: 263855

Ion Ratio Lower Upper

91 100

126 33.6 17.8 53.4



#80

1,3,5-Trimethylbenzene

Concen: 58.041 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY013485.D

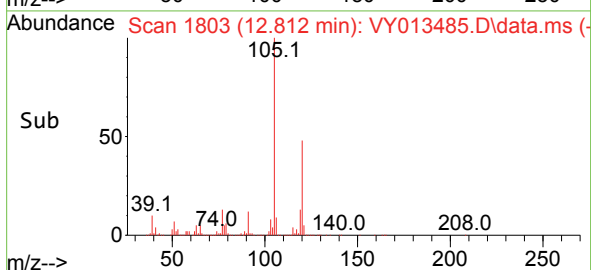
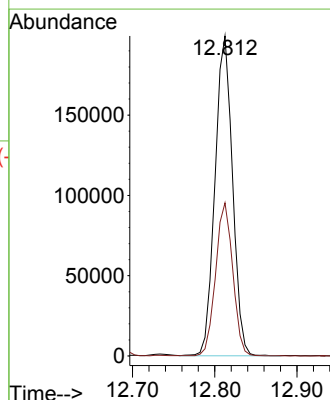
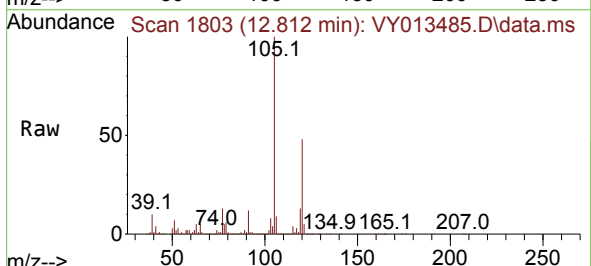
Acq: 26 Apr 2023 19:45

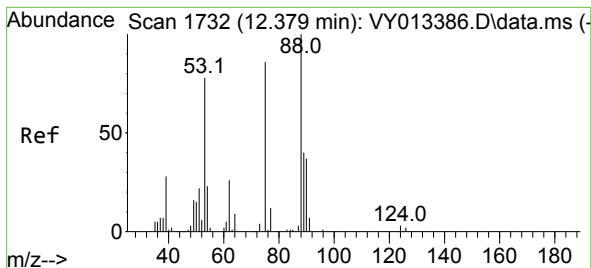
Tgt Ion: 105 Resp: 294932

Ion Ratio Lower Upper

105 100

120 46.8 24.7 74.1

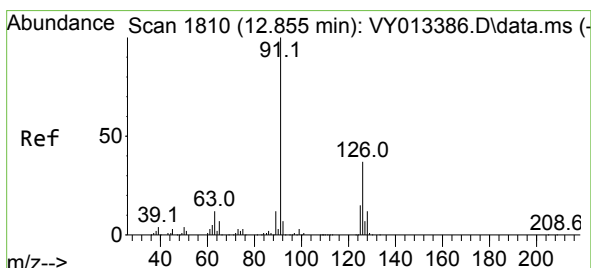
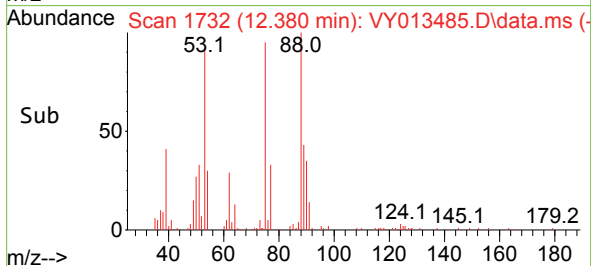
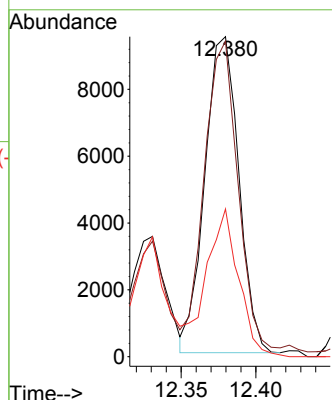
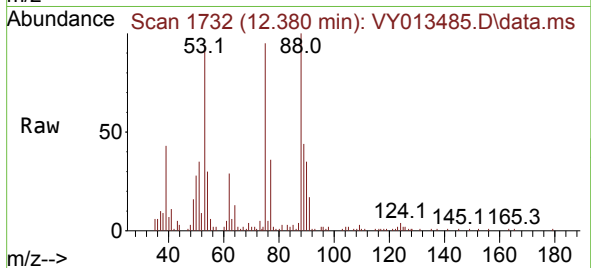




#81
trans-1,4-Dichloro-2-butene
Concen: 27.521 ug/l
RT: 12.380 min Scan# 1732
Delta R.T. 0.001 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

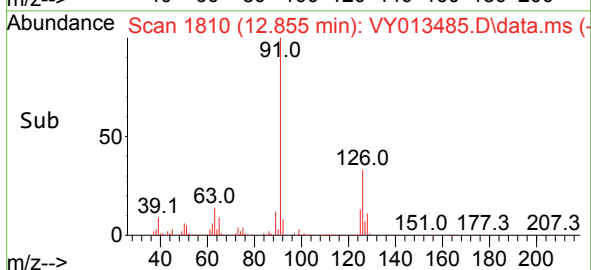
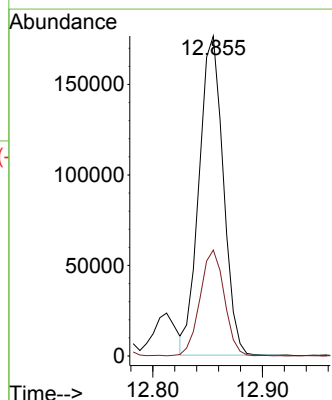
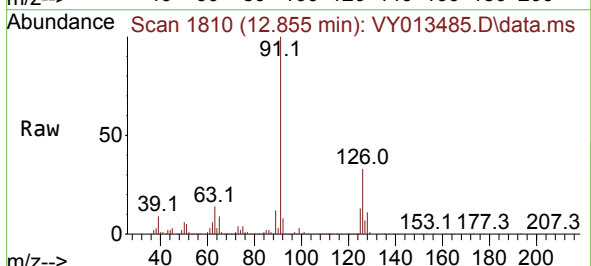
Instrument :
MSVOA_Y
ClientSampleId :
20230318-31-4MS

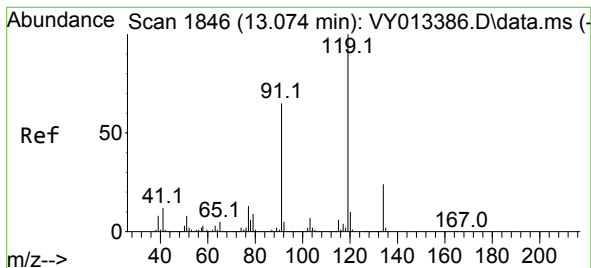
Tgt Ion:	75	Resp:	14935
Ion	Ratio	Lower	Upper
75	100		
53	98.2	73.2	109.8
89	45.3	38.0	57.0



#82
4-Chlorotoluene
Concen: 60.556 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

Tgt Ion:	91	Resp:	270283
Ion	Ratio	Lower	Upper
91	100		
126	33.5	17.9	53.8





#83

tert-Butylbenzene

Concen: 53.609 ug/l

RT: 13.075 min Scan# 1846

Delta R.T. 0.001 min

Lab File: VY013485.D

Acq: 26 Apr 2023 19:45

Instrument :

MSVOA_Y

ClientSampleId :

20230318-31-4MS

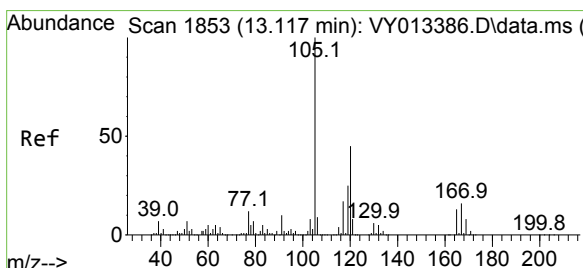
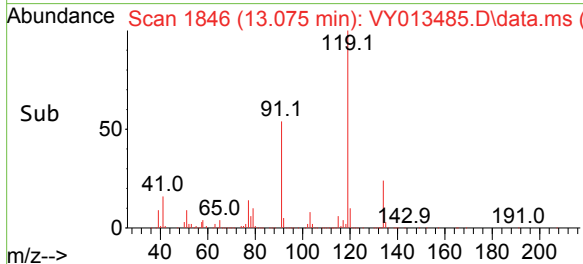
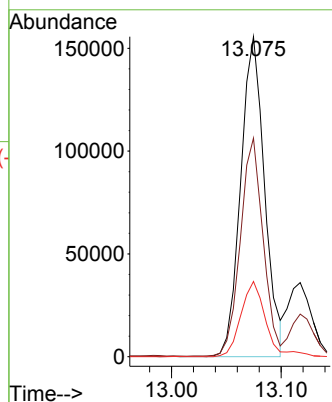
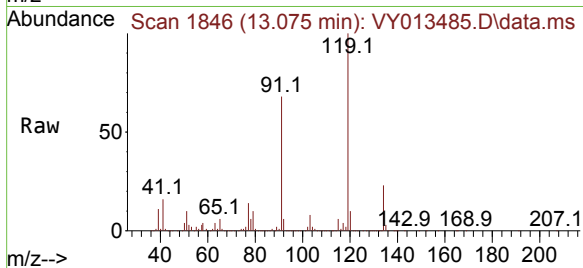
Tgt Ion:119 Resp: 236007

Ion Ratio Lower Upper

119 100

91 64.8 32.2 96.6

134 24.4 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 58.548 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY013485.D

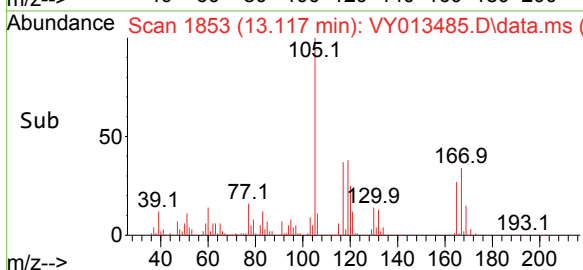
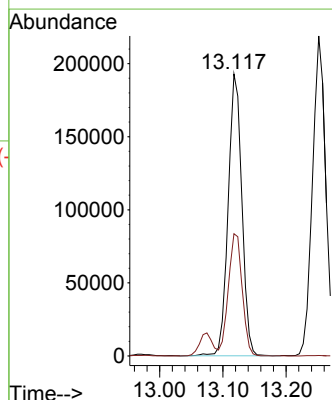
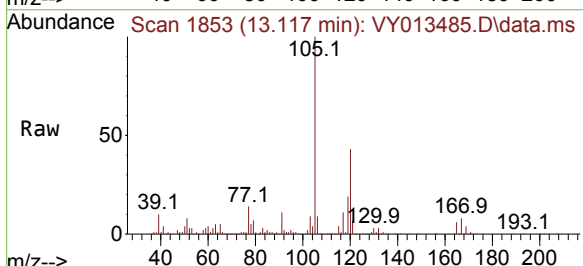
Acq: 26 Apr 2023 19:45

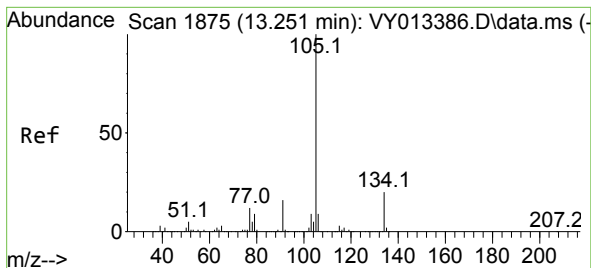
Tgt Ion:105 Resp: 289247

Ion Ratio Lower Upper

105 100

120 43.8 22.3 66.9





#85

sec-Butylbenzene

Concen: 47.955 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY013485.D

Acq: 26 Apr 2023 19:45

Instrument :

MSVOA_Y

ClientSampleId :

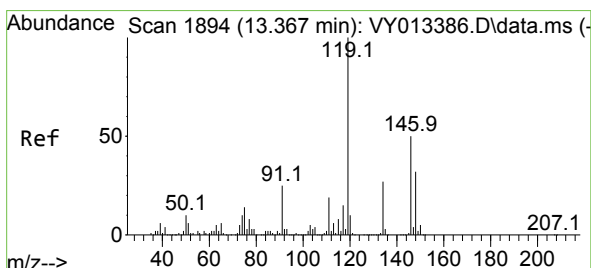
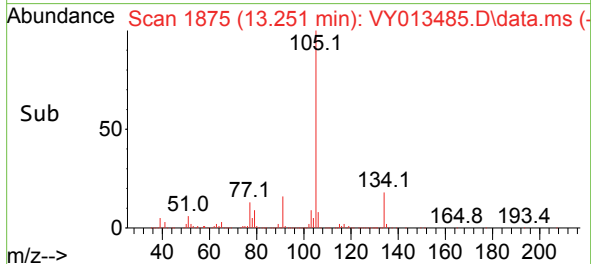
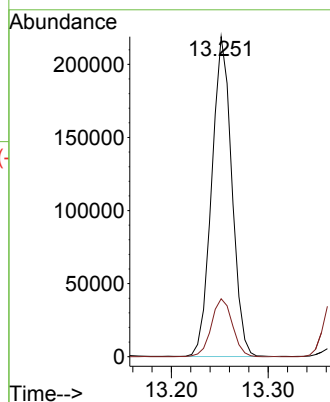
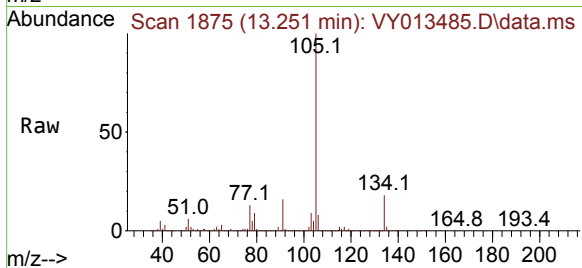
20230318-31-4MS

Tgt Ion:105 Resp: 316849

Ion Ratio Lower Upper

105 100

134 18.9 10.3 30.9



#86

p-Isopropyltoluene

Concen: 47.167 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY013485.D

Acq: 26 Apr 2023 19:45

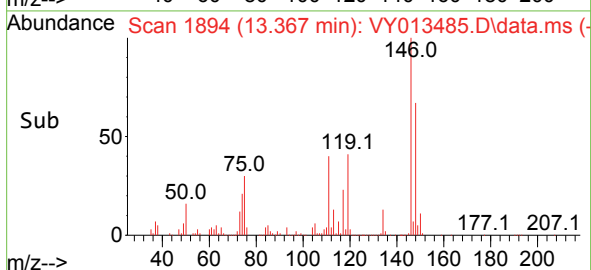
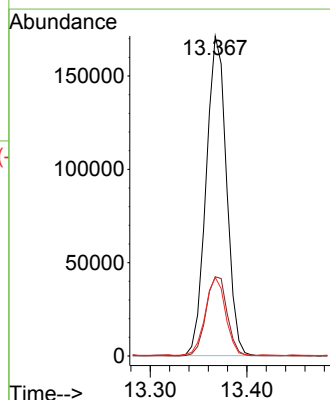
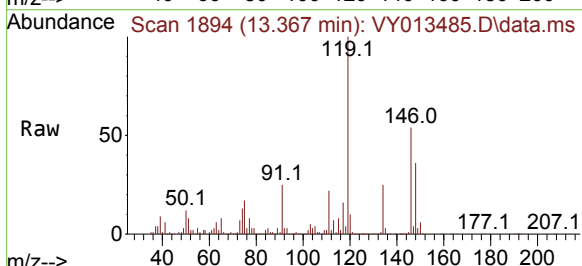
Tgt Ion:119 Resp: 250616

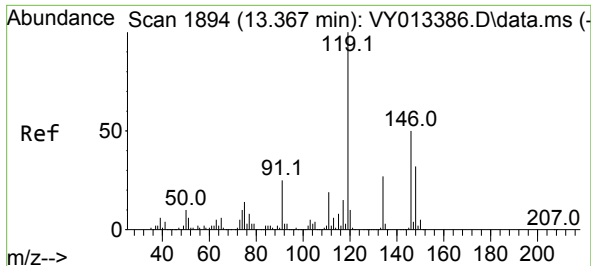
Ion Ratio Lower Upper

119 100

134 25.9 13.4 40.2

91 24.3 12.1 36.3

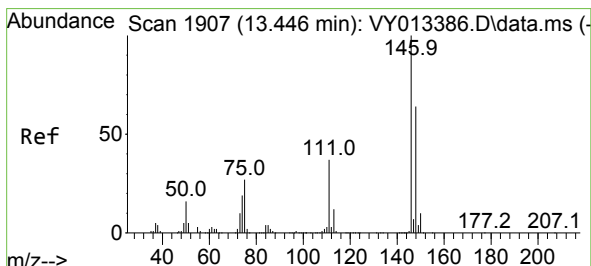
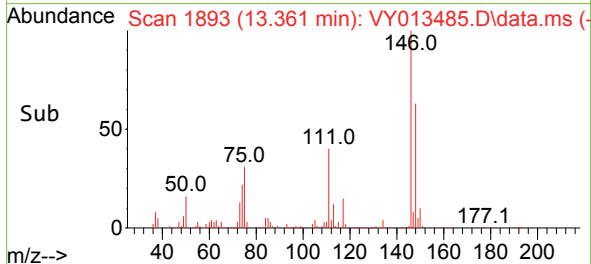
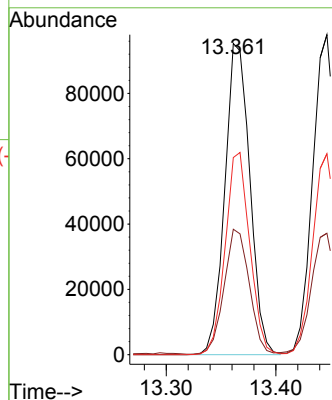
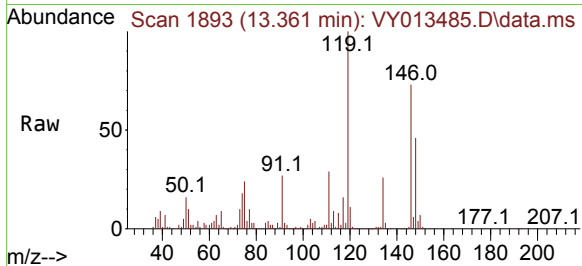




#87
1,3-Dichlorobenzene
Concen: 52.606 ug/l
RT: 13.361 min Scan# 1894
Delta R.T. -0.006 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

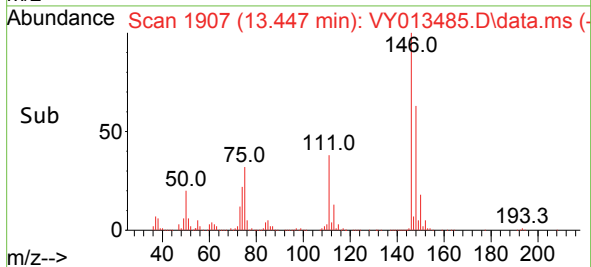
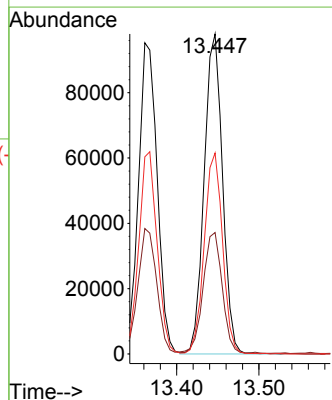
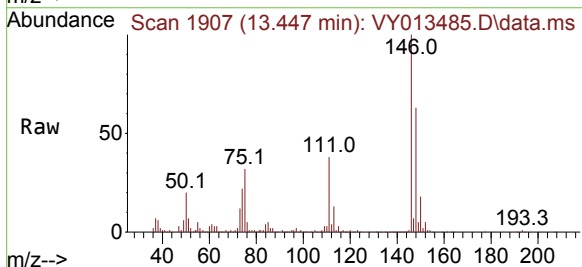
Instrument :
MSVOA_Y
ClientSampleId :
20230318-31-4MS

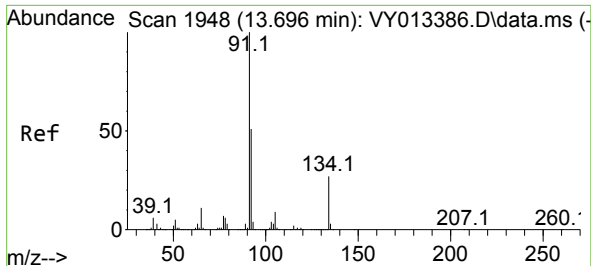
Tgt Ion:146 Resp: 151191
Ion Ratio Lower Upper
146 100
111 40.3 19.3 57.9
148 63.8 31.9 95.7



#88
1,4-Dichlorobenzene
Concen: 52.364 ug/l
RT: 13.447 min Scan# 1907
Delta R.T. 0.001 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

Tgt Ion:146 Resp: 152022
Ion Ratio Lower Upper
146 100
111 39.1 18.9 56.5
148 62.6 31.9 95.5

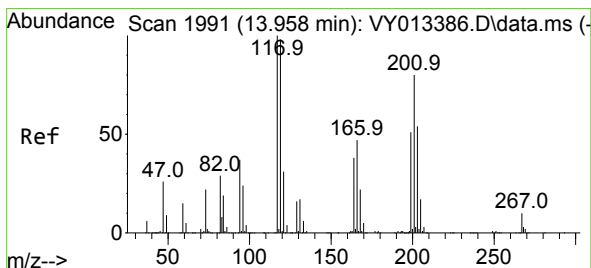
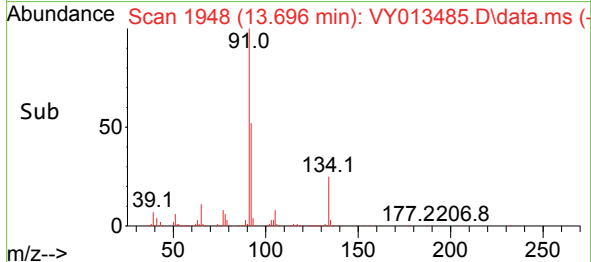
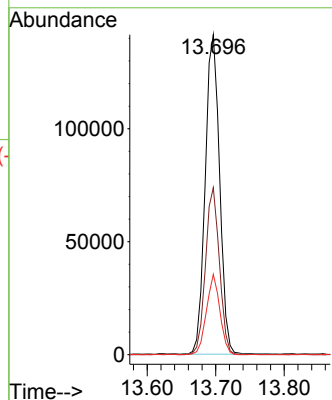
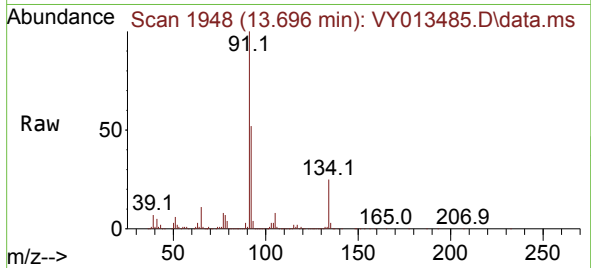




#89
n-Butylbenzene
Concen: 39.916 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

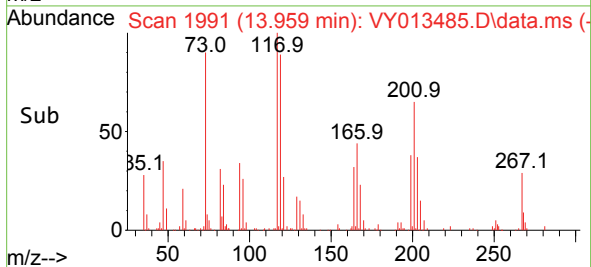
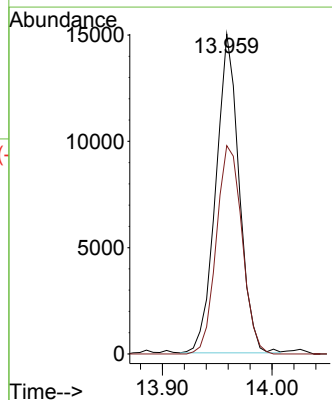
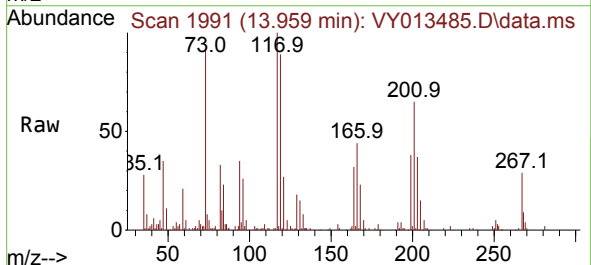
Instrument :
MSVOA_Y
ClientSampleId :
20230318-31-4MS

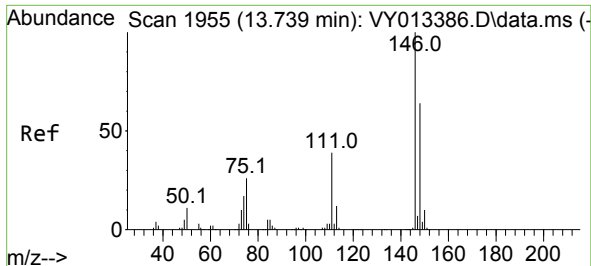
Tgt Ion: 91 Resp: 207000
Ion Ratio Lower Upper
91 100
92 50.5 25.8 77.3
134 23.6 13.5 40.4



#90
Hexachloroethane
Concen: 19.813 ug/l
RT: 13.959 min Scan# 1991
Delta R.T. 0.001 min
Lab File: VY013485.D
Acq: 26 Apr 2023 19:45

Tgt Ion: 117 Resp: 22156
Ion Ratio Lower Upper
117 100
201 72.2 41.6 124.8





#91

1,2-Dichlorobenzene

Concen: 52.905 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. 0.000 min

Lab File: VY013485.D

Acq: 26 Apr 2023 19:45

Instrument :

MSVOA_Y

ClientSampleId :

20230318-31-4MS

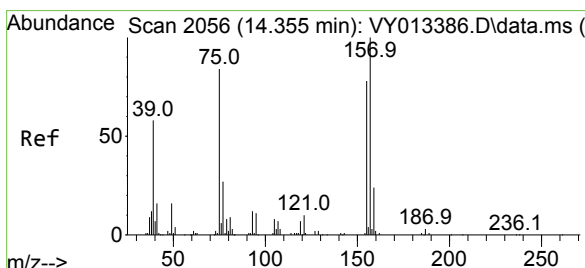
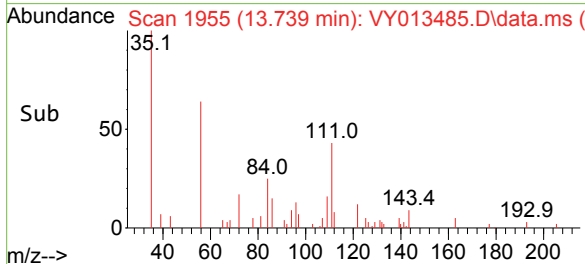
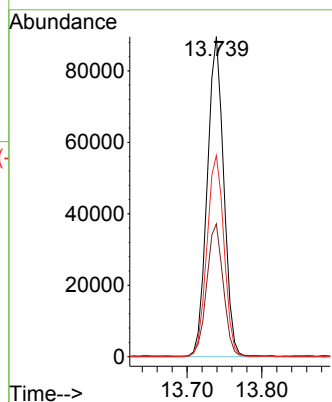
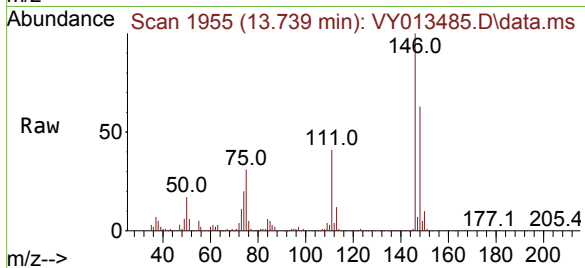
Tgt Ion:146 Resp: 137304

Ion Ratio Lower Upper

146 100

111 41.4 19.8 59.4

148 65.0 31.8 95.4



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.100 ug/l

RT: 14.355 min Scan# 2056

Delta R.T. -0.000 min

Lab File: VY013485.D

Acq: 26 Apr 2023 19:45

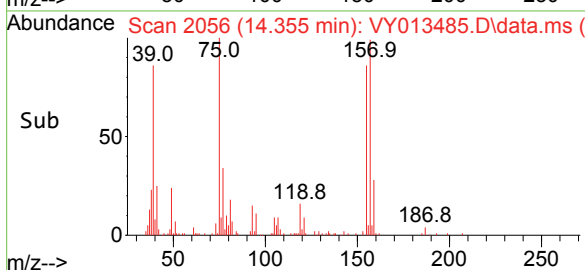
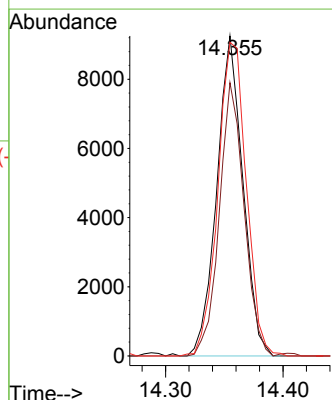
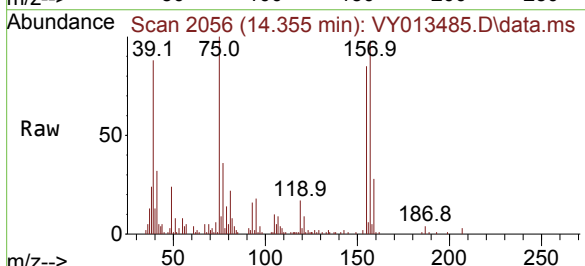
Tgt Ion: 75 Resp: 14271

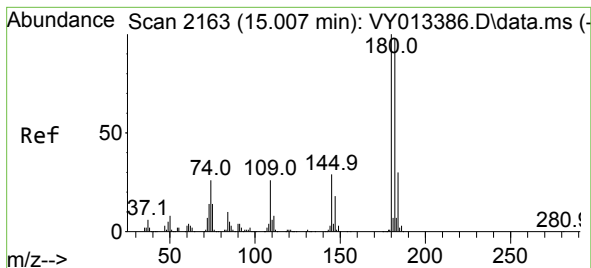
Ion Ratio Lower Upper

75 100

155 81.1 44.6 134.0

157 106.7 57.6 172.7





#93

1,2,4-Trichlorobenzene

Concen: 28.278 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY013485.D

Acq: 26 Apr 2023 19:45

Instrument :

MSVOA_Y

ClientSampleId :

20230318-31-4MS

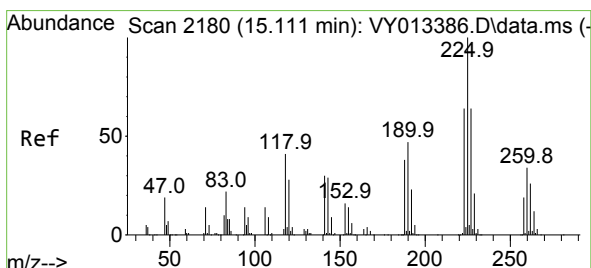
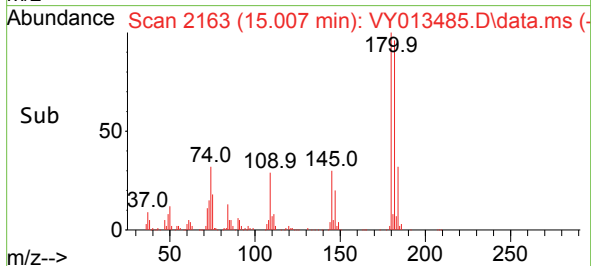
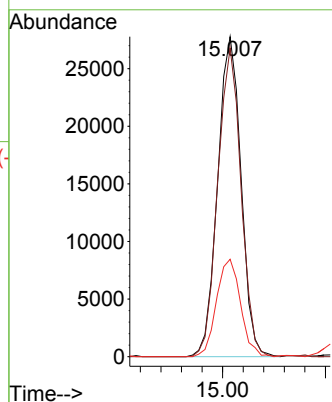
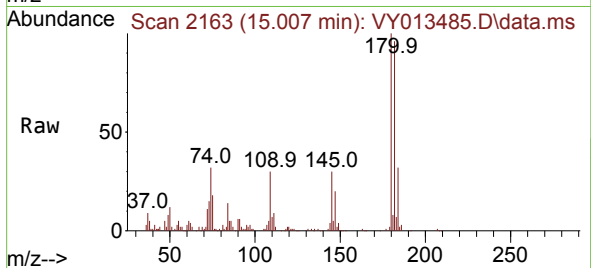
Tgt Ion:180 Resp: 43756

Ion Ratio Lower Upper

180 100

182 96.0 48.5 145.5

145 31.3 15.0 45.0



#94

Hexachlorobutadiene

Concen: 15.756 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. -0.000 min

Lab File: VY013485.D

Acq: 26 Apr 2023 19:45

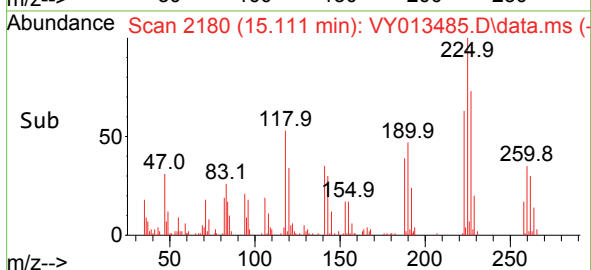
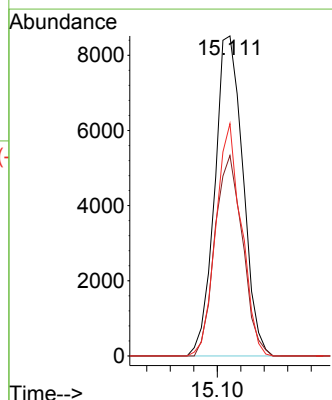
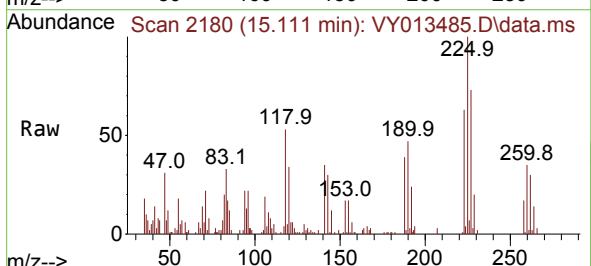
Tgt Ion:225 Resp: 14189

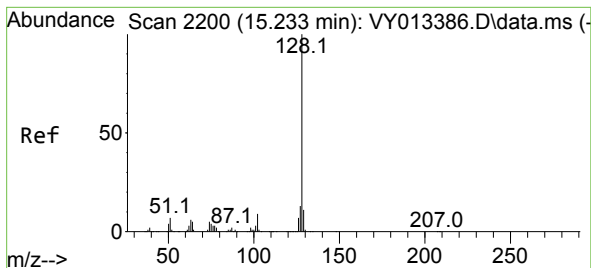
Ion Ratio Lower Upper

225 100

223 61.6 31.4 94.2

227 66.1 32.0 96.0





#95

Naphthalene

Concen: 36.935 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY013485.D

Acq: 26 Apr 2023 19:45

Instrument :

MSVOA_Y

ClientSampleId :

20230318-31-4MS

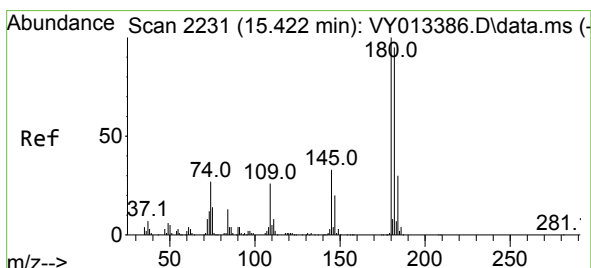
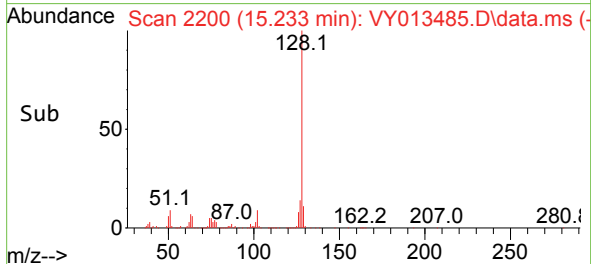
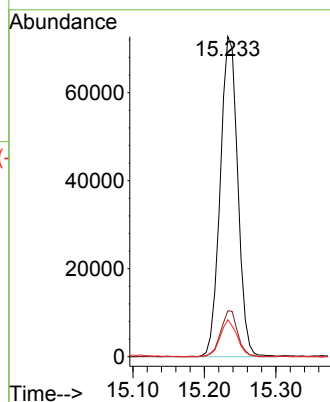
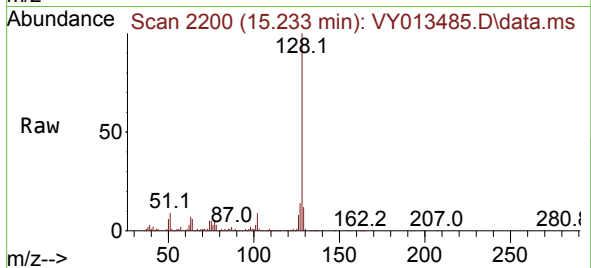
Tgt Ion:128 Resp: 124001

Ion Ratio Lower Upper

128 100

127 13.9 10.7 16.1

129 11.1 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 26.699 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. -0.000 min

Lab File: VY013485.D

Acq: 26 Apr 2023 19:45

Tgt Ion:180 Resp: 36821

Ion Ratio Lower Upper

180 100

182 90.0 47.1 141.3

145 32.0 15.9 47.7

