

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
 Data File : VY016144.D
 Acq On : 31 Oct 2023 13:12
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 01 03:16:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:01:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	180987	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	287034	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	249953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	116324	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	34131	20.153	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	40.300%#
35) Dibromofluoromethane	7.728	113	34794	20.333	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	40.660%#
50) Toluene-d8	10.191	98	133672	19.702	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	39.400%#
62) 4-Bromofluorobenzene	12.489	95	46006	19.830	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	39.660%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	22029	19.081	ug/l	97
3) Chloromethane	2.119	50	32053	20.053	ug/l	98
4) Vinyl Chloride	2.253	62	31826	19.291	ug/l	95
5) Bromomethane	2.656	94	21642	19.438	ug/l	96
6) Chloroethane	2.796	64	23310	20.069	ug/l	99
7) Trichlorofluoromethane	3.137	101	48565	19.499	ug/l	99
8) Diethyl Ether	3.540	74	16908	20.482	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.911	101	31112	19.828	ug/l	96
10) Methyl Iodide	4.107	142	34292	19.654	ug/l	96
11) Tert butyl alcohol	4.966	59	13174	104.114	ug/l #	84
12) 1,1-Dichloroethene	3.881	96	28387	19.822	ug/l	88
13) Acrolein	3.741	56	13680	113.065	ug/l	98
14) Allyl chloride	4.497	41	40834	19.934	ug/l #	95
15) Acrylonitrile	5.180	53	35511	100.672	ug/l	99
16) Acetone	3.954	43	30469	101.361	ug/l	98
17) Carbon Disulfide	4.204	76	69374	19.403	ug/l	99
18) Methyl Acetate	4.485	43	27722	20.355	ug/l	93
19) Methyl tert-butyl Ether	5.234	73	82475	20.246	ug/l	99
20) Methylene Chloride	4.734	84	36998	19.629	ug/l	89
21) trans-1,2-Dichloroethene	5.234	96	33714	20.210	ug/l	89
22) Diisopropyl ether	6.137	45	99862	20.155	ug/l	87
23) Vinyl Acetate	6.076	43	244067	100.330	ug/l #	93
24) 1,1-Dichloroethane	6.027	63	59850	20.184	ug/l	96
25) 2-Butanone	6.996	43	46351	99.203	ug/l	93
26) 2,2-Dichloropropane	6.996	77	56073	20.004	ug/l	97
27) cis-1,2-Dichloroethene	6.996	96	39382	20.061	ug/l	93
28) Bromochloromethane	7.350	49	21480	19.358	ug/l	89
29) Tetrahydrofuran	7.362	42	29723	101.482	ug/l	91
30) Chloroform	7.521	83	65741	20.364	ug/l	96
31) Cyclohexane	7.801	56	49266	18.924	ug/l #	80
32) 1,1,1-Trichloroethane	7.716	97	59555	20.115	ug/l	98
36) 1,1-Dichloropropene	7.929	75	49358	19.975	ug/l	99
37) Ethyl Acetate	7.088	43	21295	19.349	ug/l #	92
38) Carbon Tetrachloride	7.911	117	47955	19.589	ug/l	98
39) Methylcyclohexane	9.197	83	57388	19.457	ug/l	95
40) Benzene	8.173	78	140773	19.844	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	10649	16.670	ug/l	96
42) 1,2-Dichloroethane	8.246	62	40007	20.209	ug/l	96
43) Isopropyl Acetate	8.283	43	43882	20.157	ug/l	93
44) Trichloroethene	8.953	130	41320	19.904	ug/l	95
45) 1,2-Dichloropropane	9.228	63	34091	19.977	ug/l	96
46) Dibromomethane	9.319	93	19185	19.818	ug/l	99
47) Bromodichloromethane	9.508	83	49766	20.233	ug/l	99
48) Methyl methacrylate	9.301	41	19937	20.140	ug/l	90
49) 1,4-Dioxane	9.313	88	5652	399.114	ug/l #	75
51) 4-Methyl-2-Pentanone	10.081	43	109849	101.127	ug/l	92
52) Toluene	10.252	92	91846	19.980	ug/l	94
53) t-1,3-Dichloropropene	10.477	75	48627	19.804	ug/l	100
54) cis-1,3-Dichloropropene	9.941	75	57710	20.030	ug/l	89
55) 1,1,2-Trichloroethane	10.654	97	27039	19.856	ug/l	96
56) Ethyl methacrylate	10.520	69	35286	19.953	ug/l #	84
57) 1,3-Dichloropropane	10.800	76	46913	20.237	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.795	63	88076	102.707	ug/l	92
59) 2-Hexanone	10.843	43	74594	100.212	ug/l	92
60) Dibromochloromethane	10.996	129	34259	20.054	ug/l	98
61) 1,2-Dibromoethane	11.099	107	26199	20.227	ug/l	98
64) Tetrachloroethene	10.733	164	44595	20.058	ug/l	97
65) Chlorobenzene	11.526	112	99410	20.018	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	36767	19.989	ug/l	99
67) Ethyl Benzene	11.605	91	178369	20.082	ug/l	97
68) m/p-Xylenes	11.715	106	138144	40.249	ug/l	93
69) o-Xylene	12.038	106	64899	19.804	ug/l	97
70) Styrene	12.056	104	109259	20.056	ug/l	96
71) Bromoform	12.221	173	20064	19.663	ug/l #	99
73) Isopropylbenzene	12.337	105	175735	20.140	ug/l	99
74) N-amyl acetate	12.154	43	38021	20.052	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.593	83	27870	20.072	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	38962	31.740	ug/l #	100
77) Bromobenzene	12.617	156	39194	19.837	ug/l	95
78) n-propylbenzene	12.678	91	207460	20.110	ug/l	98
79) 2-Chlorotoluene	12.770	91	117191	20.368	ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	143452	20.292	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	9767	19.332	ug/l	97
82) 4-Chlorotoluene	12.867	91	119295	20.191	ug/l	99
83) tert-Butylbenzene	13.087	119	128241	20.274	ug/l	97
84) 1,2,4-Trimethylbenzene	13.129	105	141324	20.203	ug/l	99
85) sec-Butylbenzene	13.263	105	188074	20.258	ug/l	98
86) p-Isopropyltoluene	13.379	119	156198	20.300	ug/l	98
87) 1,3-Dichlorobenzene	13.379	146	78029	19.969	ug/l	98
88) 1,4-Dichlorobenzene	13.459	146	77935	20.179	ug/l	98
89) n-Butylbenzene	13.702	91	143668	20.321	ug/l	96
90) Hexachloroethane	13.971	117	26308	19.841	ug/l	93
91) 1,2-Dichlorobenzene	13.751	146	67654	20.039	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	4782	19.244	ug/l	90
93) 1,2,4-Trichlorobenzene	15.019	180	42354	20.325	ug/l	99
94) Hexachlorobutadiene	15.117	225	23979	21.058	ug/l	95
95) Naphthalene	15.245	128	79385	19.610	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	36519	20.515	ug/l	99

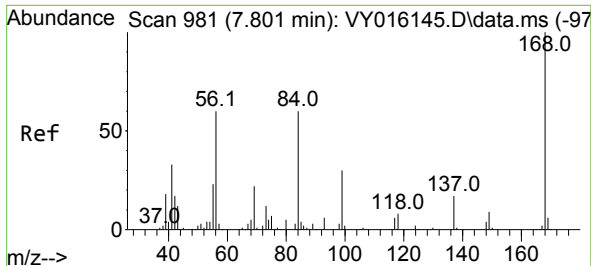
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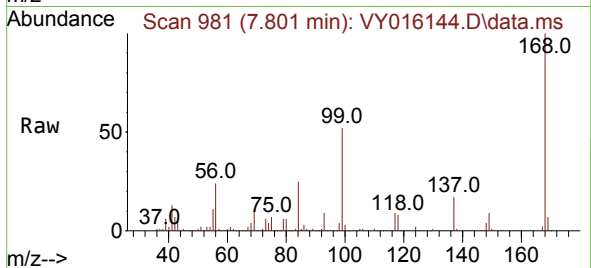
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

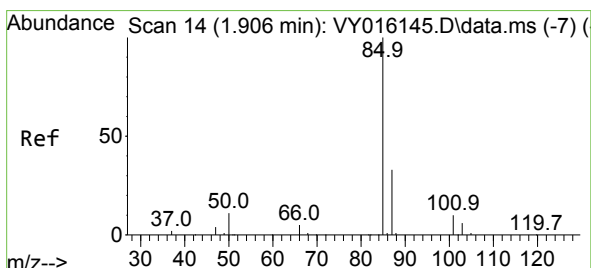
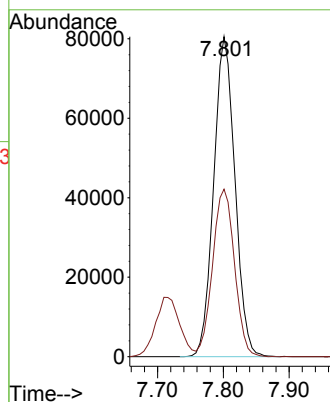
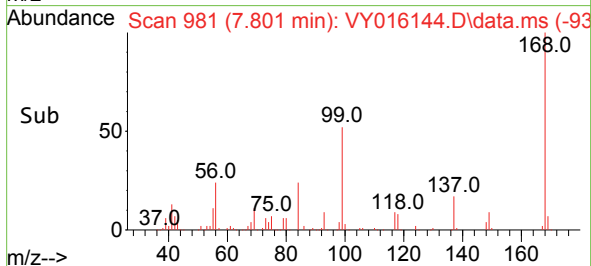


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

Instrument :
MSVOA_Y
ClientSampleId :

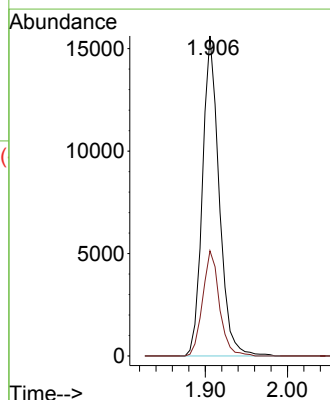
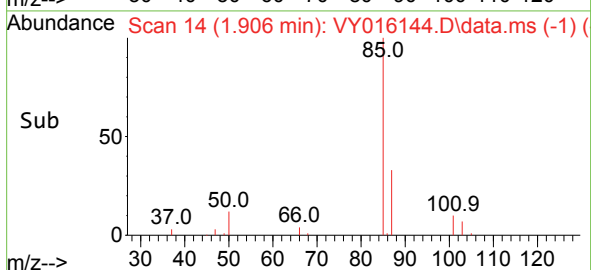
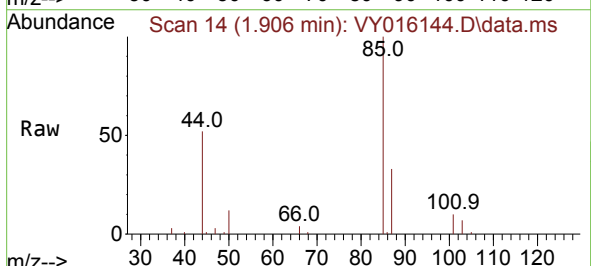


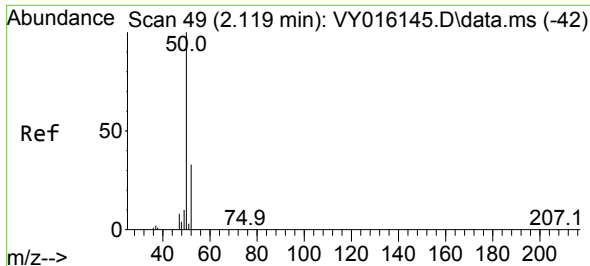
Tgt Ion:168 Resp: 180987
Ion Ratio Lower Upper
168 100
99 52.3 43.4 65.0



#2
Dichlorodifluoromethane
Concen: 19.081 ug/l
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

Tgt Ion: 85 Resp: 22029
Ion Ratio Lower Upper
85 100
87 32.9 15.6 46.8

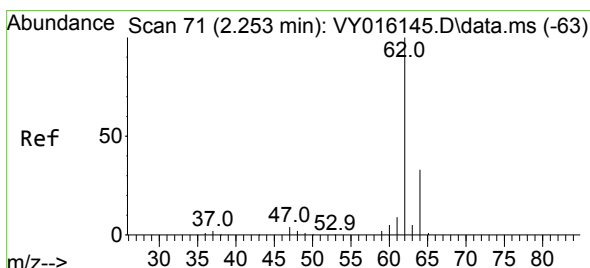
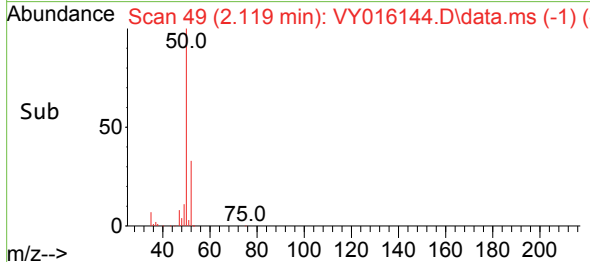
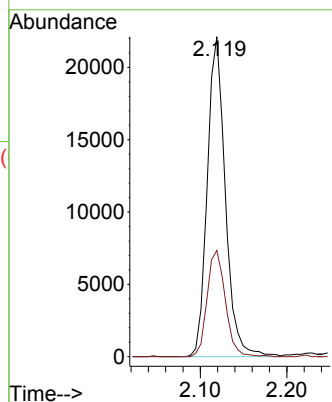
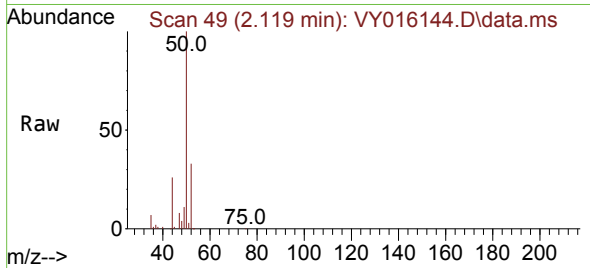




#3
Chloromethane
Concen: 20.053 ug/l
RT: 2.119 min Scan# 49
Delta R.T. -0.000 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

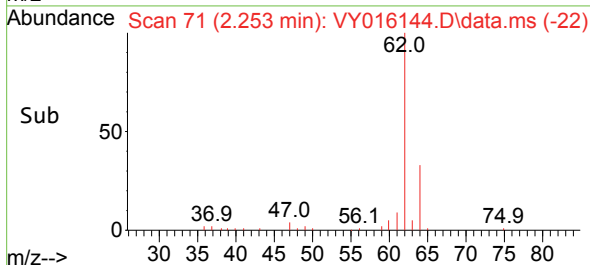
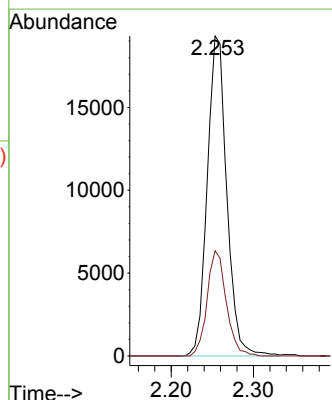
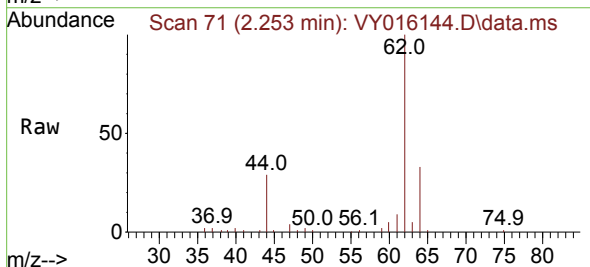
Instrument :
MSVOA_Y
ClientSampleId :

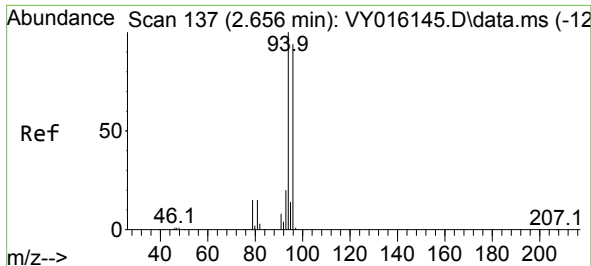
Tgt Ion: 50 Resp: 32053
Ion Ratio Lower Upper
50 100
52 33.2 25.4 38.2



#4
Vinyl Chloride
Concen: 19.291 ug/l
RT: 2.253 min Scan# 71
Delta R.T. -0.000 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

Tgt Ion: 62 Resp: 31826
Ion Ratio Lower Upper
62 100
64 32.9 24.3 36.5





#5

Bromomethane

Concen: 19.438 ug/l

RT: 2.656 min Scan# 11

Delta R.T. -0.000 min

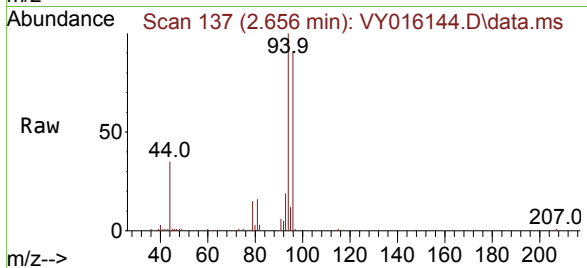
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Acq: 31 Oct 2023 13:12

Instrument :

MSVOA_Y

ClientSampleId :

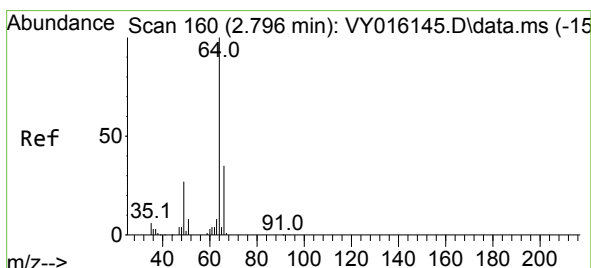
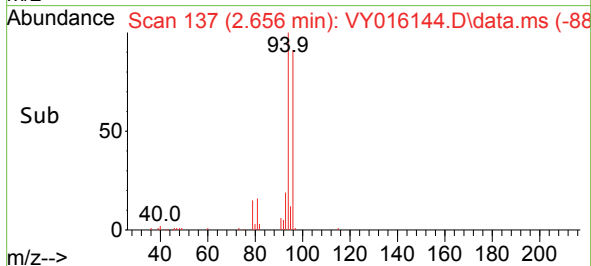
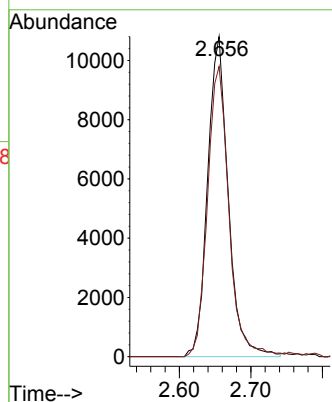


Tgt Ion: 94 Resp: 21642

Ion Ratio Lower Upper

94 100

96 90.7 75.8 113.6



#6

Chloroethane

Concen: 20.069 ug/l

RT: 2.796 min Scan# 160

Delta R.T. -0.000 min

Lab File: VY016144.D

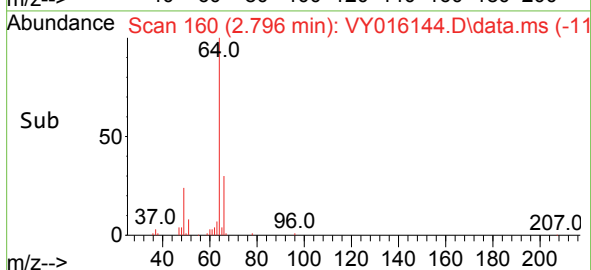
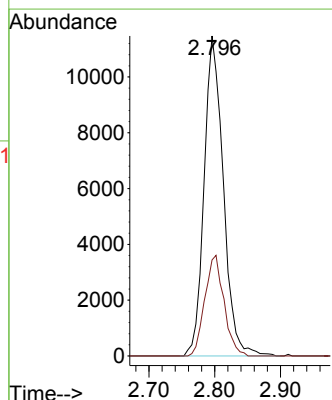
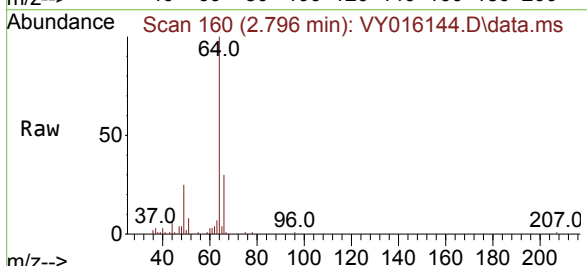
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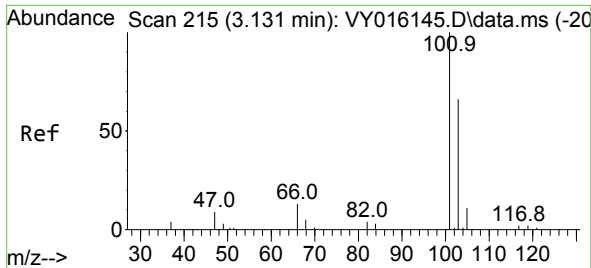
Tgt Ion: 64 Resp: 23310

Ion Ratio Lower Upper

64 100

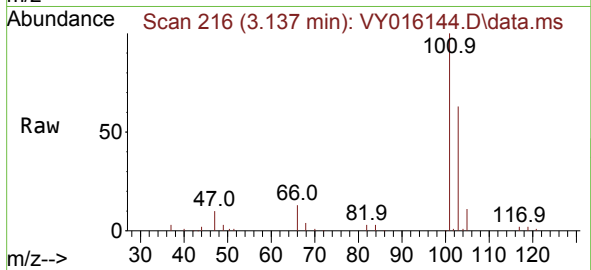
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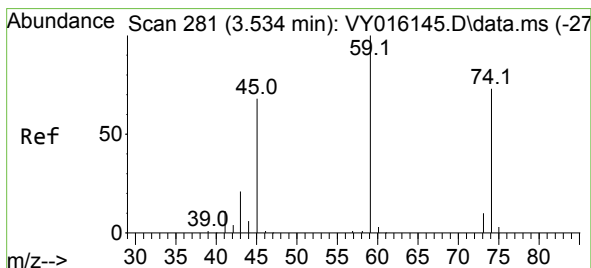
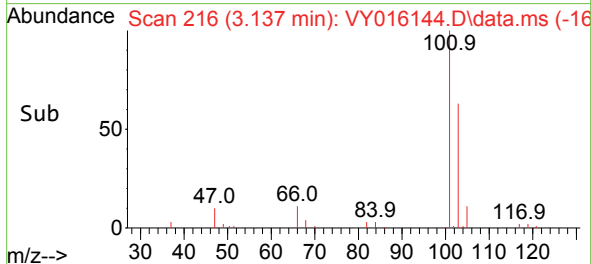
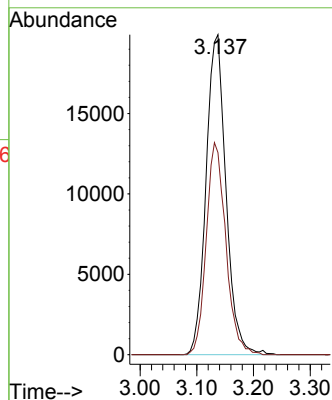


#7
 Trichlorofluoromethane
 Concen: 19.499 ug/l
 RT: 3.137 min Scan# 215
 Delta R.T. 0.006 min
 Lab File: VY016144.D
 Acq: 31 Oct 2023 13:12

Instrument :
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 ClientSampleId :

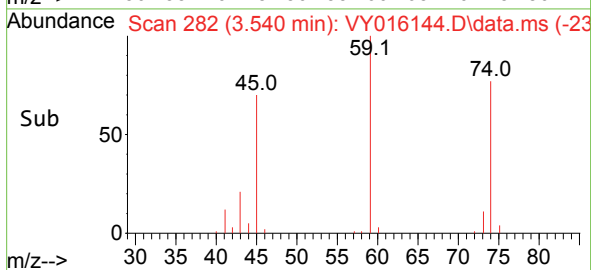
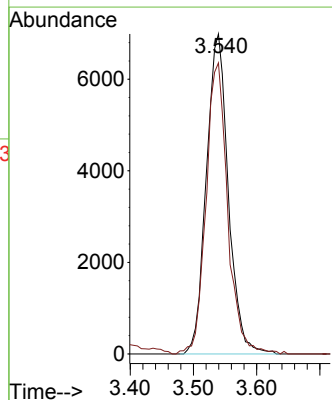
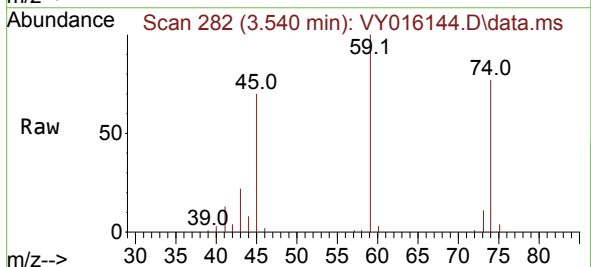


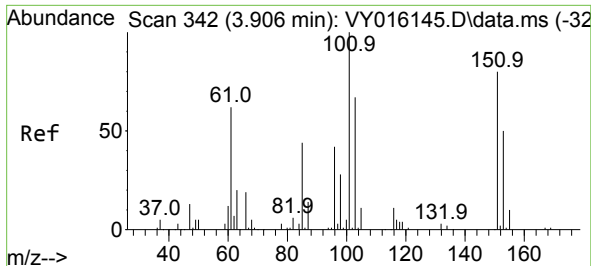
Tgt Ion:101 Resp: 48565
 Ion Ratio Lower Upper
 101 100
 103 63.2 51.4 77.0



#8
 Diethyl Ether
 Concen: 20.482 ug/l
 RT: 3.540 min Scan# 282
 Delta R.T. 0.006 min
 Lab File: VY016144.D
 Acq: 31 Oct 2023 13:12

Tgt Ion: 74 Resp: 16908
 Ion Ratio Lower Upper
 74 100
 45 89.6 51.5 154.5

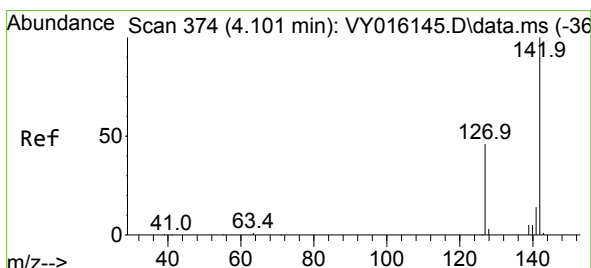
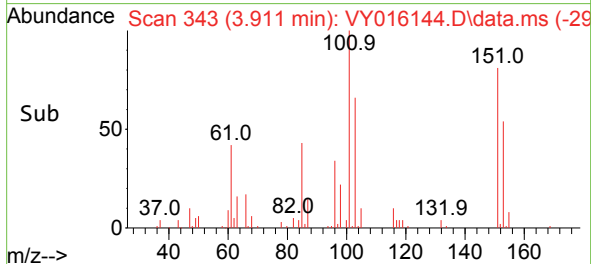
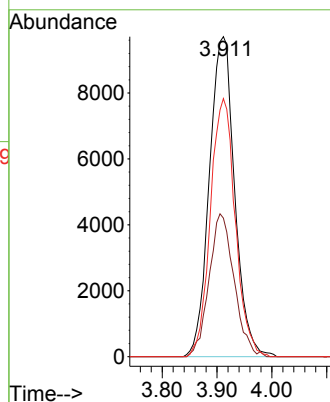
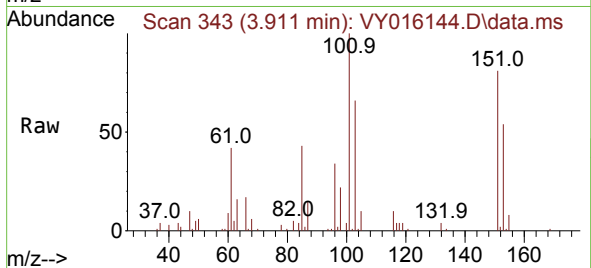




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.828 ug/l
RT: 3.911 min Scan# 341
Delta R.T. 0.006 min
Lab File: VY016144.D
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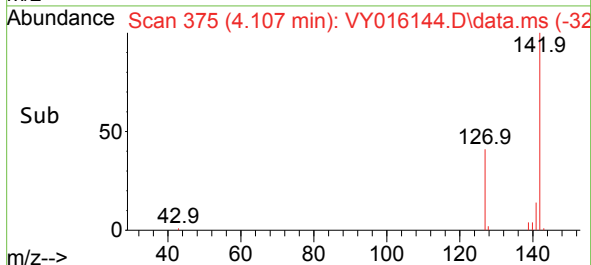
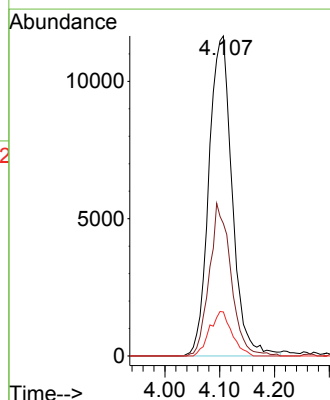
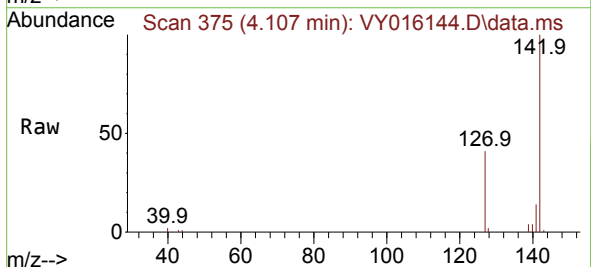
Instrument :
MSVOA_Y
ClientSampleId :

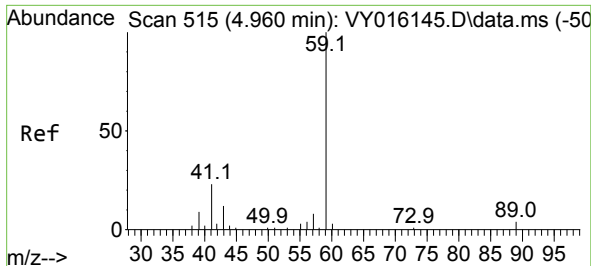
Tgt Ion:101 Resp: 31112
Ion Ratio Lower Upper
101 100
85 44.1 36.6 55.0
151 79.1 67.0 100.6



#10
Methyl Iodide
Concen: 19.654 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

Tgt Ion:142 Resp: 34292
Ion Ratio Lower Upper
142 100
127 44.5 37.6 56.4
141 13.3 11.8 17.8

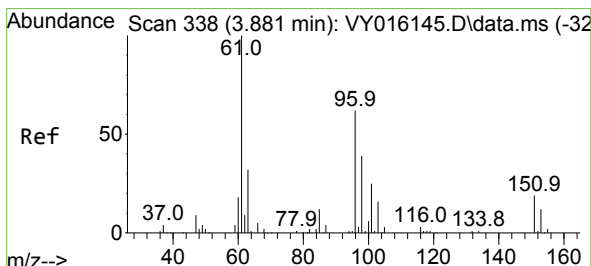
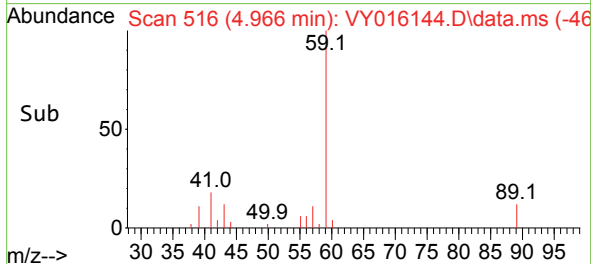
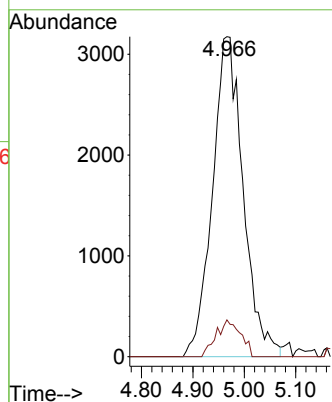
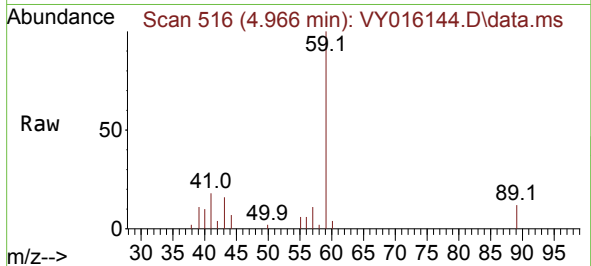




#11
Tert butyl alcohol
Concen: 104.114 ug/l
RT: 4.966 min Scan# 515
Delta R.T. 0.006 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

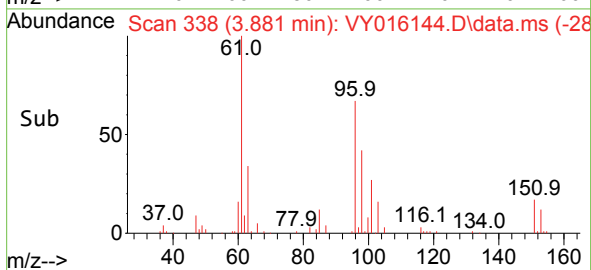
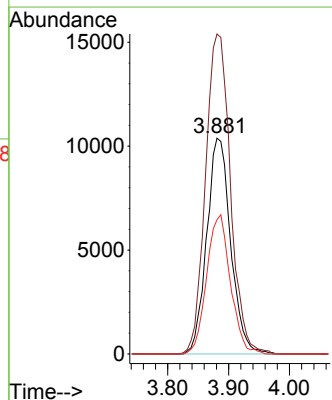
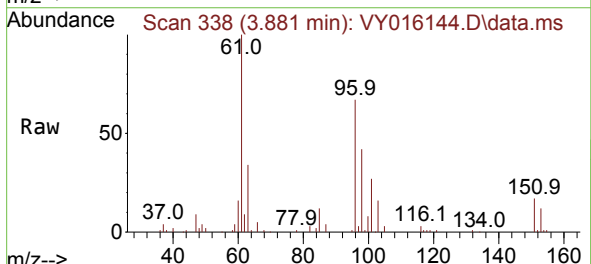
Instrument :
MSVOA_Y
ClientSampleId :

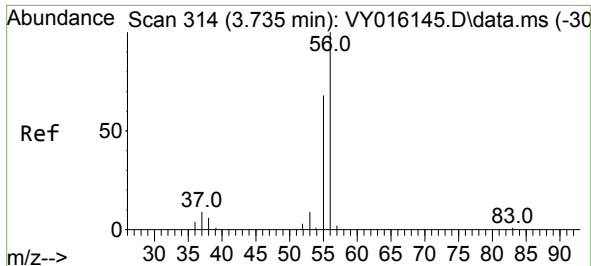
Tgt Ion: 59 Resp: 13174
Ion Ratio Lower Upper
59 100
57 9.1 3.0 4.4#



#12
1,1-Dichloroethene
Concen: 19.822 ug/l
RT: 3.881 min Scan# 338
Delta R.T. -0.000 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

Tgt Ion: 96 Resp: 28387
Ion Ratio Lower Upper
96 100
61 148.2 136.4 204.6
98 62.2 49.4 74.2





#13

Acrolein

Concen: 113.065 ug/l

RT: 3.741 min Scan# 314

Delta R.T. 0.006 min

Lab File: VY016144.D

Acq: 31 Oct 2023 13:12

Instrument :

MSVOA_Y

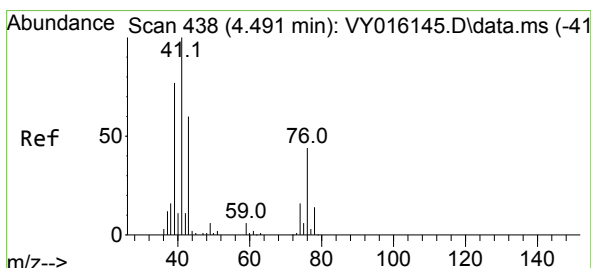
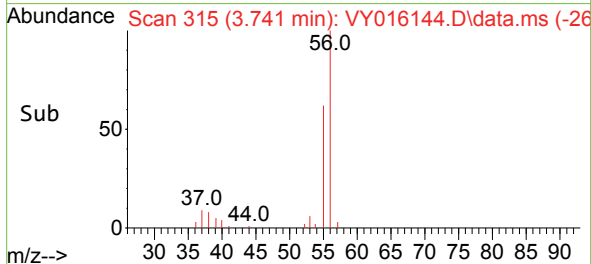
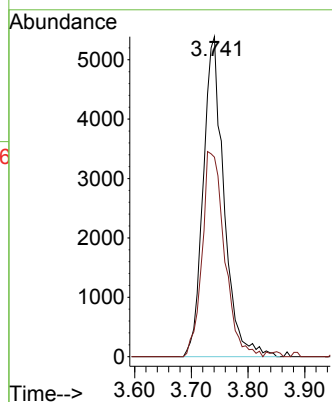
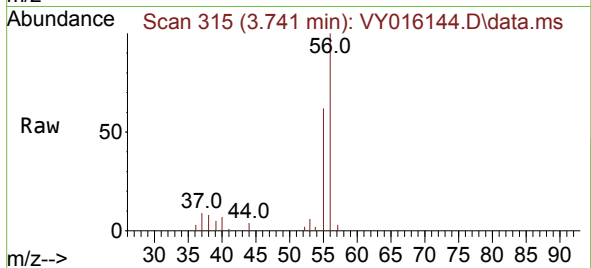
ClientSampleId :

Tgt Ion: 56 Resp: 13680

Ion Ratio Lower Upper

56 100

55 69.5 57.0 85.4



#14

Allyl chloride

Concen: 19.934 ug/l

RT: 4.497 min Scan# 439

Delta R.T. 0.006 min

Lab File: VY016144.D

Acq: 31 Oct 2023 13:12

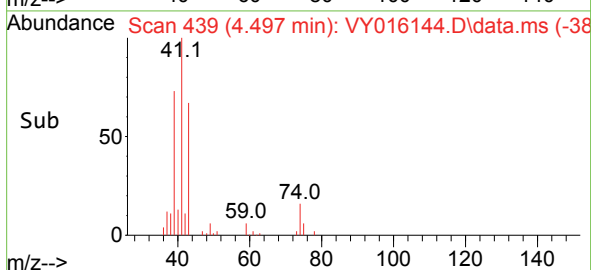
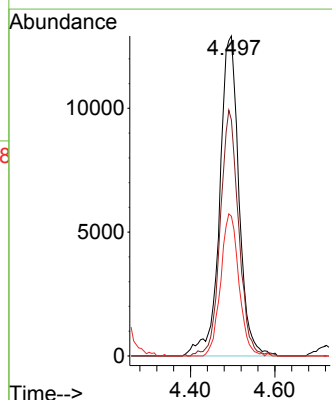
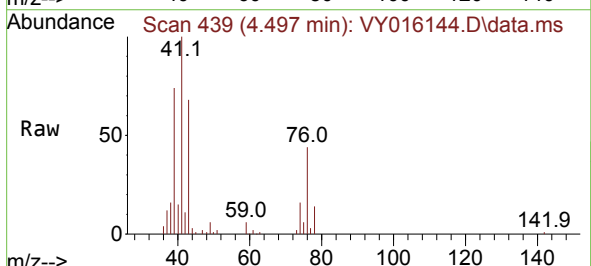
Tgt Ion: 41 Resp: 40834

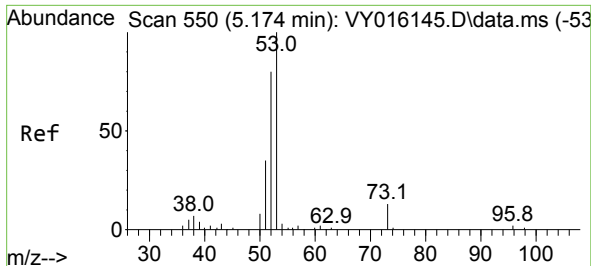
Ion Ratio Lower Upper

41 100

39 73.0 58.0 87.0

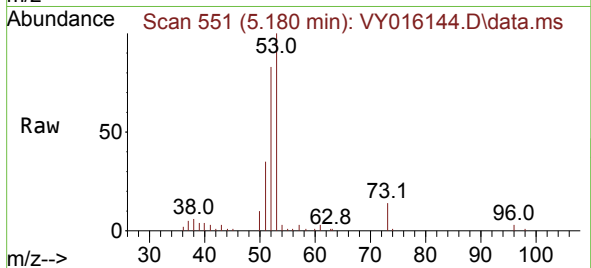
76 41.9 27.4 41.2#



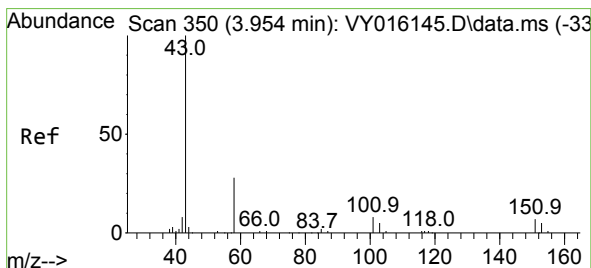
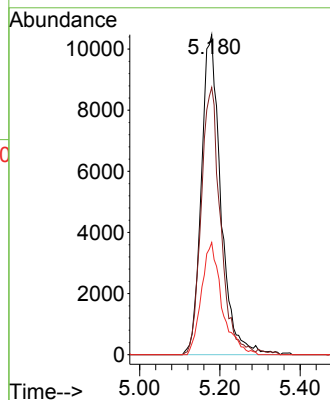
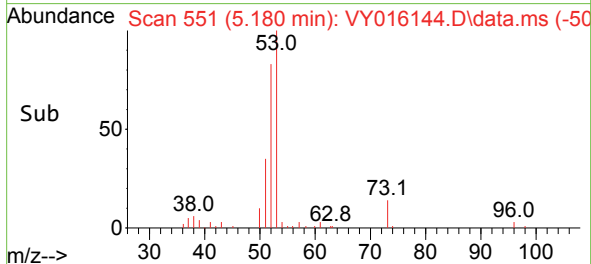


#15
Acrylonitrile
Concen: 100.672 ug/l
RT: 5.180 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

Instrument :
MSVOA_Y
ClientSampleId :

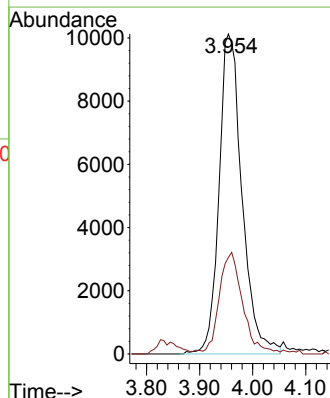
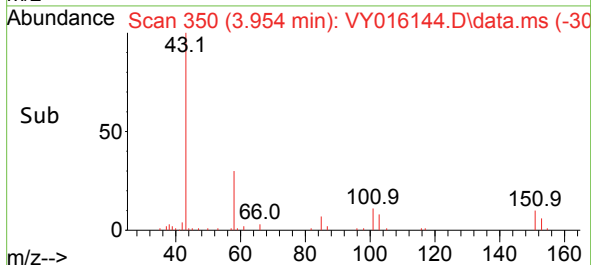
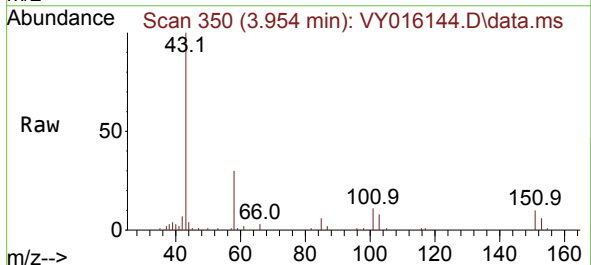


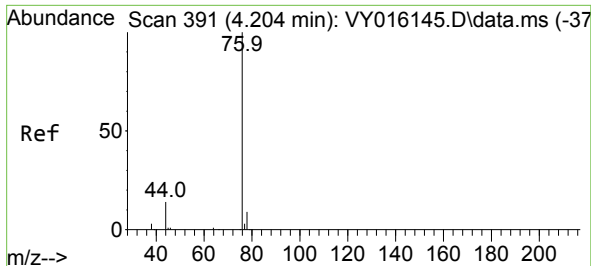
Tgt Ion: 53 Resp: 35511
Ion Ratio Lower Upper
53 100
52 82.5 66.9 100.3
51 36.7 29.8 44.6



#16
Acetone
Concen: 101.361 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

Tgt Ion: 43 Resp: 30469
Ion Ratio Lower Upper
43 100
58 29.5 22.7 34.1

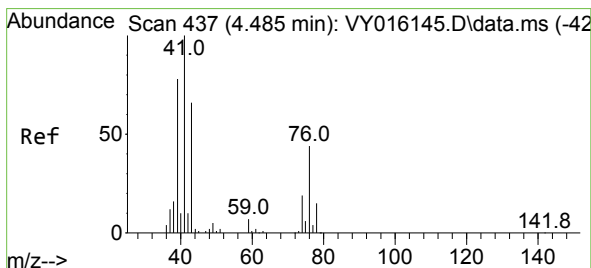
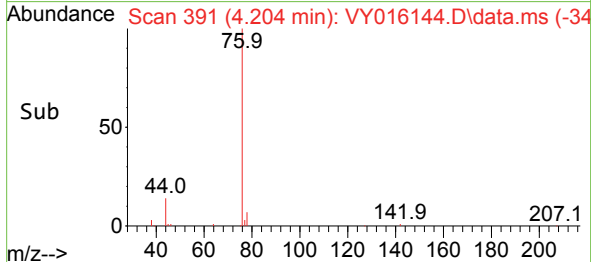
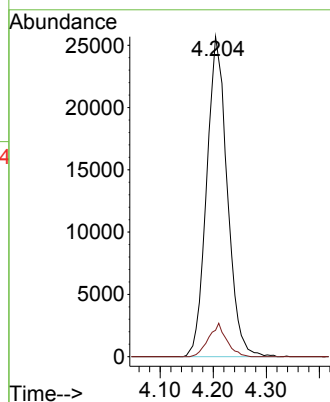
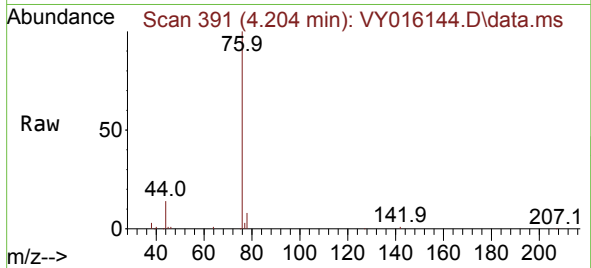




#17
Carbon Disulfide
Concen: 19.403 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

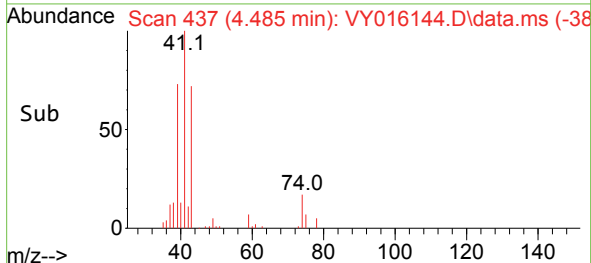
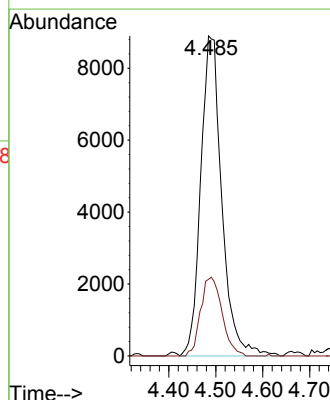
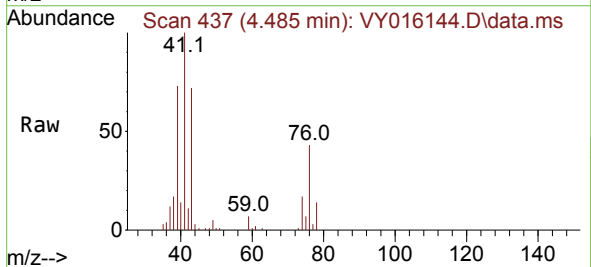
Instrument :
MSVOA_Y
ClientSampleId :

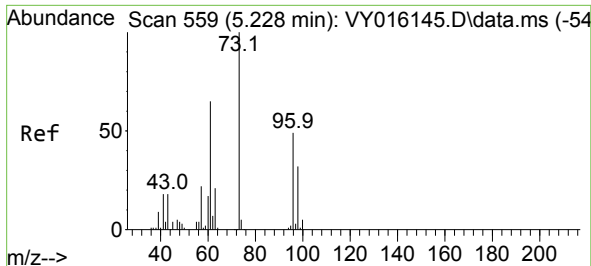
Tgt Ion: 76 Resp: 69374
Ion Ratio Lower Upper
76 100
78 8.3 7.0 10.4



#18
Methyl Acetate
Concen: 20.355 ug/l
RT: 4.485 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

Tgt Ion: 43 Resp: 27722
Ion Ratio Lower Upper
43 100
74 25.0 17.4 26.0





#19

Methyl tert-butyl Ether

Concen: 20.246 ug/l

RT: 5.234 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY016144.D

Acq: 31 Oct 2023 13:12

Instrument :

MSVOA_Y

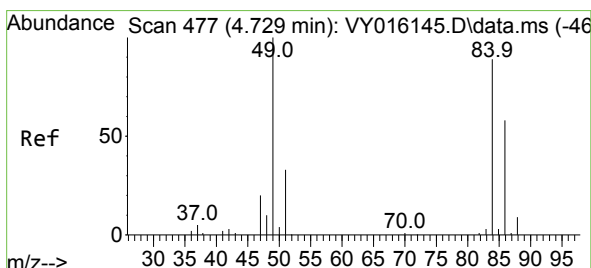
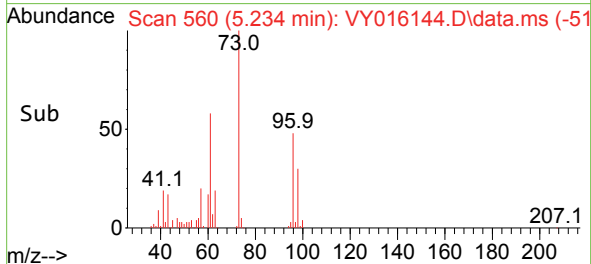
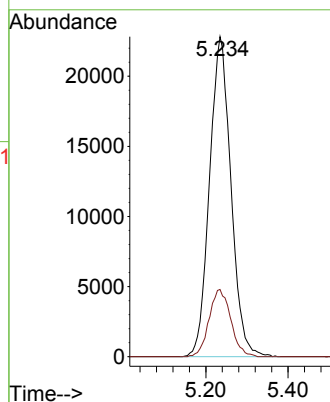
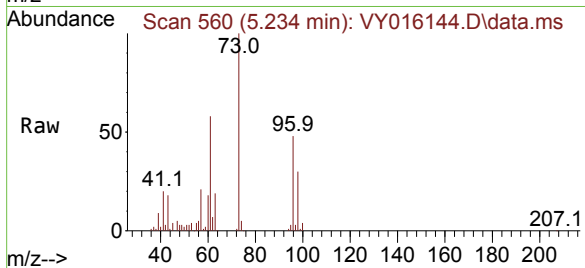
ClientSampleId :

Tgt Ion: 73 Resp: 82475

Ion Ratio Lower Upper

73 100

57 21.0 17.3 25.9



#20

Methylene Chloride

Concen: 19.629 ug/l

RT: 4.734 min Scan# 478

Delta R.T. 0.005 min

Lab File: VY016144.D

Acq: 31 Oct 2023 13:12

Tgt Ion: 84 Resp: 36998

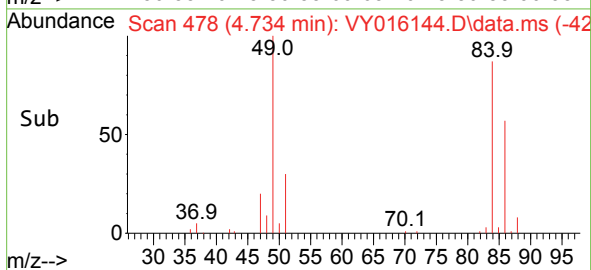
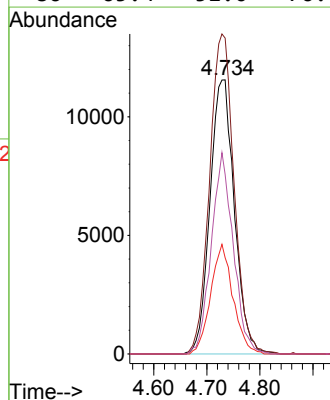
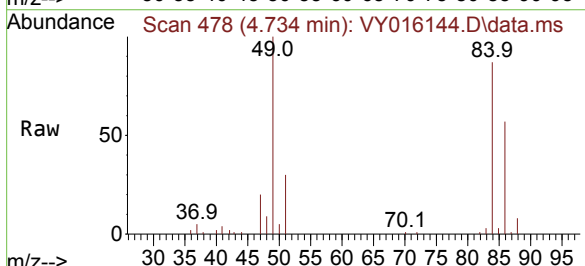
Ion Ratio Lower Upper

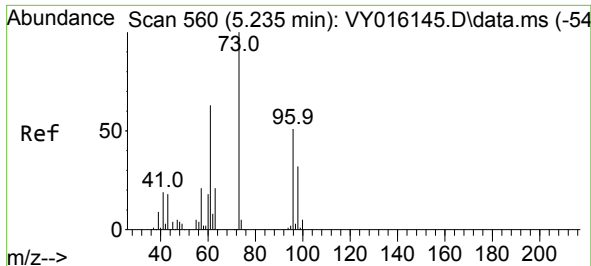
84 100

49 115.2 106.9 160.3

51 35.1 33.2 49.8

86 65.4 51.0 76.6

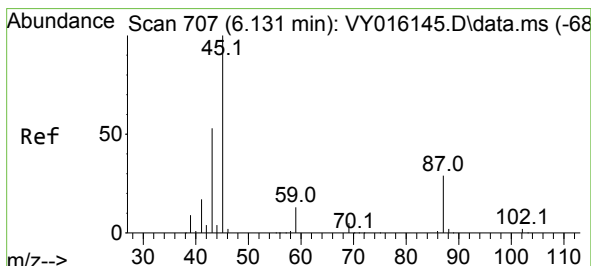
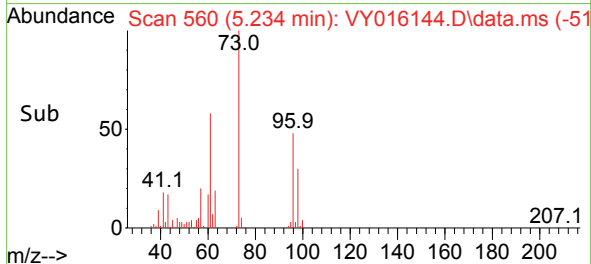
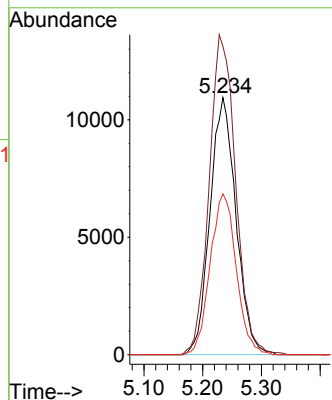
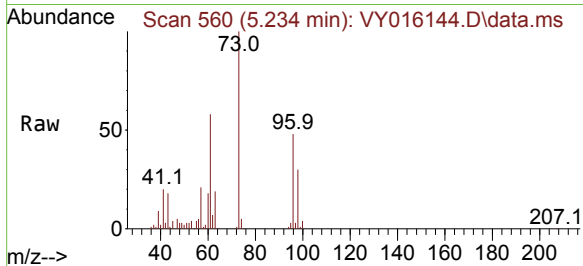




#21
trans-1,2-Dichloroethene
Concen: 20.210 ug/l
RT: 5.234 min Scan# 501
Delta R.T. -0.000 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

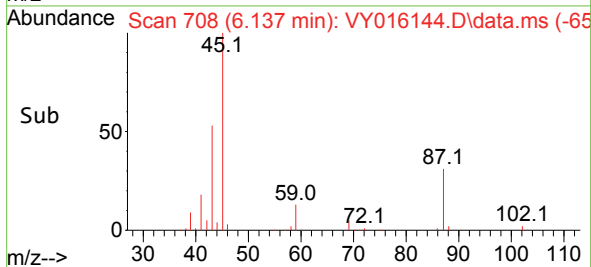
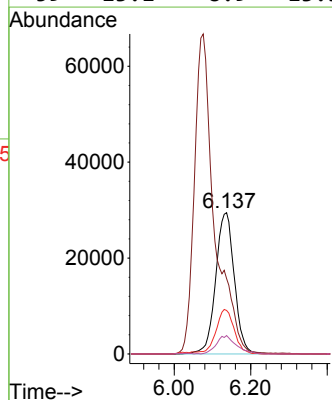
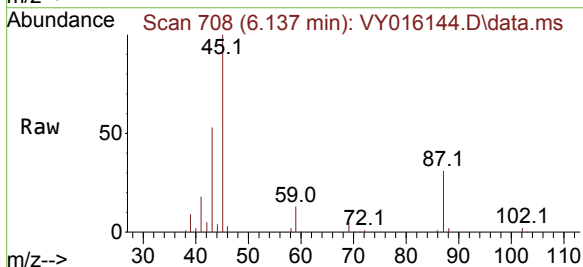
Instrument :
MSVOA_Y
ClientSampleId :

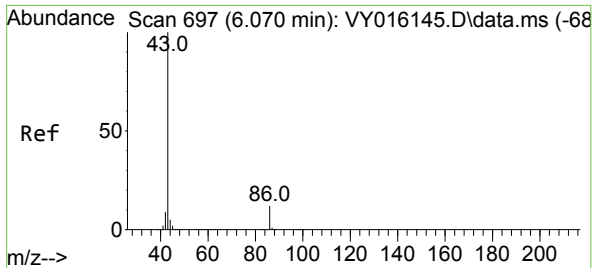
Tgt Ion: 96 Resp: 33714
Ion Ratio Lower Upper
96 100
61 119.9 110.2 165.4
98 62.5 51.8 77.6



#22
Diisopropyl ether
Concen: 20.155 ug/l
RT: 6.137 min Scan# 708
Delta R.T. 0.006 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

Tgt Ion: 45 Resp: 99862
Ion Ratio Lower Upper
45 100
43 52.7 52.2 78.4
87 30.8 21.0 31.6
59 13.1 8.9 13.3

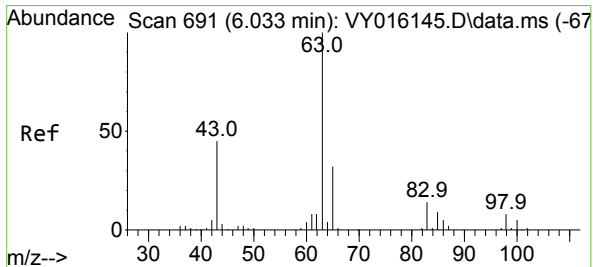
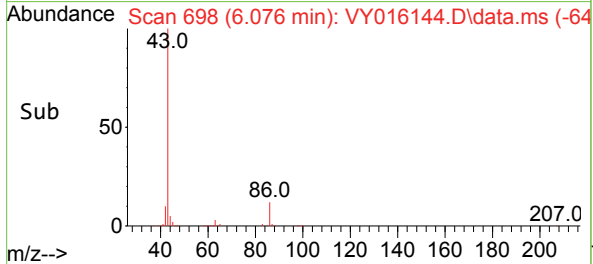
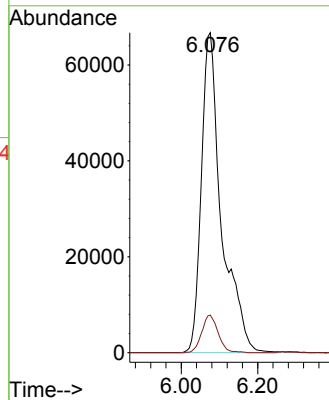
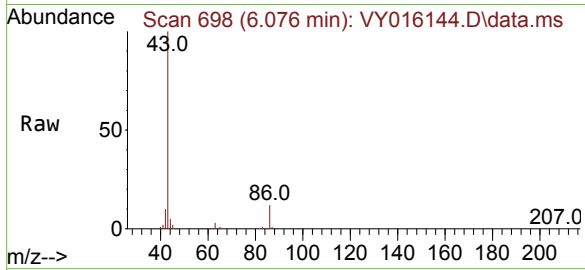




#23
 Vinyl Acetate
 Concen: 100.330 ug/l
 RT: 6.076 min Scan# 697
 Delta R.T. 0.006 min
 Lab File: VY016144.D
 Acq: 31 Oct 2023 13:12

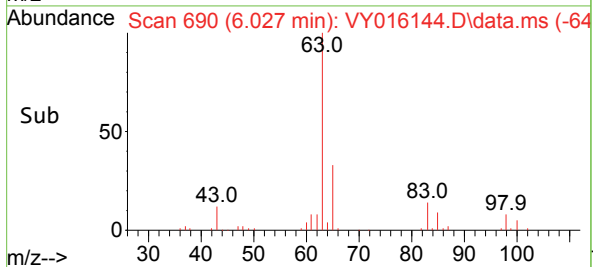
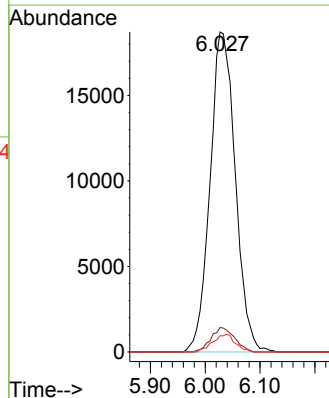
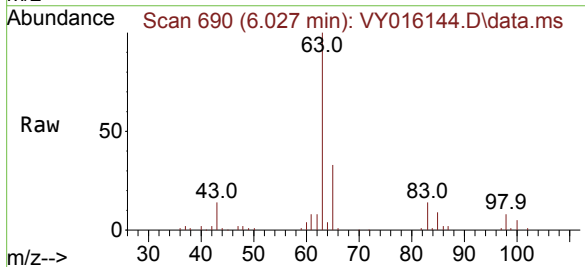
Instrument :
 MSVOA_Y
 ClientSampleId :

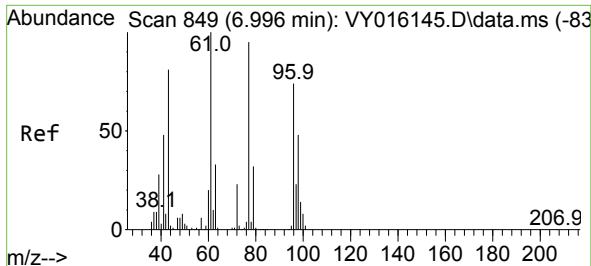
Tgt Ion: 43 Resp: 244067
 Ion Ratio Lower Upper
 43 100
 86 11.8 7.5 11.3#



#24
 1,1-Dichloroethane
 Concen: 20.184 ug/l
 RT: 6.027 min Scan# 690
 Delta R.T. -0.006 min
 Lab File: VY016144.D
 Acq: 31 Oct 2023 13:12

Tgt Ion: 63 Resp: 59850
 Ion Ratio Lower Upper
 63 100
 98 7.7 3.1 9.4
 100 5.1 1.8 5.5

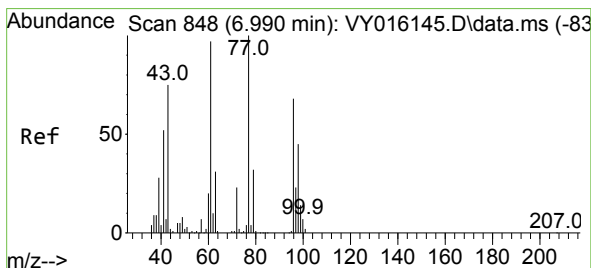
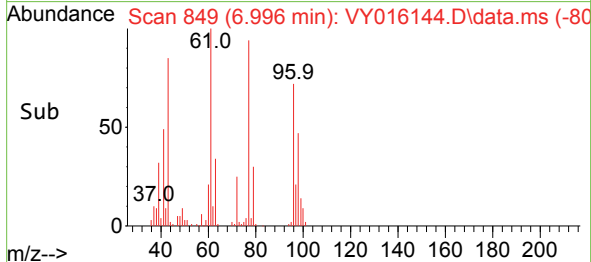
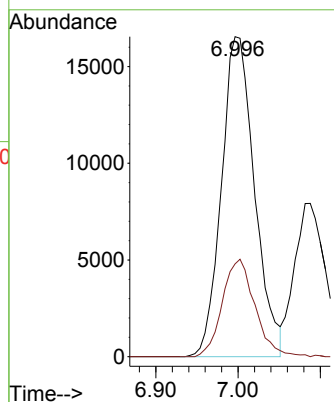
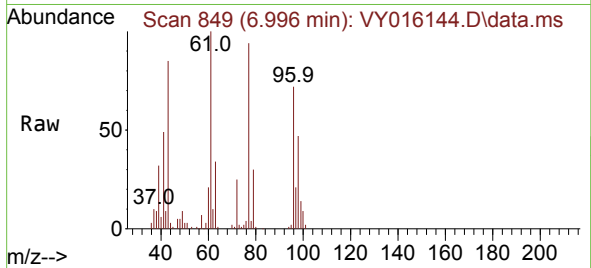




#25
2-Butanone
Concen: 99.203 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.000 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

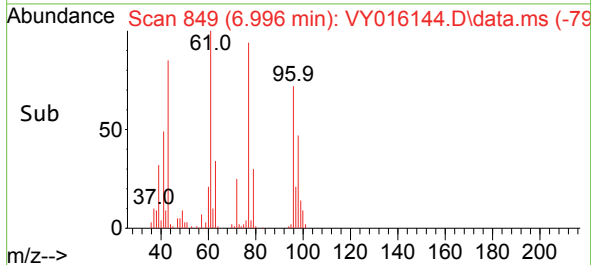
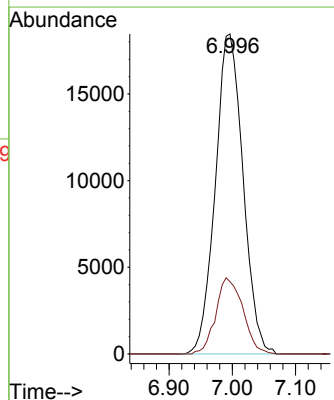
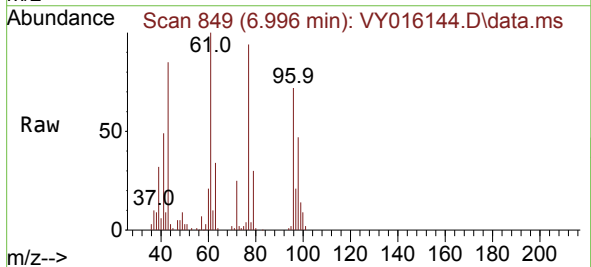
Instrument :
MSVOA_Y
ClientSampleId :

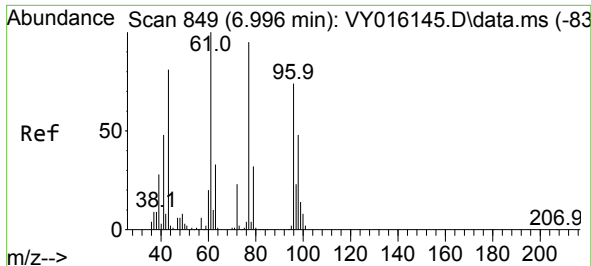
Tgt Ion: 43 Resp: 46351
Ion Ratio Lower Upper
43 100
72 29.0 20.5 30.7



#26
2,2-Dichloropropane
Concen: 20.004 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

Tgt Ion: 77 Resp: 56073
Ion Ratio Lower Upper
77 100
97 23.3 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 20.061 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.000 min

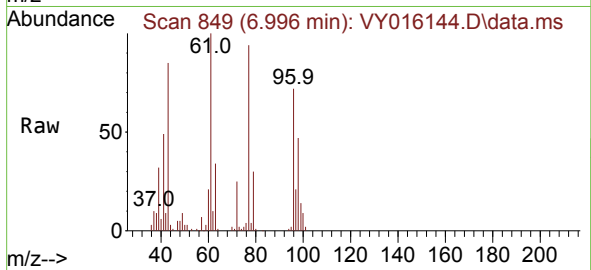
Lab File: VY016144.D

Acq: 31 Oct 2023 13:12

Instrument :

MSVOA_Y

ClientSampleId :



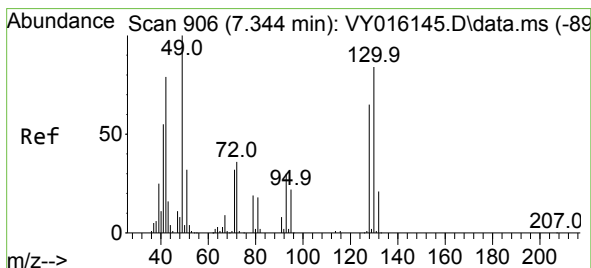
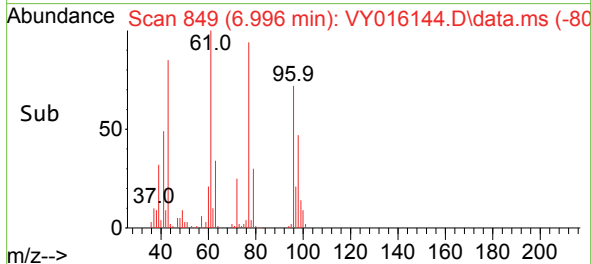
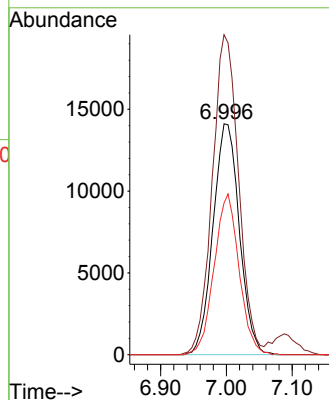
Tgt Ion: 96 Resp: 39382

Ion Ratio Lower Upper

96 100

61 138.1 0.0 301.4

98 65.9 0.0 130.4



#28

Bromochloromethane

Concen: 19.358 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY016144.D

Acq: 31 Oct 2023 13:12

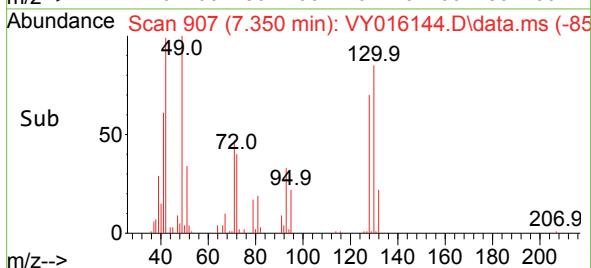
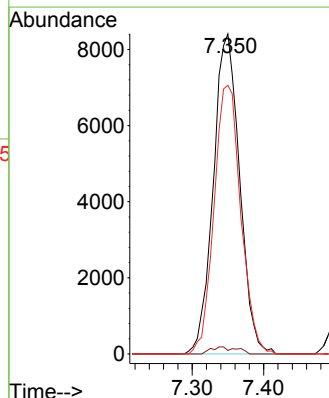
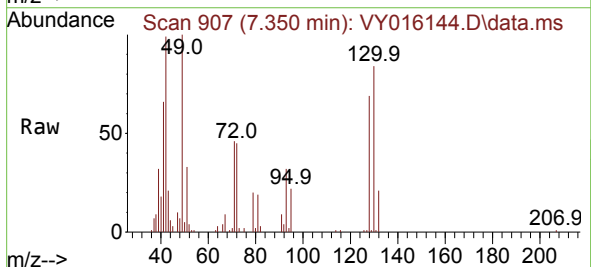
Tgt Ion: 49 Resp: 21480

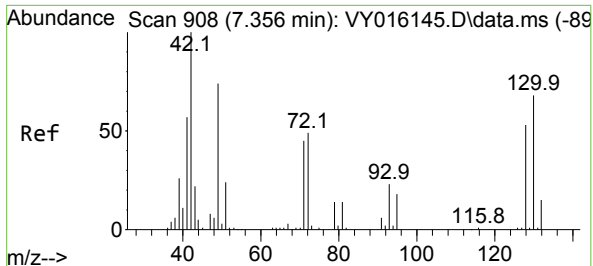
Ion Ratio Lower Upper

49 100

129 1.4 0.0 4.6

130 85.3 60.7 91.1





#29

Tetrahydrofuran

Concen: 101.482 ug/l

RT: 7.362 min Scan# 909

Delta R.T. 0.006 min

Lab File: VY016144.D

Acq: 31 Oct 2023 13:12

Instrument :

MSVOA_Y

ClientSampleId :

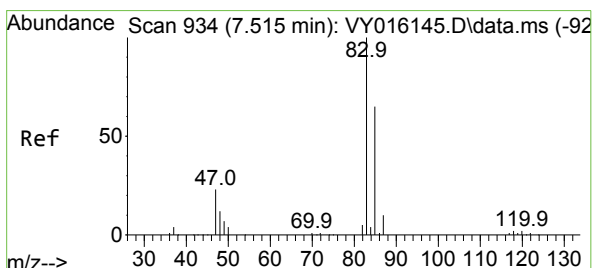
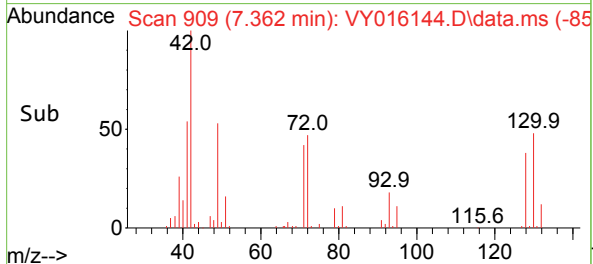
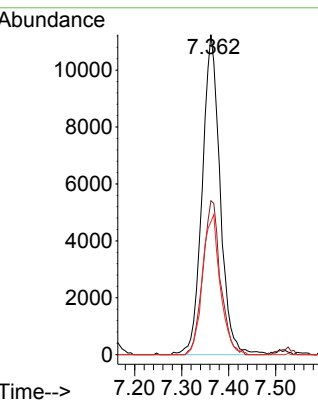
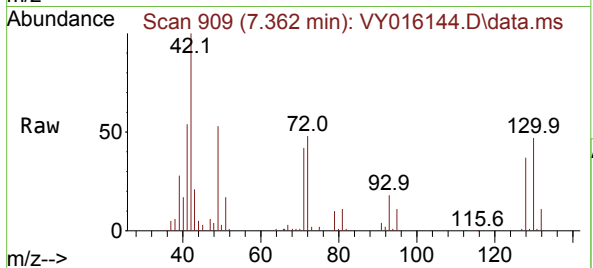
Tgt Ion: 42 Resp: 29723

Ion Ratio Lower Upper

42 100

72 47.5 32.8 49.2

71 43.5 31.0 46.4



#30

Chloroform

Concen: 20.364 ug/l

RT: 7.521 min Scan# 935

Delta R.T. 0.006 min

Lab File: VY016144.D

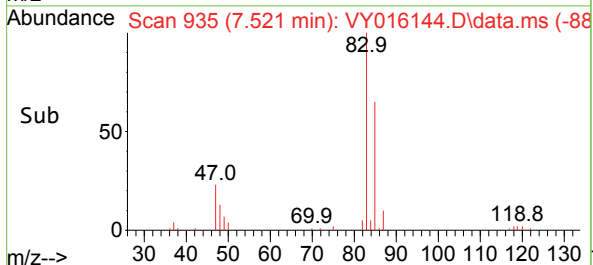
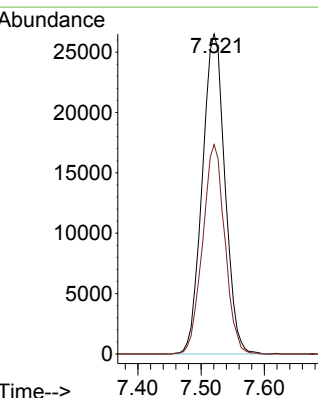
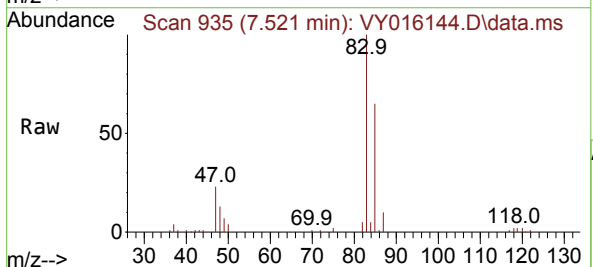
Acq: 31 Oct 2023 13:12

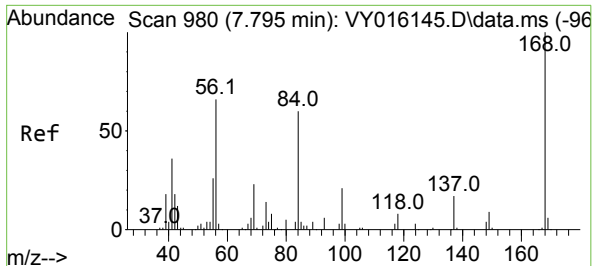
Tgt Ion: 83 Resp: 65741

Ion Ratio Lower Upper

83 100

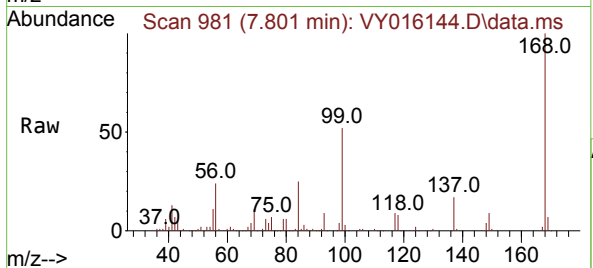
85 65.4 49.7 74.5



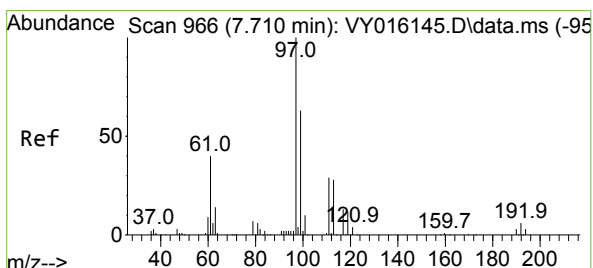
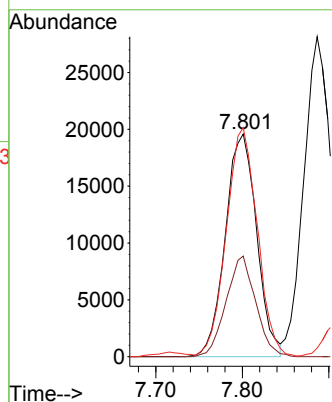
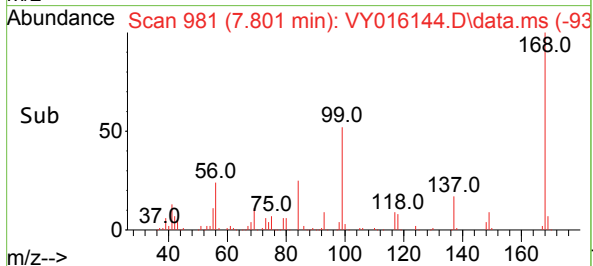


#31
Cyclohexane
Concen: 18.924 ug/l
RT: 7.801 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

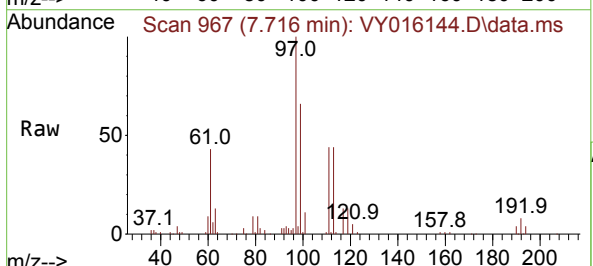
Instrument :
MSVOA_Y
ClientSampleId :



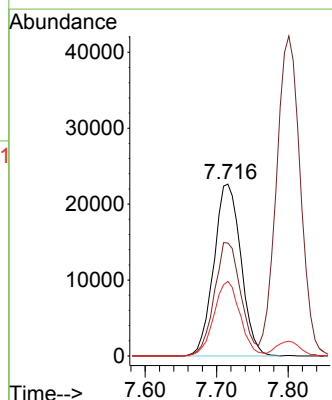
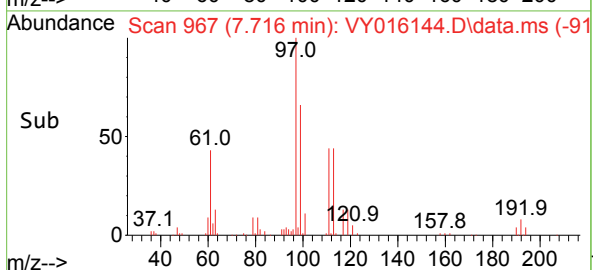
Tgt Ion: 56 Resp: 49266
Ion Ratio Lower Upper
56 100
69 45.2 27.8 41.6#
84 101.3 66.4 99.6#

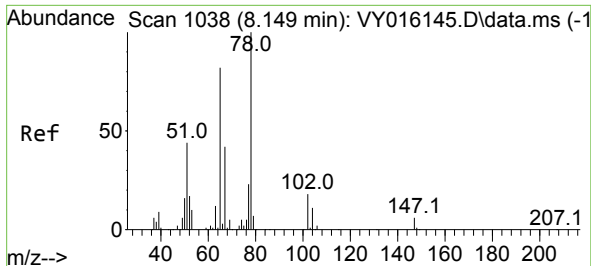


#32
1,1,1-Trichloroethane
Concen: 20.115 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.006 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12



Tgt Ion: 97 Resp: 59555
Ion Ratio Lower Upper
97 100
99 64.6 50.8 76.2
61 42.2 35.1 52.7

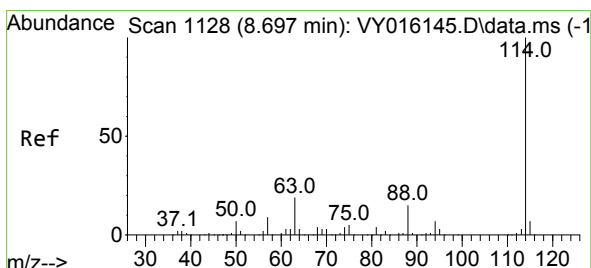
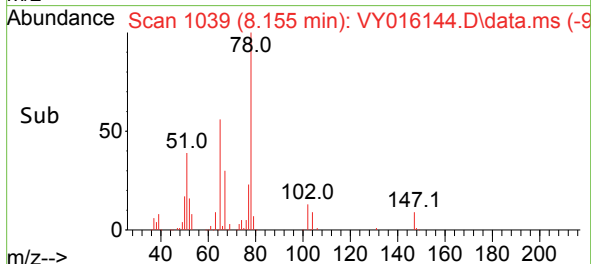
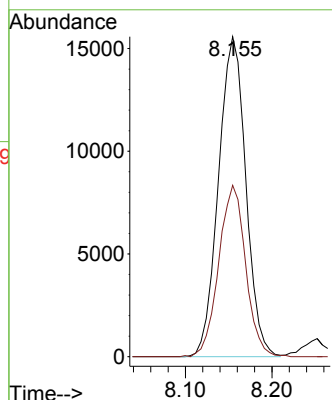
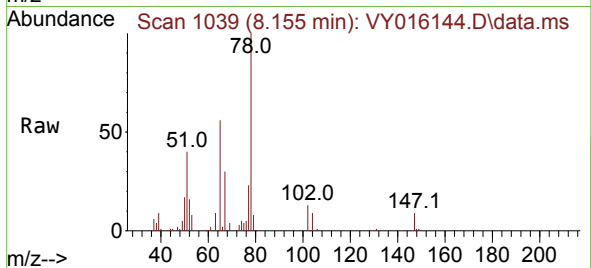




#33
 1,2-Dichloroethane-d4
 Concen: 20.153 ug/l
 RT: 8.155 min Scan# 1109
 Delta R.T. 0.006 min
 Lab File: VY016144.D
 Acq: 31 Oct 2023 13:12

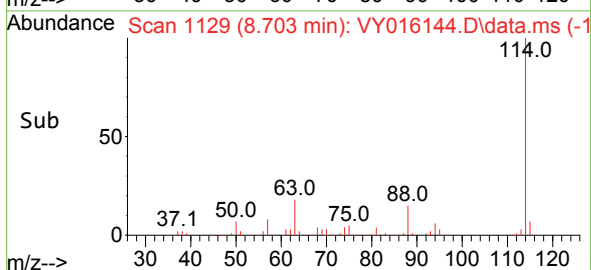
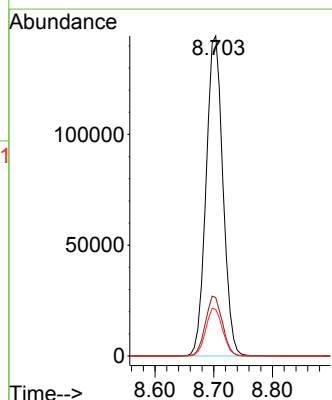
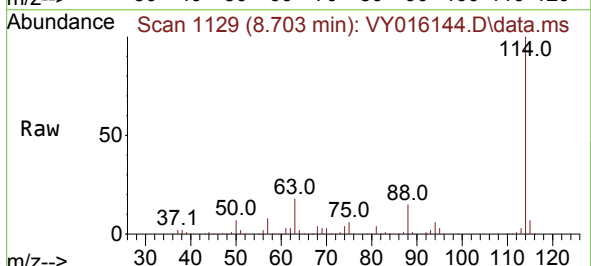
Instrument :
 MSVOA_Y
 ClientSampleId :

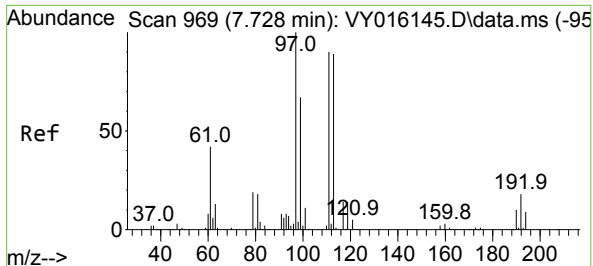
Tgt Ion: 65 Resp: 34131
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.703 min Scan# 1129
 Delta R.T. 0.006 min
 Lab File: VY016144.D
 Acq: 31 Oct 2023 13:12

Tgt Ion: 114 Resp: 287034
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 42.4
 88 14.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 20.333 ug/l

RT: 7.728 min Scan# 9

Delta R.T. -0.000 min

Lab File: VY016144.D

Acq: 31 Oct 2023 13:12

Instrument :

MSVOA_Y

ClientSampleId :

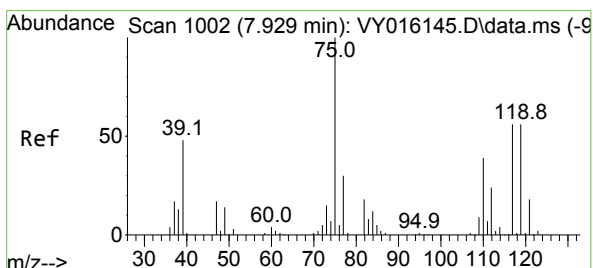
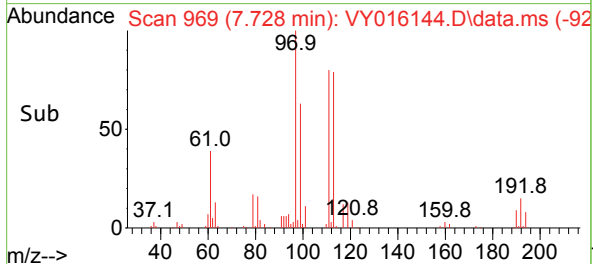
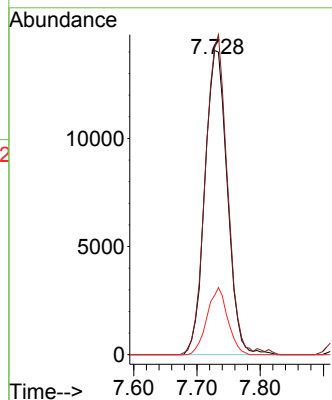
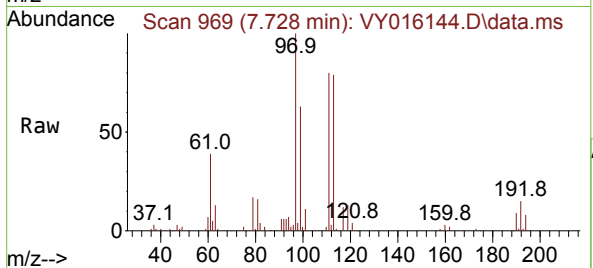
Tgt Ion:113 Resp: 34794

Ion Ratio Lower Upper

113 100

111 102.6 81.3 121.9

192 20.3 16.9 25.3



#36

1,1-Dichloropropene

Concen: 19.975 ug/l

RT: 7.929 min Scan# 1002

Delta R.T. -0.000 min

Lab File: VY016144.D

Acq: 31 Oct 2023 13:12

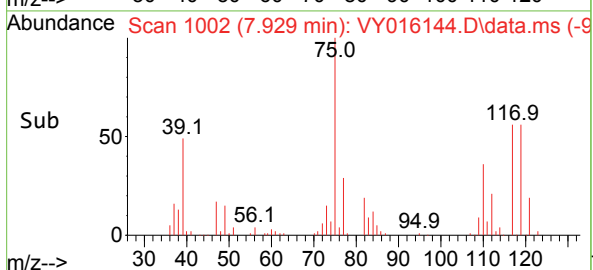
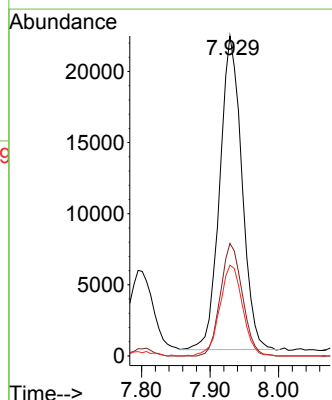
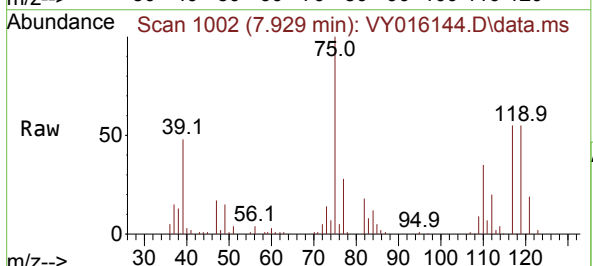
Tgt Ion: 75 Resp: 49358

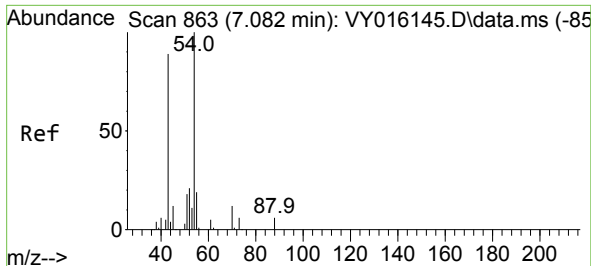
Ion Ratio Lower Upper

75 100

110 35.5 17.8 53.5

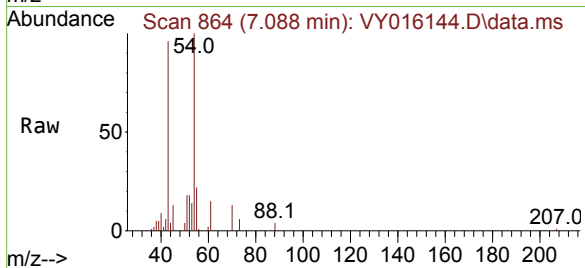
77 29.8 24.4 36.6



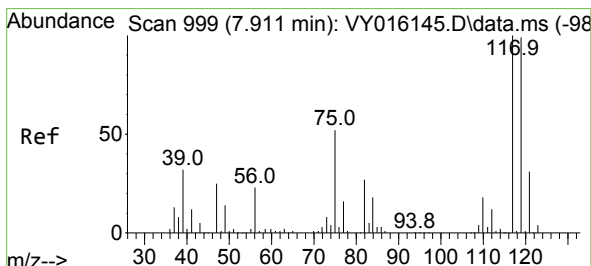
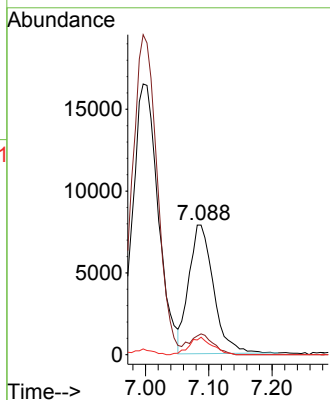
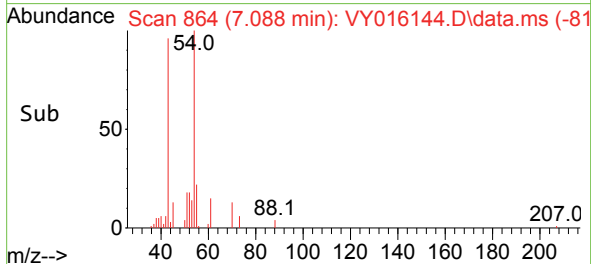


#37
Ethyl Acetate
Concen: 19.349 ug/l
RT: 7.088 min Scan# 864
Delta R.T. 0.006 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

Instrument :
MSVOA_Y
ClientSampleId :

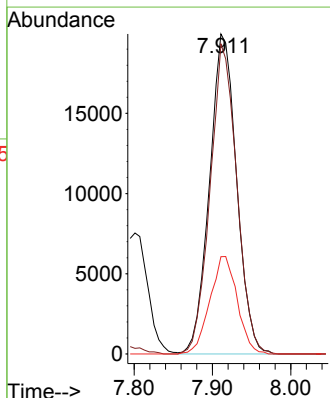
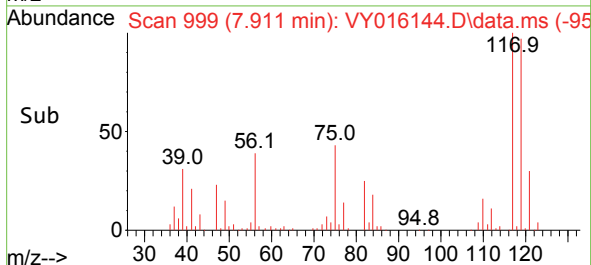
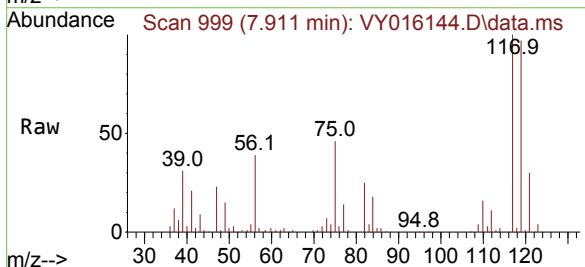


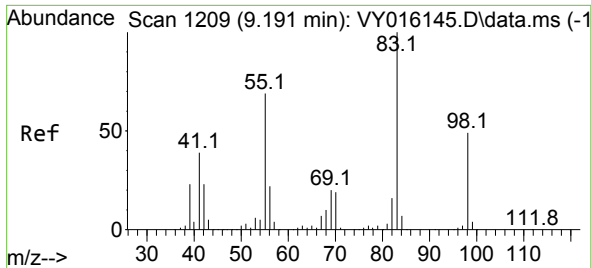
Tgt Ion: 43 Resp: 21295
Ion Ratio Lower Upper
43 100
61 15.3 10.1 15.1#
70 12.6 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 19.589 ug/l
RT: 7.911 min Scan# 999
Delta R.T. -0.000 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

Tgt Ion: 117 Resp: 47955
Ion Ratio Lower Upper
117 100
119 96.8 76.4 114.6
121 30.4 25.8 38.6





#39

Methylcyclohexane

Concen: 19.457 ug/l

RT: 9.197 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016144.D

Acq: 31 Oct 2023 13:12

Instrument :

MSVOA_Y

ClientSampleId :

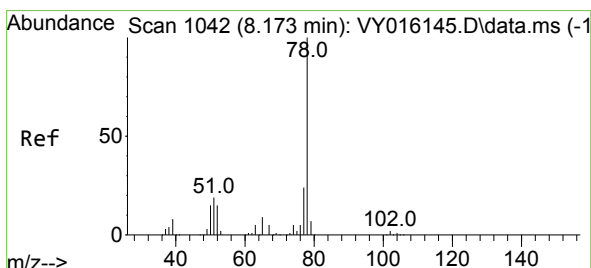
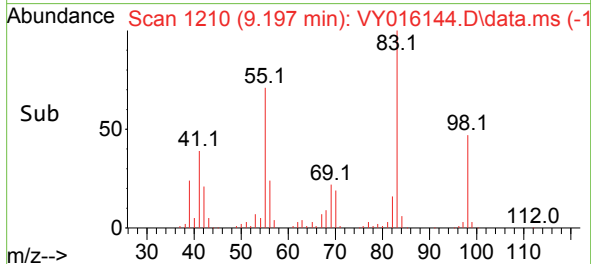
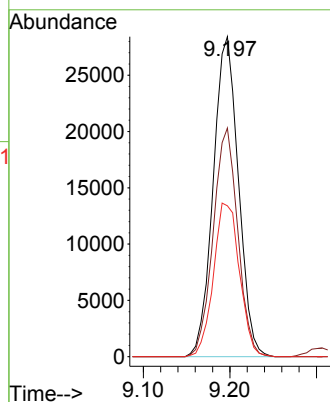
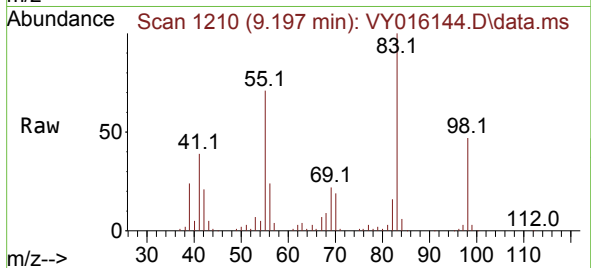
Tgt Ion: 83 Resp: 57388

Ion Ratio Lower Upper

83 100

55 71.5 63.0 94.4

98 47.2 37.4 56.2



#40

Benzene

Concen: 19.844 ug/l

RT: 8.173 min Scan# 1042

Delta R.T. -0.000 min

Lab File: VY016144.D

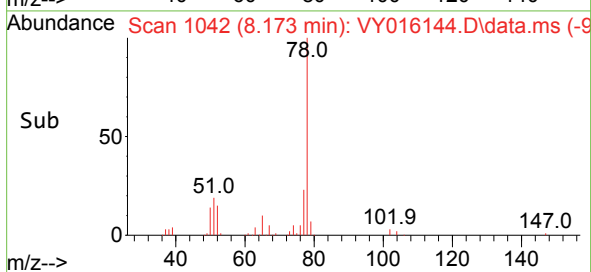
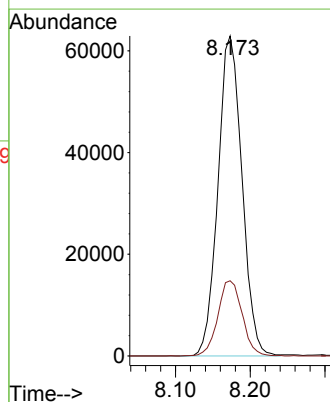
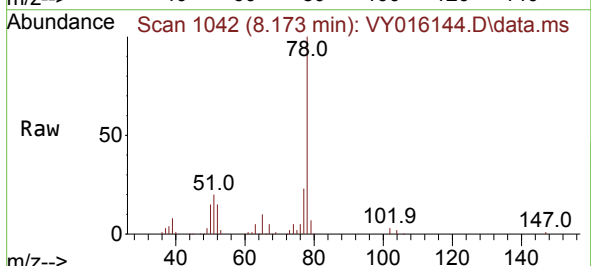
Acq: 31 Oct 2023 13:12

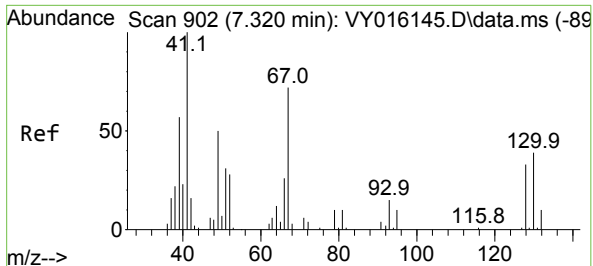
Tgt Ion: 78 Resp: 140773

Ion Ratio Lower Upper

78 100

77 23.5 19.0 28.6



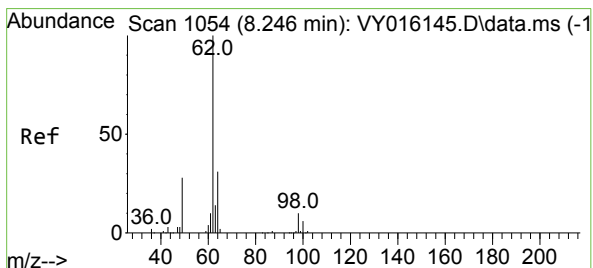
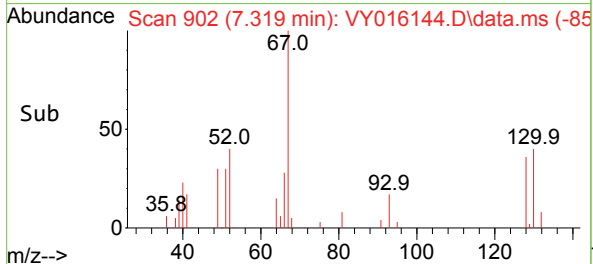
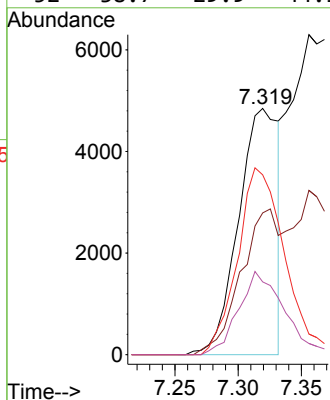
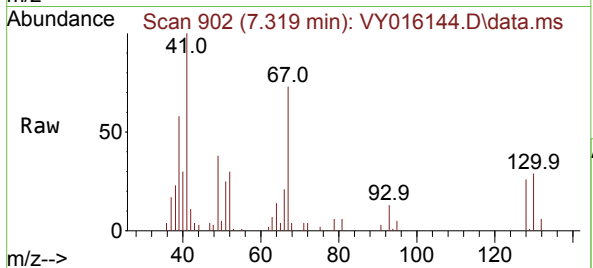


#41
Methacrylonitrile
Concen: 16.670 ug/l
RT: 7.319 min Scan# 902
Delta R.T. -0.000 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 41 Resp: 10649

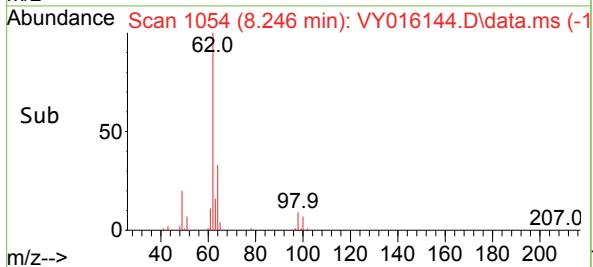
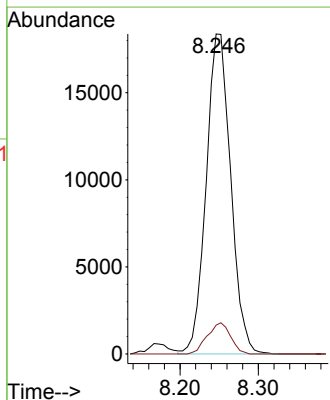
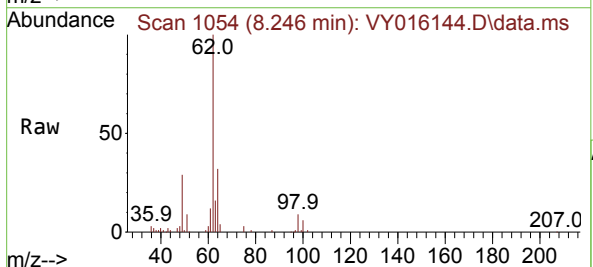
Ion	Ratio	Lower	Upper
41	100		
39	63.6	52.1	78.1
67	89.5	66.2	99.2
52	38.7	29.9	44.9

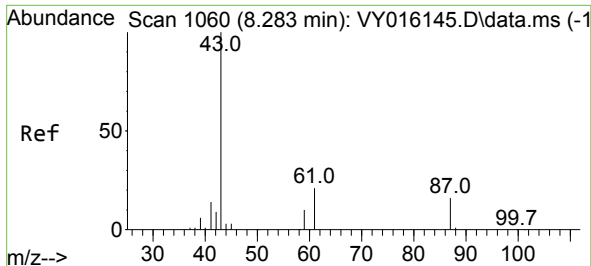


#42
1,2-Dichloroethane
Concen: 20.209 ug/l
RT: 8.246 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

Tgt Ion: 62 Resp: 40007

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	15.8

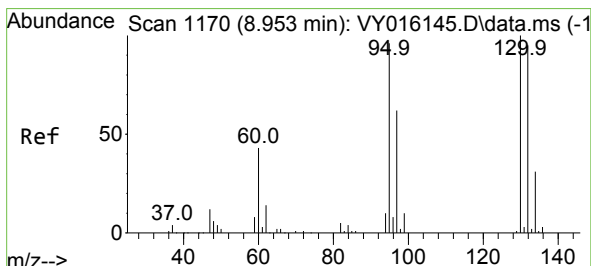
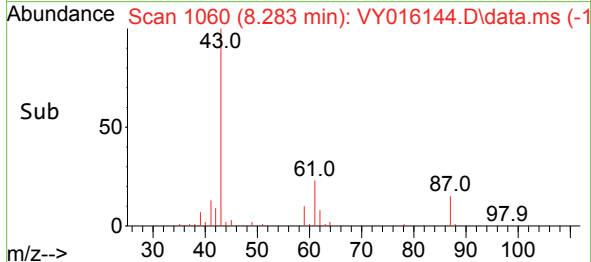
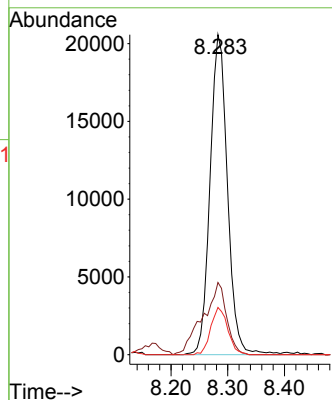
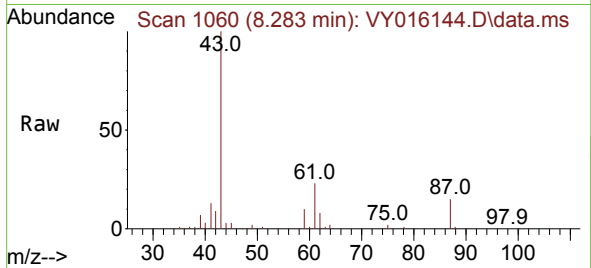




#43
Isopropyl Acetate
Concen: 20.157 ug/l
RT: 8.283 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

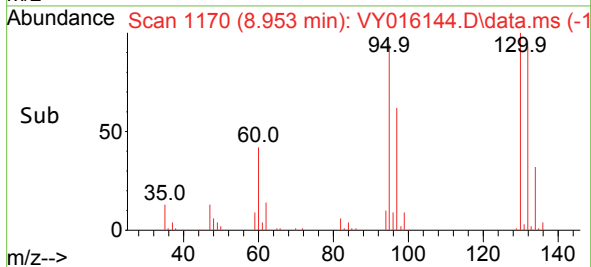
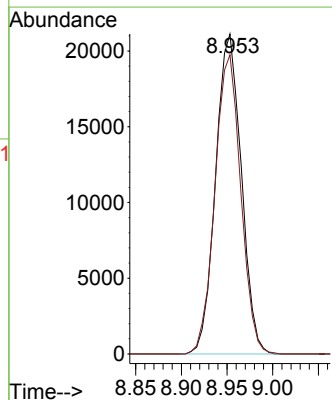
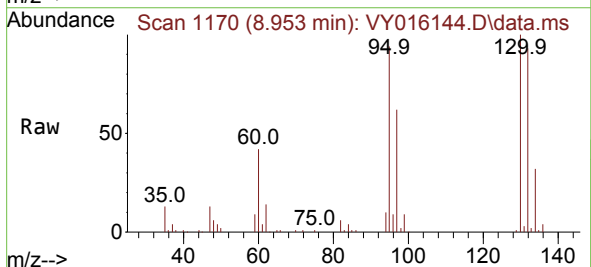
Instrument :
MSVOA_Y
ClientSampleId :

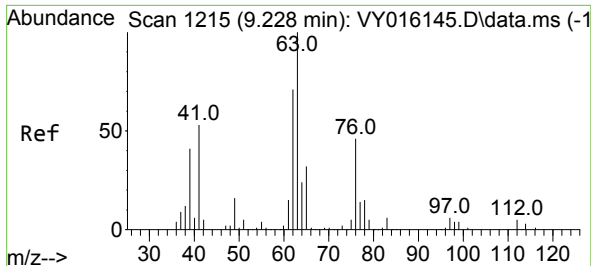
Tgt Ion	Ratio	Lower	Upper
43	100		
61	30.6	21.1	31.7
87	14.4	9.8	14.8



#44
Trichloroethene
Concen: 19.904 ug/l
RT: 8.953 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	196.0





#45

1,2-Dichloropropane

Concen: 19.977 ug/l

RT: 9.228 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016144.D

Acq: 31 Oct 2023 13:12

Instrument :

MSVOA_Y

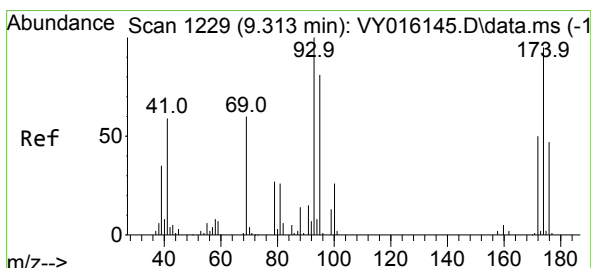
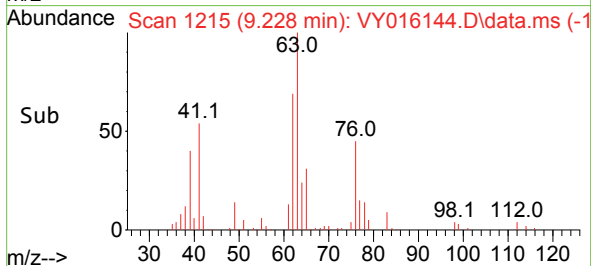
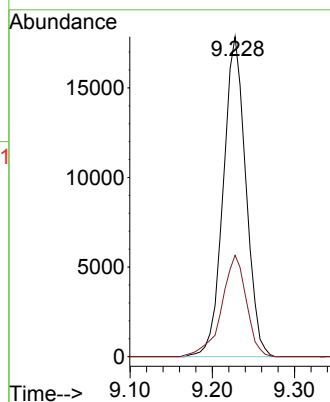
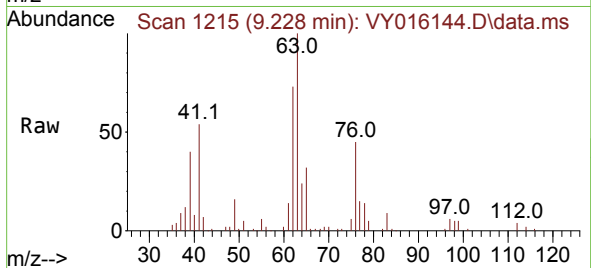
ClientSampleId :

Tgt Ion: 63 Resp: 34091

Ion Ratio Lower Upper

63 100

65 31.7 23.8 35.6



#46

Dibromomethane

Concen: 19.818 ug/l

RT: 9.319 min Scan# 1230

Delta R.T. 0.006 min

Lab File: VY016144.D

Acq: 31 Oct 2023 13:12

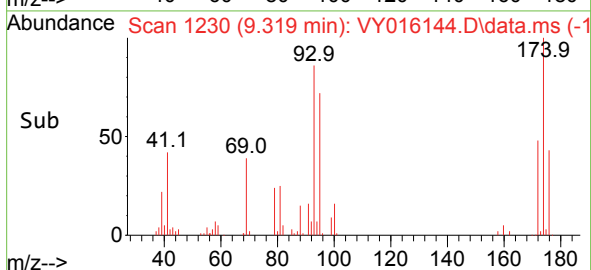
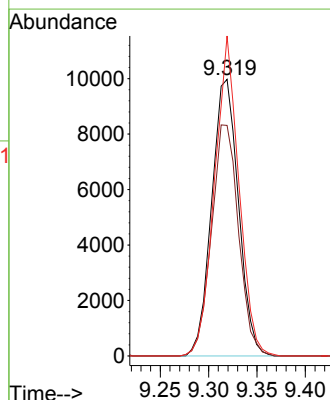
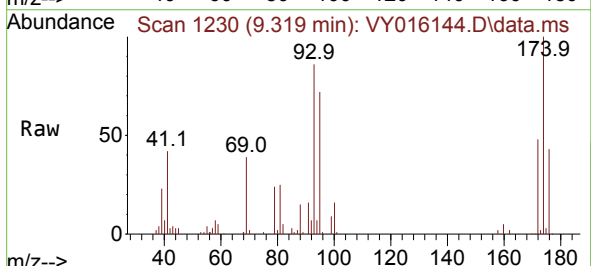
Tgt Ion: 93 Resp: 19185

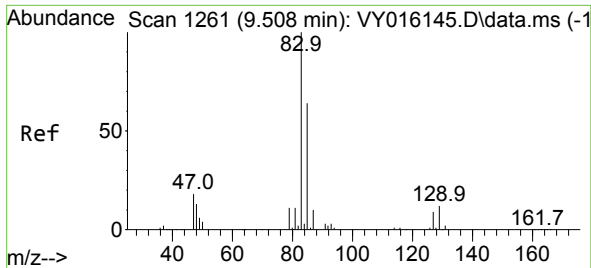
Ion Ratio Lower Upper

93 100

95 84.3 66.6 100.0

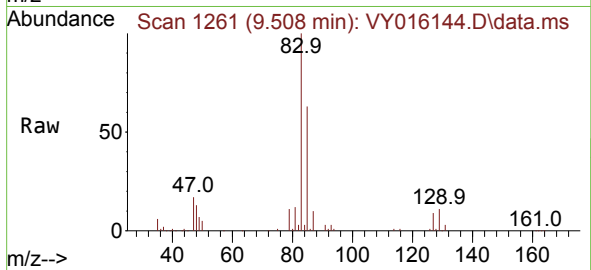
174 105.2 84.8 127.2



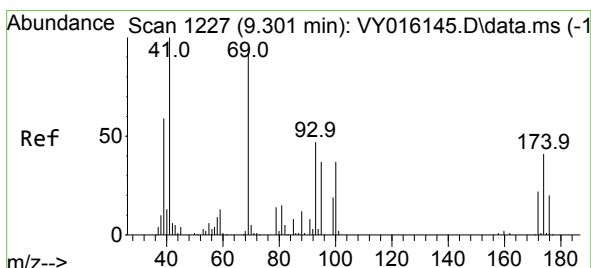
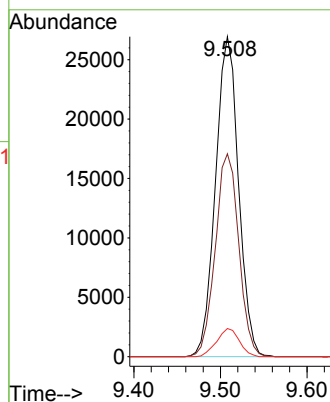
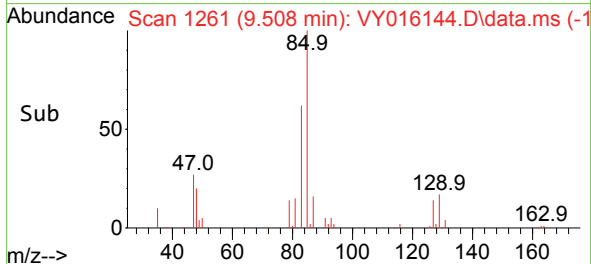


#47
Bromodichloromethane
Concen: 20.233 ug/l
RT: 9.508 min Scan# 1261
Delta R.T. -0.000 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

Instrument :
MSVOA_Y
ClientSampleId :

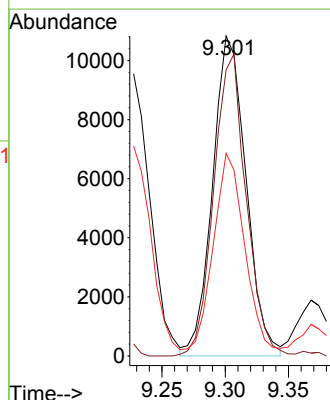
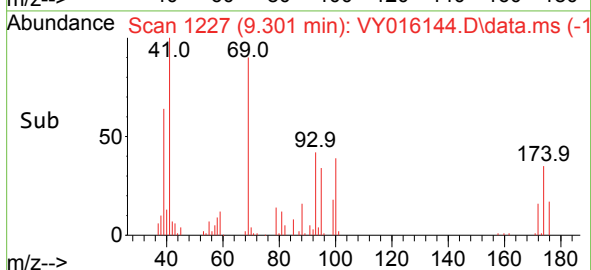
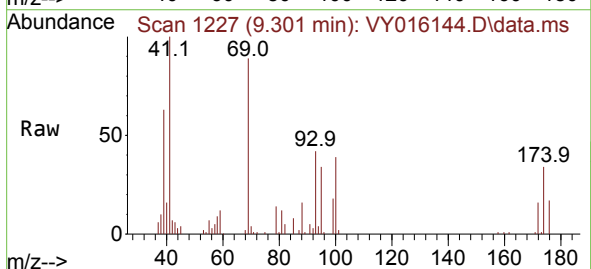


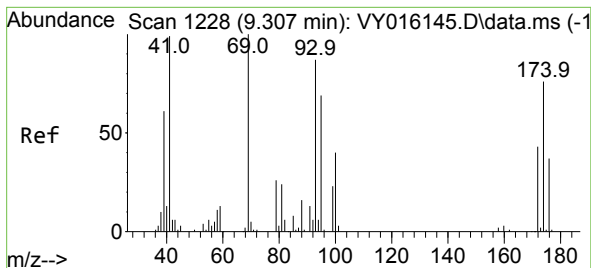
Tgt Ion: 83 Resp: 49766
Ion Ratio Lower Upper
83 100
85 63.4 50.1 75.1
127 8.8 7.1 10.7



#48
Methyl methacrylate
Concen: 20.140 ug/l
RT: 9.301 min Scan# 1227
Delta R.T. -0.000 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

Tgt Ion: 41 Resp: 19937
Ion Ratio Lower Upper
41 100
69 91.4 64.5 96.7
39 57.0 50.8 76.2





#49

1,4-Dioxane

Concen: 399.114 ug/l

RT: 9.313 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VY016144.D

Acq: 31 Oct 2023 13:12

Instrument :

MSVOA_Y

ClientSampleId :

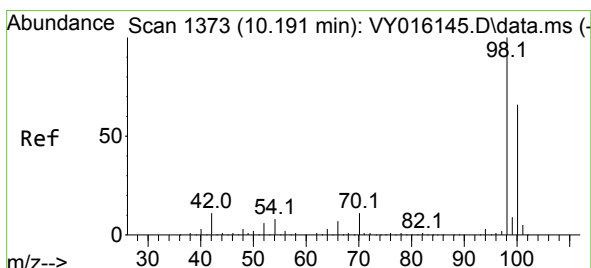
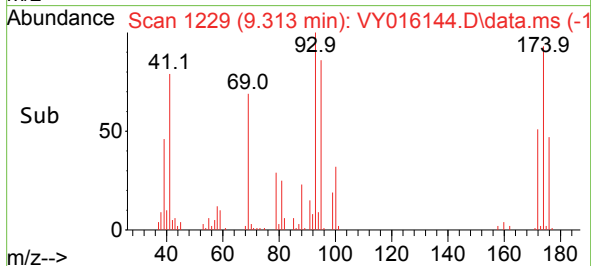
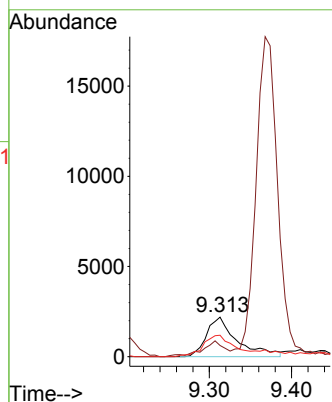
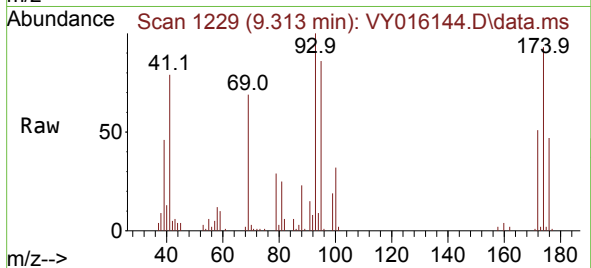
Tgt Ion: 88 Resp: 5652

Ion Ratio Lower Upper

88 100

43 29.0 0.0 0.0#

58 53.6 30.9 46.3#



#50

Toluene-d8

Concen: 19.702 ug/l

RT: 10.191 min Scan# 1373

Delta R.T. -0.000 min

Lab File: VY016144.D

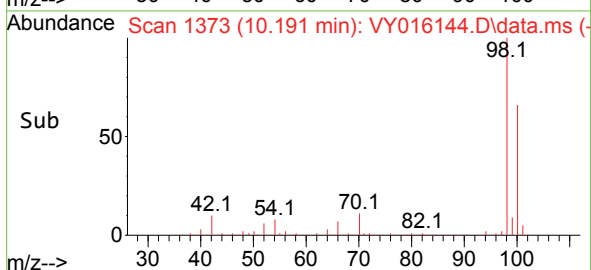
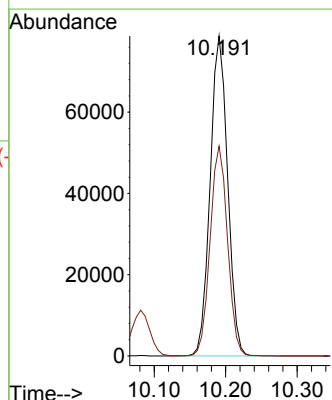
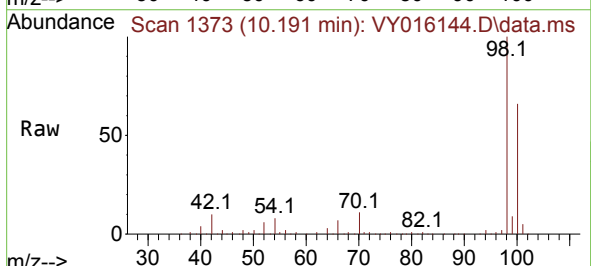
Acq: 31 Oct 2023 13:12

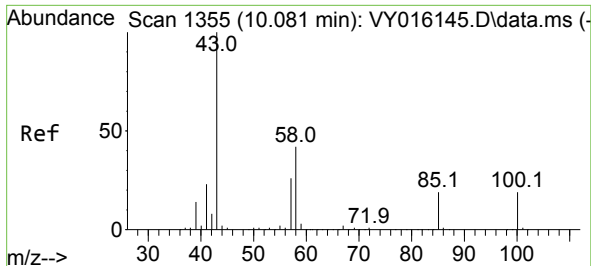
Tgt Ion: 98 Resp: 133672

Ion Ratio Lower Upper

98 100

100 65.4 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 101.127 ug/l

RT: 10.081 min Scan# 1355

Delta R.T. -0.000 min

Lab File: VY016144.D

Acq: 31 Oct 2023 13:12

Instrument :

MSVOA_Y

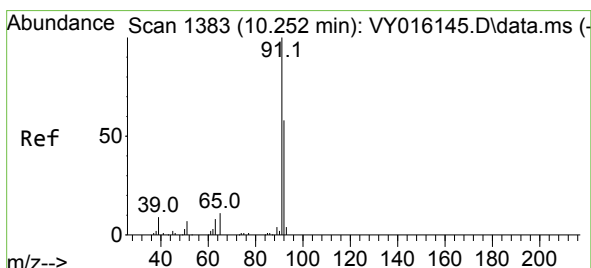
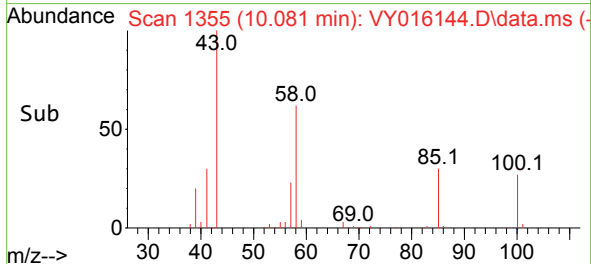
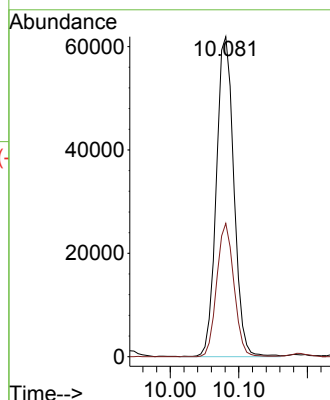
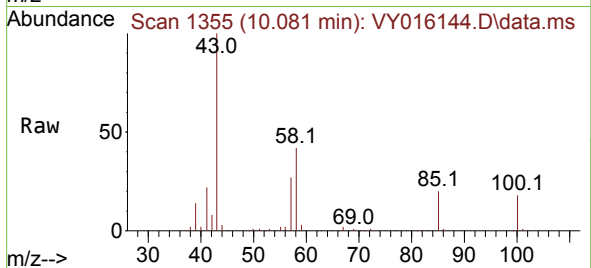
ClientSampleId :

Tgt Ion: 43 Resp: 109849

Ion Ratio Lower Upper

43 100

58 40.8 29.0 43.6



#52

Toluene

Concen: 19.980 ug/l

RT: 10.252 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VY016144.D

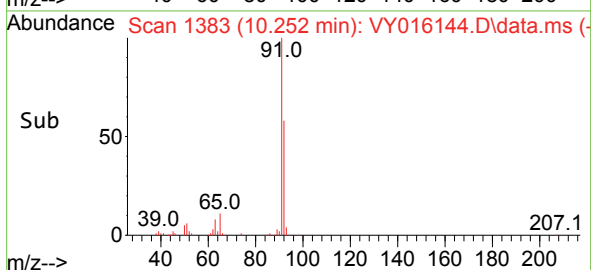
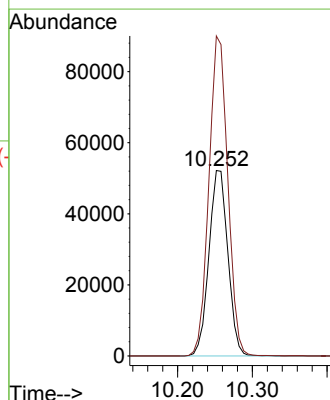
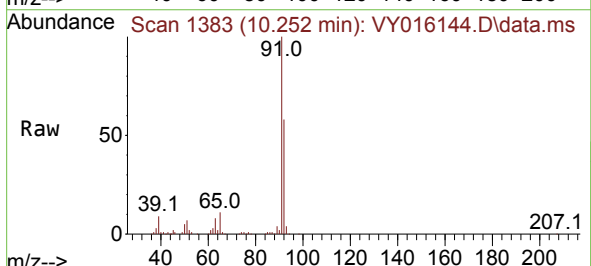
Acq: 31 Oct 2023 13:12

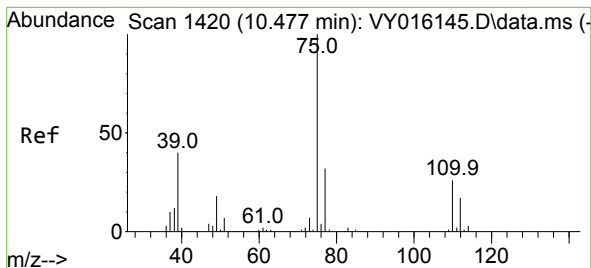
Tgt Ion: 92 Resp: 91846

Ion Ratio Lower Upper

92 100

91 171.6 143.8 215.6

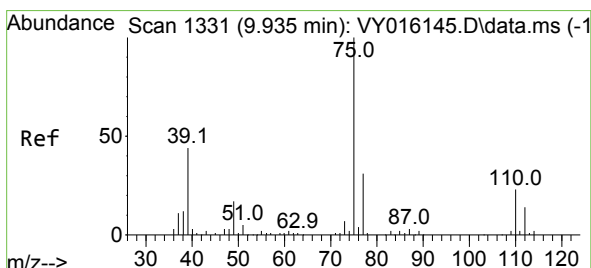
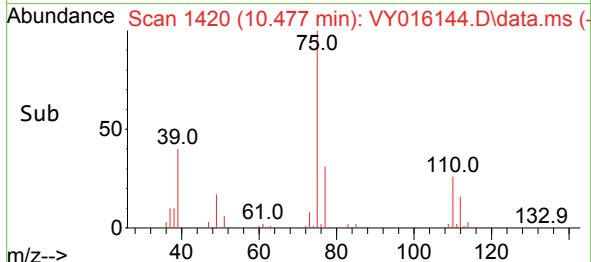
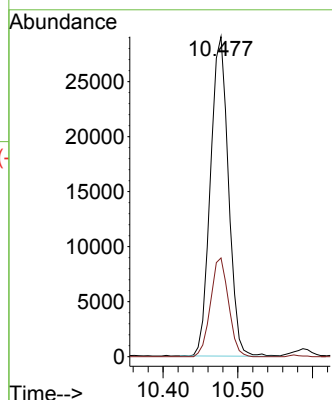
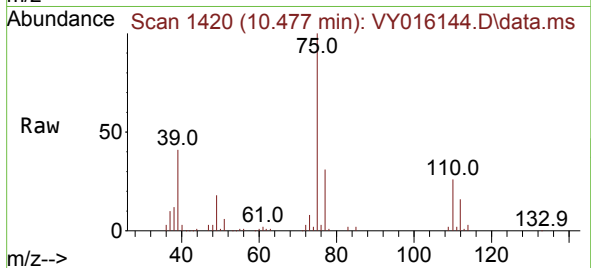




#53
 t-1,3-Dichloropropene
 Concen: 19.804 ug/l
 RT: 10.477 min Scan# 1420
 Delta R.T. -0.000 min
 Lab File: VY016144.D
 Acq: 31 Oct 2023 13:12

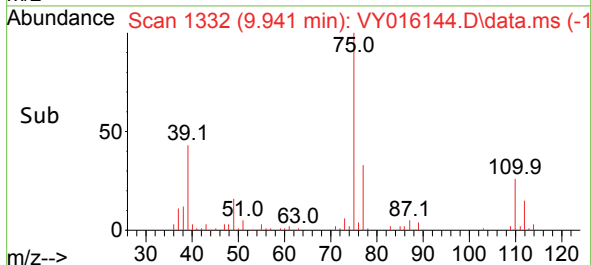
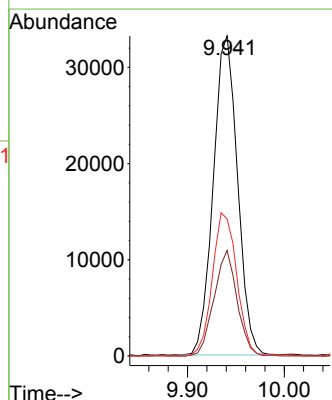
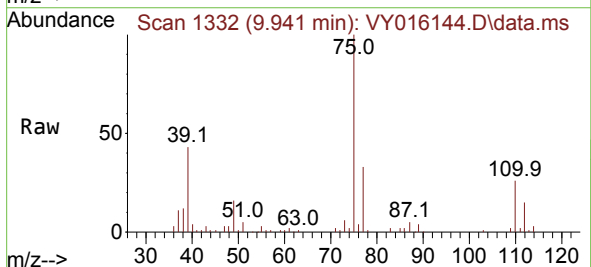
Instrument :
 MSVOA_Y
 ClientSampleId :

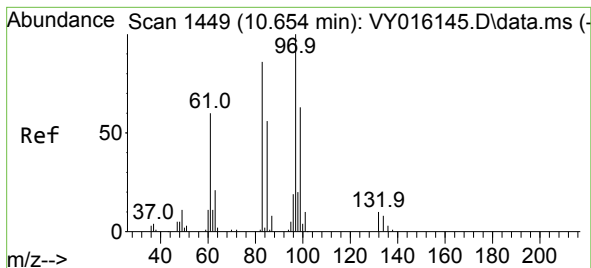
Tgt Ion: 75 Resp: 48627
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 20.030 ug/l
 RT: 9.941 min Scan# 1332
 Delta R.T. 0.006 min
 Lab File: VY016144.D
 Acq: 31 Oct 2023 13:12

Tgt Ion: 75 Resp: 57710
 Ion Ratio Lower Upper
 75 100
 77 33.0 24.2 36.4
 39 43.0 42.2 63.4





#55

1,1,2-Trichloroethane

Concen: 19.856 ug/l

RT: 10.654 min Scan# 1449

Delta R.T. -0.000 min

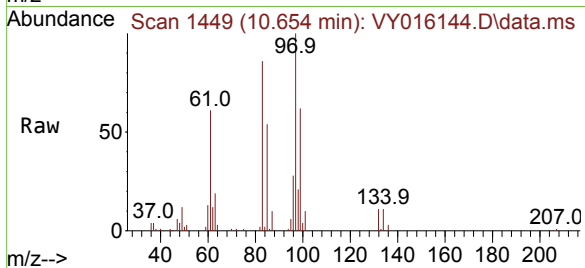
Lab File: VY016144.D

Acq: 31 Oct 2023 13:12

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 97 Resp: 27039

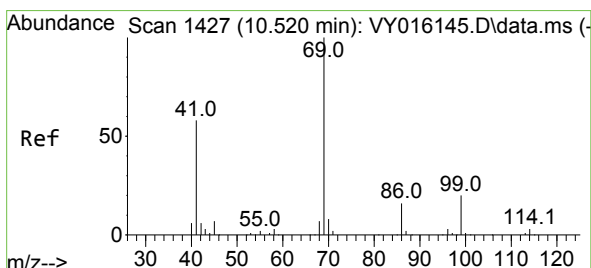
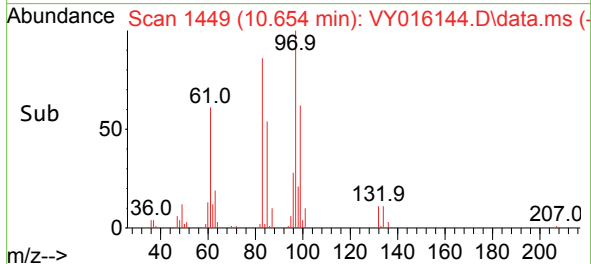
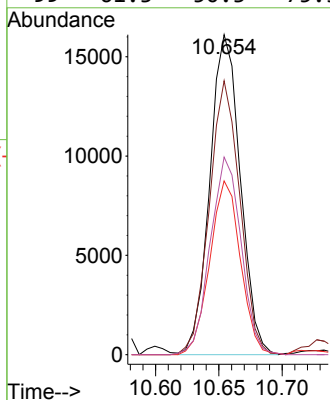
Ion Ratio Lower Upper

97 100

83 85.3 72.0 108.0

85 54.3 45.4 68.0

99 61.3 50.3 75.5



#56

Ethyl methacrylate

Concen: 19.953 ug/l

RT: 10.520 min Scan# 1427

Delta R.T. -0.000 min

Lab File: VY016144.D

Acq: 31 Oct 2023 13:12

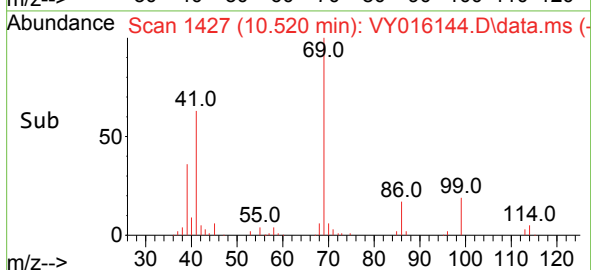
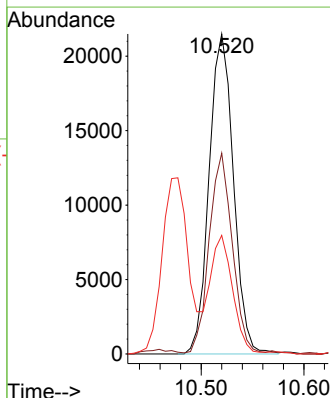
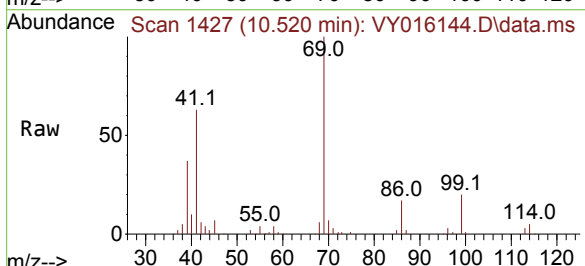
Tgt Ion: 69 Resp: 35286

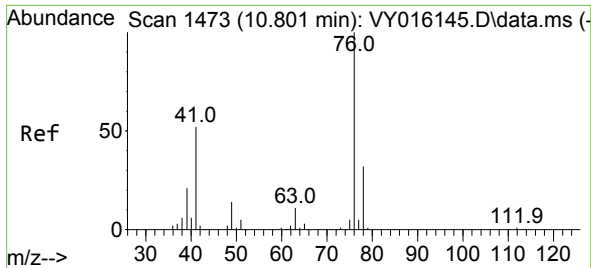
Ion Ratio Lower Upper

69 100

41 59.2 57.6 86.4

39 32.5 34.1 51.1#

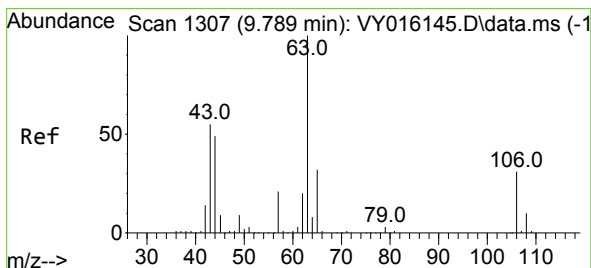
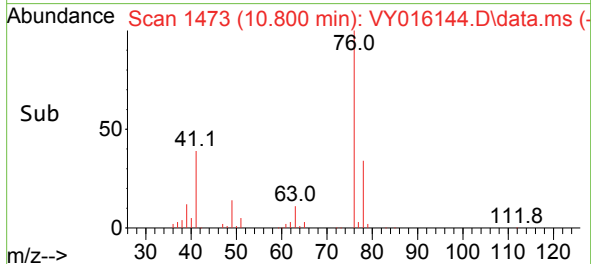
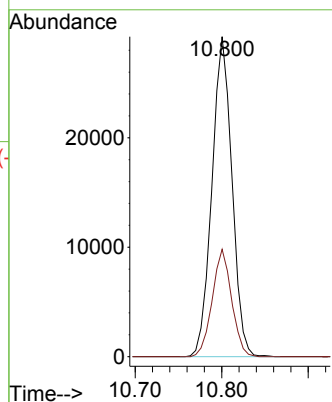
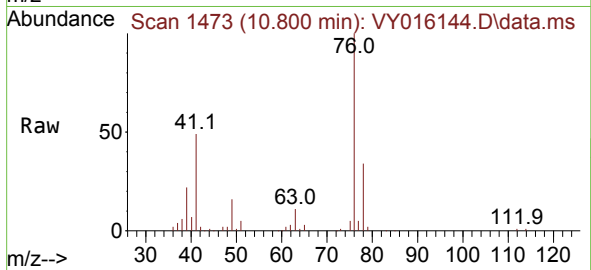




#57
1,3-Dichloropropane
Concen: 20.237 ug/l
RT: 10.800 min Scan# 1473
Delta R.T. -0.000 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

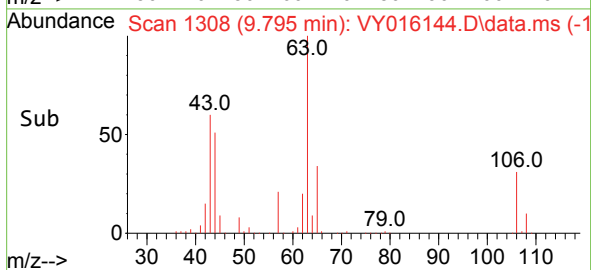
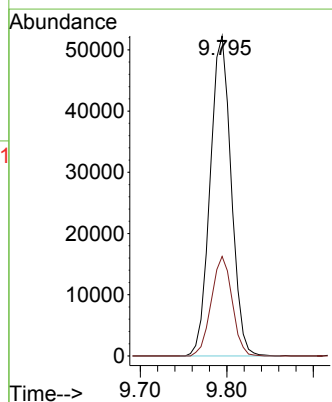
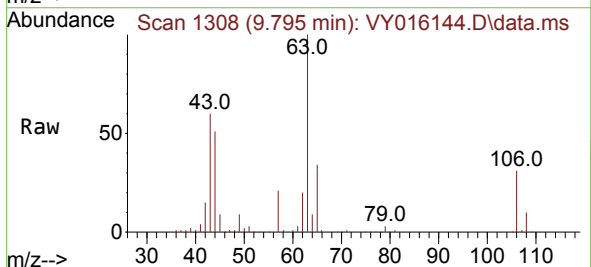
Instrument :
MSVOA_Y
ClientSampleId :

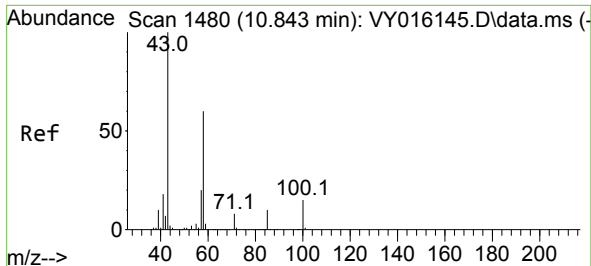
Tgt Ion: 76 Resp: 46913
Ion Ratio Lower Upper
76 100
78 32.5 25.3 37.9



#58
2-Chloroethyl Vinyl ether
Concen: 102.707 ug/l
RT: 9.795 min Scan# 1308
Delta R.T. 0.006 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

Tgt Ion: 63 Resp: 88076
Ion Ratio Lower Upper
63 100
106 30.8 21.2 31.8

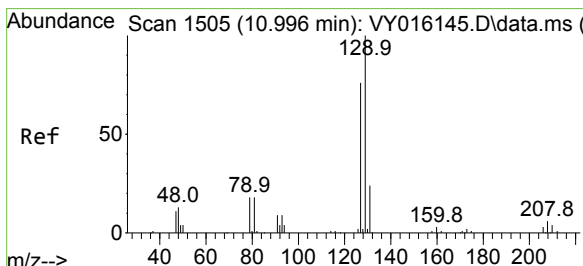
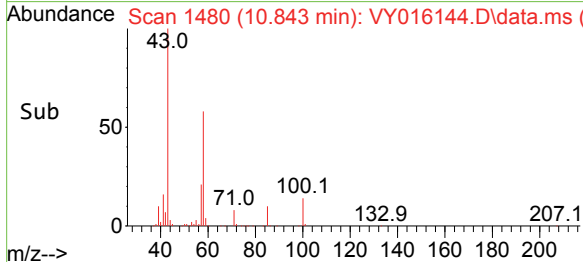
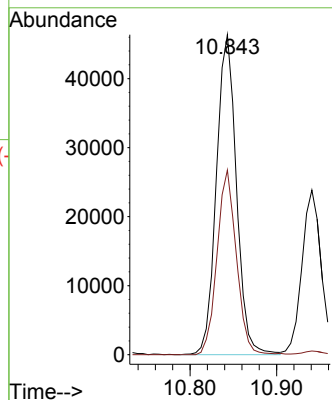
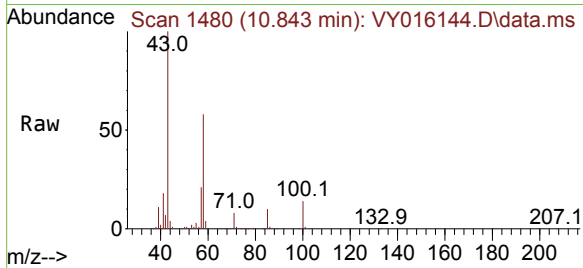




#59
2-Hexanone
Concen: 100.212 ug/l
RT: 10.843 min Scan# 1480
Delta R.T. -0.000 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

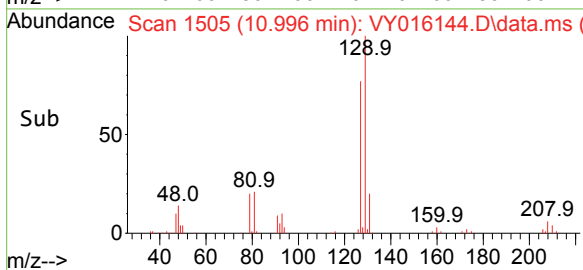
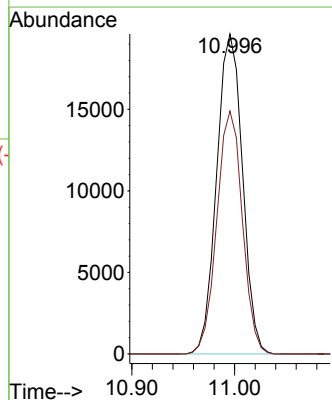
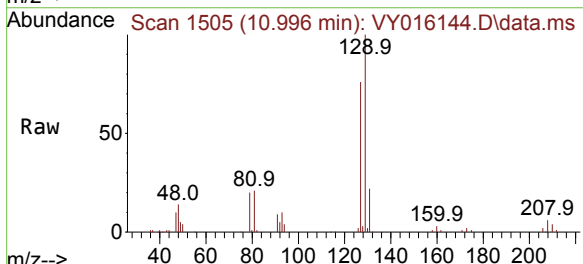
Instrument :
MSVOA_Y
ClientSampleId :

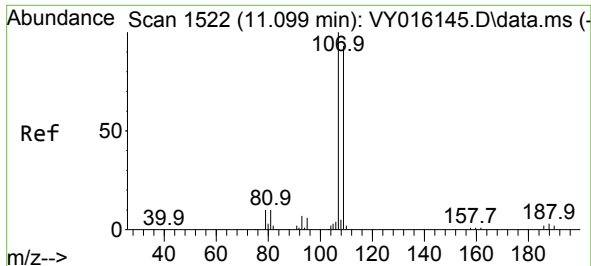
Tgt Ion: 43 Resp: 74594
Ion Ratio Lower Upper
43 100
58 55.7 25.1 75.3



#60
Dibromochloromethane
Concen: 20.054 ug/l
RT: 10.996 min Scan# 1505
Delta R.T. -0.000 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

Tgt Ion: 129 Resp: 34259
Ion Ratio Lower Upper
129 100
127 75.0 38.5 115.5

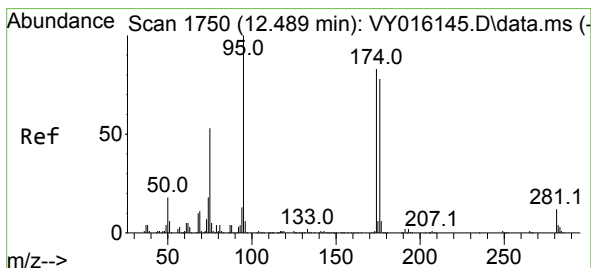
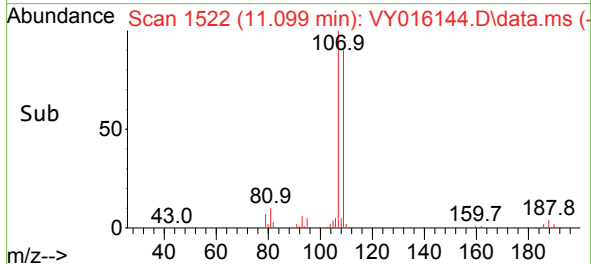
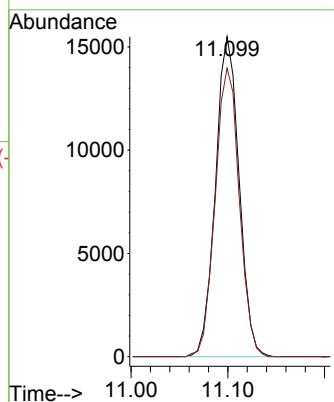
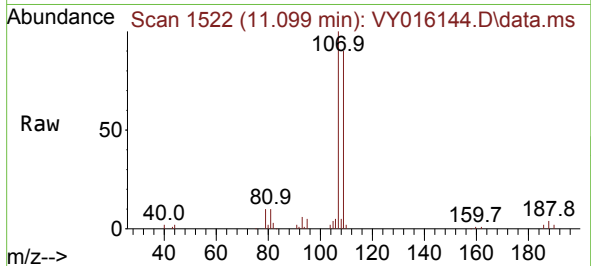




#61
1,2-Dibromoethane
Concen: 20.227 ug/l
RT: 11.099 min Scan# 1522
Delta R.T. -0.000 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

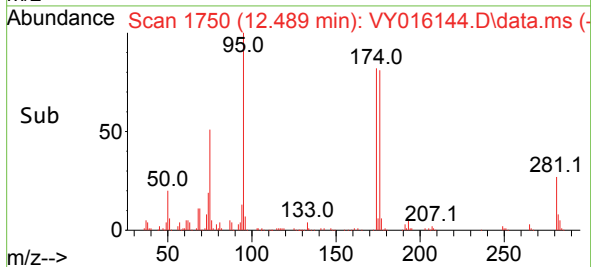
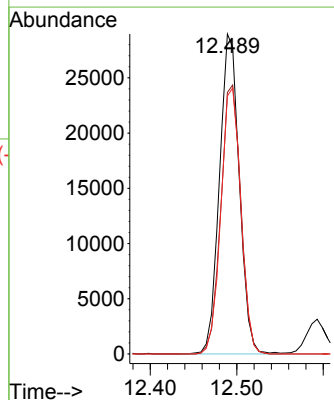
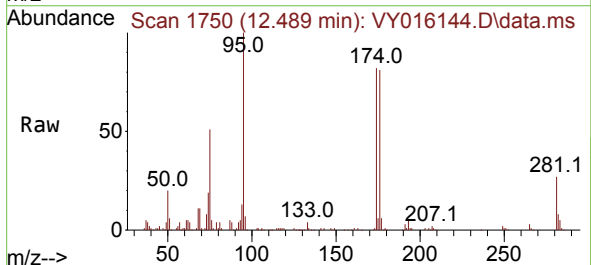
Instrument :
MSVOA_Y
ClientSampleId :

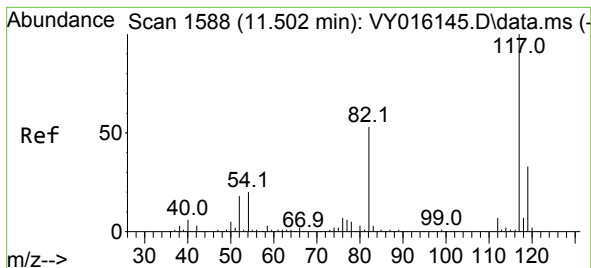
Tgt Ion:107 Resp: 26199
Ion Ratio Lower Upper
107 100
109 92.1 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 19.830 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

Tgt Ion: 95 Resp: 46006
Ion Ratio Lower Upper
95 100
174 84.8 0.0 178.2
176 83.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 117

Delta R.T. -0.000 min

Lab File: VY016144.D

Acq: 31 Oct 2023 13:12

Instrument :

MSVOA_Y

ClientSampleId :

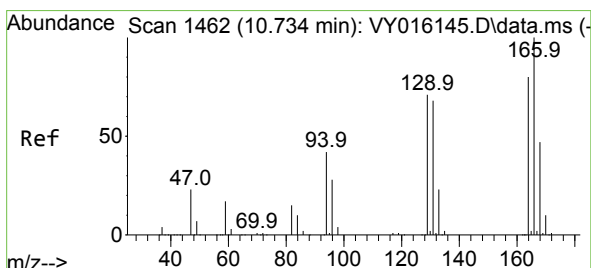
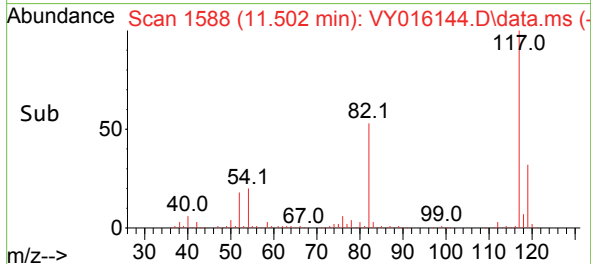
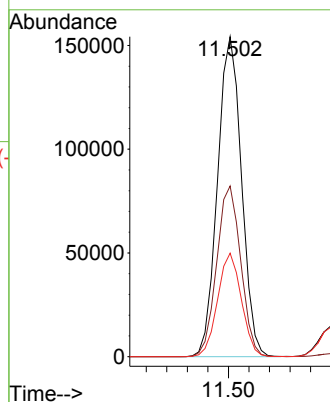
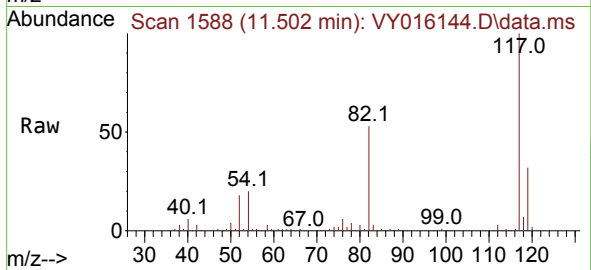
Tgt Ion:117 Resp: 249953

Ion Ratio Lower Upper

117 100

82 53.3 43.4 65.0

119 32.3 26.3 39.5



#64

Tetrachloroethene

Concen: 20.058 ug/l

RT: 10.733 min Scan# 1462

Delta R.T. -0.000 min

Lab File: VY016144.D

Acq: 31 Oct 2023 13:12

Tgt Ion:164 Resp: 44595

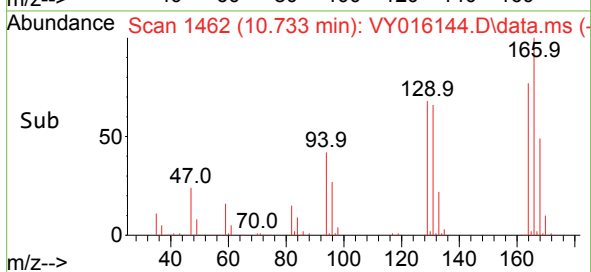
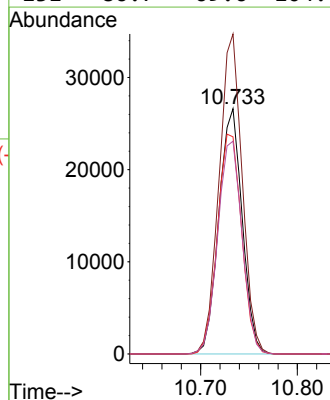
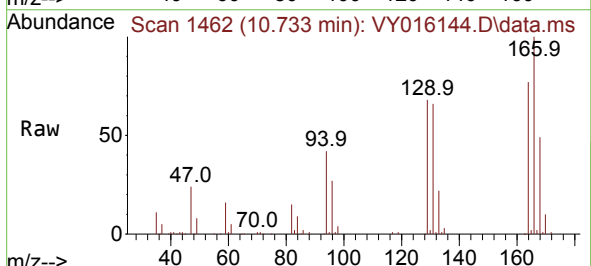
Ion Ratio Lower Upper

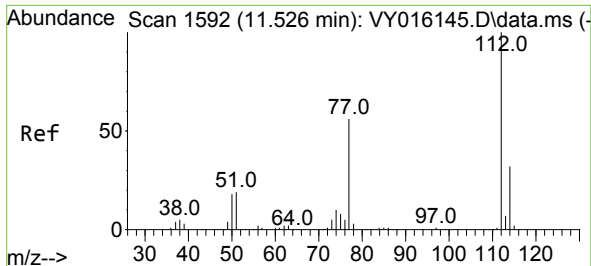
164 100

166 130.5 103.0 154.6

129 88.5 77.2 115.8

131 86.7 69.6 104.4

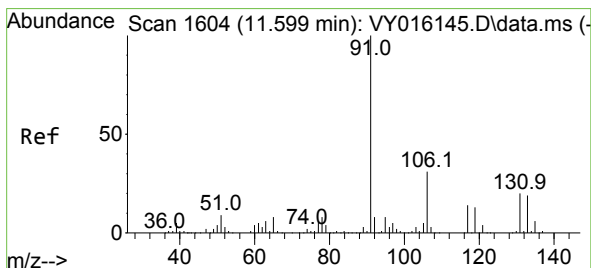
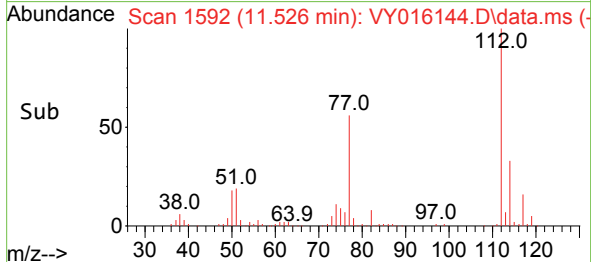
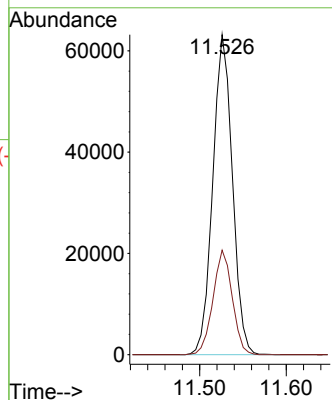
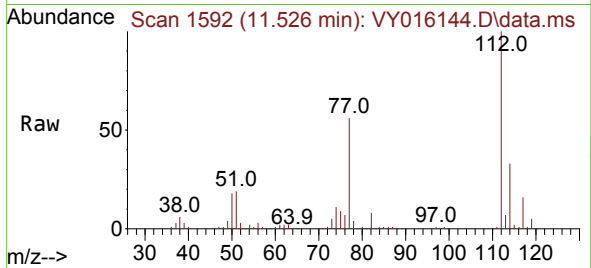




#65
Chlorobenzene
Concen: 20.018 ug/l
RT: 11.526 min Scan# 11592
Delta R.T. -0.000 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

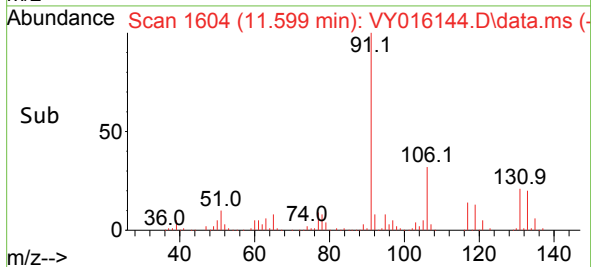
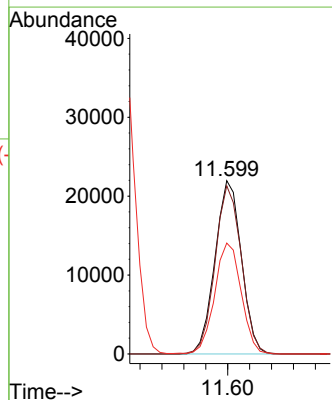
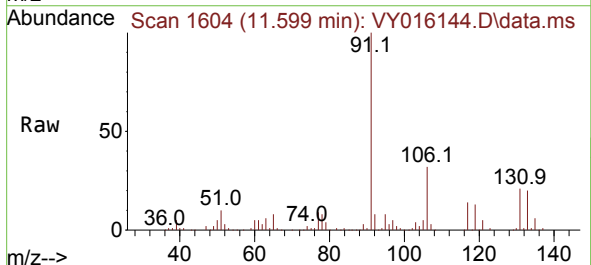
Instrument :
MSVOA_Y
ClientSampleId :

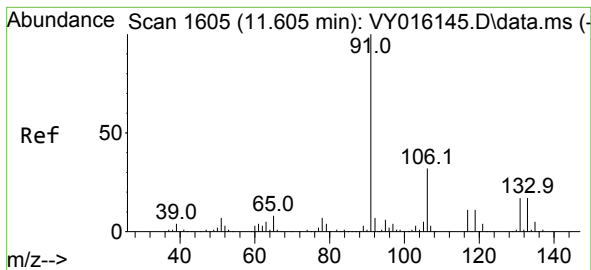
Tgt Ion:112 Resp: 99410
Ion Ratio Lower Upper
112 100
114 32.7 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 19.989 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. -0.000 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

Tgt Ion:131 Resp: 36767
Ion Ratio Lower Upper
131 100
133 96.4 47.5 142.6
119 64.4 31.6 94.7

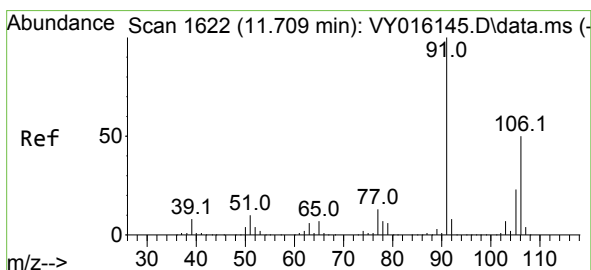
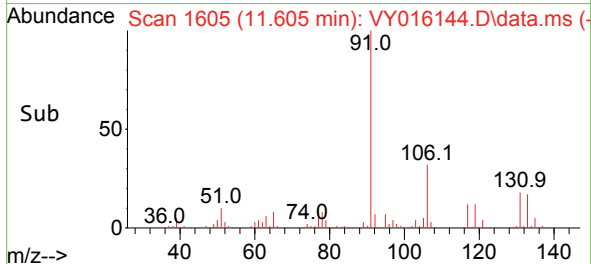
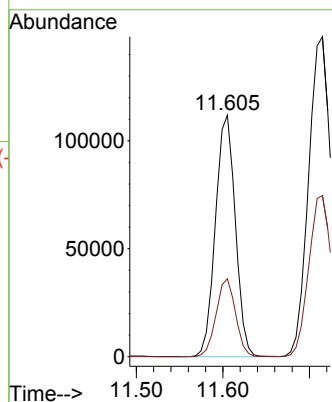
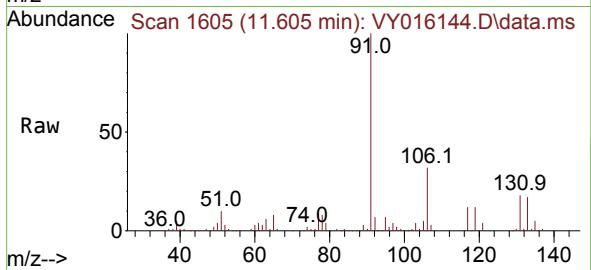




#67
Ethyl Benzene
Concen: 20.082 ug/l
RT: 11.605 min Scan# 1605
Delta R.T. -0.000 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

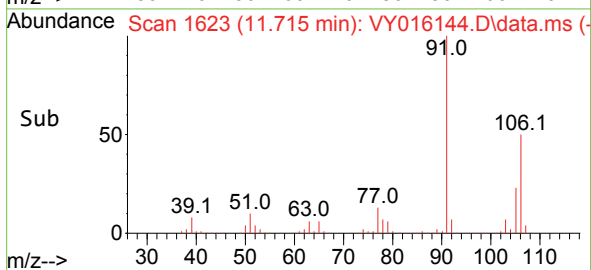
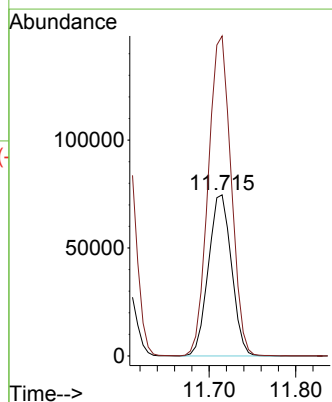
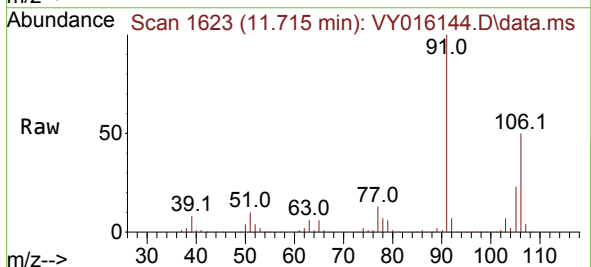
Instrument :
MSVOA_Y
ClientSampleId :

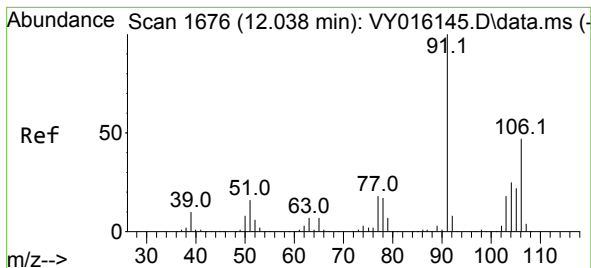
Tgt Ion: 91 Resp: 178369
Ion Ratio Lower Upper
91 100
106 32.3 24.6 36.8



#68
m/p-Xylenes
Concen: 40.249 ug/l
RT: 11.715 min Scan# 1623
Delta R.T. 0.006 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

Tgt Ion:106 Resp: 138144
Ion Ratio Lower Upper
106 100
91 196.9 166.1 249.1

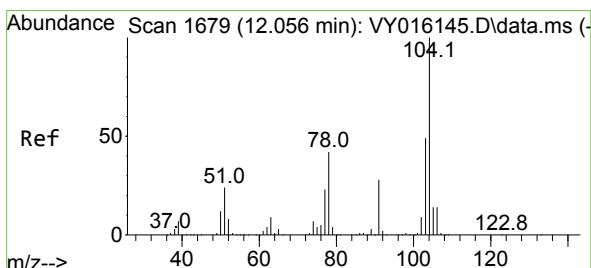
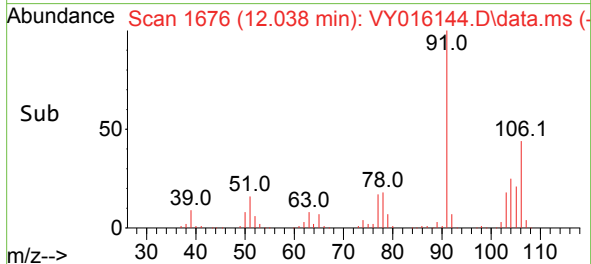
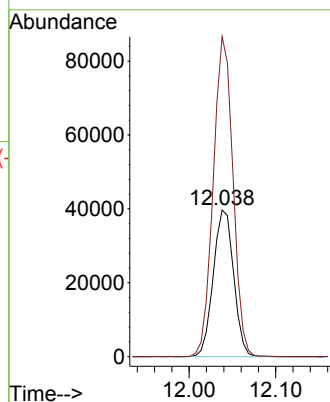
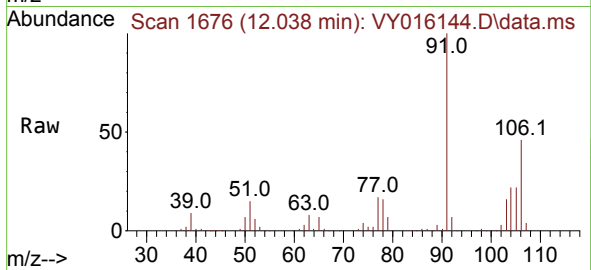




#69
o-Xylene
Concen: 19.804 ug/l
RT: 12.038 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

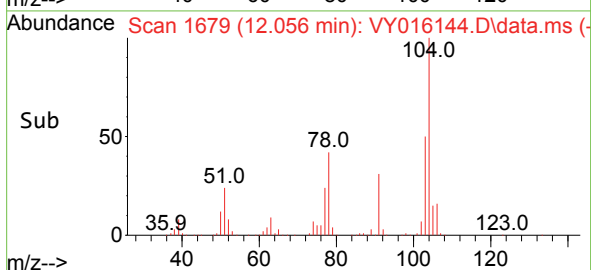
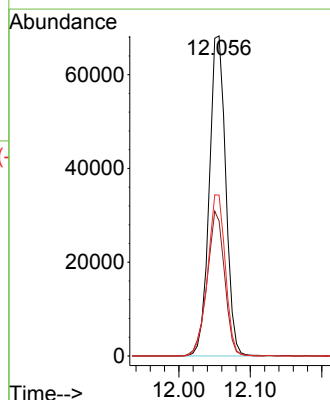
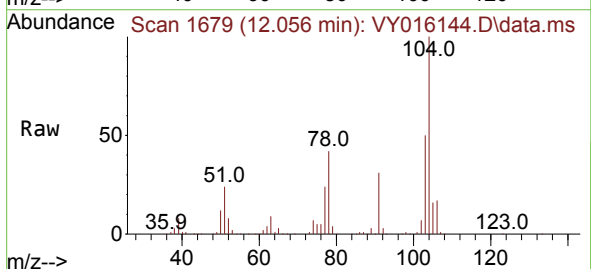
Instrument :
MSVOA_Y
ClientSampleId :

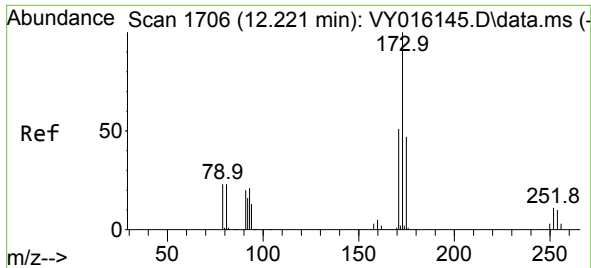
Tgt Ion:106 Resp: 64899
Ion Ratio Lower Upper
106 100
91 211.3 108.1 324.3



#70
Styrene
Concen: 20.056 ug/l
RT: 12.056 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

Tgt Ion:104 Resp: 109259
Ion Ratio Lower Upper
104 100
78 48.1 41.5 62.3
103 54.2 44.6 67.0

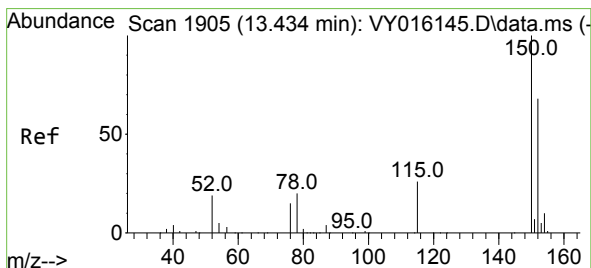
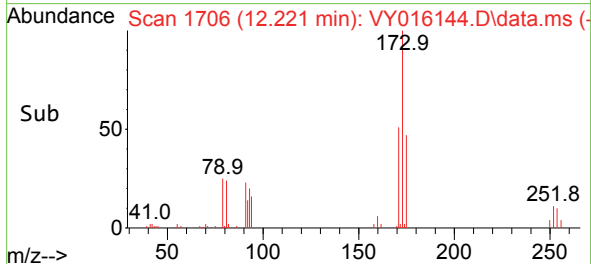
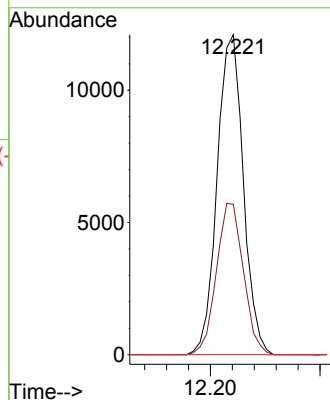
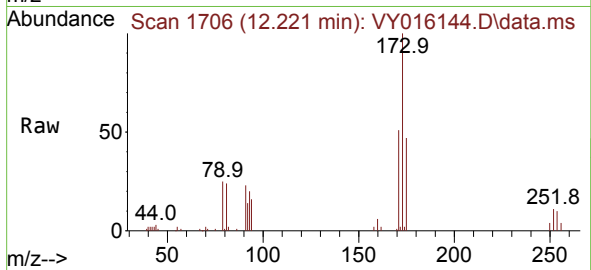




#71
Bromoform
Concen: 19.663 ug/l
RT: 12.221 min Scan# 1706
Delta R.T. -0.000 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

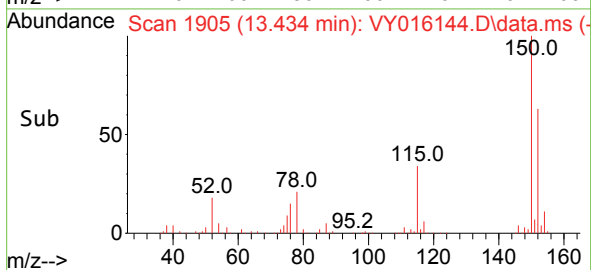
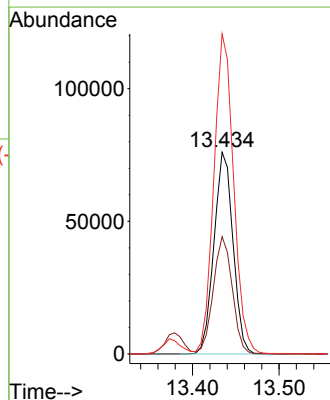
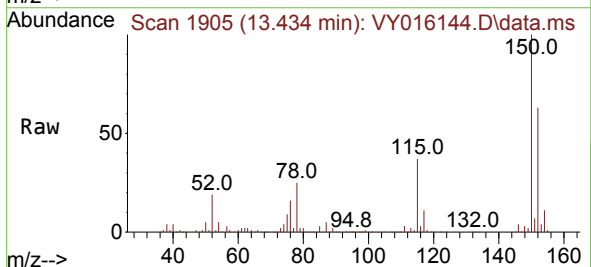
Instrument :
MSVOA_Y
ClientSampleId :

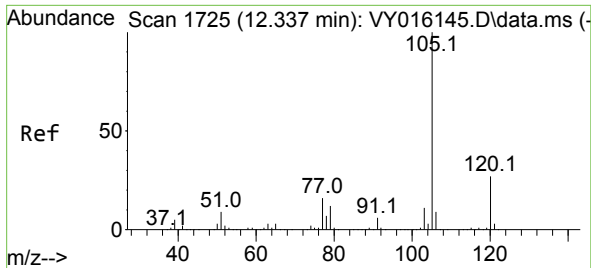
Tgt Ion:173 Resp: 20064
Ion Ratio Lower Upper
173 100
175 48.8 24.6 73.8
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. -0.000 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

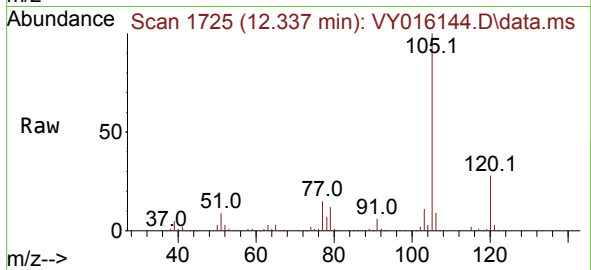
Tgt Ion:152 Resp: 116324
Ion Ratio Lower Upper
152 100
115 57.8 28.8 86.5
150 164.3 0.0 348.8



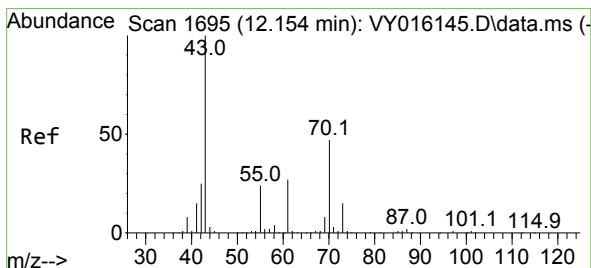
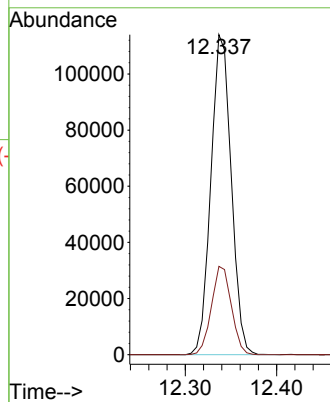
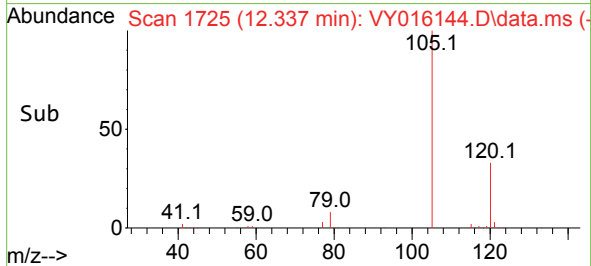


#73
Isopropylbenzene
Concen: 20.140 ug/l
RT: 12.337 min Scan# 1725
Delta R.T. -0.000 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

Instrument :
MSVOA_Y
ClientSampleId :

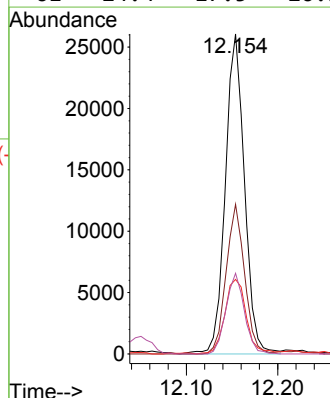
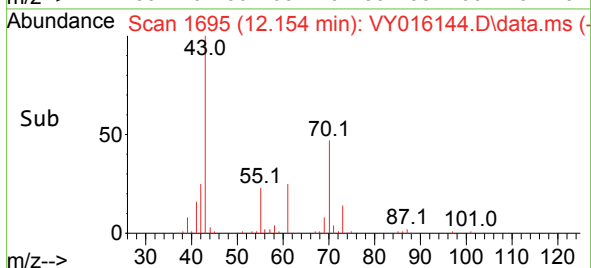
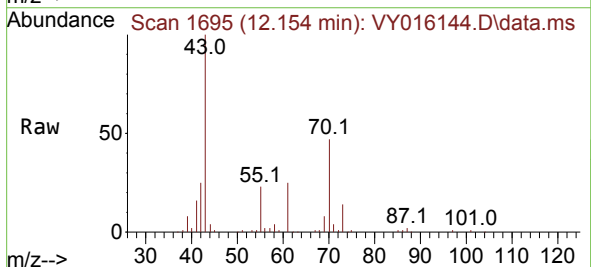


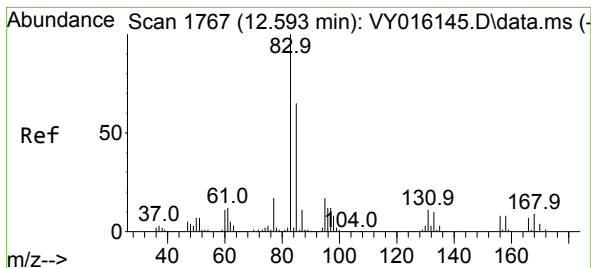
Tgt Ion:105 Resp: 175735
Ion Ratio Lower Upper
105 100
120 27.1 13.3 39.9



#74
N-ethyl acetate
Concen: 20.052 ug/l
RT: 12.154 min Scan# 1695
Delta R.T. -0.000 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

Tgt Ion: 43 Resp: 38021
Ion Ratio Lower Upper
43 100
70 45.1 29.7 44.5#
55 26.3 18.3 27.5
61 24.4 17.5 26.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.072 ug/l

RT: 12.593 min Scan# 1767

Delta R.T. -0.000 min

Lab File: VY016144.D

Acq: 31 Oct 2023 13:12

Instrument :

MSVOA_Y

ClientSampleId :

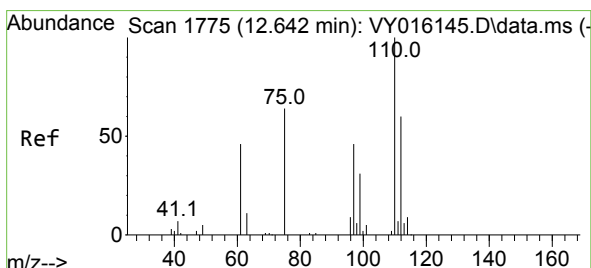
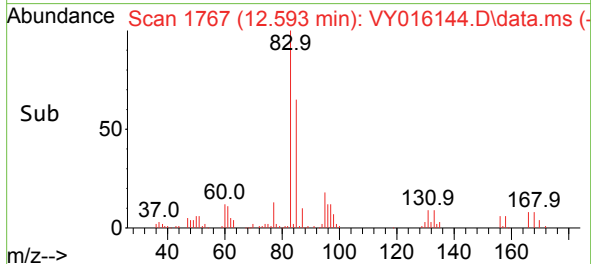
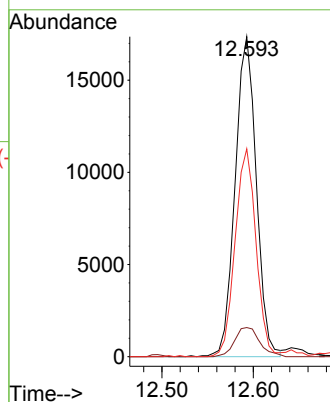
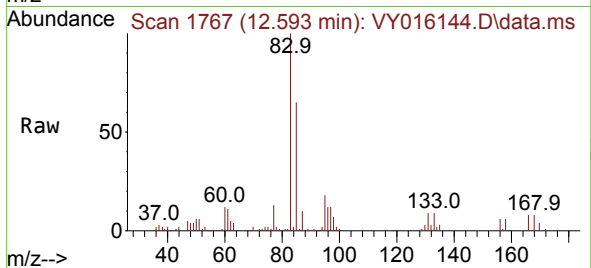
Tgt Ion: 83 Resp: 27870

Ion Ratio Lower Upper

83 100

131 10.8 5.4 16.2

85 64.3 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 31.740 ug/l

RT: 12.642 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VY016144.D

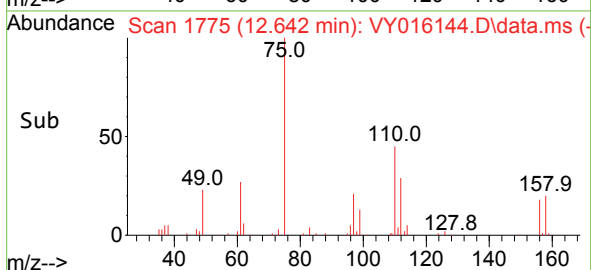
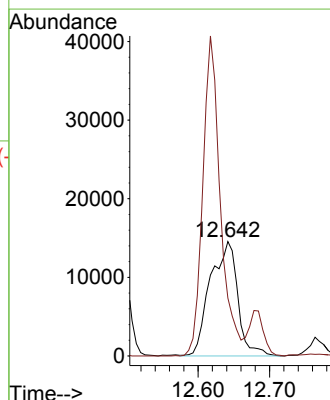
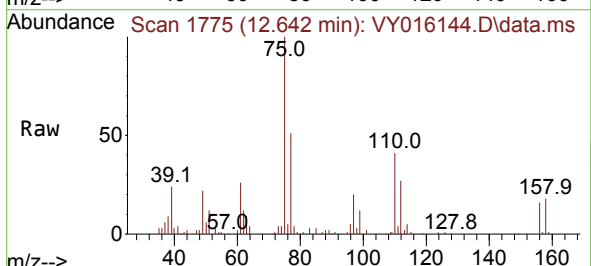
Acq: 31 Oct 2023 13:12

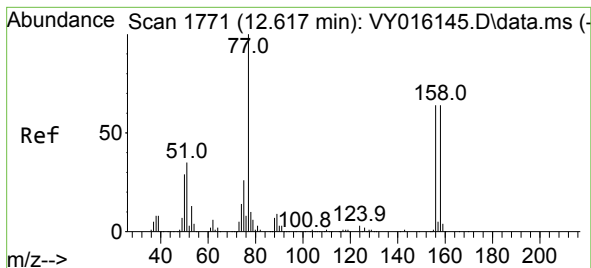
Tgt Ion: 75 Resp: 38962

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.837 ug/l

RT: 12.617 min Scan# 1771

Delta R.T. -0.000 min

Lab File: VY016144.D

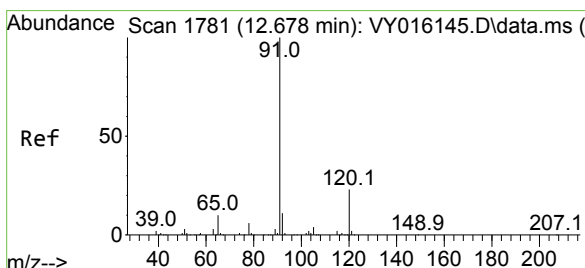
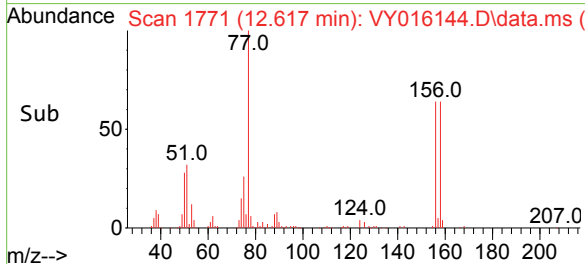
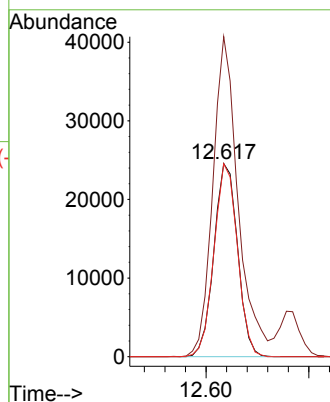
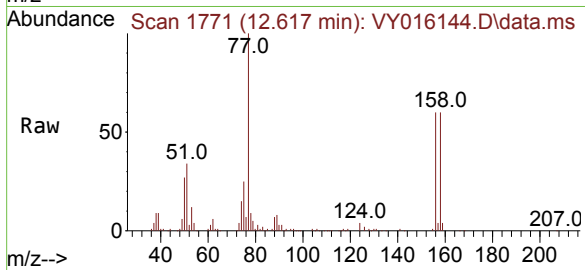
Acq: 31 Oct 2023 13:12

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	156	Resp:	39194
Ion	Ratio	Lower	Upper
156	100		
77	176.8	92.8	278.6
158	99.1	48.4	145.3



#78

n-propylbenzene

Concen: 20.110 ug/l

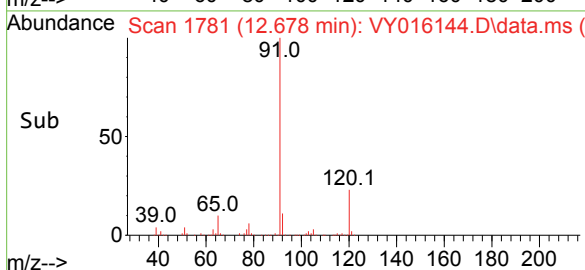
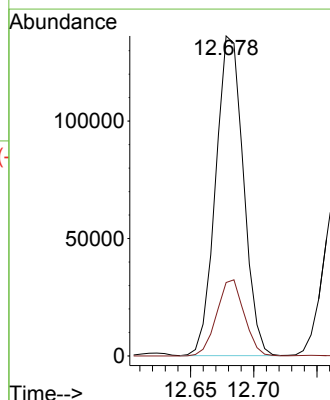
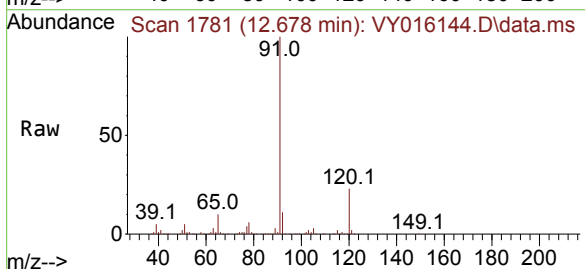
RT: 12.678 min Scan# 1781

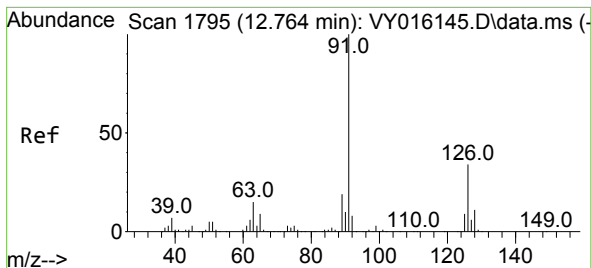
Delta R.T. -0.000 min

Lab File: VY016144.D

Acq: 31 Oct 2023 13:12

Tgt Ion:	91	Resp:	207460
Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.5	34.4





#79

2-Chlorotoluene

Concen: 20.368 ug/l

RT: 12.770 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY016144.D

Acq: 31 Oct 2023 13:12

Instrument :

MSVOA_Y

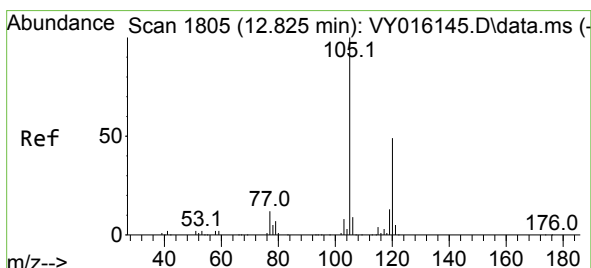
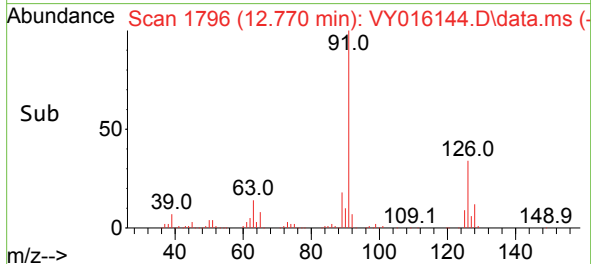
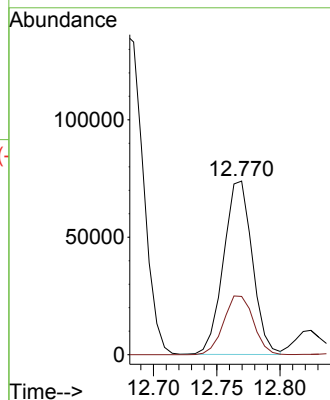
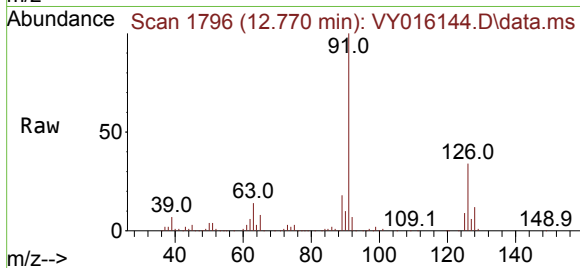
ClientSampleId :

Tgt Ion: 91 Resp: 117191

Ion Ratio Lower Upper

91 100

126 35.0 17.3 51.7



#80

1,3,5-Trimethylbenzene

Concen: 20.292 ug/l

RT: 12.825 min Scan# 1805

Delta R.T. -0.000 min

Lab File: VY016144.D

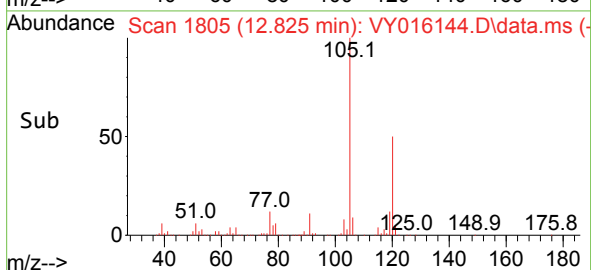
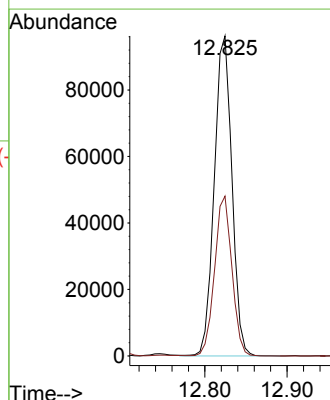
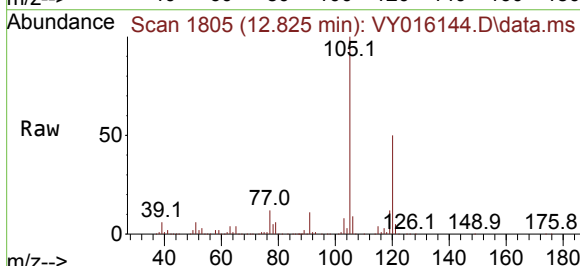
Acq: 31 Oct 2023 13:12

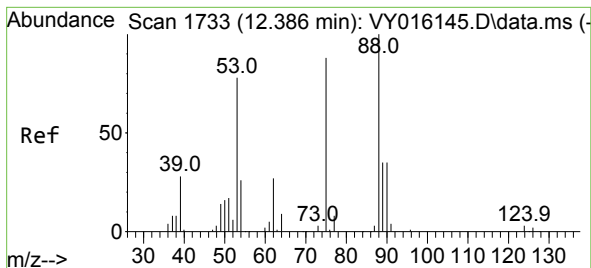
Tgt Ion:105 Resp: 143452

Ion Ratio Lower Upper

105 100

120 49.0 23.9 71.7

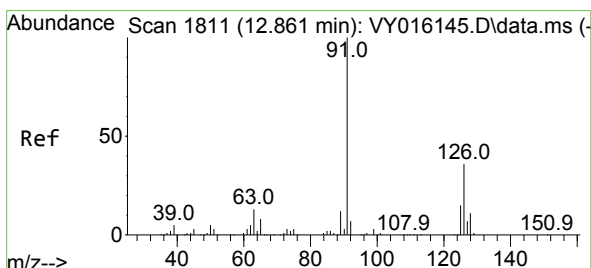
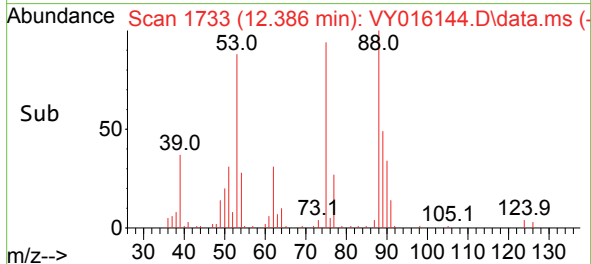
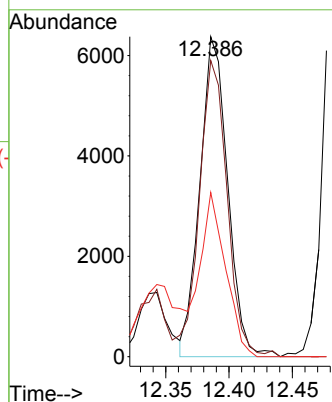
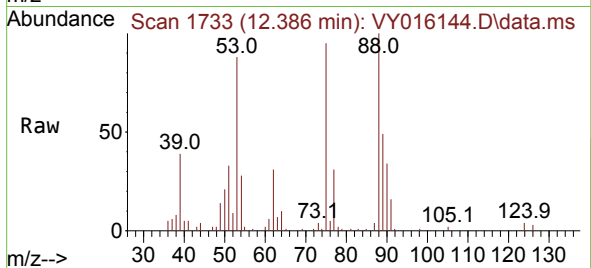




#81
trans-1,4-Dichloro-2-butene
Concen: 19.332 ug/l
RT: 12.386 min Scan# 1733
Delta R.T. -0.000 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

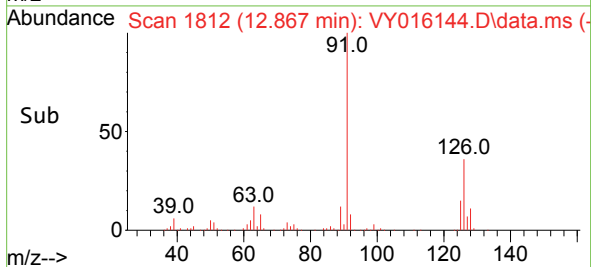
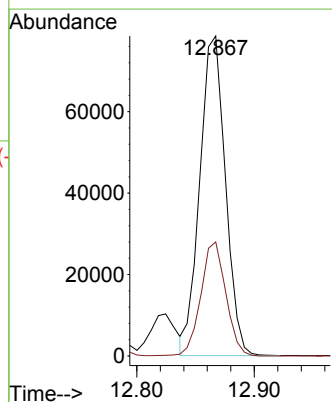
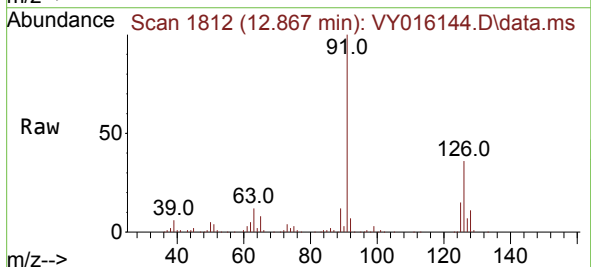
Instrument :
MSVOA_Y
ClientSampleId :

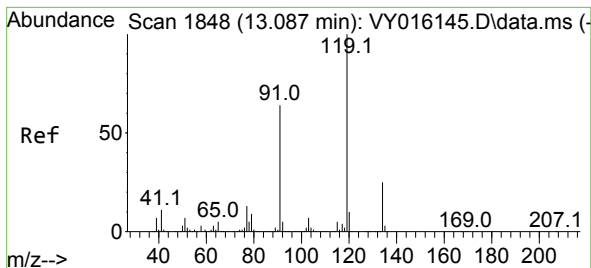
Tgt Ion: 75 Resp: 9767
Ion Ratio Lower Upper
75 100
53 92.9 77.8 116.8
89 46.5 37.4 56.0



#82
4-Chlorotoluene
Concen: 20.191 ug/l
RT: 12.867 min Scan# 1812
Delta R.T. 0.006 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

Tgt Ion: 91 Resp: 119295
Ion Ratio Lower Upper
91 100
126 34.9 17.2 51.6

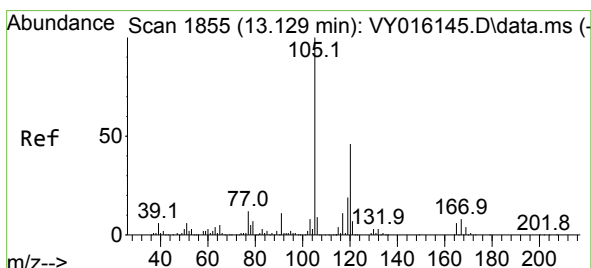
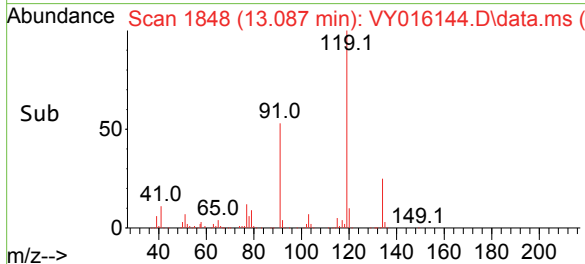
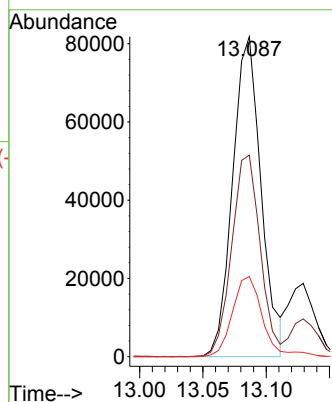
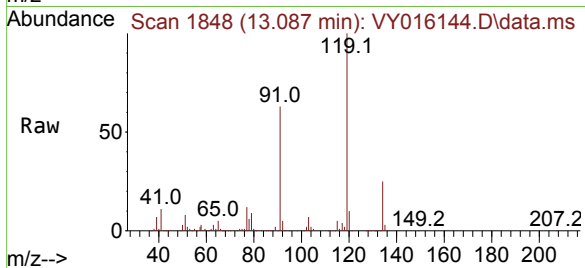




#83
tert-Butylbenzene
Concen: 20.274 ug/l
RT: 13.087 min Scan# 1848
Delta R.T. -0.000 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

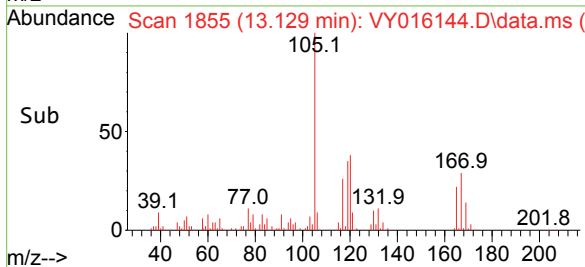
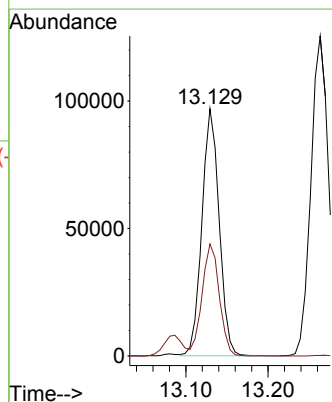
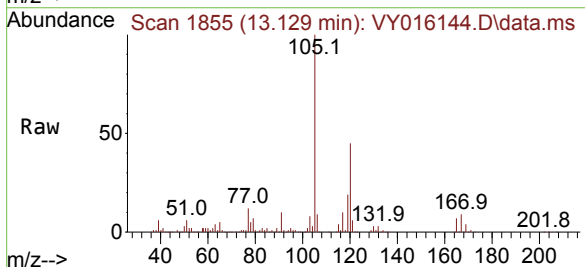
Instrument :
MSVOA_Y
ClientSampleId :

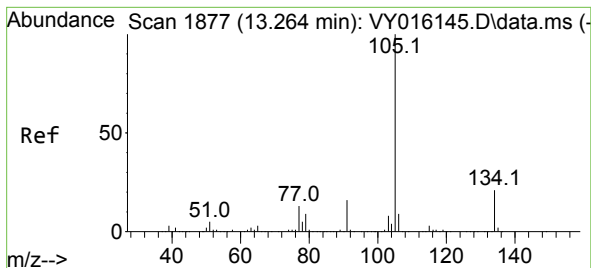
Tgt Ion:119 Resp: 128241
Ion Ratio Lower Upper
119 100
91 63.2 32.9 98.6
134 26.5 13.0 38.9



#84
1,2,4-Trimethylbenzene
Concen: 20.203 ug/l
RT: 13.129 min Scan# 1855
Delta R.T. -0.000 min
Lab File: VY016144.D
Acq: 31 Oct 2023 13:12

Tgt Ion:105 Resp: 141324
Ion Ratio Lower Upper
105 100
120 45.1 22.2 66.6





#85

sec-Butylbenzene

Concen: 20.258 ug/l

RT: 13.263 min Scan# 1877

Delta R.T. -0.000 min

Lab File: VY016144.D

Acq: 31 Oct 2023 13:12

Instrument :

MSVOA_Y

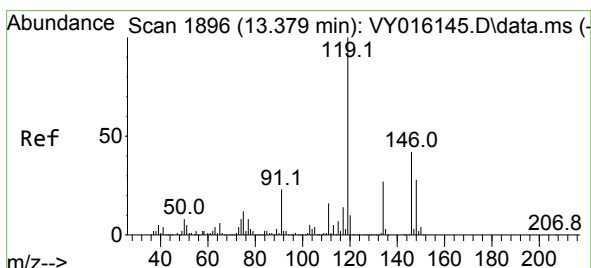
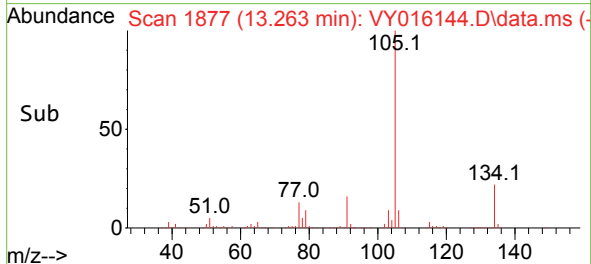
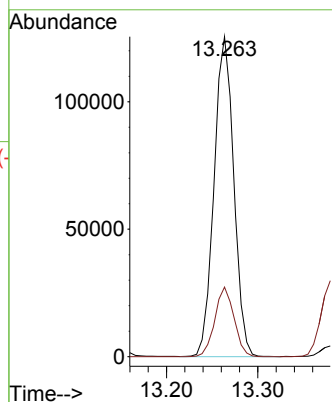
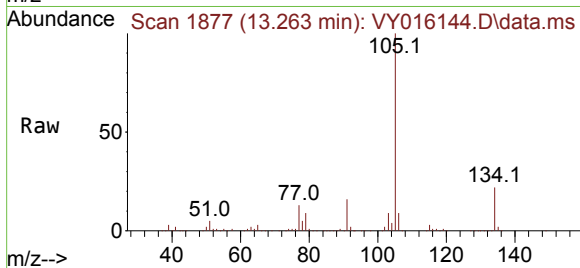
ClientSampleId :

Tgt Ion:105 Resp: 188074

Ion Ratio Lower Upper

105 100

134 21.2 10.2 30.6



#86

p-Isopropyltoluene

Concen: 20.300 ug/l

RT: 13.379 min Scan# 1896

Delta R.T. -0.000 min

Lab File: VY016144.D

Acq: 31 Oct 2023 13:12

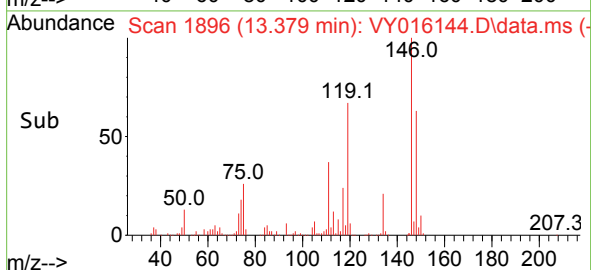
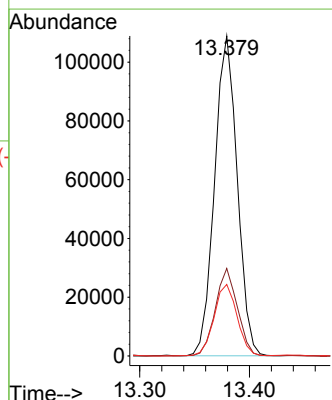
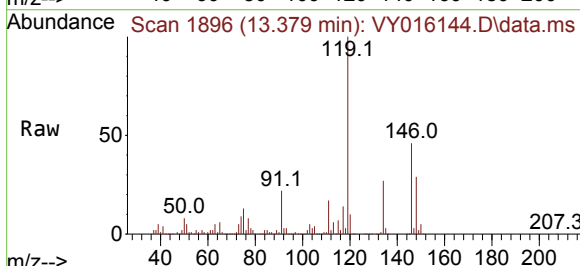
Tgt Ion:119 Resp: 156198

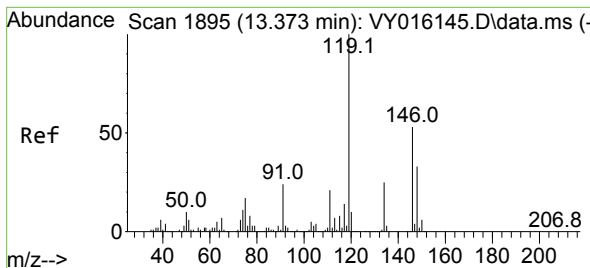
Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

91 22.9 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 19.969 ug/l

RT: 13.379 min Scan# 1895

Delta R.T. 0.006 min

Lab File: VY016144.D

Acq: 31 Oct 2023 13:12

Instrument :

MSVOA_Y

ClientSampleId :

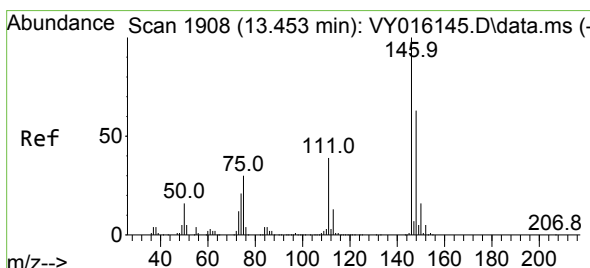
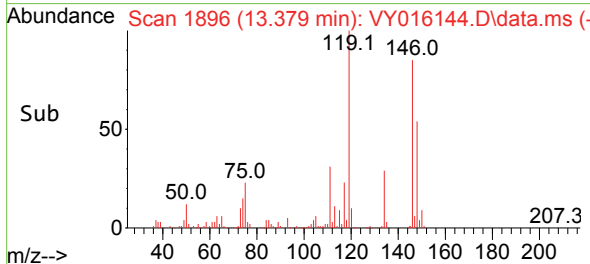
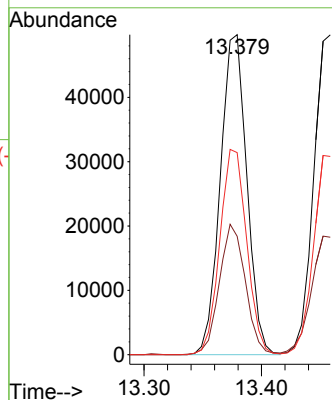
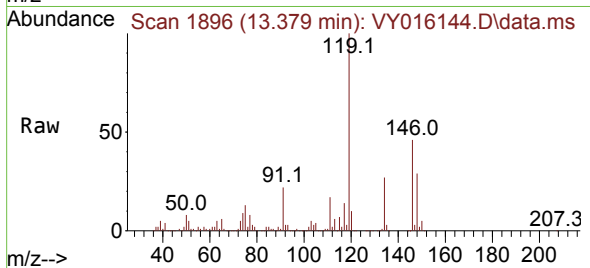
Tgt Ion:146 Resp: 78029

Ion Ratio Lower Upper

146 100

111 40.1 19.4 58.2

148 65.0 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 20.179 ug/l

RT: 13.459 min Scan# 1909

Delta R.T. 0.006 min

Lab File: VY016144.D

Acq: 31 Oct 2023 13:12

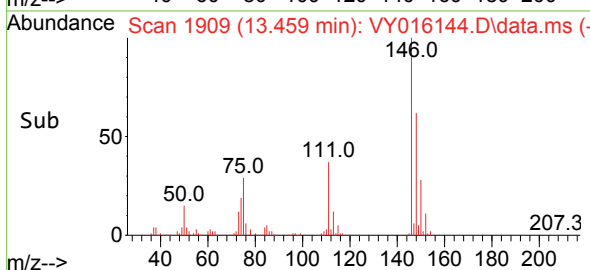
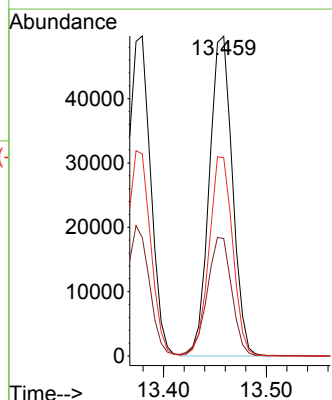
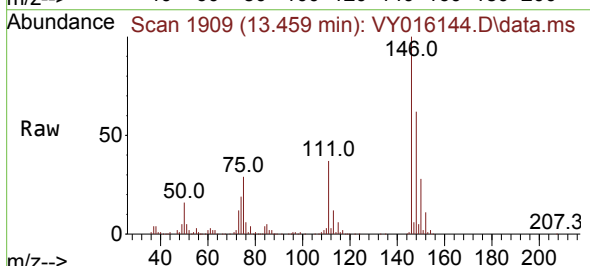
Tgt Ion:146 Resp: 77935

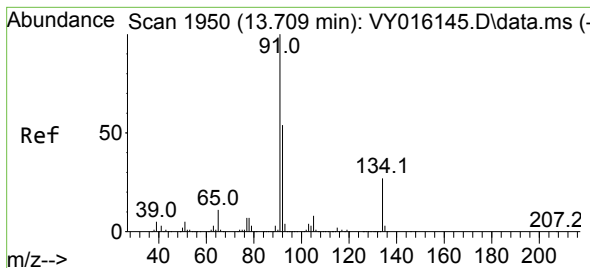
Ion Ratio Lower Upper

146 100

111 39.6 18.9 56.7

148 63.3 32.1 96.5





#89

n-Butylbenzene

Concen: 20.321 ug/l

RT: 13.702 min Scan# 1950

Delta R.T. -0.006 min

Lab File: VY016144.D

Acq: 31 Oct 2023 13:12

Instrument :

MSVOA_Y

ClientSampleId :

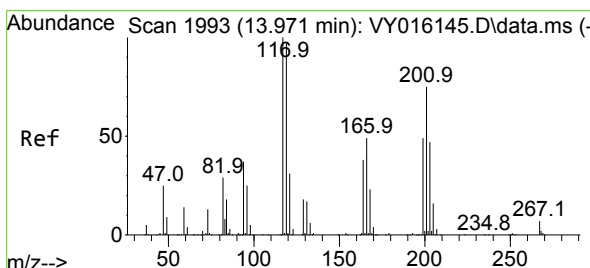
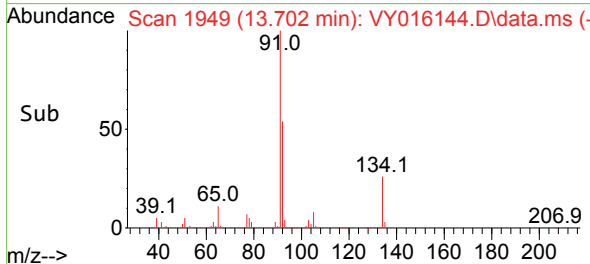
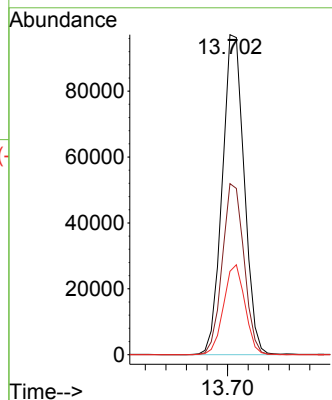
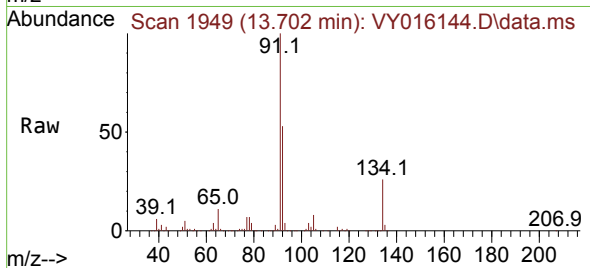
Tgt Ion: 91 Resp: 143668

Ion Ratio Lower Upper

91 100

92 53.0 25.4 76.0

134 27.4 12.6 37.6



#90

Hexachloroethane

Concen: 19.841 ug/l

RT: 13.971 min Scan# 1993

Delta R.T. -0.000 min

Lab File: VY016144.D

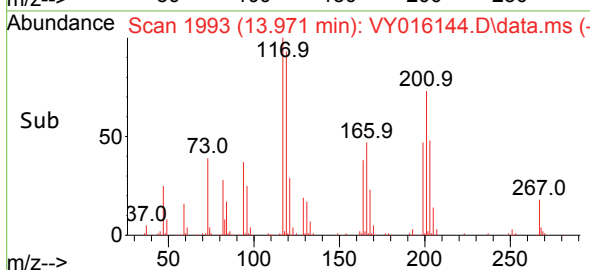
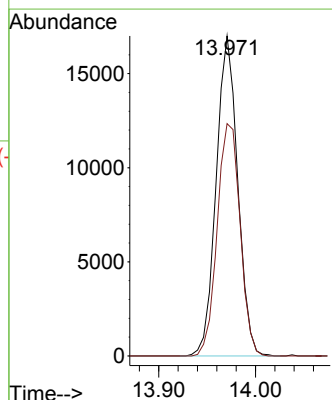
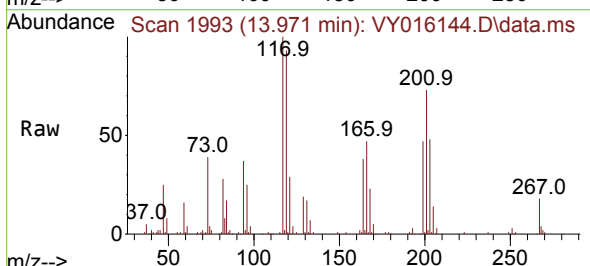
Acq: 31 Oct 2023 13:12

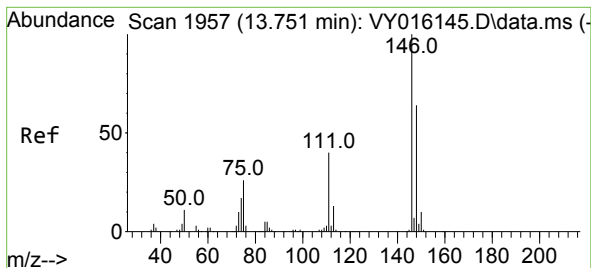
Tgt Ion: 117 Resp: 26308

Ion Ratio Lower Upper

117 100

201 77.0 41.6 124.8





#91

1,2-Dichlorobenzene

Concen: 20.039 ug/l

RT: 13.751 min Scan# 1957

Delta R.T. -0.000 min

Lab File: VY016144.D

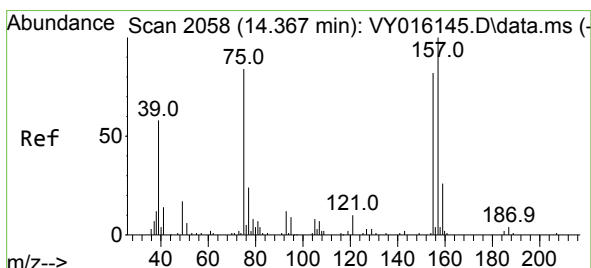
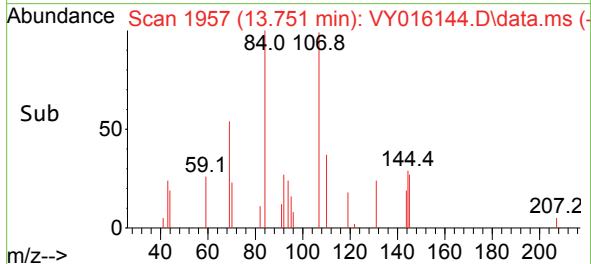
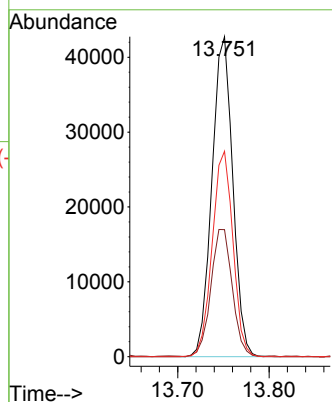
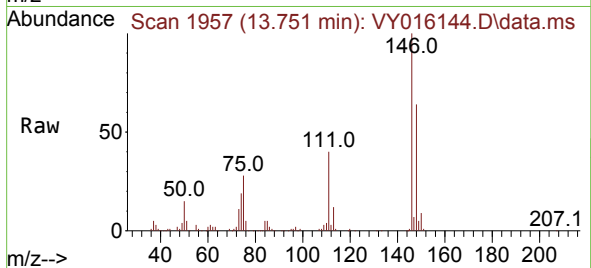
Acq: 31 Oct 2023 13:12

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	146	Resp:	67654
Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.7	59.0
148	63.9	32.0	96.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.244 ug/l

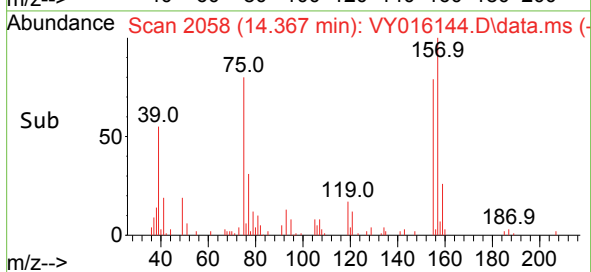
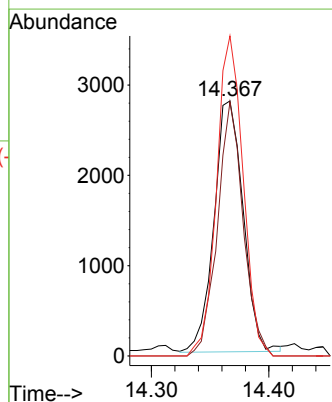
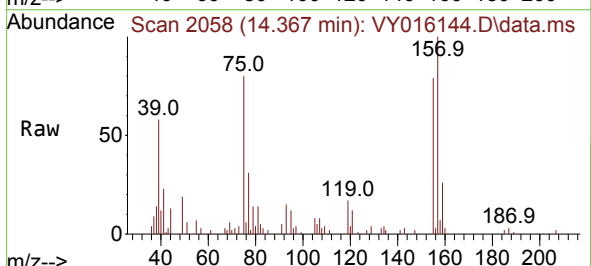
RT: 14.367 min Scan# 2058

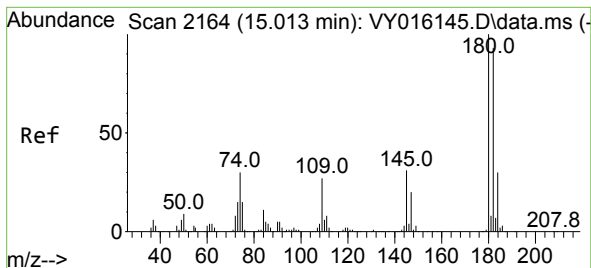
Delta R.T. -0.000 min

Lab File: VY016144.D

Acq: 31 Oct 2023 13:12

Tgt Ion:	75	Resp:	4782
Ion	Ratio	Lower	Upper
75	100		
155	89.7	41.5	124.6
157	116.0	51.8	155.5





#93

1,2,4-Trichlorobenzene

Concen: 20.325 ug/l

RT: 15.019 min Scan# 2165

Delta R.T. 0.006 min

Lab File: VY016144.D

Acq: 31 Oct 2023 13:12

Instrument :

MSVOA_Y

ClientSampleId :

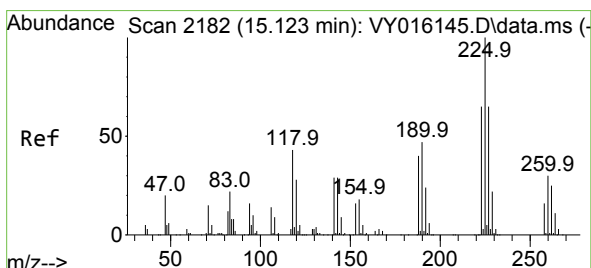
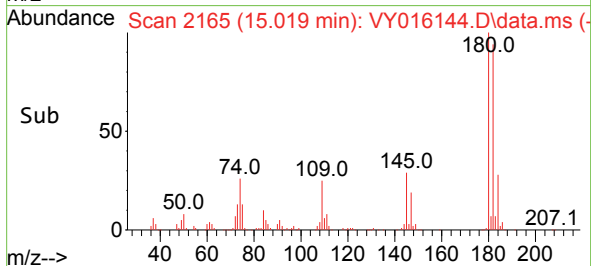
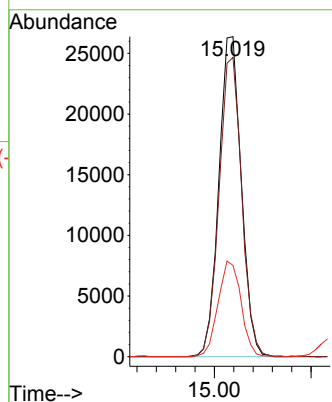
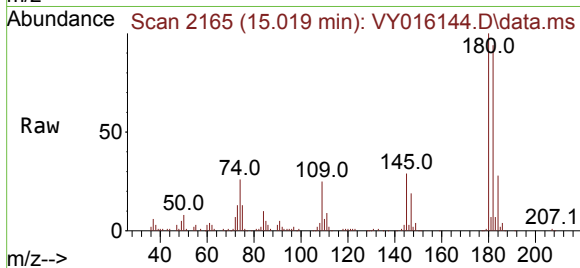
Tgt Ion:180 Resp: 42354

Ion Ratio Lower Upper

180 100

182 94.4 47.0 141.2

145 30.7 14.5 43.5



#94

Hexachlorobutadiene

Concen: 21.058 ug/l

RT: 15.117 min Scan# 2181

Delta R.T. -0.006 min

Lab File: VY016144.D

Acq: 31 Oct 2023 13:12

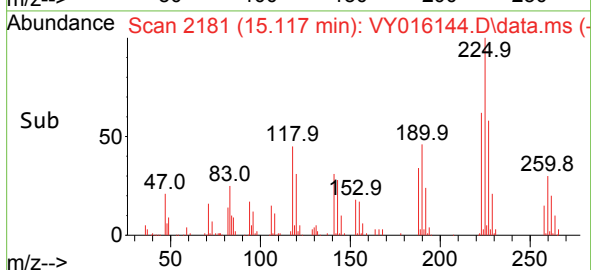
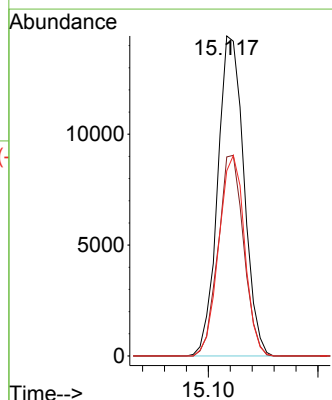
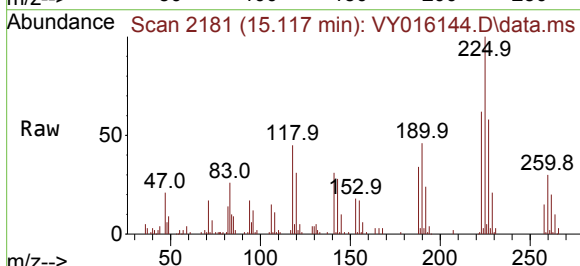
Tgt Ion:225 Resp: 23979

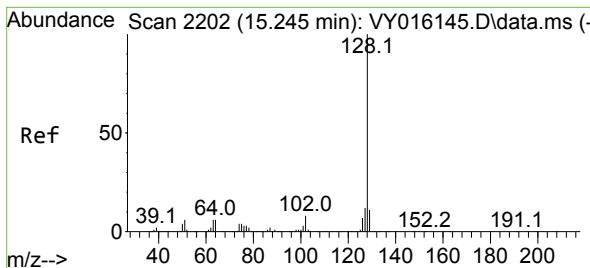
Ion Ratio Lower Upper

225 100

223 61.3 31.9 95.9

227 61.4 33.0 98.9





#95

Naphthalene

Concen: 19.610 ug/l

RT: 15.245 min Scan# 2202

Delta R.T. -0.000 min

Lab File: VY016144.D

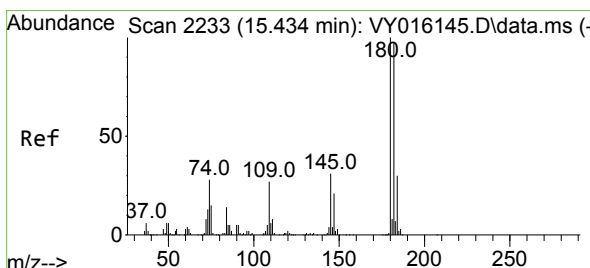
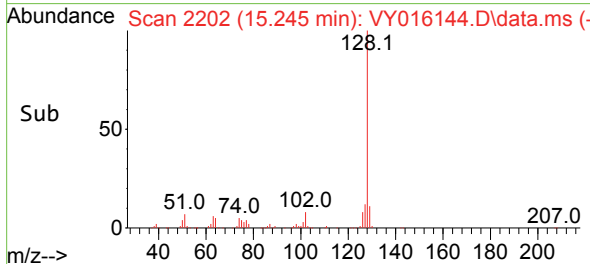
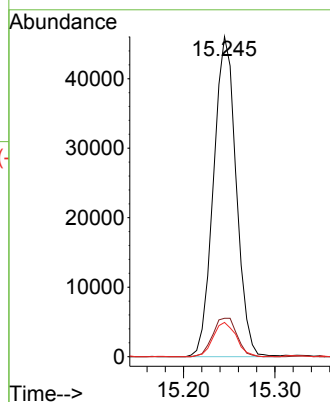
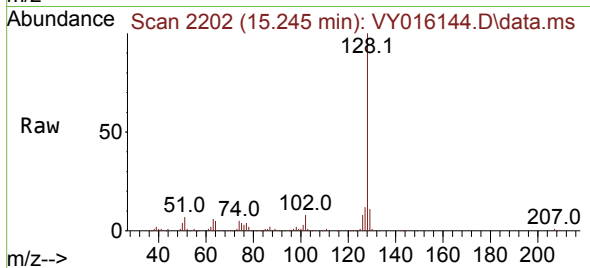
Acq: 31 Oct 2023 13:12

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	128	Resp:	79385
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.8	16.2
129	11.0	8.6	13.0



#96

1,2,3-Trichlorobenzene

Concen: 20.515 ug/l

RT: 15.434 min Scan# 2233

Delta R.T. -0.000 min

Lab File: VY016144.D

Acq: 31 Oct 2023 13:12

Tgt Ion:	180	Resp:	36519
Ion Ratio	Lower	Upper	
180	100		
182	93.1	47.3	141.8
145	31.3	15.4	46.2

