

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101823\
 Data File : VY016017.D
 Acq On : 18 Oct 2023 12:40
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 19 02:56:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 19 02:50:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	216315	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	350491	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	321693	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	164157	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	112853	45.902	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.800%
35) Dibromofluoromethane	7.722	113	106001	45.948	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.900%
50) Toluene-d8	10.185	98	384656	45.909	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.820%
62) 4-Bromofluorobenzene	12.483	95	138951	46.478	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.960%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	90939	50.866	ug/l	97
3) Chloromethane	2.107	50	114873	50.887	ug/l	98
4) Vinyl Chloride	2.247	62	126882	50.081	ug/l	96
5) Bromomethane	2.644	94	93069	50.359	ug/l	99
6) Chloroethane	2.790	64	84359	51.782	ug/l	98
7) Trichlorofluoromethane	3.119	101	187653	48.670	ug/l	100
8) Diethyl Ether	3.534	74	66928	49.133	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.893	101	107658	48.541	ug/l	96
10) Methyl Iodide	4.088	142	147588	50.962	ug/l	98
11) Tert butyl alcohol	4.966	59	87821	231.400	ug/l #	81
12) 1,1-Dichloroethene	3.869	96	102153	49.226	ug/l	91
13) Acrolein	3.729	56	69241	258.255	ug/l	98
14) Allyl chloride	4.479	41	160258	49.387	ug/l	95
15) Acrylonitrile	5.167	53	205456	252.825	ug/l	99
16) Acetone	3.948	43	233184	255.864	ug/l	92
17) Carbon Disulfide	4.192	76	299432	49.253	ug/l	99
18) Methyl Acetate	4.479	43	162707	51.871	ug/l	91
19) Methyl tert-butyl Ether	5.222	73	339443	50.703	ug/l	98
20) Methylene Chloride	4.716	84	121041	44.707	ug/l	89
21) trans-1,2-Dichloroethene	5.222	96	119817	49.581	ug/l	94
22) Diisopropyl ether	6.125	45	361467	51.158	ug/l #	90
23) Vinyl Acetate	6.064	43	1127374	257.219	ug/l #	93
24) 1,1-Dichloroethane	6.021	63	207047	49.394	ug/l	97
25) 2-Butanone	6.990	43	316320	253.396	ug/l	94
26) 2,2-Dichloropropane	6.978	77	181567	48.142	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	138236	49.669	ug/l	93
28) Bromochloromethane	7.338	49	94652	52.798	ug/l	90
29) Tetrahydrofuran	7.350	42	196746	260.381	ug/l	90
30) Chloroform	7.508	83	223253	49.673	ug/l	97
31) Cyclohexane	7.789	56	182803	47.504	ug/l	88
32) 1,1,1-Trichloroethane	7.704	97	200469	49.851	ug/l	98
36) 1,1-Dichloropropene	7.923	75	170279	49.060	ug/l	99
37) Ethyl Acetate	7.076	43	124386	49.717	ug/l #	94
38) Carbon Tetrachloride	7.905	117	179729	48.720	ug/l	98
39) Methylcyclohexane	9.185	83	212857	49.073	ug/l	94
40) Benzene	8.161	78	481704	49.243	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.350	41	175178	139.064	ug/l	# 28
42) 1,2-Dichloroethane	8.240	62	155490	49.345	ug/l	94
43) Isopropyl Acetate	8.277	43	223625	51.124	ug/l	95
44) Trichloroethene	8.941	130	132996	48.489	ug/l	96
45) 1,2-Dichloropropane	9.216	63	119996	49.015	ug/l	97
46) Dibromomethane	9.307	93	81344	50.049	ug/l	97
47) Bromodichloromethane	9.496	83	176975	49.682	ug/l	98
48) Methyl methacrylate	9.295	41	102853	51.657	ug/l	88
49) 1,4-Dioxane	9.307	88	28578	1104.262	ug/l	# 67
51) 4-Methyl-2-Pentanone	10.069	43	647186	257.290	ug/l	91
52) Toluene	10.246	92	318837	50.251	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	195481	50.658	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	210580	50.062	ug/l	91
55) 1,1,2-Trichloroethane	10.648	97	111898	50.114	ug/l	96
56) Ethyl methacrylate	10.514	69	170494	52.248	ug/l	# 86
57) 1,3-Dichloropropane	10.788	76	190395	50.264	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	401675	256.273	ug/l	94
59) 2-Hexanone	10.831	43	495939	259.143	ug/l	90
60) Dibromochloromethane	10.983	129	134949	49.974	ug/l	98
61) 1,2-Dibromoethane	11.093	107	114295	50.298	ug/l	99
64) Tetrachloroethene	10.721	164	120768	48.414	ug/l	98
65) Chlorobenzene	11.520	112	344249	49.412	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	128758	49.033	ug/l	98
67) Ethyl Benzene	11.593	91	613647	49.776	ug/l	99
68) m/p-Xylenes	11.703	106	479754	99.797	ug/l	95
69) o-Xylene	12.032	106	228375	49.936	ug/l	97
70) Styrene	12.044	104	389865	50.017	ug/l	96
71) Bromoform	12.209	173	94308	51.039	ug/l	# 99
73) Isopropylbenzene	12.331	105	604450	49.224	ug/l	99
74) N-amyl acetate	12.142	43	198279	51.122	ug/l	# 90
75) 1,1,2,2-Tetrachloroethane	12.581	83	151523	49.267	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	195309	84.346	ug/l	# 100
77) Bromobenzene	12.611	156	146298	49.085	ug/l	98
78) n-propylbenzene	12.672	91	730253	49.373	ug/l	99
79) 2-Chlorotoluene	12.758	91	409249	49.296	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	504597	49.611	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	53722	50.454	ug/l	93
82) 4-Chlorotoluene	12.855	91	431415	49.792	ug/l	100
83) tert-Butylbenzene	13.075	119	444253	49.812	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	506521	50.150	ug/l	98
85) sec-Butylbenzene	13.251	105	664679	49.900	ug/l	100
86) p-Isopropyltoluene	13.367	119	559662	50.278	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	286721	49.443	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	286732	49.109	ug/l	99
89) n-Butylbenzene	13.696	91	519096	50.093	ug/l	97
90) Hexachloroethane	13.959	117	104815	49.395	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	263325	49.457	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	28267	48.283	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	169160	49.872	ug/l	99
94) Hexachlorobutadiene	15.111	225	89698	48.688	ug/l	99
95) Naphthalene	15.233	128	422155	50.709	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	155452	50.175	ug/l	99

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QLast Update : Thu Oct 19 02:50:45 2023
Response via : Initial Calibration

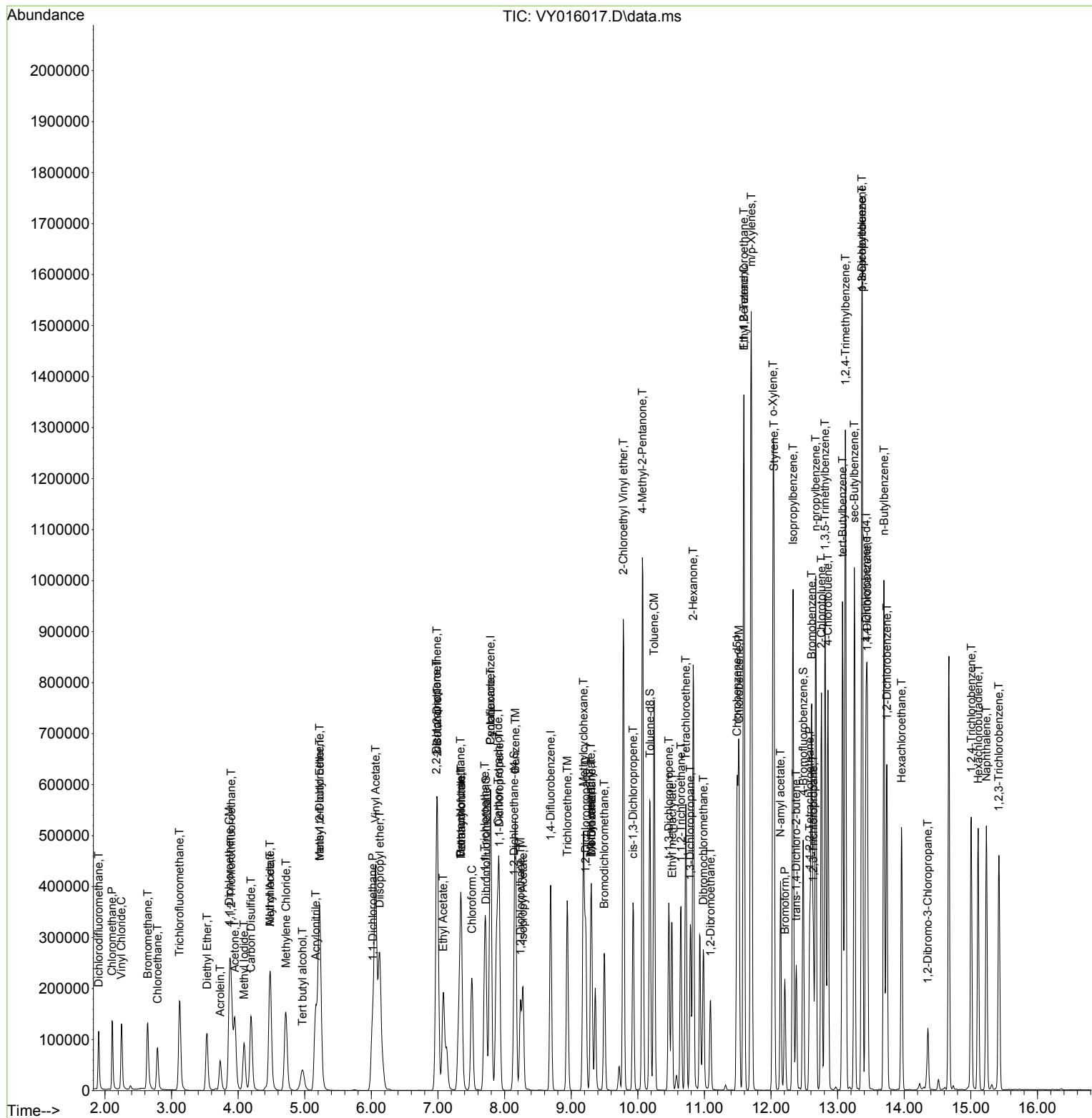
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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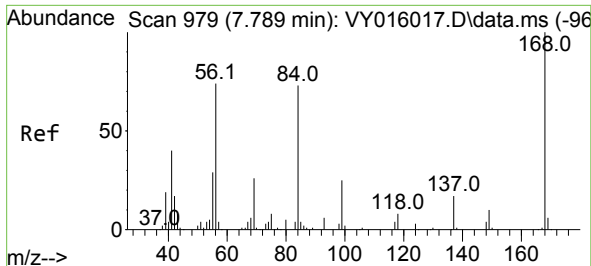
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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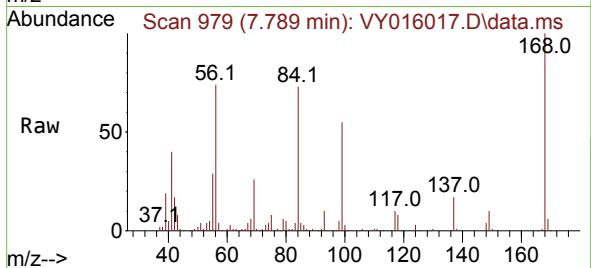
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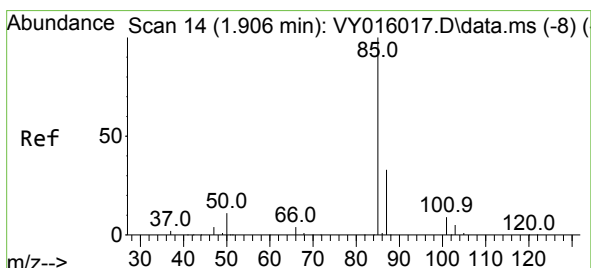
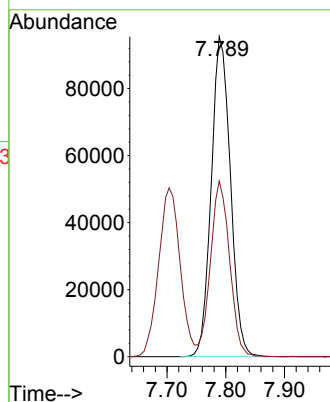
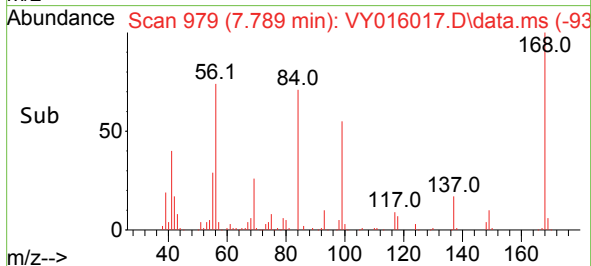


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY016017.D
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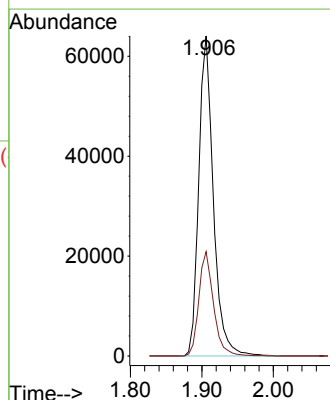
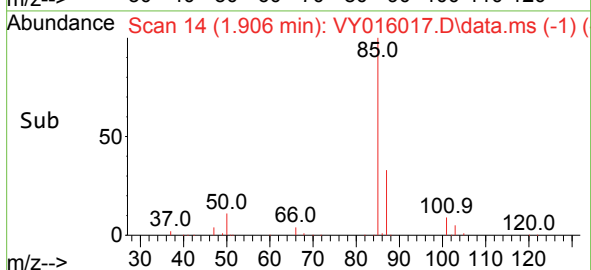
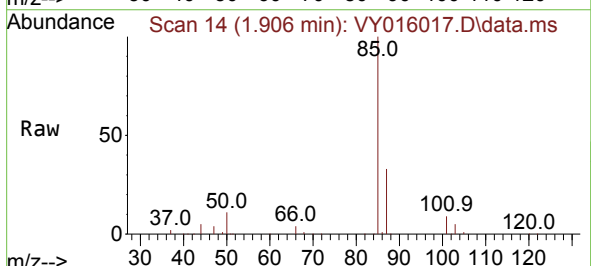


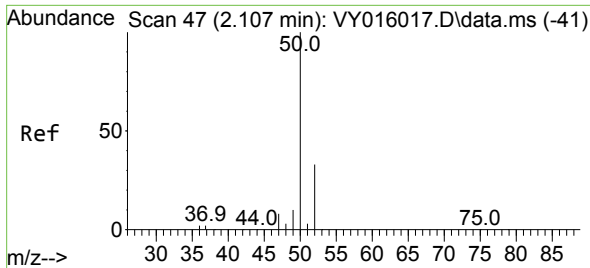
Tgt Ion:168 Resp: 216315
Ion Ratio Lower Upper
168 100
99 54.9 43.4 65.0



#2
Dichlorodifluoromethane
Concen: 50.866 ug/l
RT: 1.906 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY016017.D
Acq: 18 Oct 2023 12:40

Tgt Ion: 85 Resp: 90939
Ion Ratio Lower Upper
85 100
87 32.6 15.6 46.8

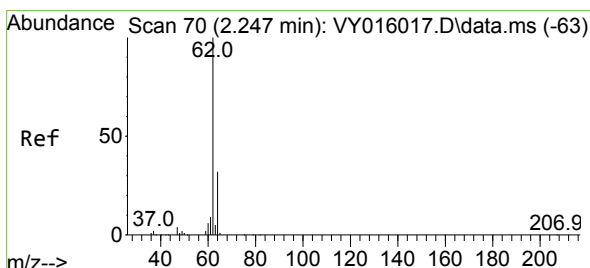
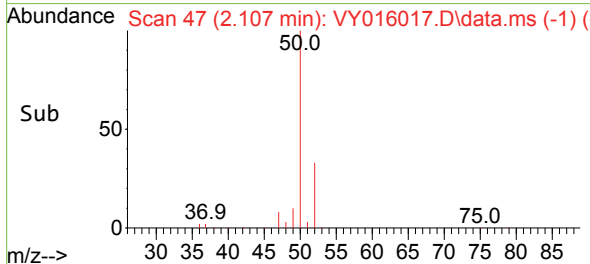
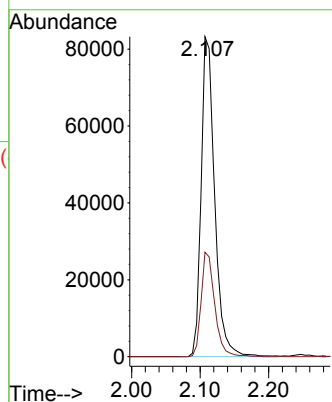
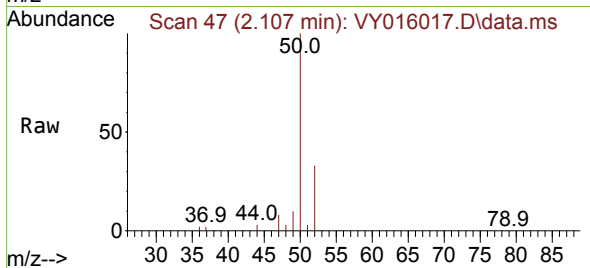




#3
Chloromethane
Concen: 50.887 ug/l
RT: 2.107 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY016017.D
Acq: 18 Oct 2023 12:40

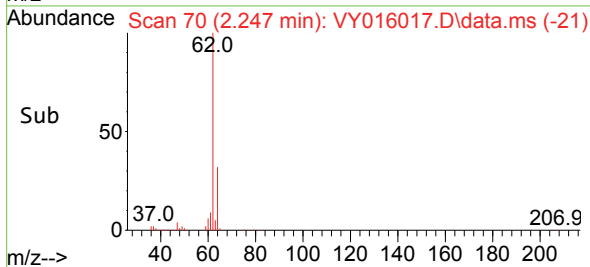
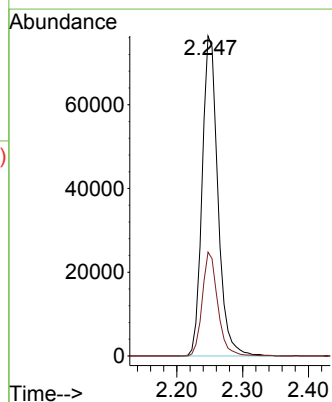
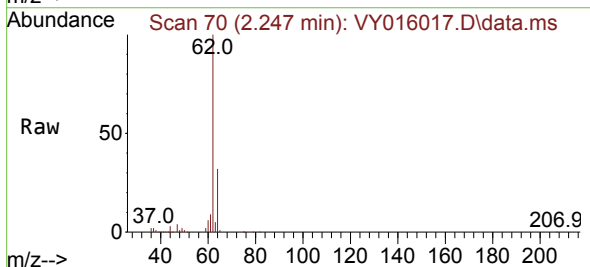
Instrument :
MSVOA_Y
ClientSampleId :

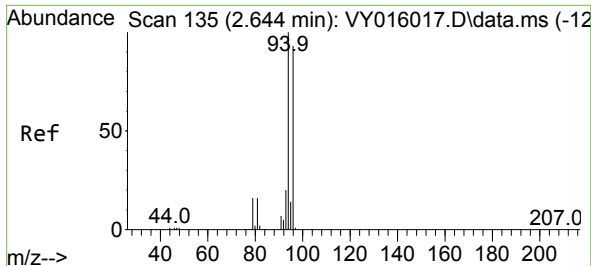
Tgt Ion: 50 Resp: 114873
Ion Ratio Lower Upper
50 100
52 32.6 25.4 38.2



#4
Vinyl Chloride
Concen: 50.081 ug/l
RT: 2.247 min Scan# 70
Delta R.T. 0.000 min
Lab File: VY016017.D
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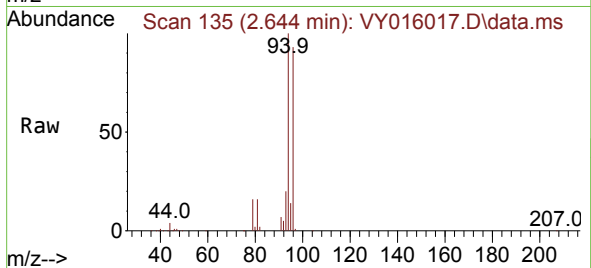
Tgt Ion: 62 Resp: 126882
Ion Ratio Lower Upper
62 100
64 32.5 24.3 36.5



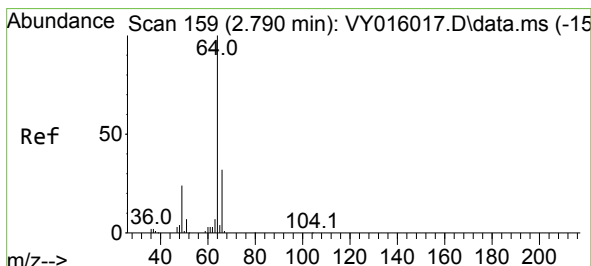
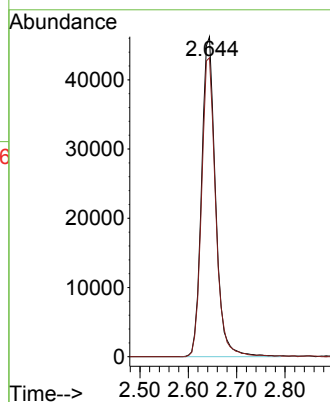
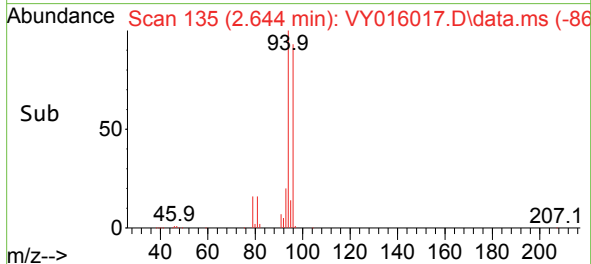


#5
Bromomethane
Concen: 50.359 ug/l
RT: 2.644 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY016017.D
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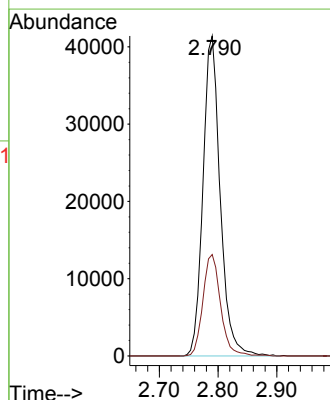
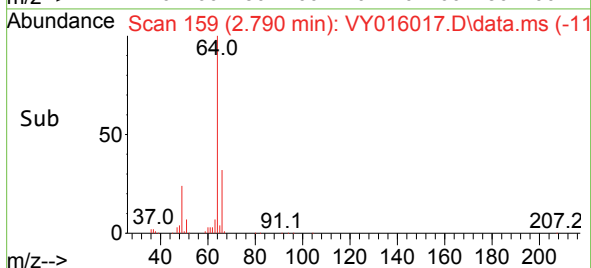
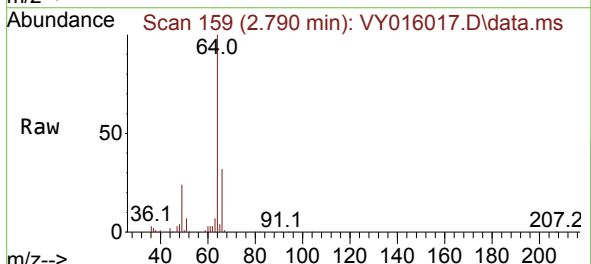


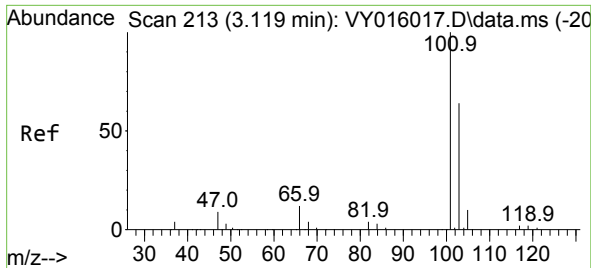
Tgt Ion: 94 Resp: 93069
Ion Ratio Lower Upper
94 100
96 93.4 75.8 113.6



#6
Chloroethane
Concen: 51.782 ug/l
RT: 2.790 min Scan# 159
Delta R.T. 0.000 min
Lab File: VY016017.D
Acq: 18 Oct 2023 12:40

Tgt Ion: 64 Resp: 84359
Ion Ratio Lower Upper
64 100
66 31.7 24.4 36.6

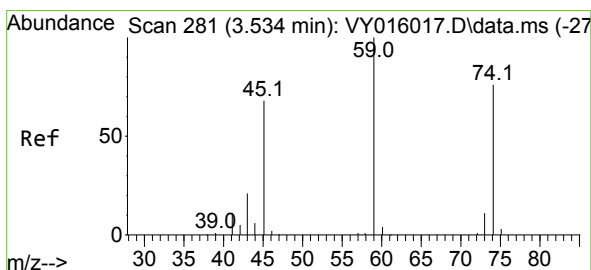
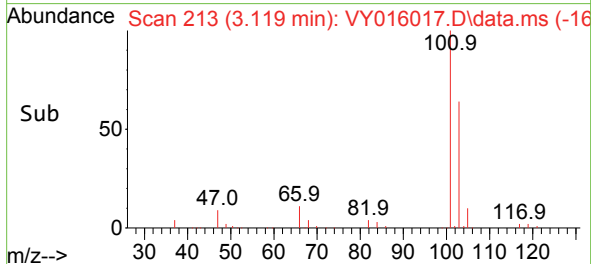
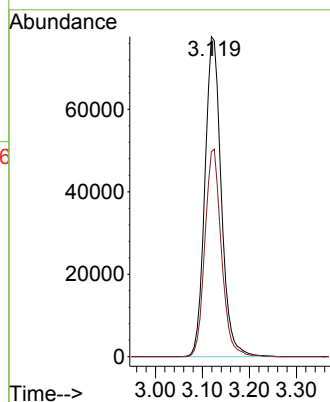
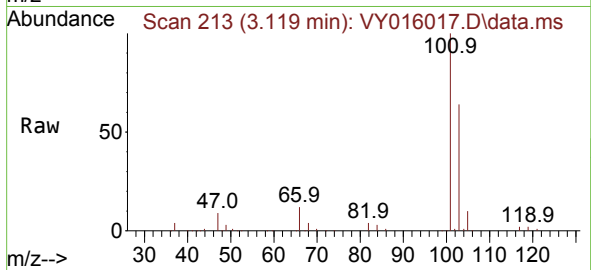




#7
 Trichlorofluoromethane
 Concen: 48.670 ug/l
 RT: 3.119 min Scan# 213
 Delta R.T. 0.000 min
 Lab File: VY016017.D
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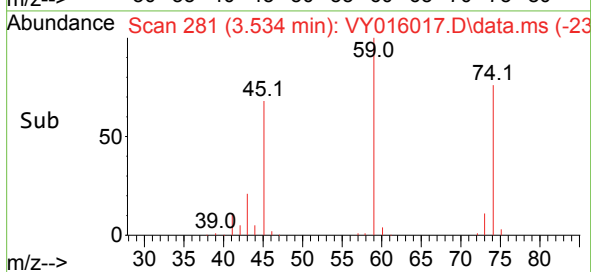
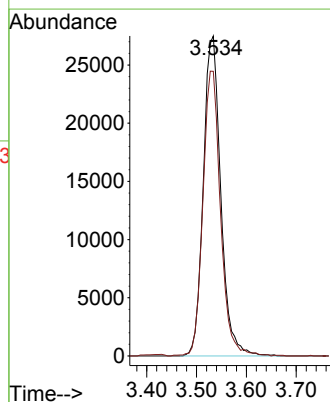
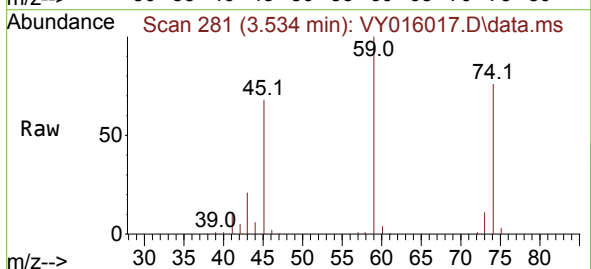
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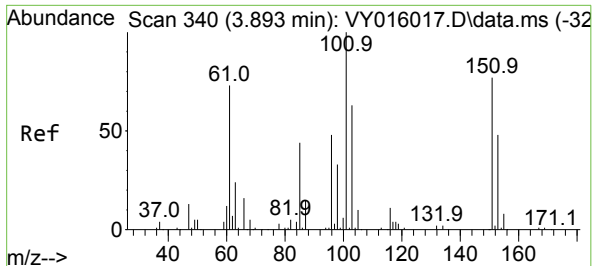
Tgt Ion:101 Resp: 187653
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.4 77.0



#8
 Diethyl Ether
 Concen: 49.133 ug/l
 RT: 3.534 min Scan# 281
 Delta R.T. 0.000 min
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Tgt Ion: 74 Resp: 66928
 Ion Ratio Lower Upper
 74 100
 45 89.7 51.5 154.5

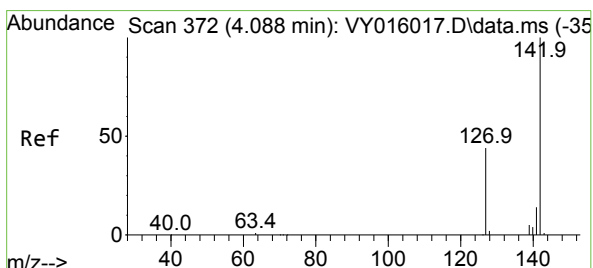
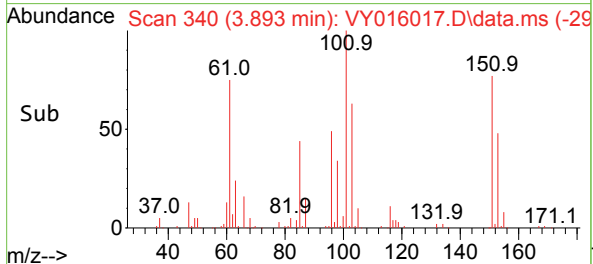
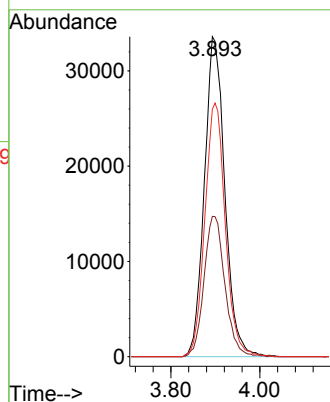
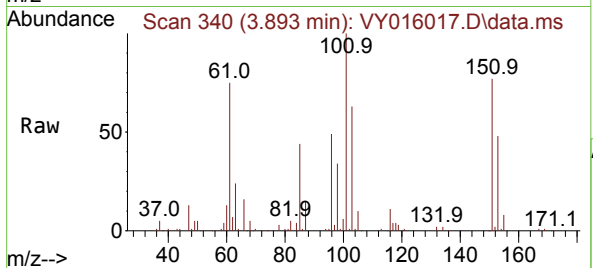




#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.541 ug/l
RT: 3.893 min Scan# 340
Delta R.T. 0.000 min
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Acq: 18 Oct 2023 12:40

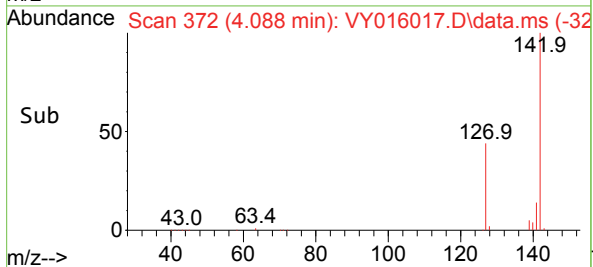
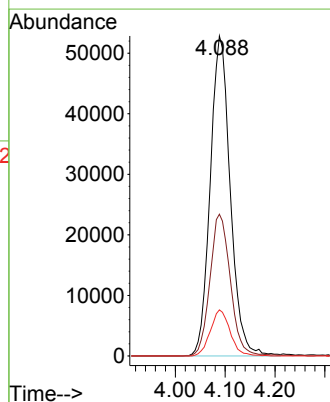
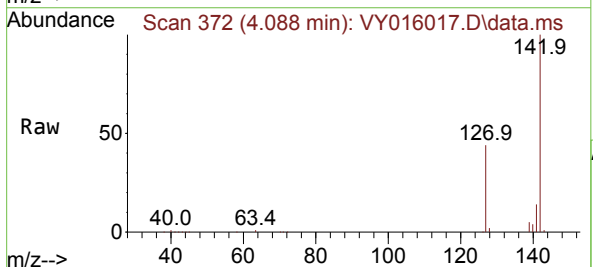
Instrument :
MSVOA_Y
ClientSampleId :

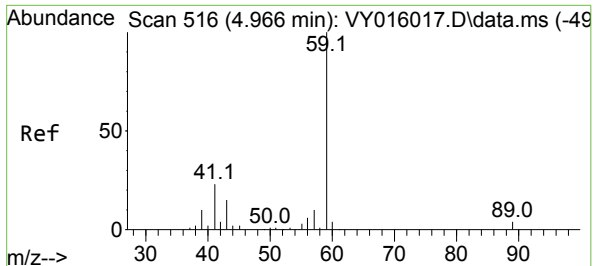
Tgt Ion:101 Resp: 107658
Ion Ratio Lower Upper
101 100
85 44.8 36.6 55.0
151 79.3 67.0 100.6



#10
Methyl Iodide
Concen: 50.962 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.000 min
Lab File: VY016017.D
Acq: 18 Oct 2023 12:40

Tgt Ion:142 Resp: 147588
Ion Ratio Lower Upper
142 100
127 45.2 37.6 56.4
141 14.2 11.8 17.8

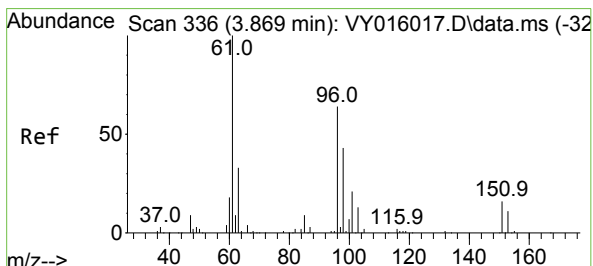
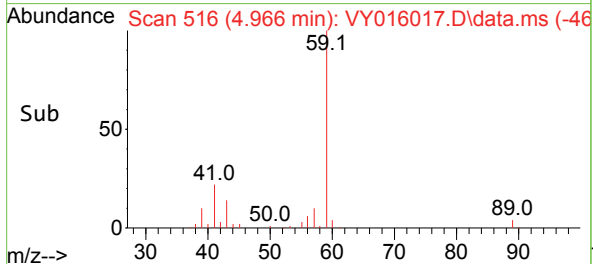
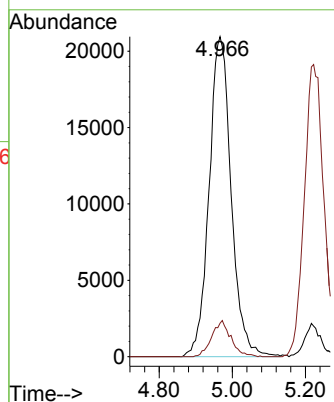
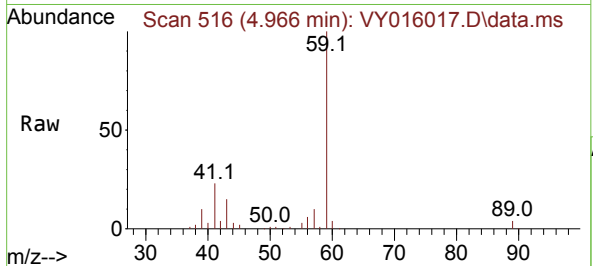




#11
Tert butyl alcohol
Concen: 231.400 ug/l
RT: 4.966 min Scan# 516
Delta R.T. 0.000 min
Lab File: VY016017.D
Acq: 18 Oct 2023 12:40

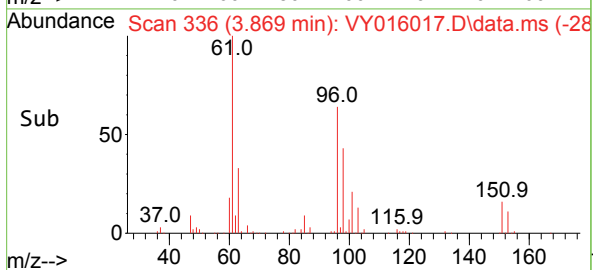
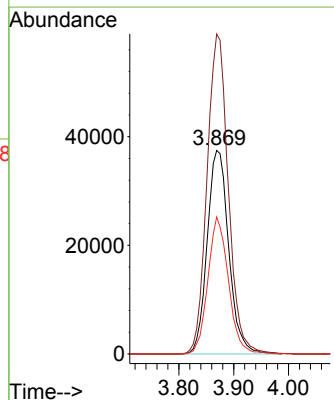
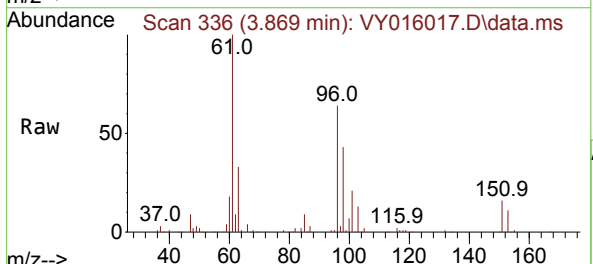
Instrument :
MSVOA_Y
ClientSampleId :

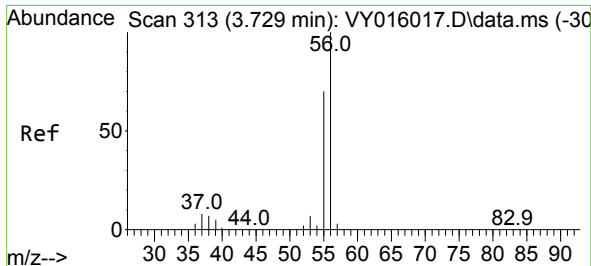
Tgt Ion: 59 Resp: 87821
Ion Ratio Lower Upper
59 100
57 9.9 3.0 4.4#



#12
1,1-Dichloroethene
Concen: 49.226 ug/l
RT: 3.869 min Scan# 336
Delta R.T. 0.000 min
Lab File: VY016017.D
Acq: 18 Oct 2023 12:40

Tgt Ion: 96 Resp: 102153
Ion Ratio Lower Upper
96 100
61 157.2 136.4 204.6
98 67.3 49.4 74.2





#13

Acrolein

Concen: 258.255 ug/l

RT: 3.729 min Scan# 313

Delta R.T. -0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

Instrument :

MSVOA_Y

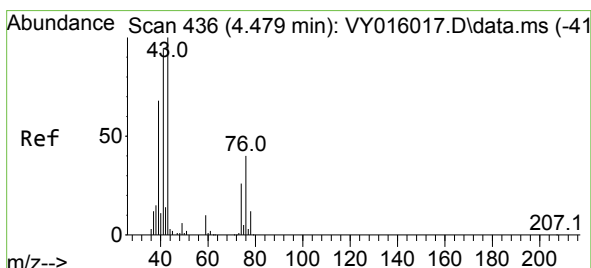
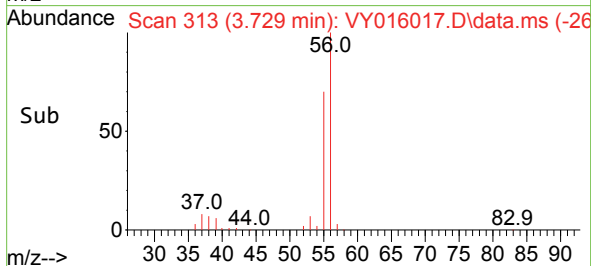
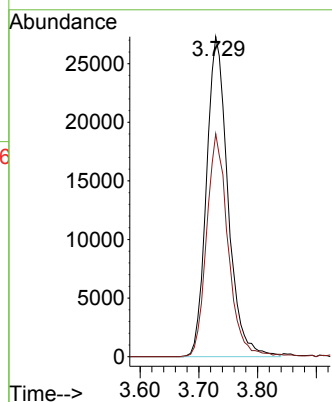
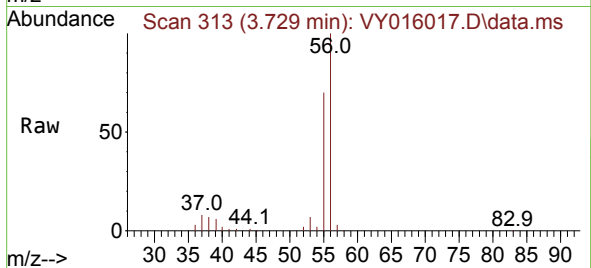
ClientSampleId :

Tgt Ion: 56 Resp: 69241

Ion Ratio Lower Upper

56 100

55 69.9 57.0 85.4



#14

Allyl chloride

Concen: 49.387 ug/l

RT: 4.479 min Scan# 436

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

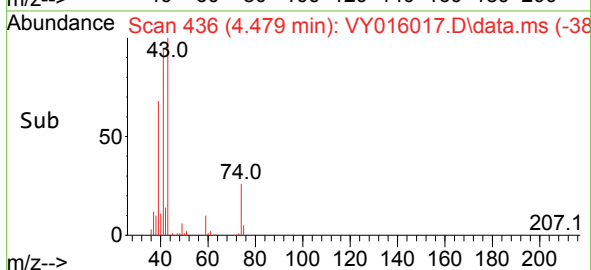
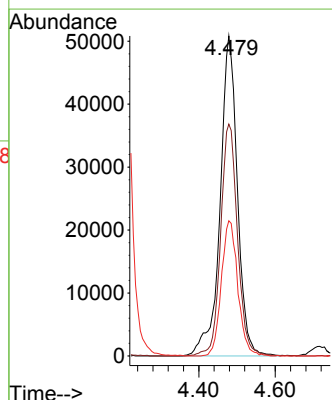
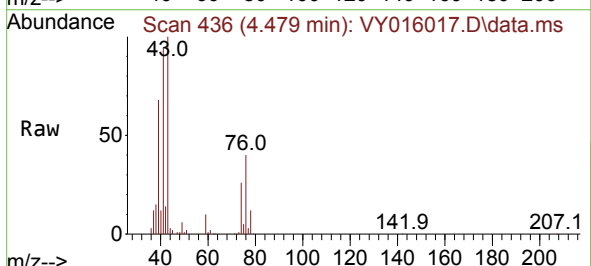
Tgt Ion: 41 Resp: 160258

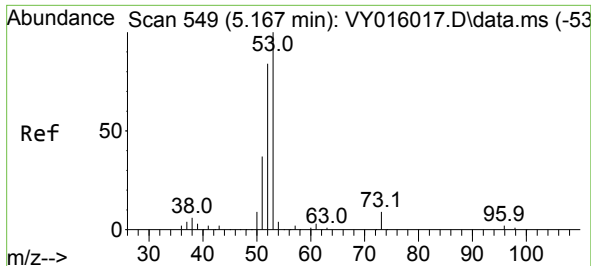
Ion Ratio Lower Upper

41 100

39 70.4 58.0 87.0

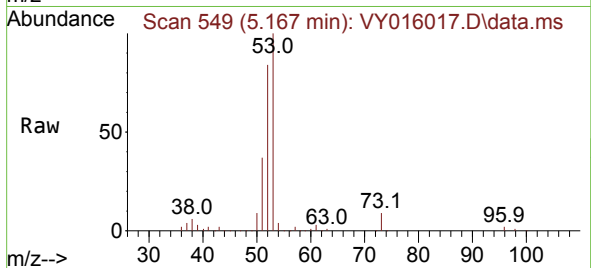
76 40.1 27.4 41.2



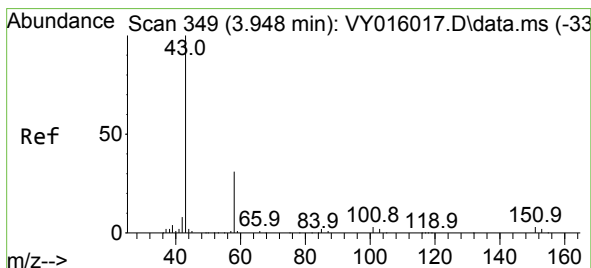
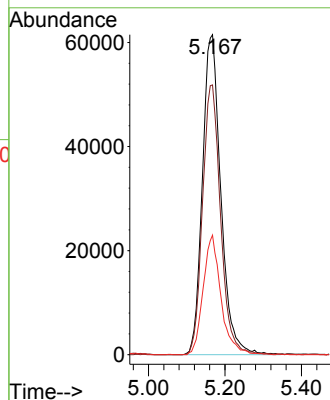
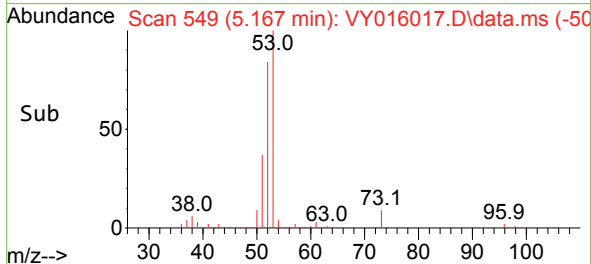


#15
Acrylonitrile
Concen: 252.825 ug/l
RT: 5.167 min Scan# 549
Delta R.T. 0.000 min
Lab File: VY016017.D
Acq: 18 Oct 2023 12:40

Instrument :
MSVOA_Y
ClientSampleId :

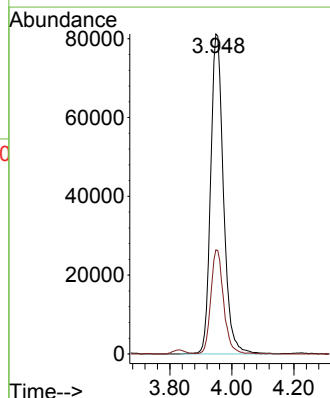
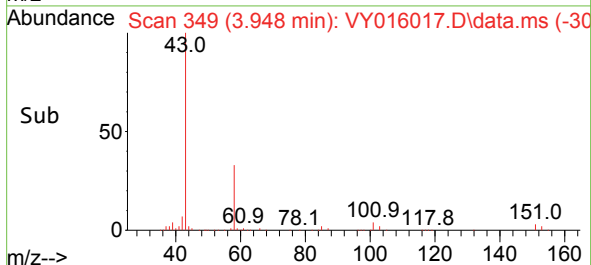
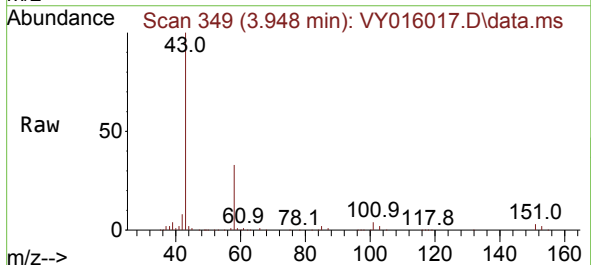


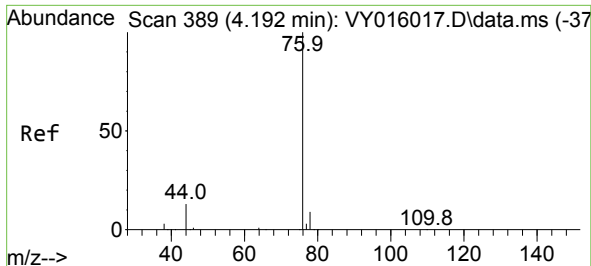
Tgt Ion: 53 Resp: 205456
Ion Ratio Lower Upper
53 100
52 82.6 66.9 100.3
51 36.3 29.8 44.6



#16
Acetone
Concen: 255.864 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY016017.D
Acq: 18 Oct 2023 12:40

Tgt Ion: 43 Resp: 233184
Ion Ratio Lower Upper
43 100
58 32.6 22.7 34.1

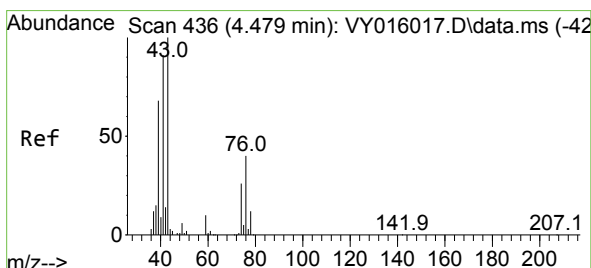
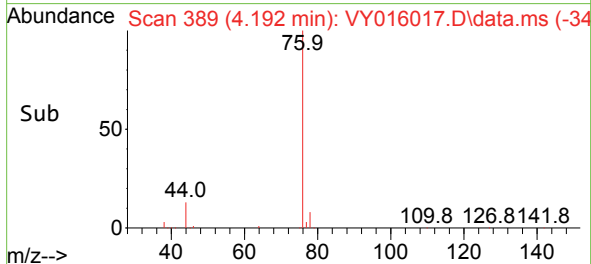
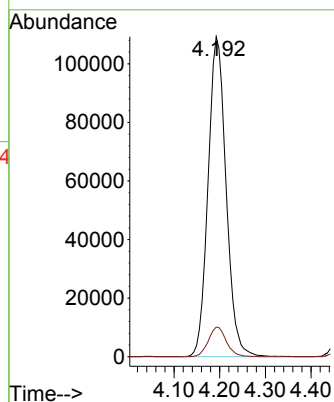
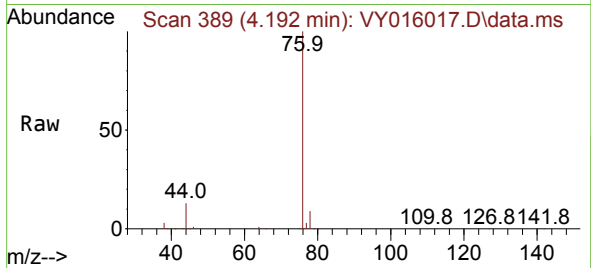




#17
Carbon Disulfide
Concen: 49.253 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.000 min
Lab File: VY016017.D
Acq: 18 Oct 2023 12:40

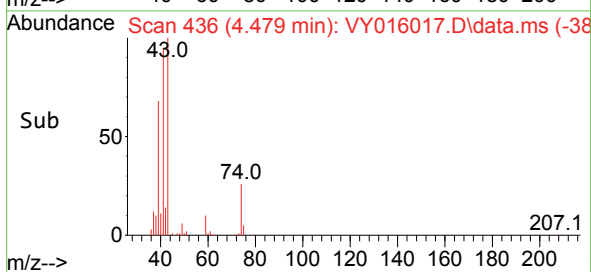
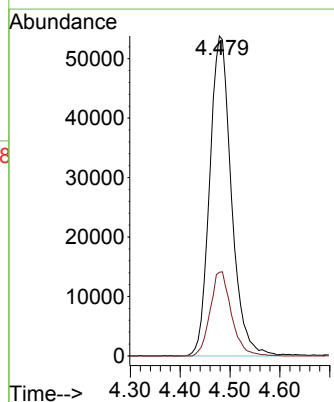
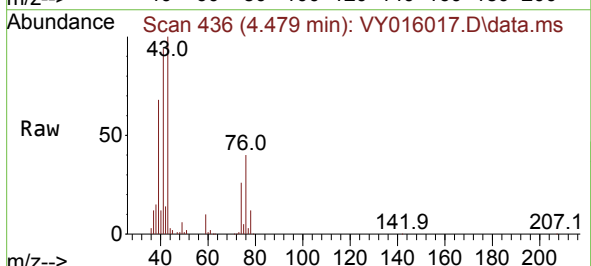
Instrument :
MSVOA_Y
ClientSampleId :

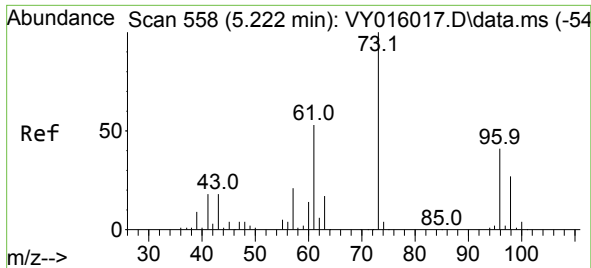
Tgt Ion: 76 Resp: 299432
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.4



#18
Methyl Acetate
Concen: 51.871 ug/l
RT: 4.479 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY016017.D
Acq: 18 Oct 2023 12:40

Tgt Ion: 43 Resp: 162707
Ion Ratio Lower Upper
43 100
74 25.8 17.4 26.0

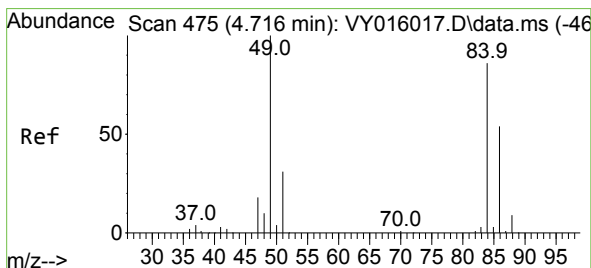
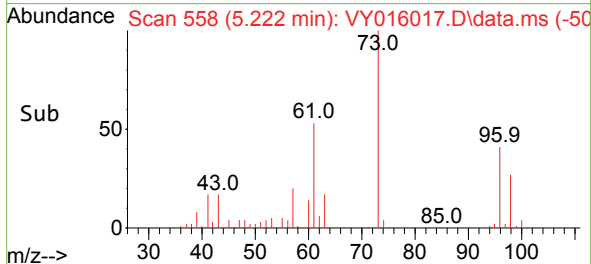
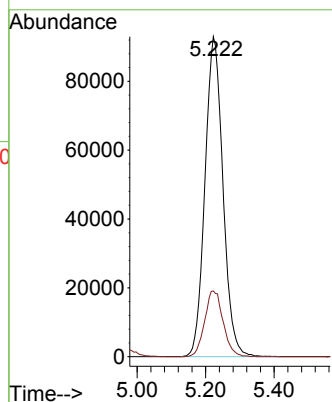
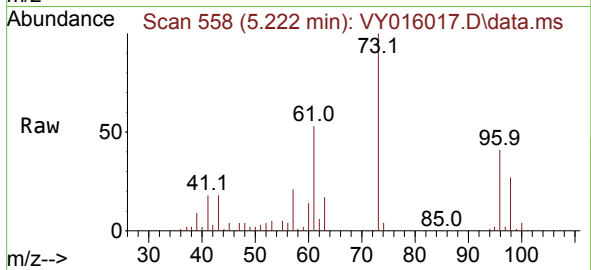




#19
Methyl tert-butyl Ether
Concen: 50.703 ug/l
RT: 5.222 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY016017.D
Acq: 18 Oct 2023 12:40

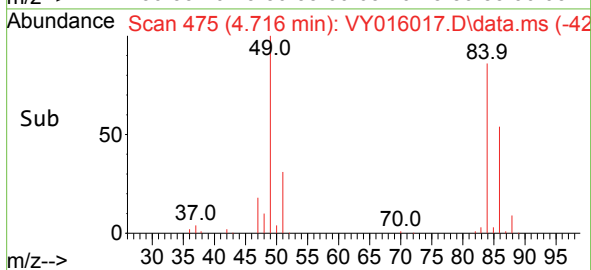
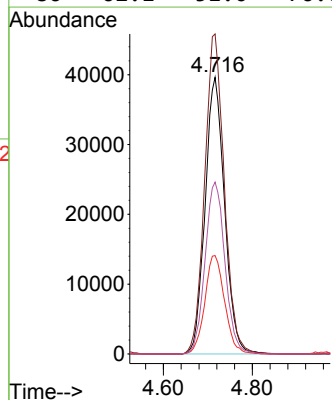
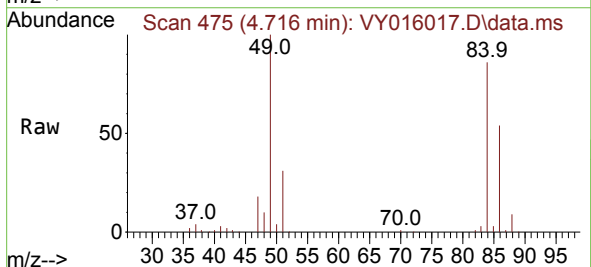
Instrument :
MSVOA_Y
ClientSampleId :

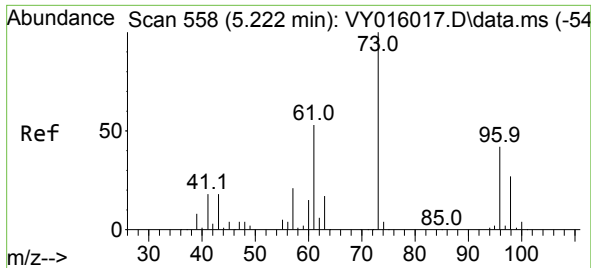
Tgt Ion: 73 Resp: 339443
Ion Ratio Lower Upper
73 100
57 20.6 17.3 25.9



#20
Methylene Chloride
Concen: 44.707 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY016017.D
Acq: 18 Oct 2023 12:40

Tgt Ion: 84 Resp: 121041
Ion Ratio Lower Upper
84 100
49 115.7 106.9 160.3
51 35.6 33.2 49.8
86 62.1 51.0 76.6

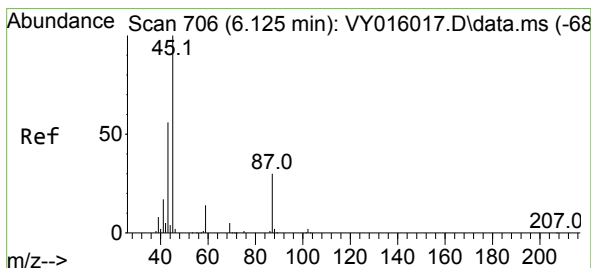
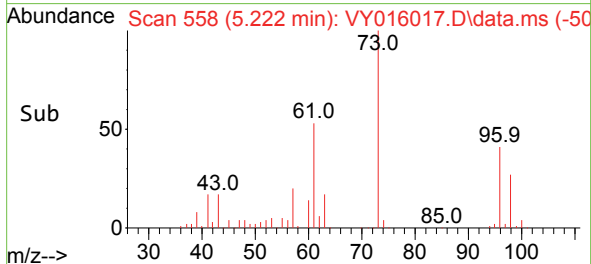
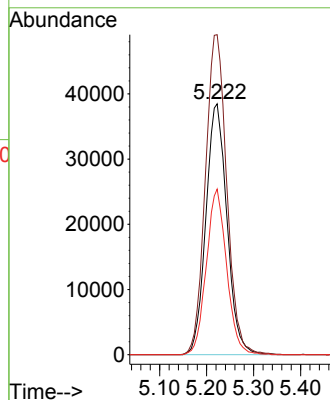
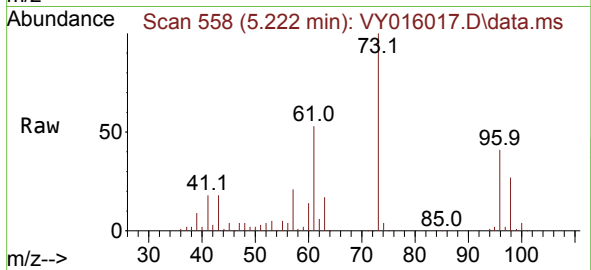




#21
trans-1,2-Dichloroethene
Concen: 49.581 ug/l
RT: 5.222 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY016017.D
Acq: 18 Oct 2023 12:40

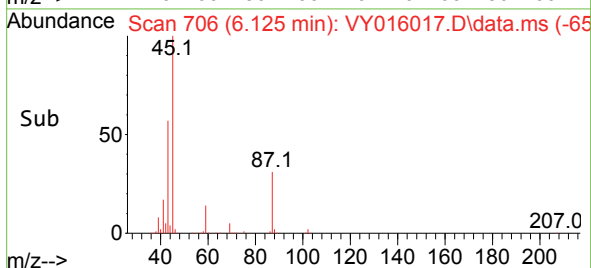
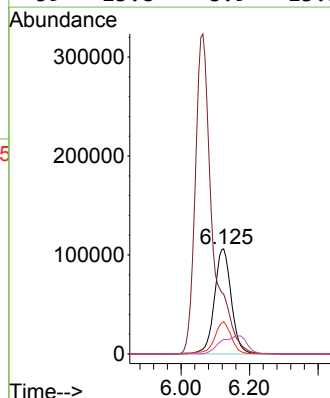
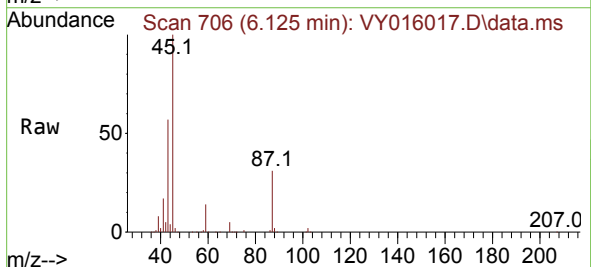
Instrument :
MSVOA_Y
ClientSampleId :

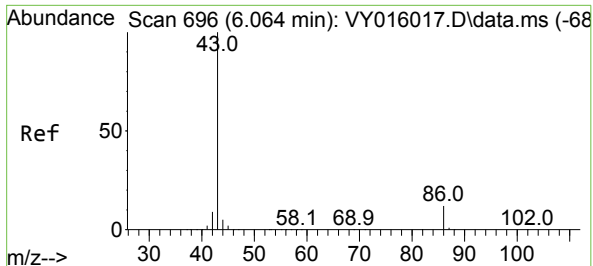
Tgt Ion: 96 Resp: 119817
Ion Ratio Lower Upper
96 100
61 127.5 110.2 165.4
98 66.0 51.8 77.6



#22
Diisopropyl ether
Concen: 51.158 ug/l
RT: 6.125 min Scan# 706
Delta R.T. 0.000 min
Lab File: VY016017.D
Acq: 18 Oct 2023 12:40

Tgt Ion: 45 Resp: 361467
Ion Ratio Lower Upper
45 100
43 56.5 52.2 78.4
87 30.7 21.0 31.6
59 13.8 8.9 13.3#

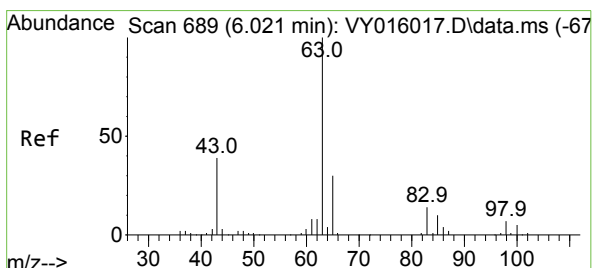
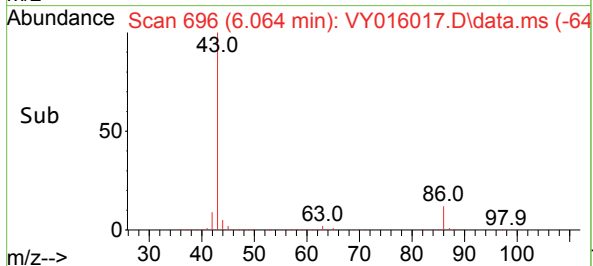
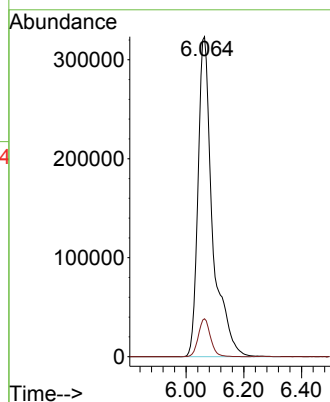
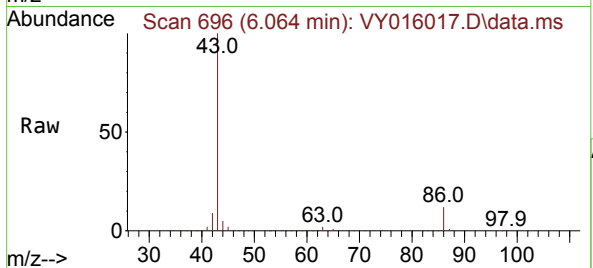




#23
 Vinyl Acetate
 Concen: 257.219 ug/l
 RT: 6.064 min Scan# 696
 Delta R.T. 0.000 min
 Lab File: VY016017.D
 Acq: 18 Oct 2023 12:40

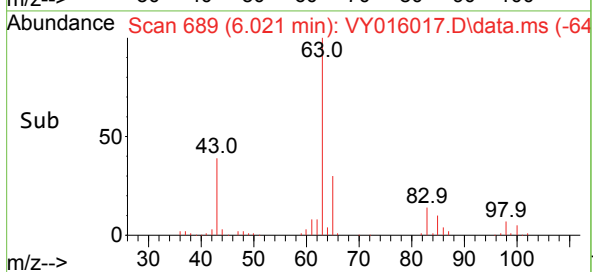
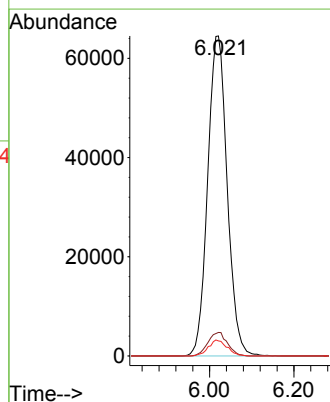
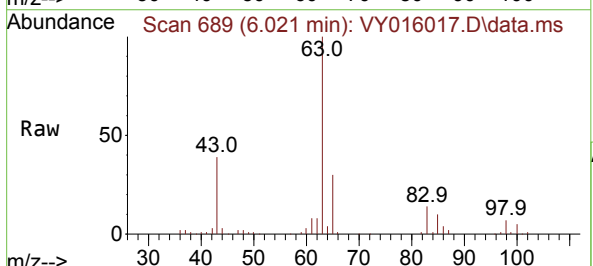
Instrument :
 MSVOA_Y
 ClientSampleId :

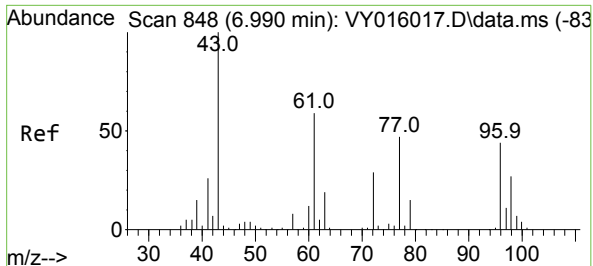
Tgt Ion: 43 Resp: 1127374
 Ion Ratio Lower Upper
 43 100
 86 11.8 7.5 11.3#



#24
 1,1-Dichloroethane
 Concen: 49.394 ug/l
 RT: 6.021 min Scan# 689
 Delta R.T. 0.000 min
 Lab File: VY016017.D
 Acq: 18 Oct 2023 12:40

Tgt Ion: 63 Resp: 207047
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.1 9.4
 100 4.7 1.8 5.5





#25

2-Butanone

Concen: 253.396 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

Instrument :

MSVOA_Y

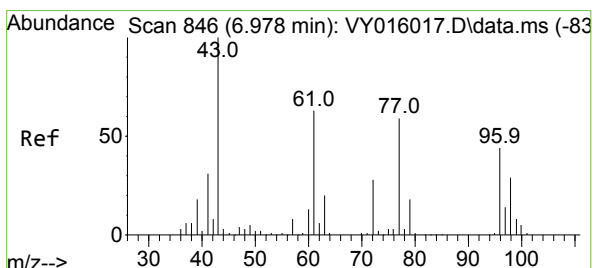
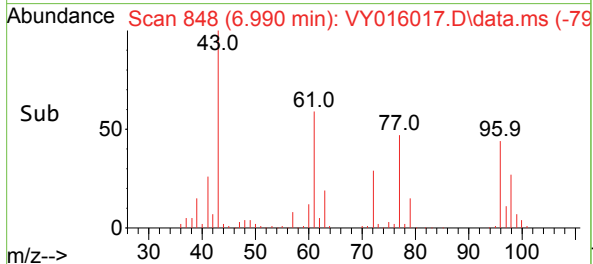
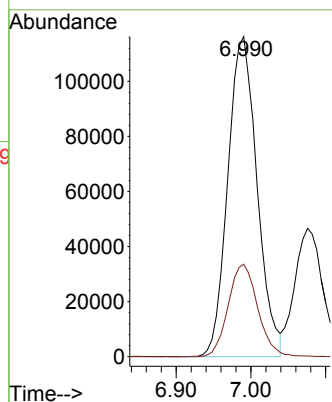
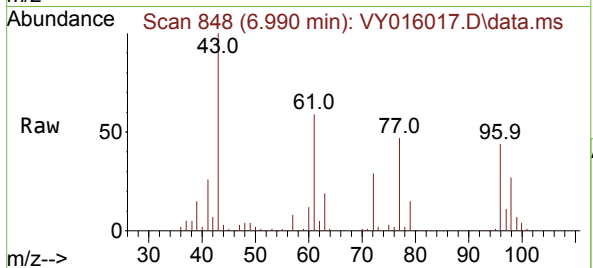
ClientSampleId :

Tgt Ion: 43 Resp: 316320

Ion Ratio Lower Upper

43 100

72 28.9 20.5 30.7



#26

2,2-Dichloropropane

Concen: 48.142 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY016017.D

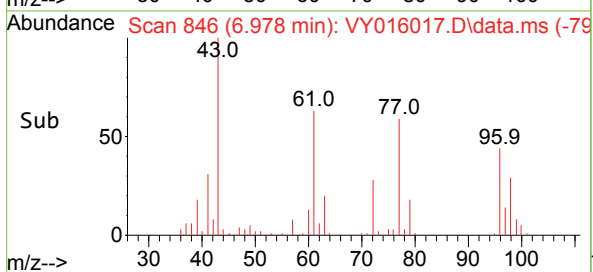
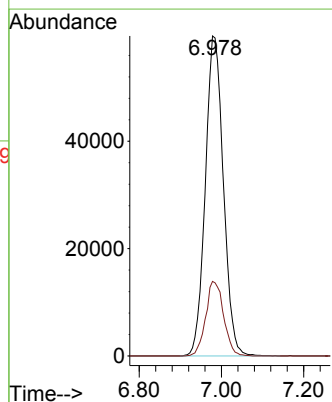
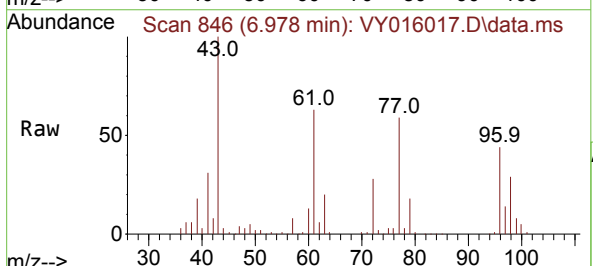
Acq: 18 Oct 2023 12:40

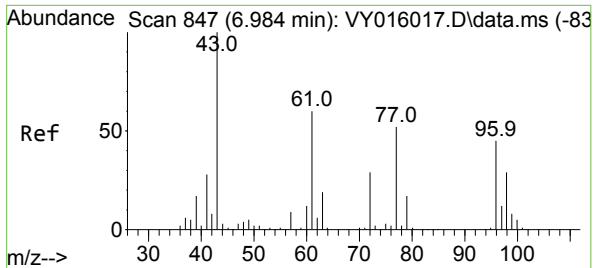
Tgt Ion: 77 Resp: 181567

Ion Ratio Lower Upper

77 100

97 23.1 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 49.669 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

Instrument :

MSVOA_Y

ClientSampleId :

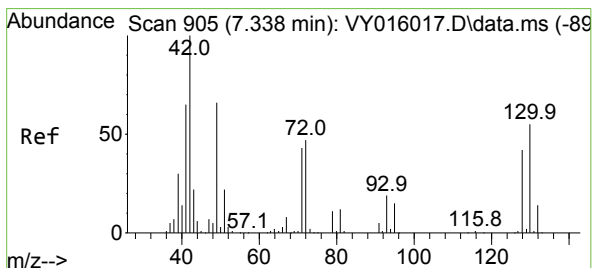
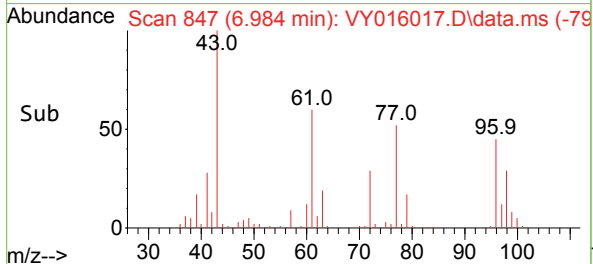
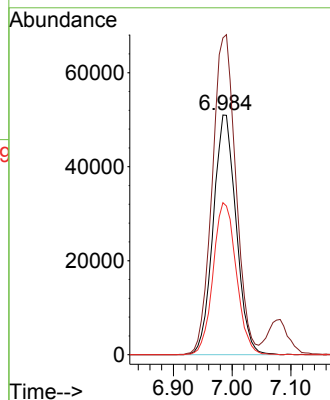
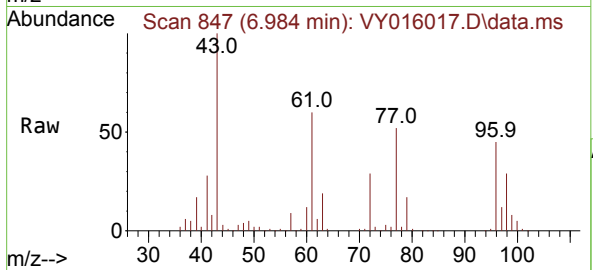
Tgt Ion: 96 Resp: 138236

Ion Ratio Lower Upper

96 100

61 137.8 0.0 301.4

98 64.1 0.0 130.4



#28

Bromochloromethane

Concen: 52.798 ug/l

RT: 7.338 min Scan# 905

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

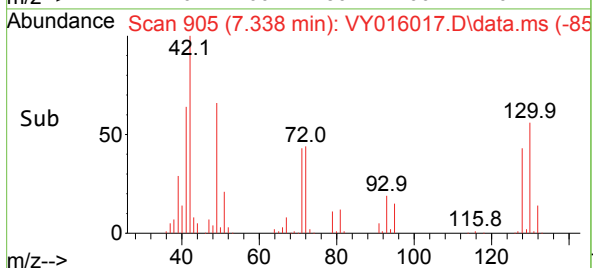
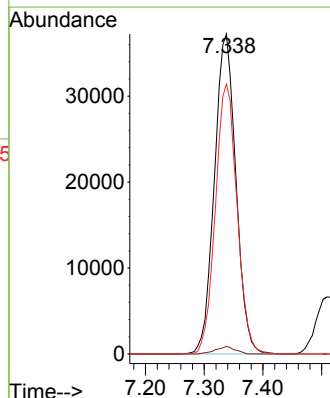
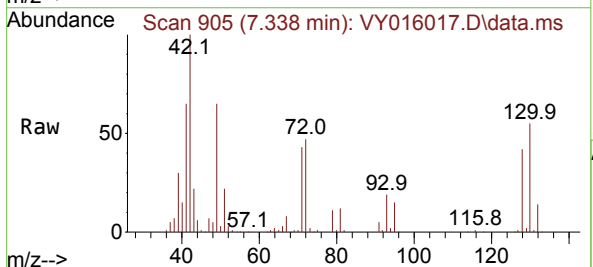
Tgt Ion: 49 Resp: 94652

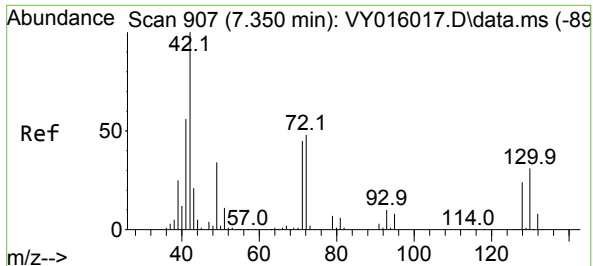
Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.6

130 84.8 60.7 91.1





#29

Tetrahydrofuran

Concen: 260.381 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

Instrument :

MSVOA_Y

ClientSampleId :

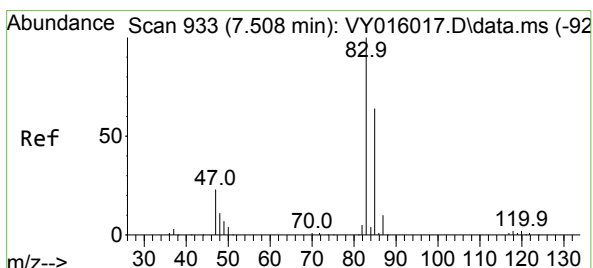
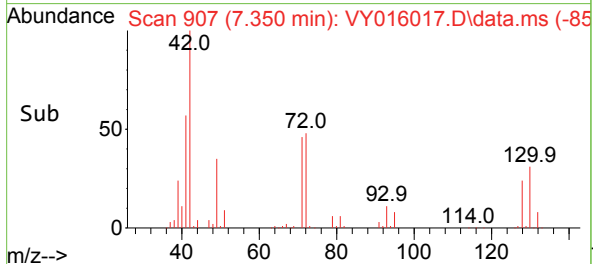
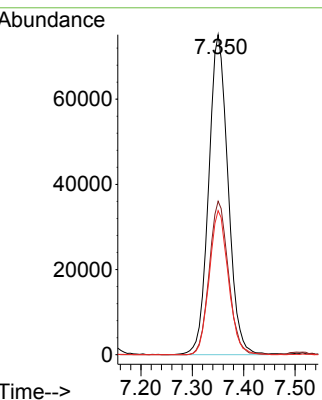
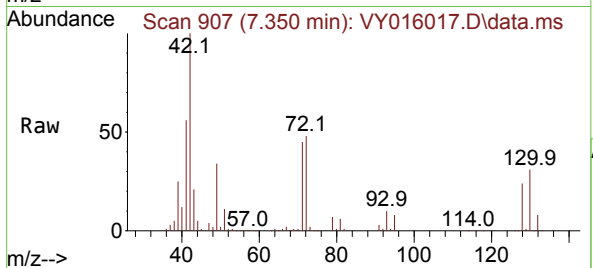
Tgt Ion: 42 Resp: 196746

Ion Ratio Lower Upper

42 100

72 47.5 32.8 49.2

71 44.4 31.0 46.4



#30

Chloroform

Concen: 49.673 ug/l

RT: 7.508 min Scan# 933

Delta R.T. 0.000 min

Lab File: VY016017.D

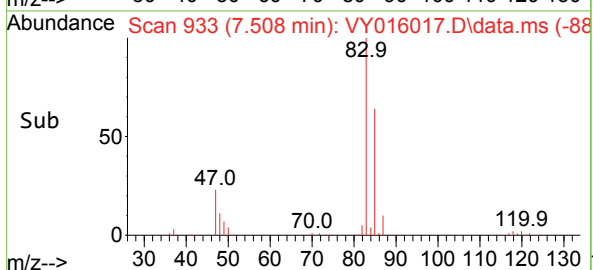
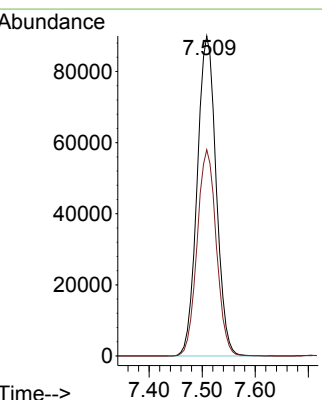
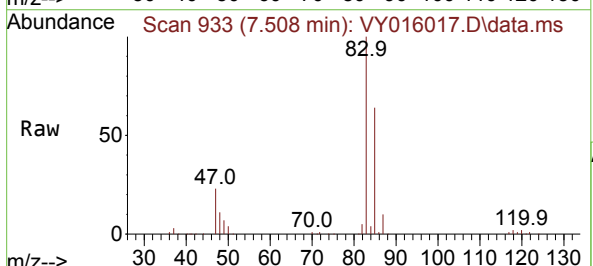
Acq: 18 Oct 2023 12:40

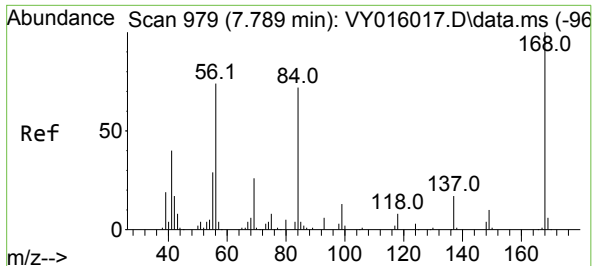
Tgt Ion: 83 Resp: 223253

Ion Ratio Lower Upper

83 100

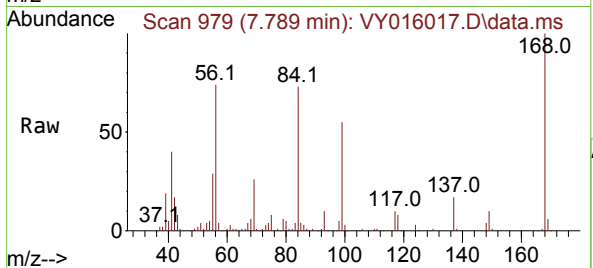
85 64.4 49.7 74.5



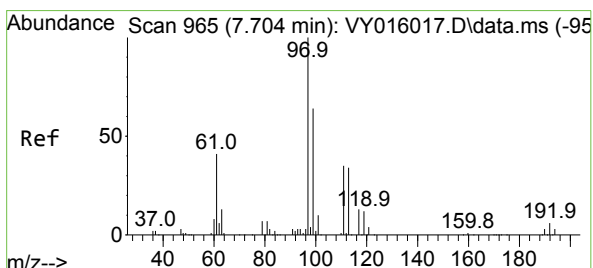
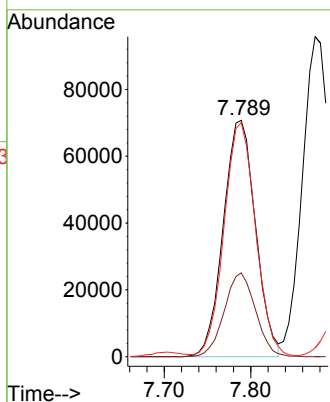
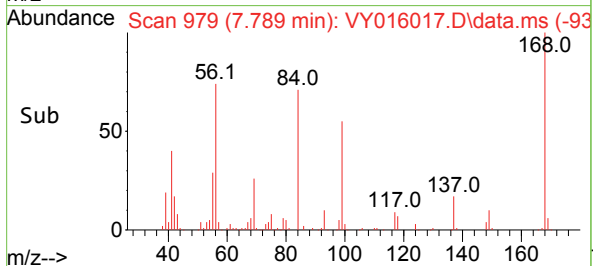


#31
Cyclohexane
Concen: 47.504 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY016017.D
Acq: 18 Oct 2023 12:40

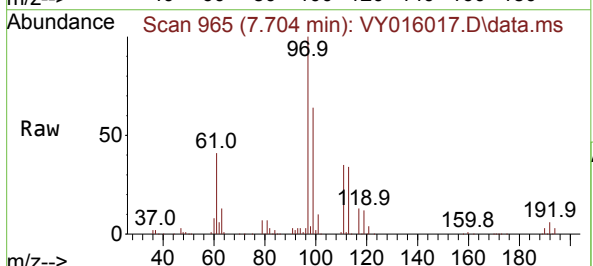
Instrument :
MSVOA_Y
ClientSampleId :



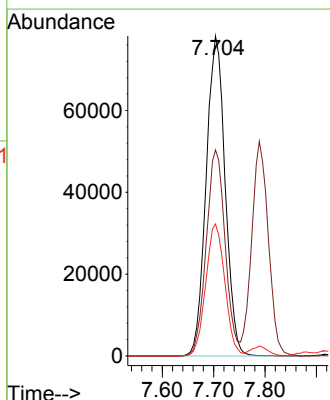
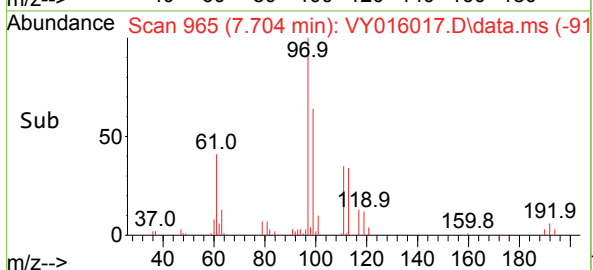
Tgt Ion: 56 Resp: 182803
Ion Ratio Lower Upper
56 100
69 35.5 27.8 41.6
84 97.6 66.4 99.6

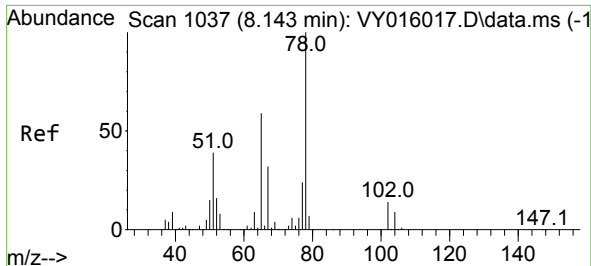


#32
1,1,1-Trichloroethane
Concen: 49.851 ug/l
RT: 7.704 min Scan# 965
Delta R.T. 0.000 min
Lab File: VY016017.D
Acq: 18 Oct 2023 12:40



Tgt Ion: 97 Resp: 200469
Ion Ratio Lower Upper
97 100
99 64.5 50.8 76.2
61 41.5 35.1 52.7

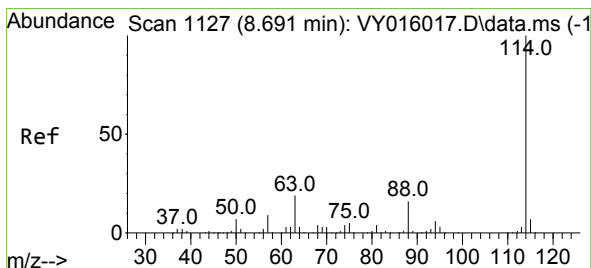
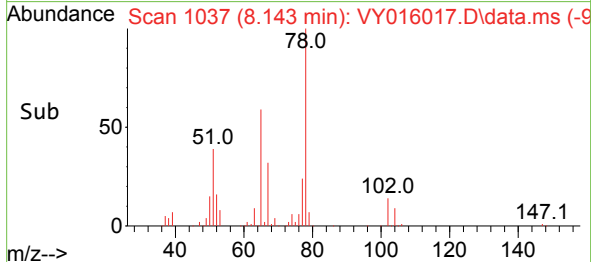
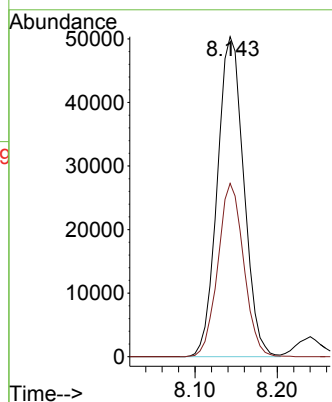
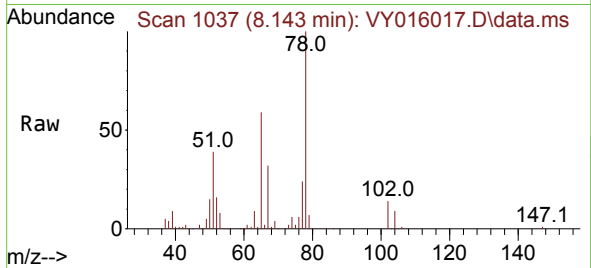




#33
1,2-Dichloroethane-d4
Concen: 45.902 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY016017.D
Acq: 18 Oct 2023 12:40

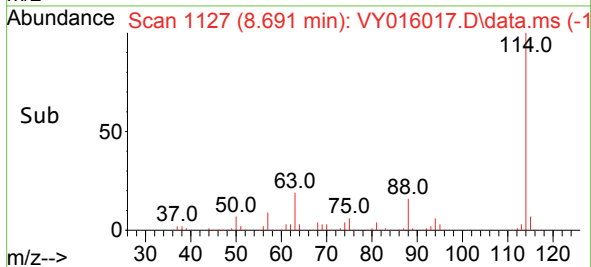
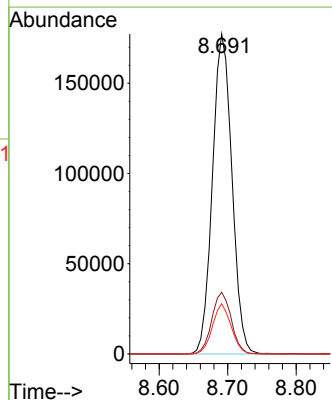
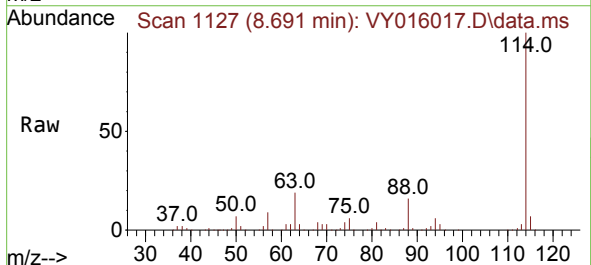
Instrument :
MSVOA_Y
ClientSampleId :

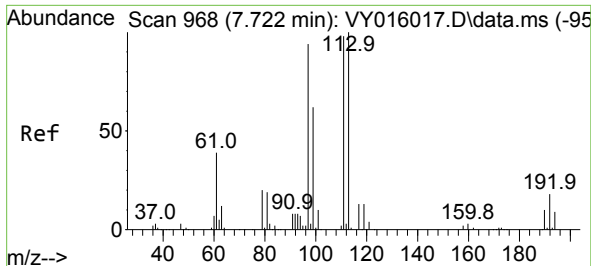
Tgt Ion: 65 Resp: 112853
Ion Ratio Lower Upper
65 100
67 52.7 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY016017.D
Acq: 18 Oct 2023 12:40

Tgt Ion: 114 Resp: 350491
Ion Ratio Lower Upper
114 100
63 19.3 0.0 42.4
88 15.7 0.0 30.6

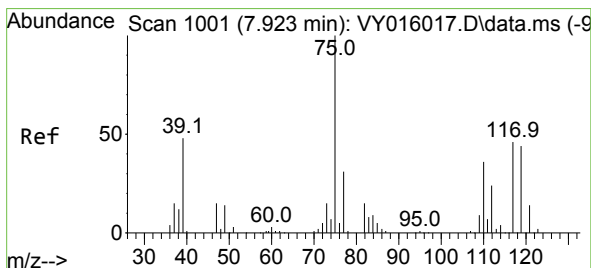
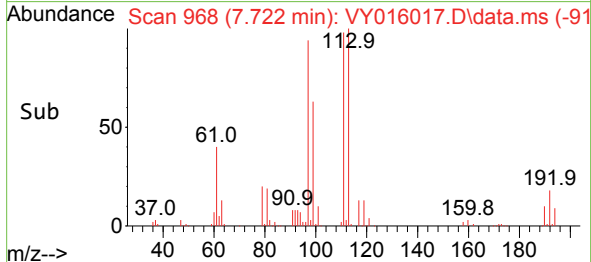
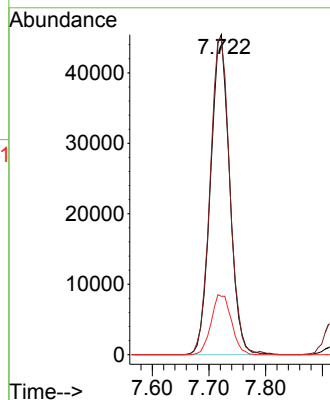
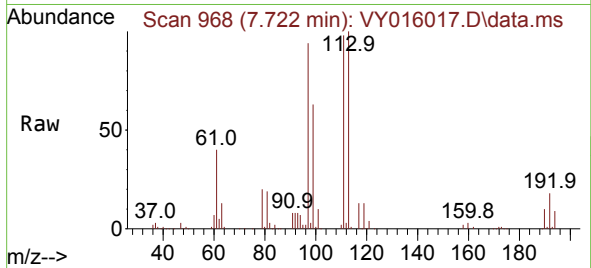




#35
Dibromofluoromethane
Concen: 45.948 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY016017.D
Acq: 18 Oct 2023 12:40

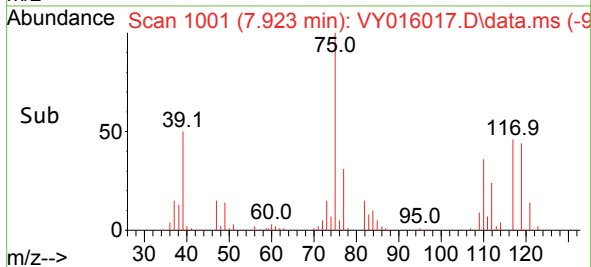
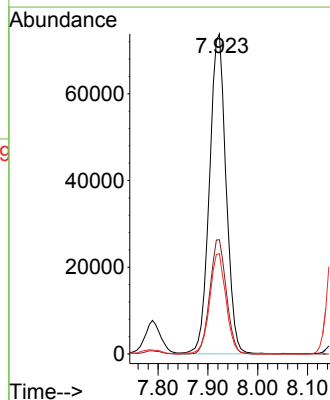
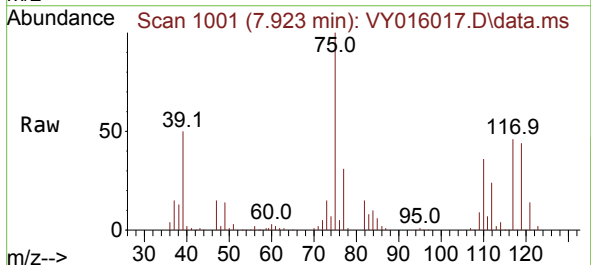
Instrument :
MSVOA_Y
ClientSampleId :

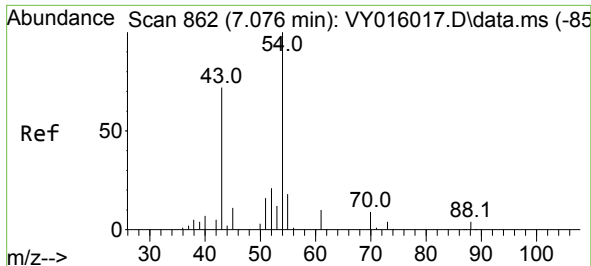
Tgt Ion:113 Resp: 106001
Ion Ratio Lower Upper
113 100
111 102.4 81.3 121.9
192 19.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 49.060 ug/l
RT: 7.923 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VY016017.D
Acq: 18 Oct 2023 12:40

Tgt Ion: 75 Resp: 170279
Ion Ratio Lower Upper
75 100
110 35.4 17.8 53.5
77 31.0 24.4 36.6





#37

Ethyl Acetate

Concen: 49.717 ug/l

RT: 7.076 min Scan# 862

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

Instrument :

MSVOA_Y

ClientSampleId :

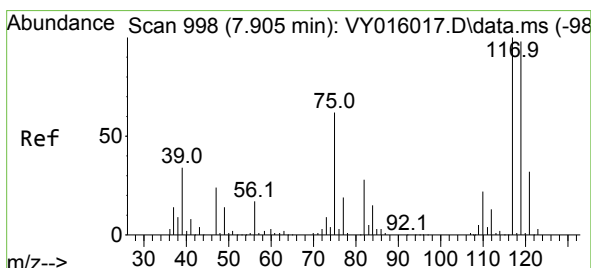
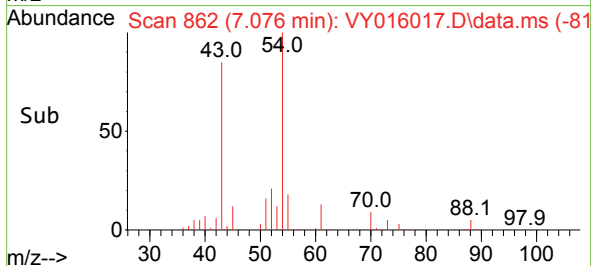
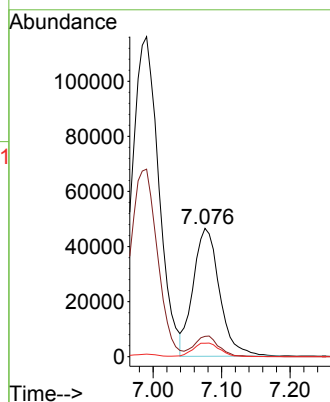
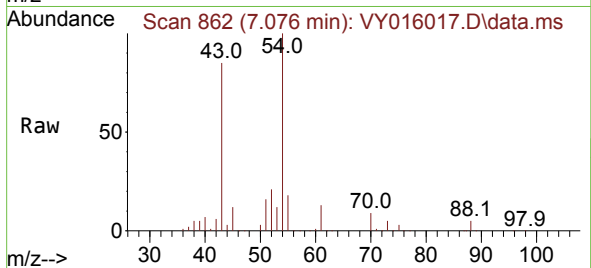
Tgt Ion: 43 Resp: 124386

Ion Ratio Lower Upper

43 100

61 14.8 10.1 15.1

70 10.9 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 48.720 ug/l

RT: 7.905 min Scan# 998

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

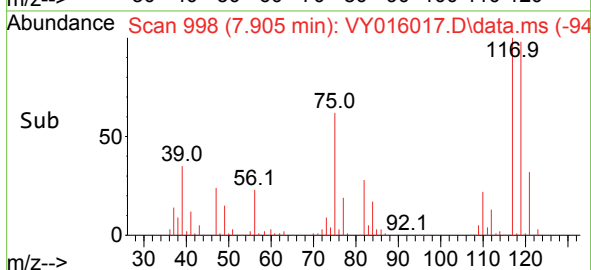
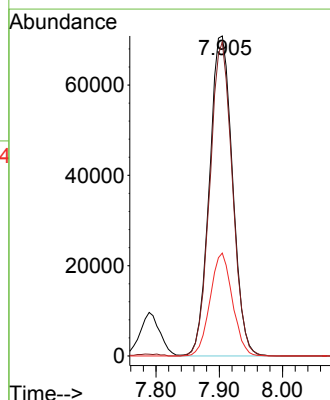
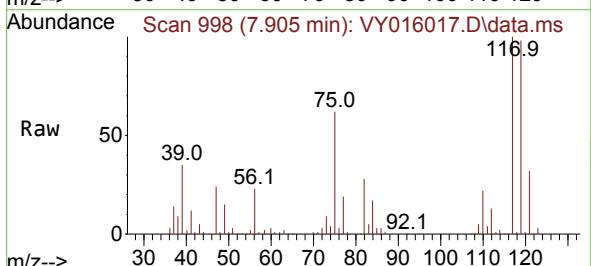
Tgt Ion: 117 Resp: 179729

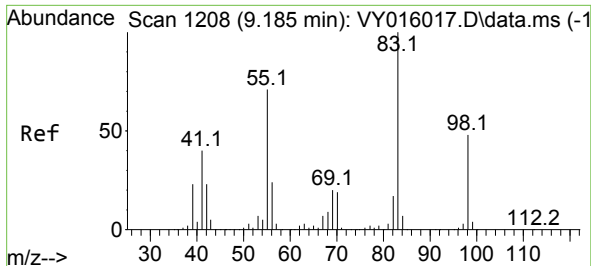
Ion Ratio Lower Upper

117 100

119 98.1 76.4 114.6

121 32.1 25.8 38.6





#39

Methylcyclohexane

Concen: 49.073 ug/l

RT: 9.185 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

Instrument :

MSVOA_Y

ClientSampleId :

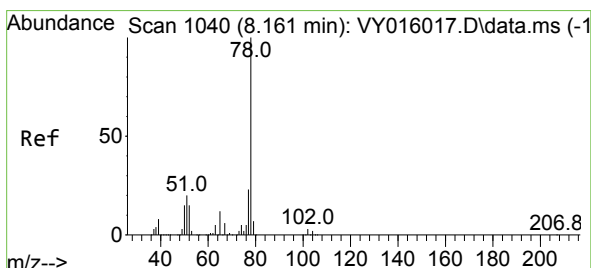
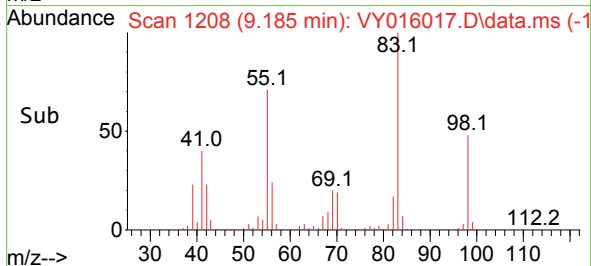
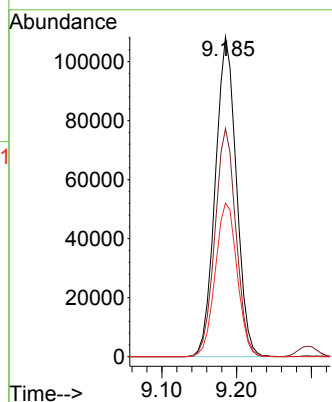
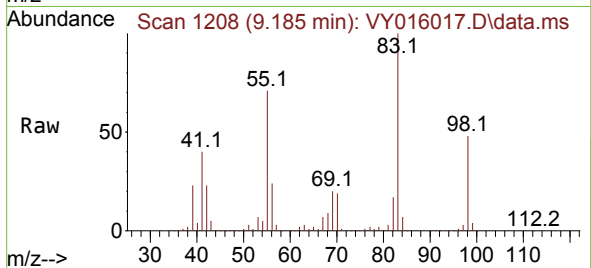
Tgt Ion: 83 Resp: 212857

Ion Ratio Lower Upper

83 100

55 71.3 63.0 94.4

98 48.0 37.4 56.2



#40

Benzene

Concen: 49.243 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY016017.D

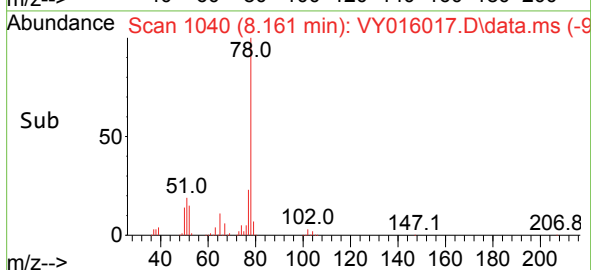
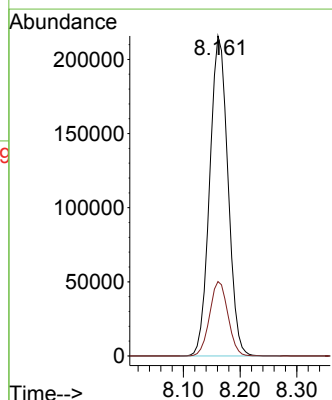
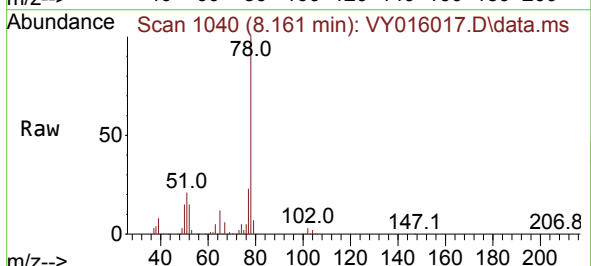
Acq: 18 Oct 2023 12:40

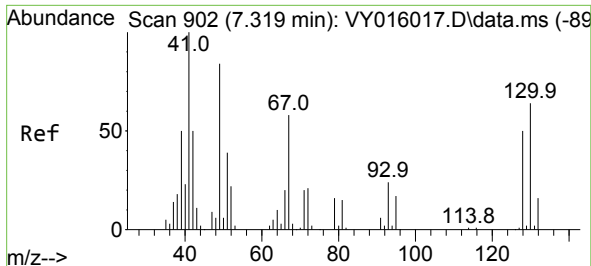
Tgt Ion: 78 Resp: 481704

Ion Ratio Lower Upper

78 100

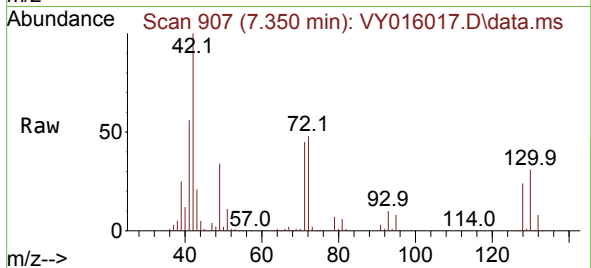
77 23.2 19.0 28.6



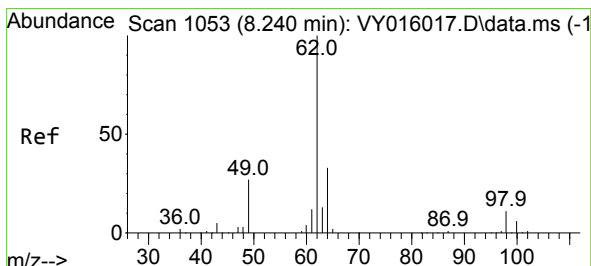
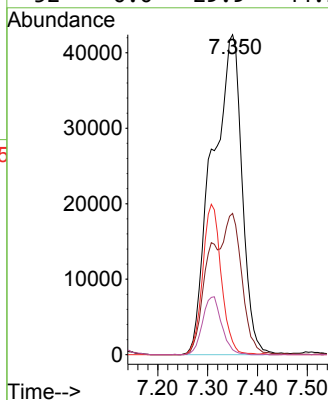
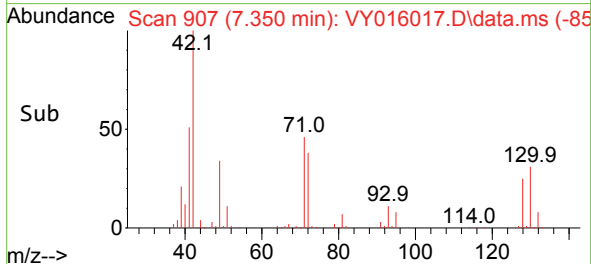


#41
Methacrylonitrile
Concen: 139.064 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.030 min
Lab File: VY016017.D
Acq: 18 Oct 2023 12:40

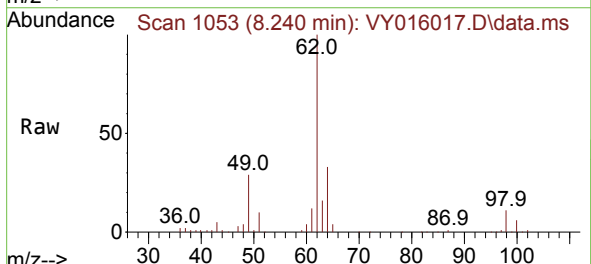
Instrument :
MSVOA_Y
ClientSampleId :



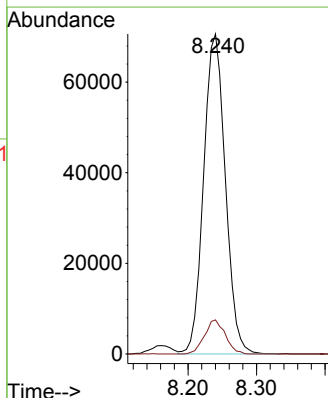
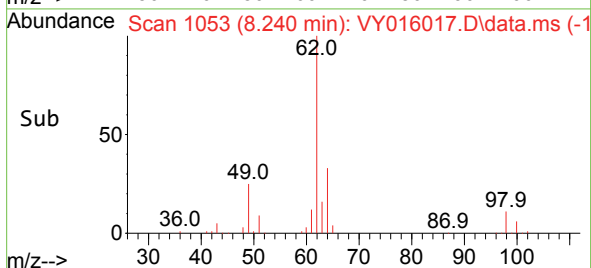
Tgt Ion: 41 Resp: 175178
Ion Ratio Lower Upper
41 100
39 23.6 52.1 78.1#
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

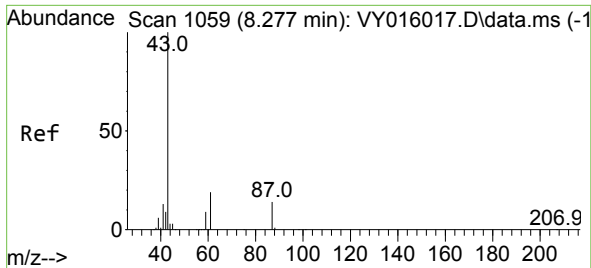


#42
1,2-Dichloroethane
Concen: 49.345 ug/l
RT: 8.240 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VY016017.D
Acq: 18 Oct 2023 12:40



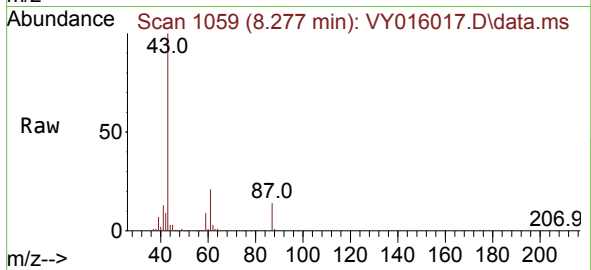
Tgt Ion: 62 Resp: 155490
Ion Ratio Lower Upper
62 100
98 10.2 0.0 15.8



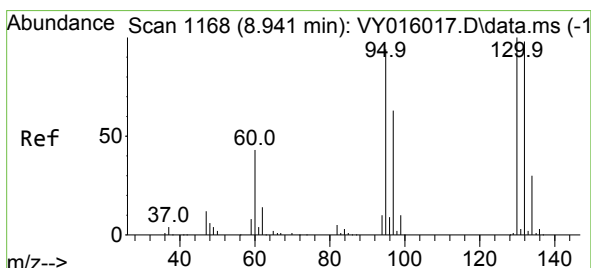
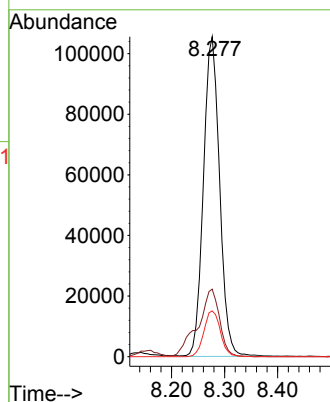
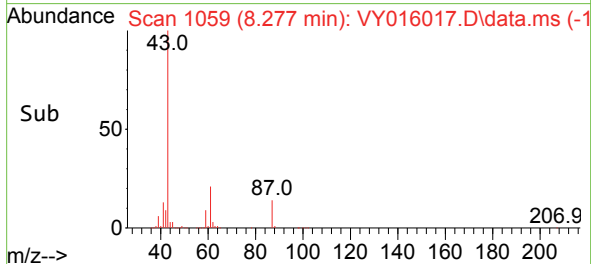


#43
Isopropyl Acetate
Concen: 51.124 ug/l
RT: 8.277 min Scan# 1059
Delta R.T. 0.000 min
Lab File: VY016017.D
Acq: 18 Oct 2023 12:40

Instrument :
MSVOA_Y
ClientSampleId :

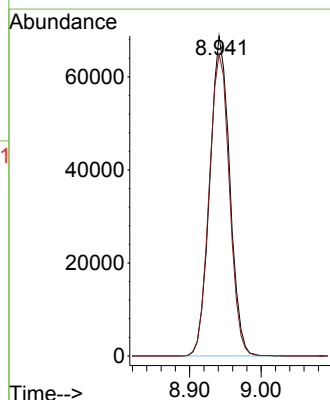
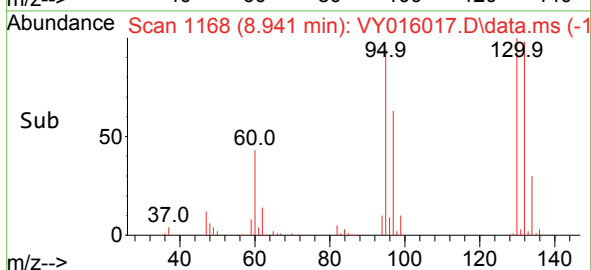
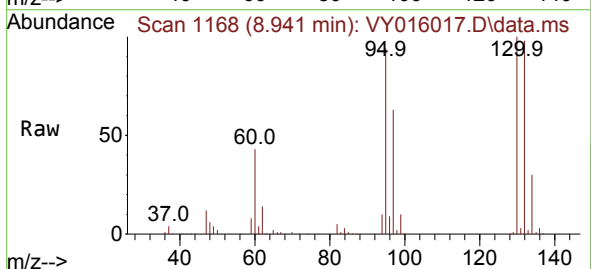


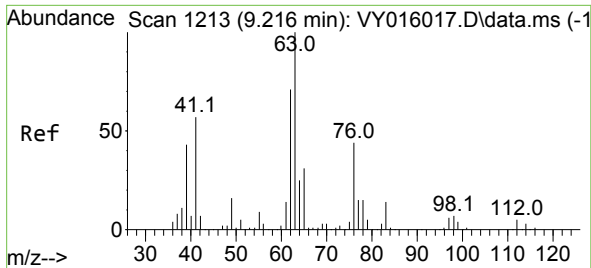
Tgt Ion: 43 Resp: 223625
Ion Ratio Lower Upper
43 100
61 28.4 21.1 31.7
87 14.6 9.8 14.8



#44
Trichloroethene
Concen: 48.489 ug/l
RT: 8.941 min Scan# 1168
Delta R.T. 0.000 min
Lab File: VY016017.D
Acq: 18 Oct 2023 12:40

Tgt Ion:130 Resp: 132996
Ion Ratio Lower Upper
130 100
95 94.4 0.0 196.0

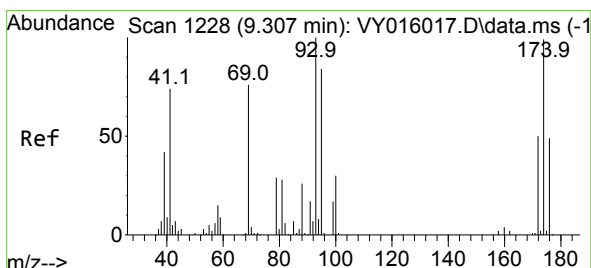
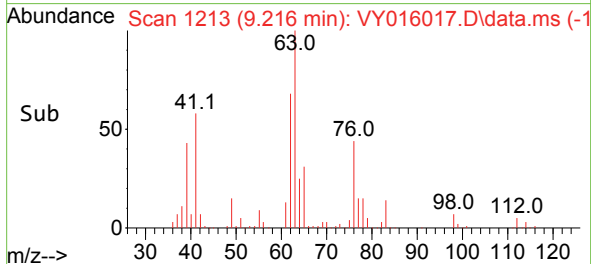
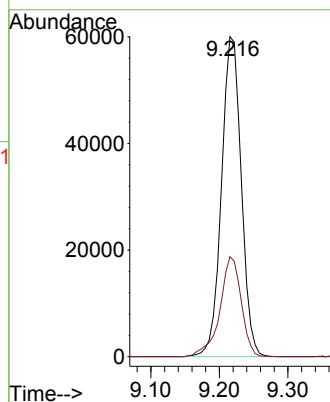
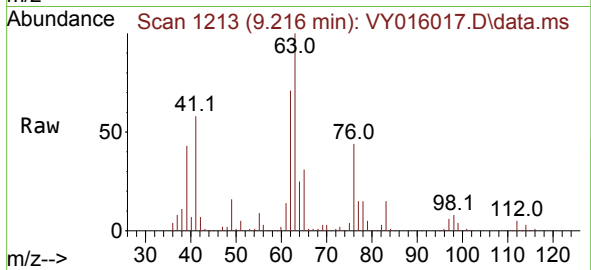




#45
1,2-Dichloropropane
Concen: 49.015 ug/l
RT: 9.216 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY016017.D
Acq: 18 Oct 2023 12:40

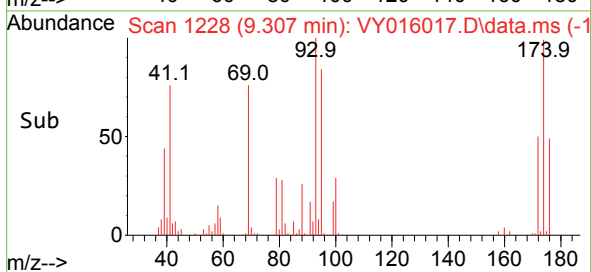
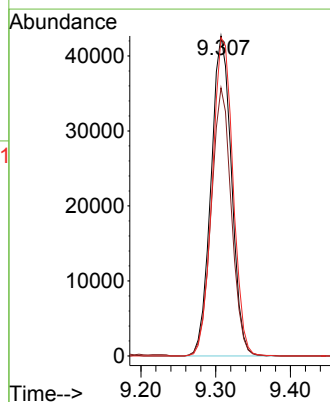
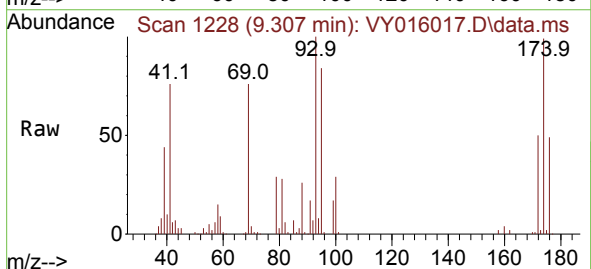
Instrument :
MSVOA_Y
ClientSampleId :

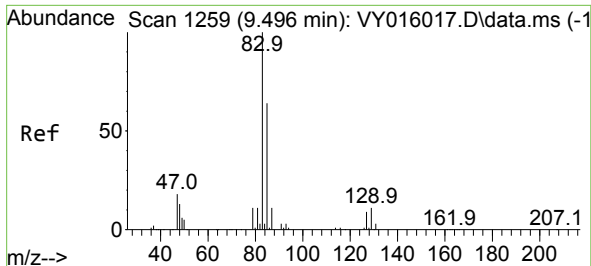
Tgt Ion: 63 Resp: 119996
Ion Ratio Lower Upper
63 100
65 31.3 23.8 35.6



#46
Dibromomethane
Concen: 50.049 ug/l
RT: 9.307 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VY016017.D
Acq: 18 Oct 2023 12:40

Tgt Ion: 93 Resp: 81344
Ion Ratio Lower Upper
93 100
95 82.3 66.6 100.0
174 100.6 84.8 127.2

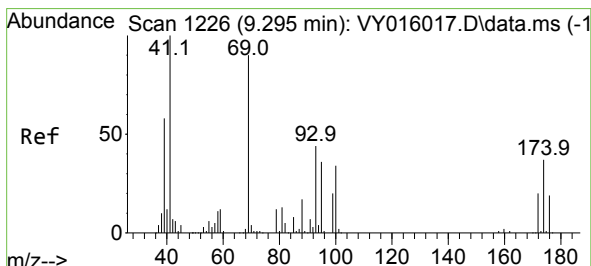
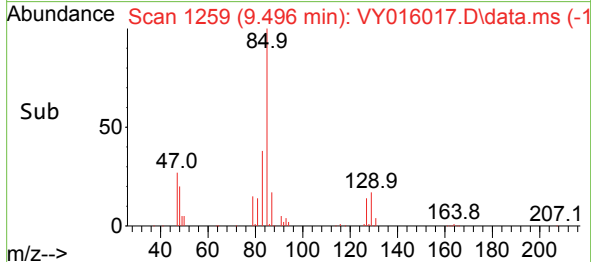
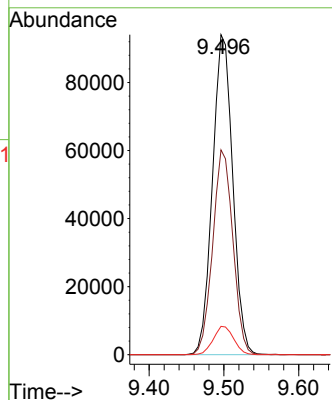
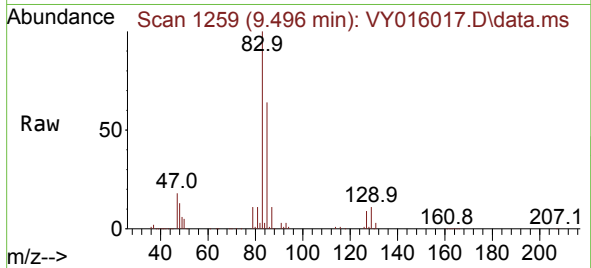




#47
 Bromodichloromethane
 Concen: 49.682 ug/l
 RT: 9.496 min Scan# 1259
 Delta R.T. 0.000 min
 Lab File: VY016017.D
 Acq: 18 Oct 2023 12:40

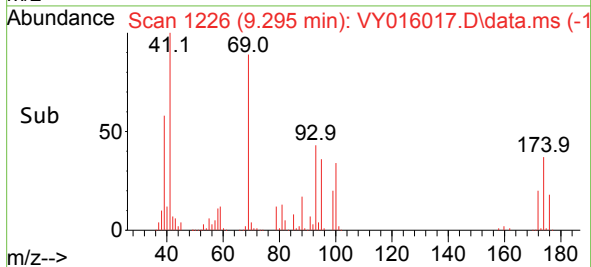
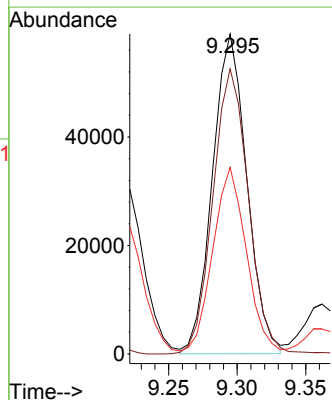
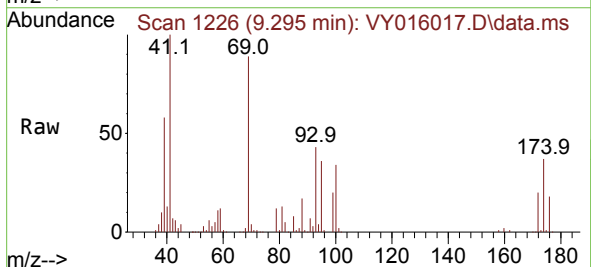
Instrument :
 MSVOA_Y
 ClientSampleId :

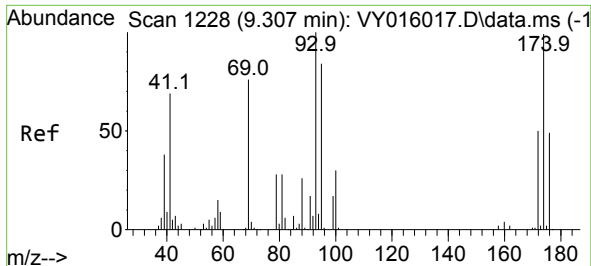
Tgt Ion: 83 Resp: 176975
 Ion Ratio Lower Upper
 83 100
 85 64.0 50.1 75.1
 127 8.8 7.1 10.7



#48
 Methyl methacrylate
 Concen: 51.657 ug/l
 RT: 9.295 min Scan# 1226
 Delta R.T. 0.000 min
 Lab File: VY016017.D
 Acq: 18 Oct 2023 12:40

Tgt Ion: 41 Resp: 102853
 Ion Ratio Lower Upper
 41 100
 69 92.1 64.5 96.7
 39 55.5 50.8 76.2





#49

1,4-Dioxane

Concen: 1104.262 ug/l

RT: 9.307 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

Instrument :

MSVOA_Y

ClientSampleId :

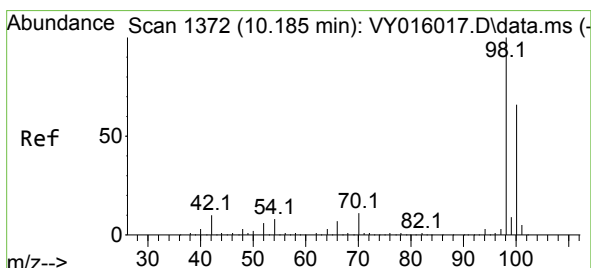
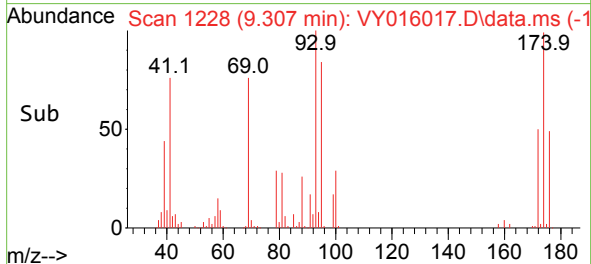
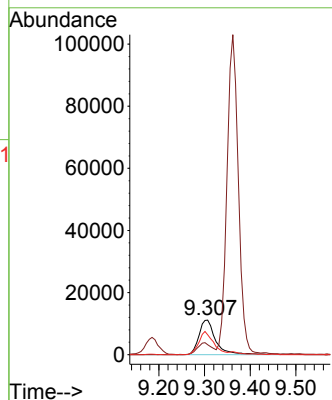
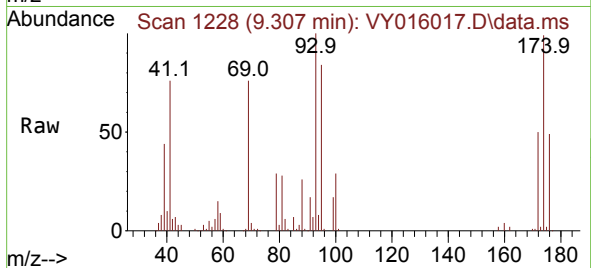
Tgt Ion: 88 Resp: 28578

Ion Ratio Lower Upper

88 100

43 30.0 0.0 0.0#

58 58.7 30.9 46.3#



#50

Toluene-d8

Concen: 45.909 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. 0.000 min

Lab File: VY016017.D

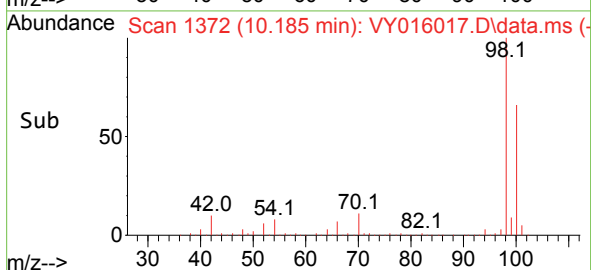
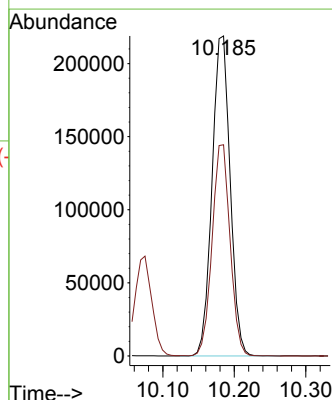
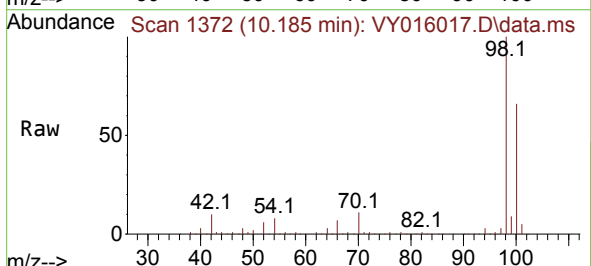
Acq: 18 Oct 2023 12:40

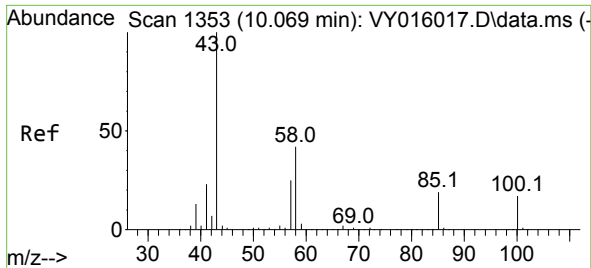
Tgt Ion: 98 Resp: 384656

Ion Ratio Lower Upper

98 100

100 65.7 50.1 75.1

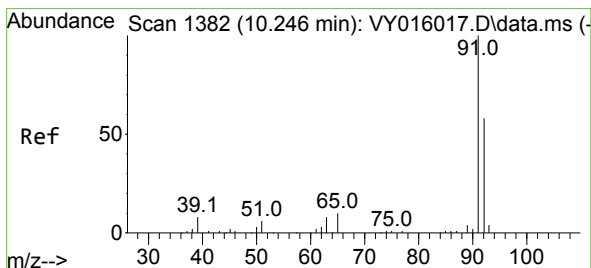
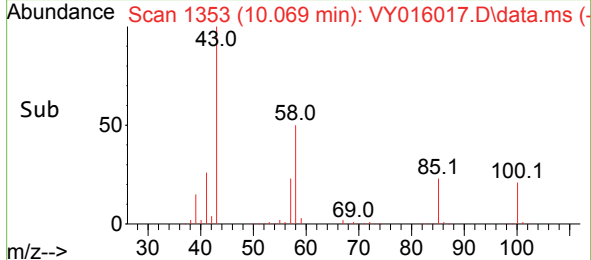
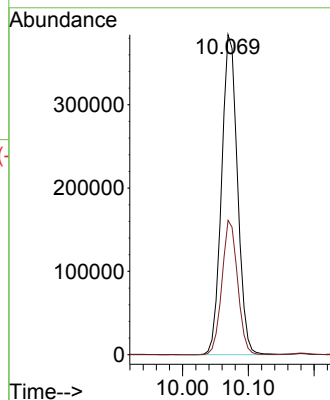
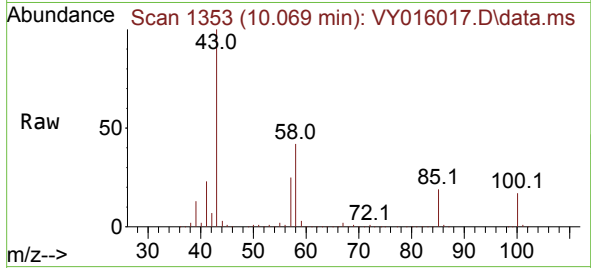




#51
4-Methyl-2-Pentanone
Concen: 257.290 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VY016017.D
Acq: 18 Oct 2023 12:40

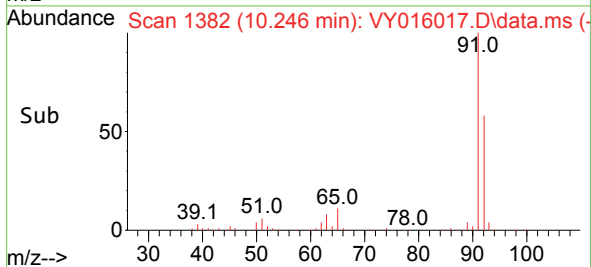
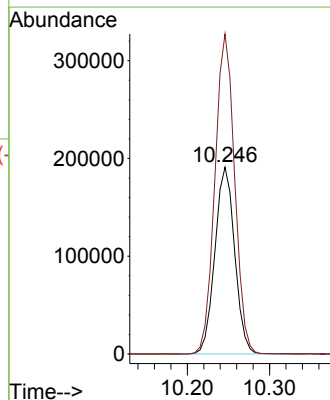
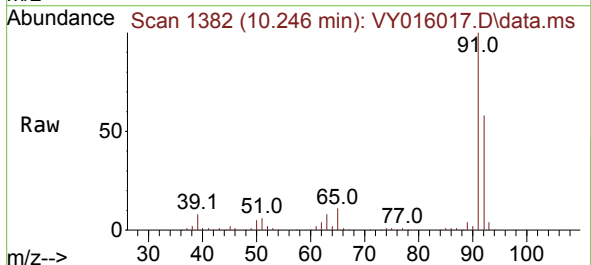
Instrument :
MSVOA_Y
ClientSampleId :

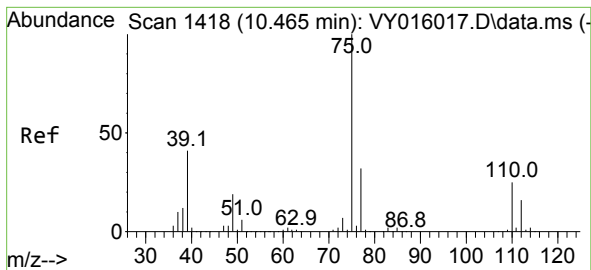
Tgt Ion: 43 Resp: 647186
Ion Ratio Lower Upper
43 100
58 41.3 29.0 43.6



#52
Toluene
Concen: 50.251 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY016017.D
Acq: 18 Oct 2023 12:40

Tgt Ion: 92 Resp: 318837
Ion Ratio Lower Upper
92 100
91 171.2 143.8 215.6

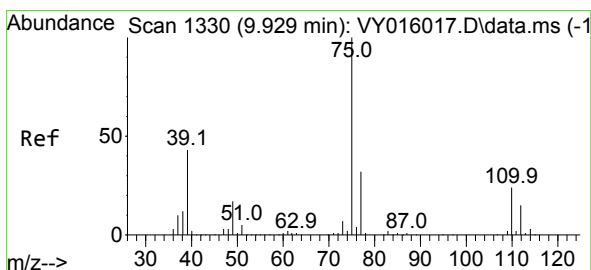
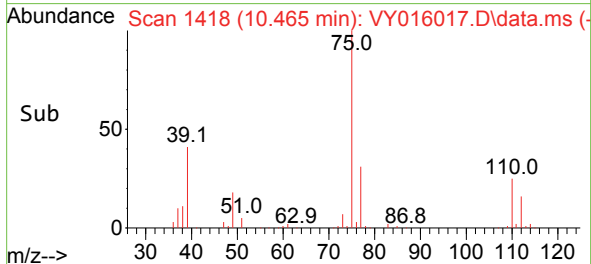
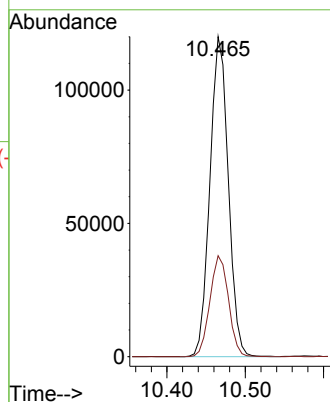
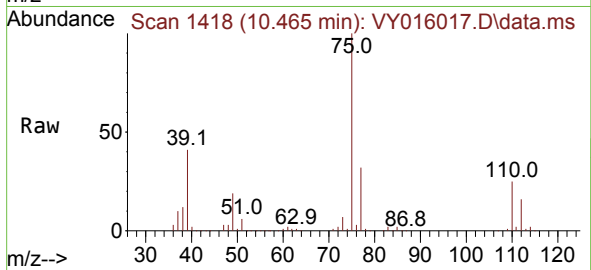




#53
 t-1,3-Dichloropropene
 Concen: 50.658 ug/l
 RT: 10.465 min Scan# 1418
 Delta R.T. 0.000 min
 Lab File: VY016017.D
 Acq: 18 Oct 2023 12:40

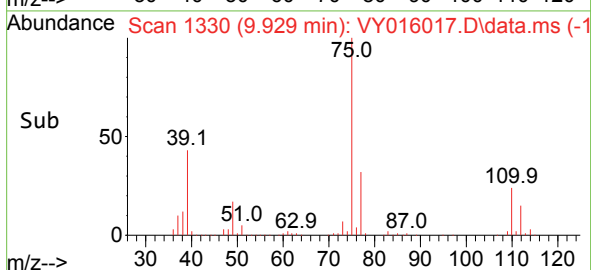
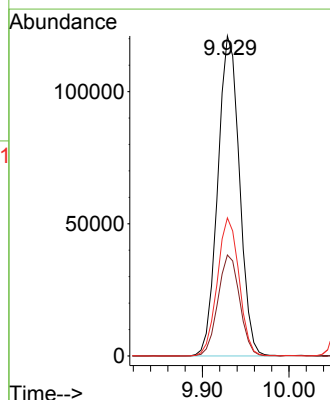
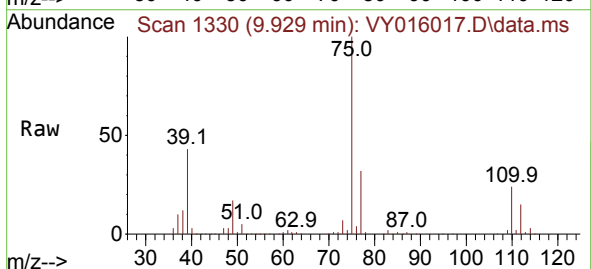
Instrument :
 MSVOA_Y
 ClientSampleId :

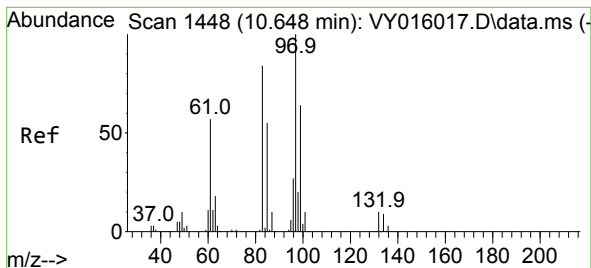
Tgt Ion: 75 Resp: 195481
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 50.062 ug/l
 RT: 9.929 min Scan# 1330
 Delta R.T. 0.000 min
 Lab File: VY016017.D
 Acq: 18 Oct 2023 12:40

Tgt Ion: 75 Resp: 210580
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.2 36.4
 39 43.1 42.2 63.4





#55

1,1,2-Trichloroethane

Concen: 50.114 ug/l

RT: 10.648 min Scan# 1448

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 97 Resp: 111898

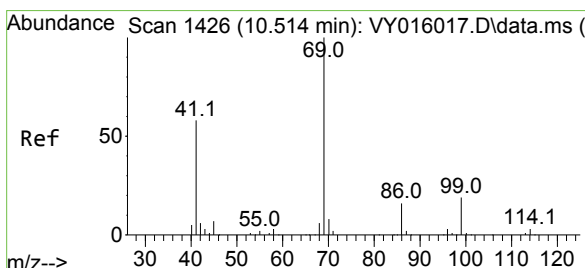
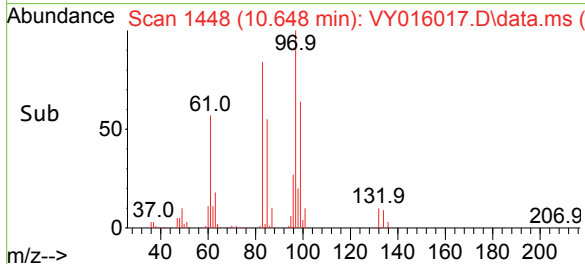
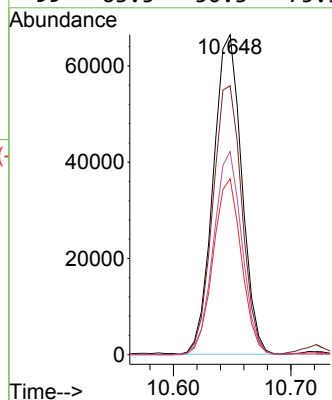
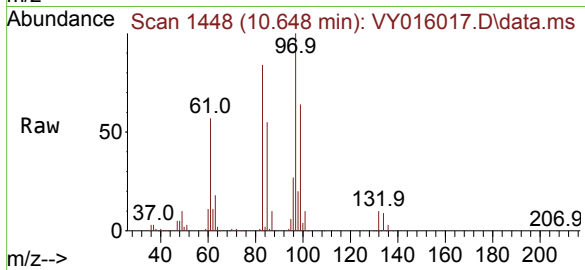
Ion Ratio Lower Upper

97 100

83 84.1 72.0 108.0

85 55.1 45.4 68.0

99 63.5 50.3 75.5



#56

Ethyl methacrylate

Concen: 52.248 ug/l

RT: 10.514 min Scan# 1426

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

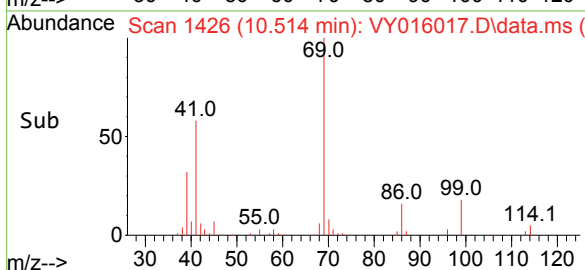
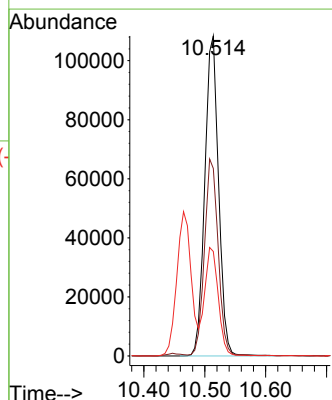
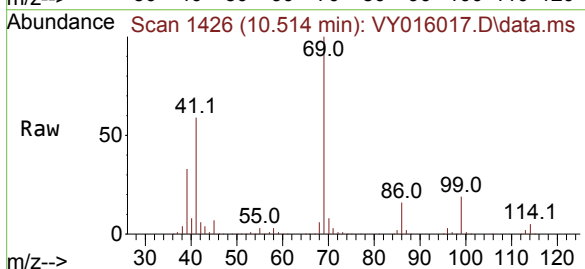
Tgt Ion: 69 Resp: 170494

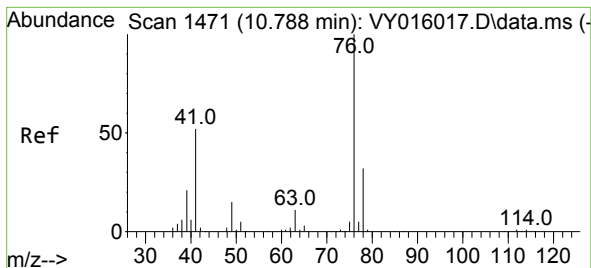
Ion Ratio Lower Upper

69 100

41 60.8 57.6 86.4

39 33.3 34.1 51.1#





#57

1,3-Dichloropropane

Concen: 50.264 ug/l

RT: 10.788 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

Instrument :

MSVOA_Y

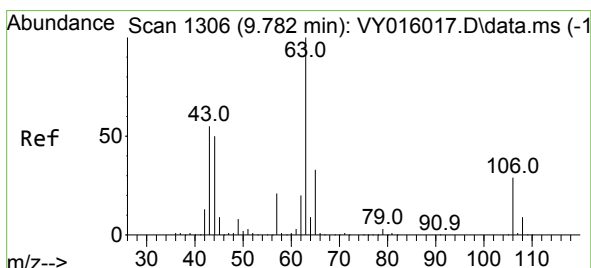
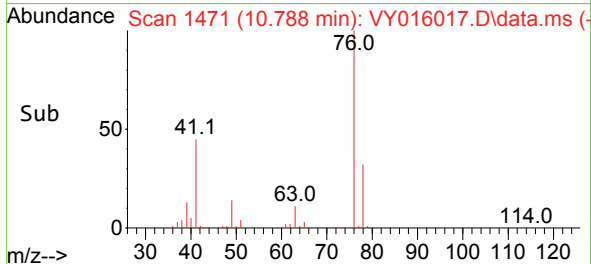
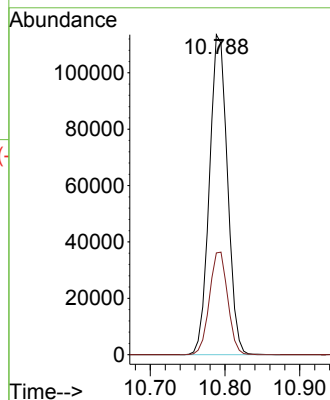
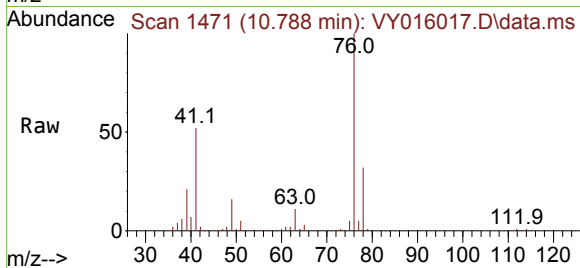
ClientSampleId :

Tgt Ion: 76 Resp: 190395

Ion Ratio Lower Upper

76 100

78 32.4 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 256.273 ug/l

RT: 9.782 min Scan# 1306

Delta R.T. 0.000 min

Lab File: VY016017.D

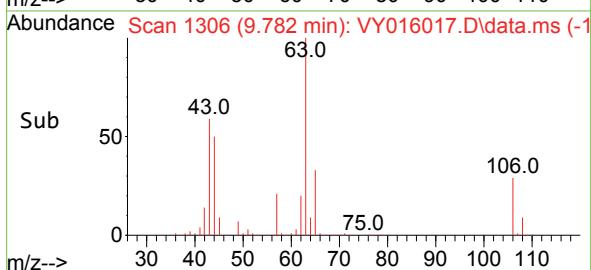
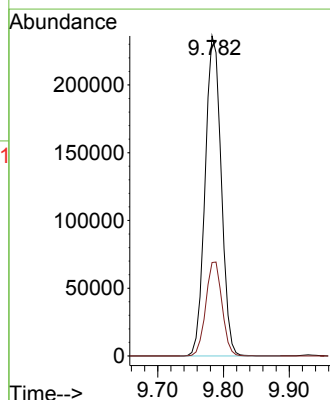
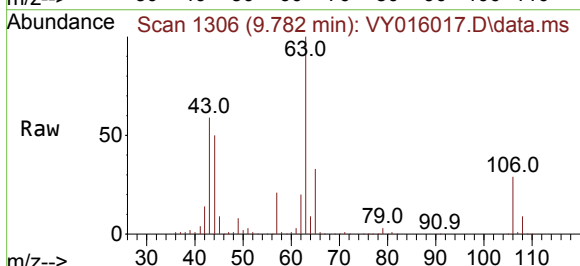
Acq: 18 Oct 2023 12:40

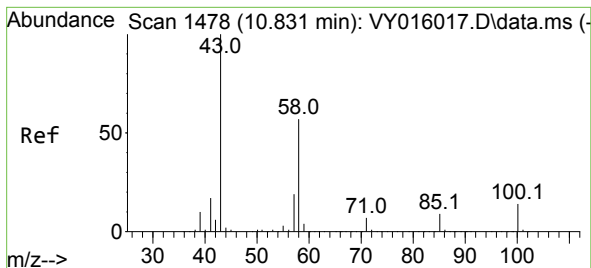
Tgt Ion: 63 Resp: 401675

Ion Ratio Lower Upper

63 100

106 29.6 21.2 31.8





#59

2-Hexanone

Concen: 259.143 ug/l

RT: 10.831 min Scan# 1478

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

Instrument :

MSVOA_Y

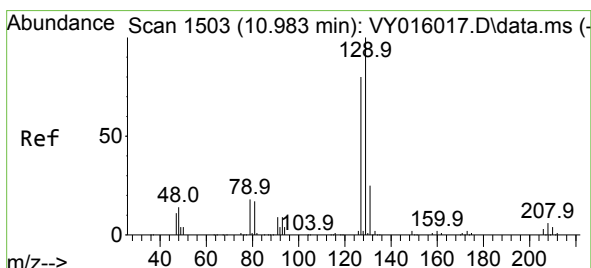
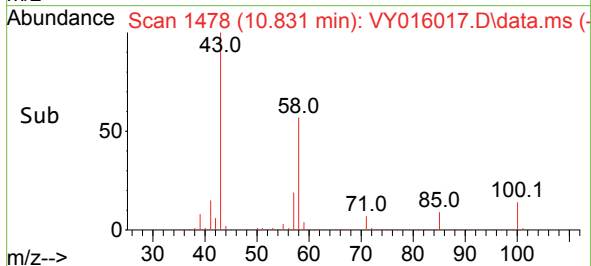
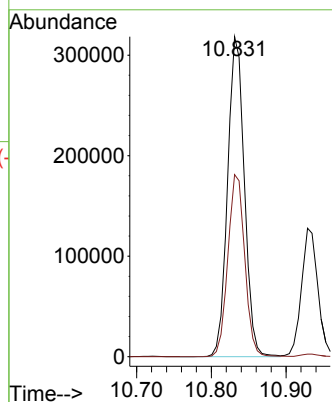
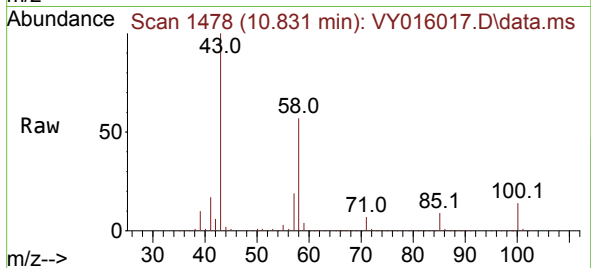
ClientSampleId :

Tgt Ion: 43 Resp: 495939

Ion Ratio Lower Upper

43 100

58 57.3 25.1 75.3



#60

Dibromochloromethane

Concen: 49.974 ug/l

RT: 10.983 min Scan# 1503

Delta R.T. 0.000 min

Lab File: VY016017.D

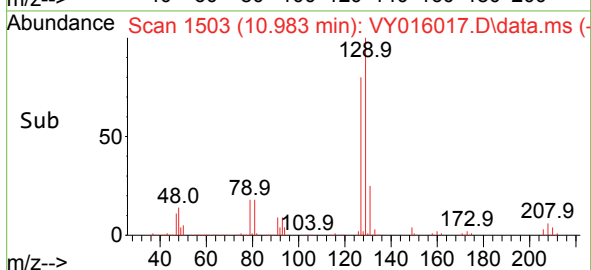
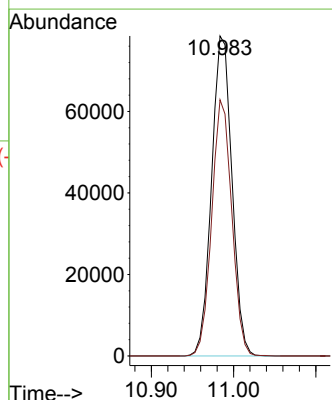
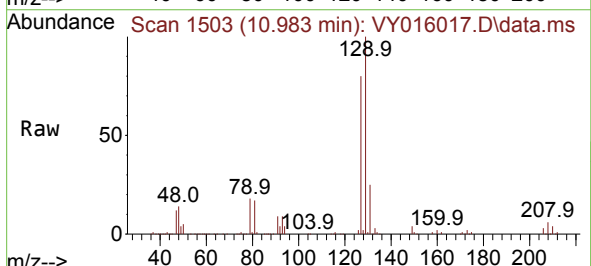
Acq: 18 Oct 2023 12:40

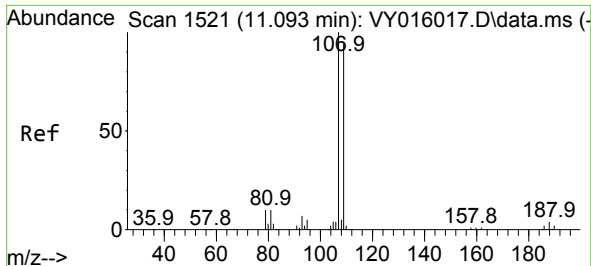
Tgt Ion:129 Resp: 134949

Ion Ratio Lower Upper

129 100

127 78.7 38.5 115.5

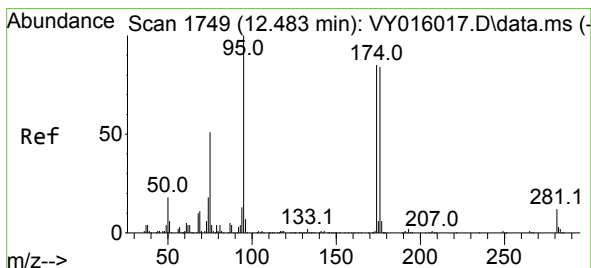
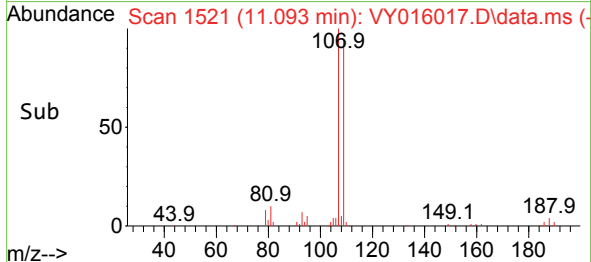
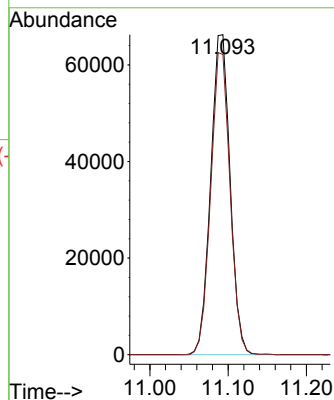
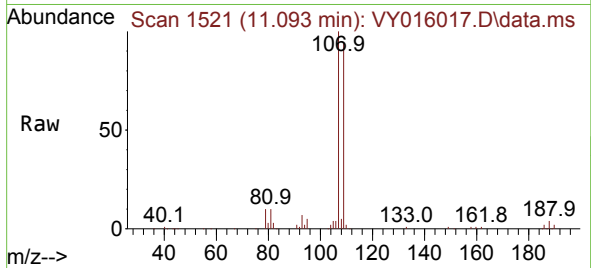




#61
1,2-Dibromoethane
Concen: 50.298 ug/l
RT: 11.093 min Scan# 1521
Delta R.T. 0.000 min
Lab File: VY016017.D
Acq: 18 Oct 2023 12:40

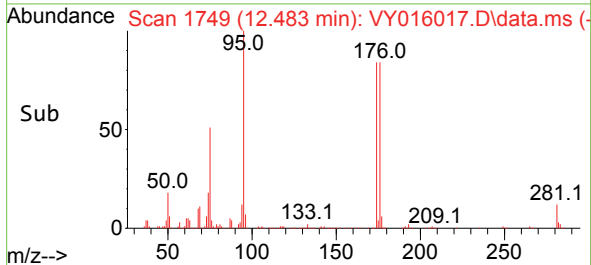
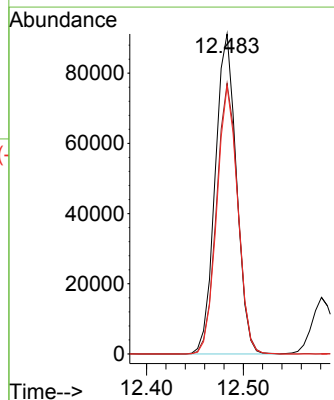
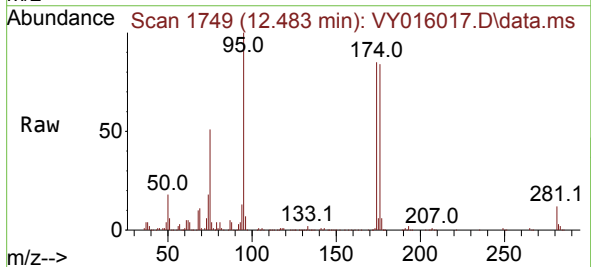
Instrument :
MSVOA_Y
ClientSampleId :

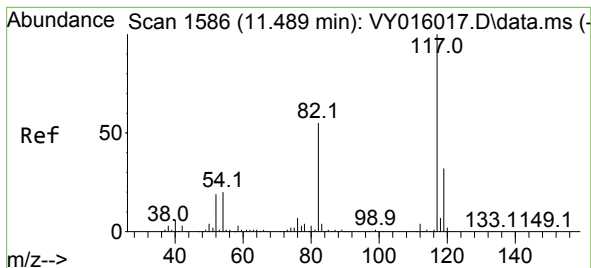
Tgt Ion:107 Resp: 114295
Ion Ratio Lower Upper
107 100
109 93.8 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 46.478 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY016017.D
Acq: 18 Oct 2023 12:40

Tgt Ion: 95 Resp: 138951
Ion Ratio Lower Upper
95 100
174 84.9 0.0 178.2
176 82.3 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

Instrument :

MSVOA_Y

ClientSampleId :

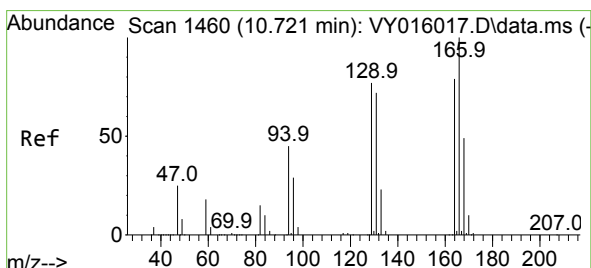
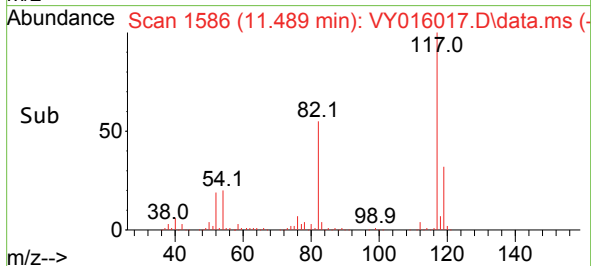
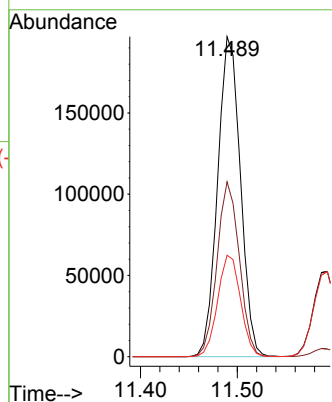
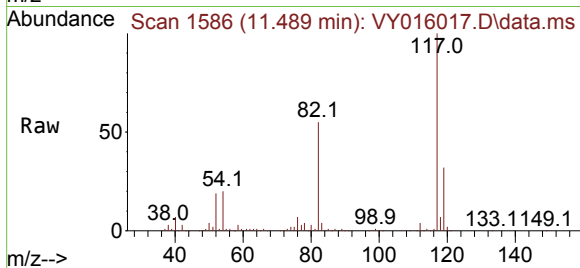
Tgt Ion:117 Resp: 321693

Ion Ratio Lower Upper

117 100

82 54.7 43.4 65.0

119 31.7 26.3 39.5



#64

Tetrachloroethene

Concen: 48.414 ug/l

RT: 10.721 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

Tgt Ion:164 Resp: 120768

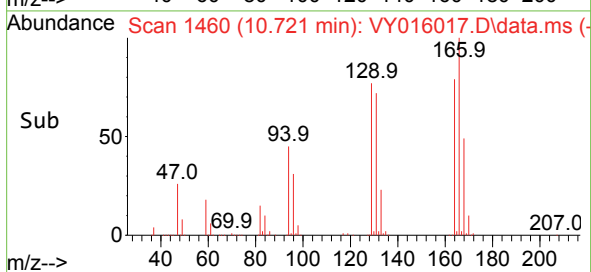
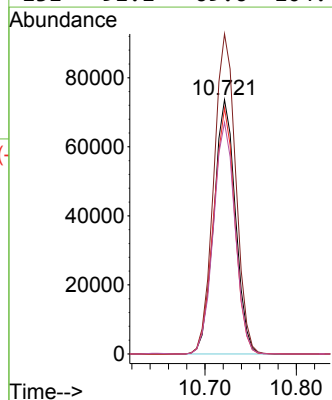
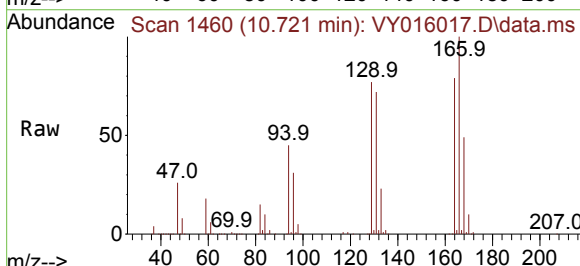
Ion Ratio Lower Upper

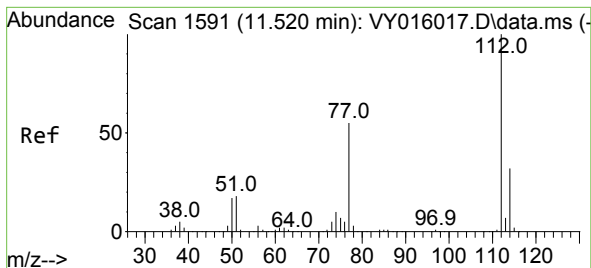
164 100

166 125.9 103.0 154.6

129 96.8 77.2 115.8

131 91.1 69.6 104.4





#65

Chlorobenzene

Concen: 49.412 ug/l

RT: 11.520 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

Instrument :

MSVOA_Y

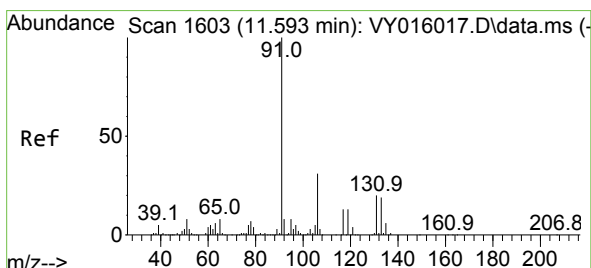
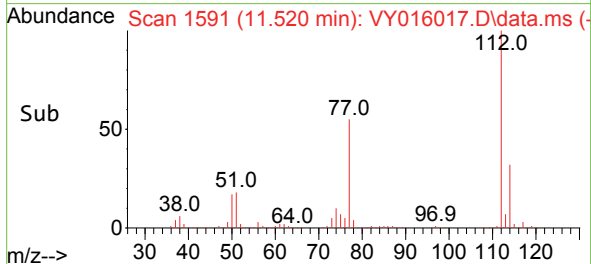
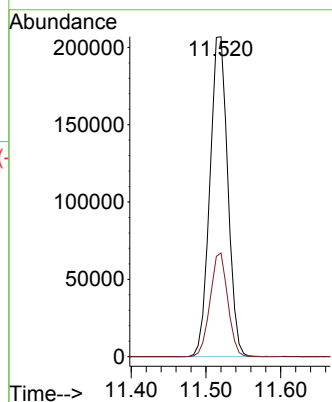
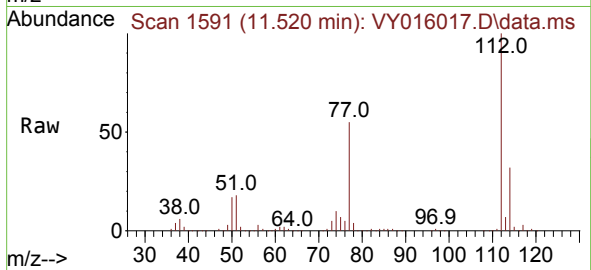
ClientSampleId :

Tgt Ion:112 Resp: 344249

Ion Ratio Lower Upper

112 100

114 32.4 25.5 38.3



#66

1,1,1,2-Tetrachloroethane

Concen: 49.033 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

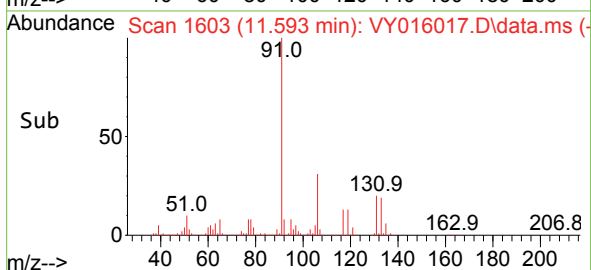
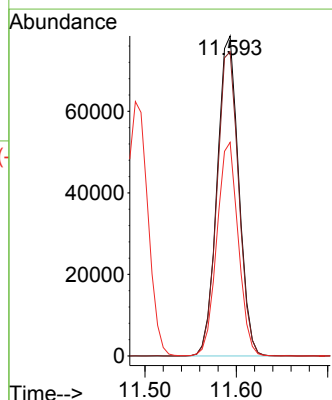
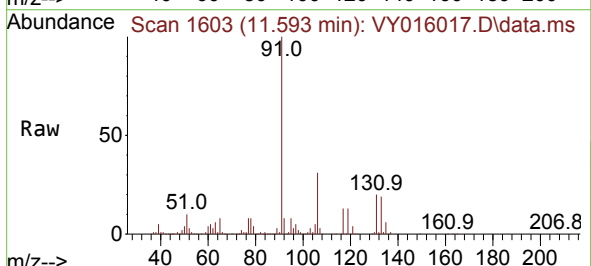
Tgt Ion:131 Resp: 128758

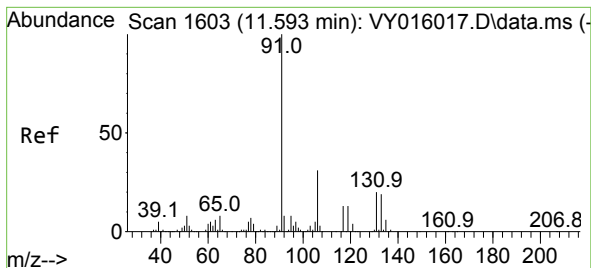
Ion Ratio Lower Upper

131 100

133 95.9 47.5 142.6

119 66.3 31.6 94.7





#67

Ethyl Benzene

Concen: 49.776 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

Instrument :

MSVOA_Y

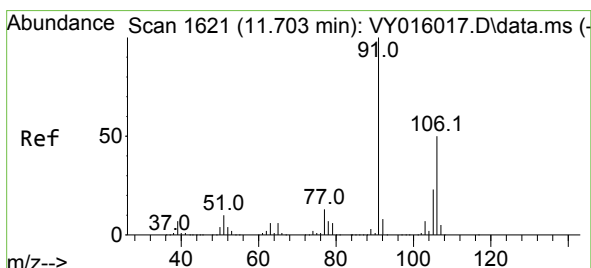
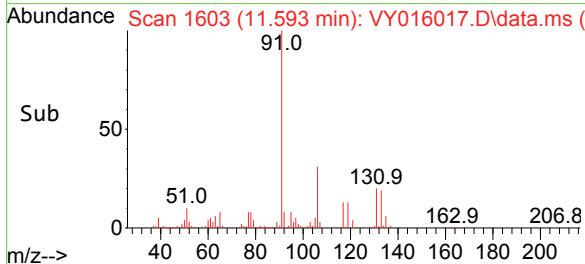
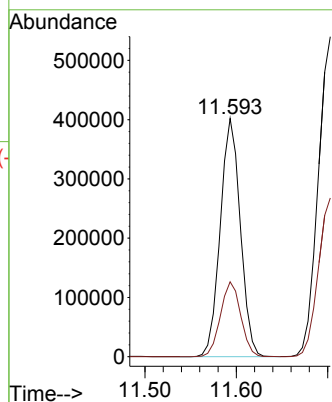
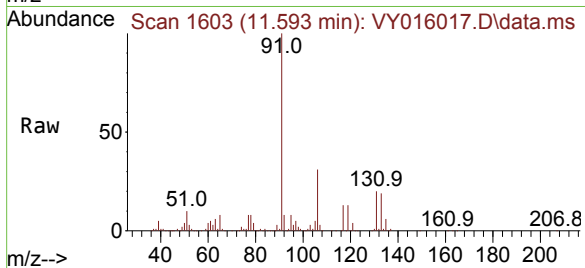
ClientSampleId :

Tgt Ion: 91 Resp: 613647

Ion Ratio Lower Upper

91 100

106 31.4 24.6 36.8



#68

m/p-Xylenes

Concen: 99.797 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. 0.000 min

Lab File: VY016017.D

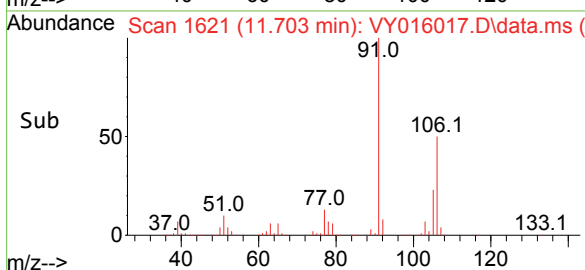
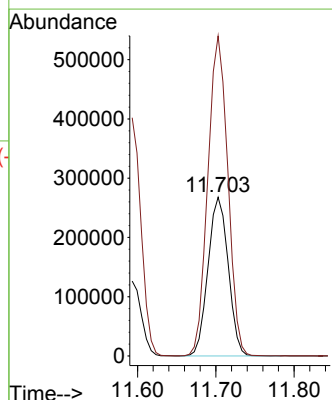
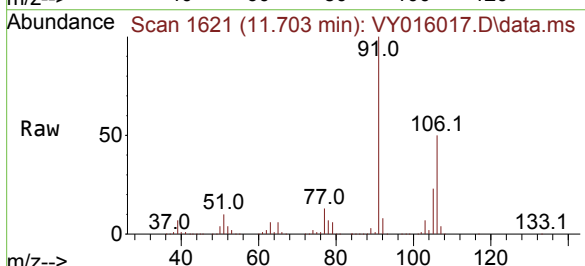
Acq: 18 Oct 2023 12:40

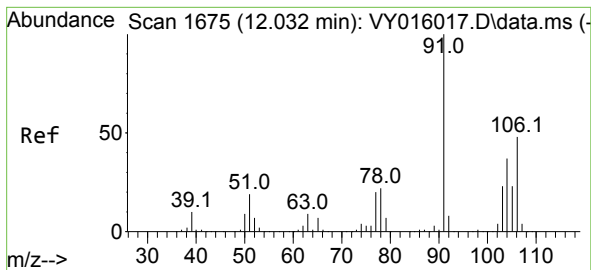
Tgt Ion:106 Resp: 479754

Ion Ratio Lower Upper

106 100

91 199.5 166.1 249.1





#69

o-Xylene

Concen: 49.936 ug/l

RT: 12.032 min Scan# 1675

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

Instrument :

MSVOA_Y

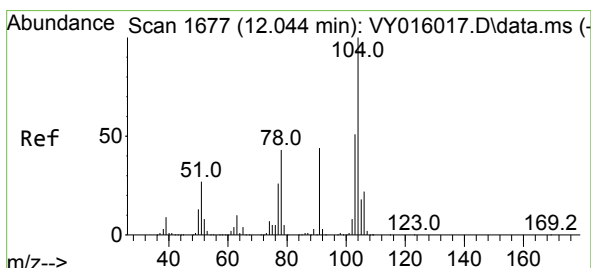
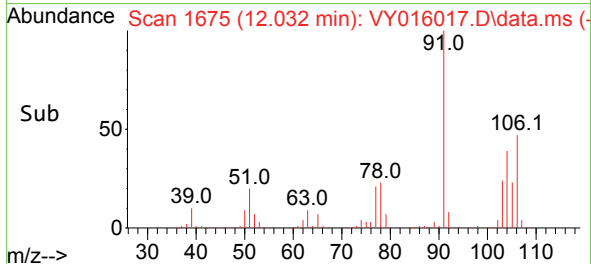
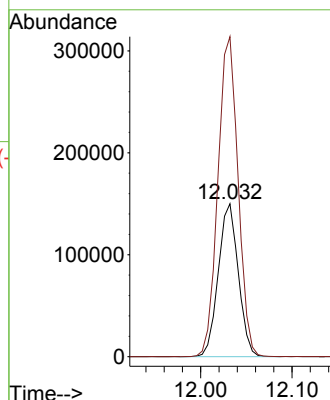
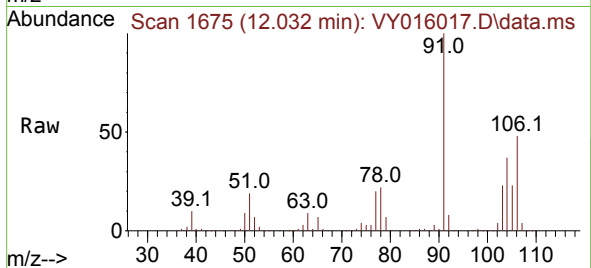
ClientSampleId :

Tgt Ion:106 Resp: 228375

Ion Ratio Lower Upper

106 100

91 211.0 108.1 324.3



#70

Styrene

Concen: 50.017 ug/l

RT: 12.044 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

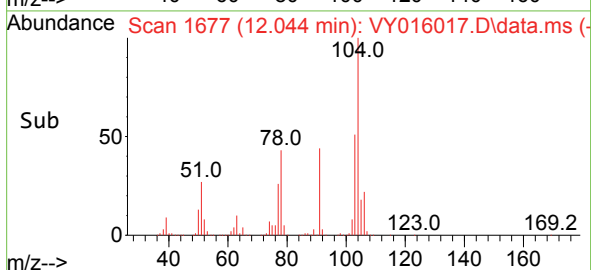
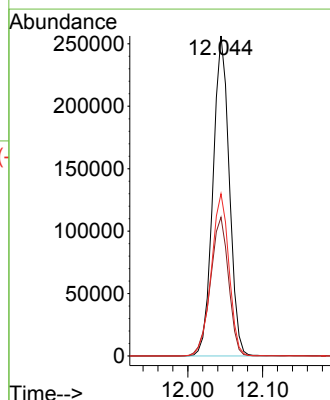
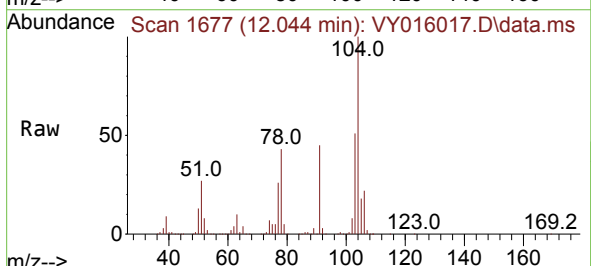
Tgt Ion:104 Resp: 389865

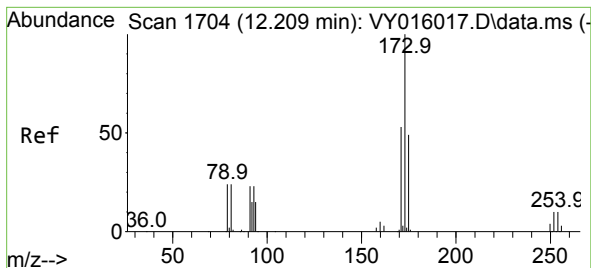
Ion Ratio Lower Upper

104 100

78 47.9 41.5 62.3

103 54.7 44.6 67.0





#71

Bromoform

Concen: 51.039 ug/l

RT: 12.209 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

Instrument :

MSVOA_Y

ClientSampleId :

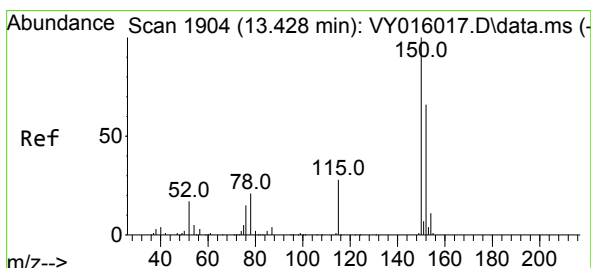
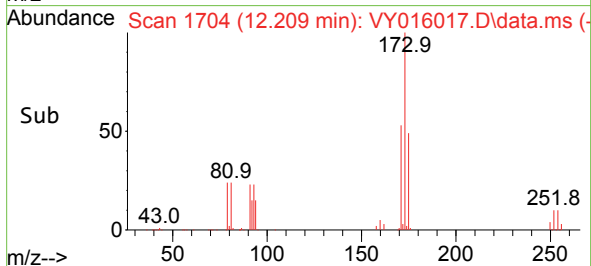
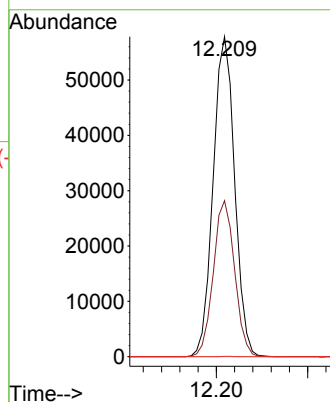
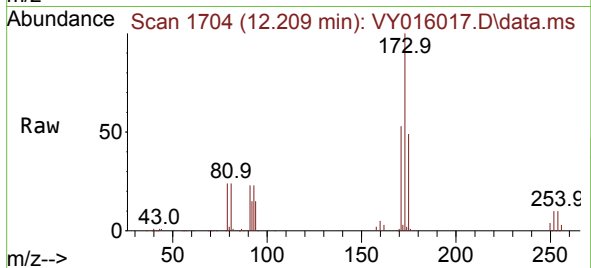
Tgt Ion:173 Resp: 94308

Ion Ratio Lower Upper

173 100

175 48.4 24.6 73.8

254 0.1 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

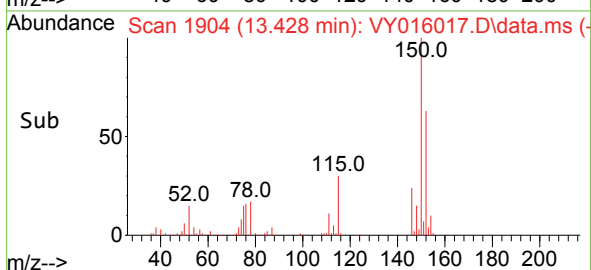
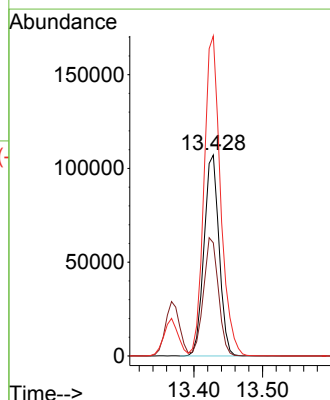
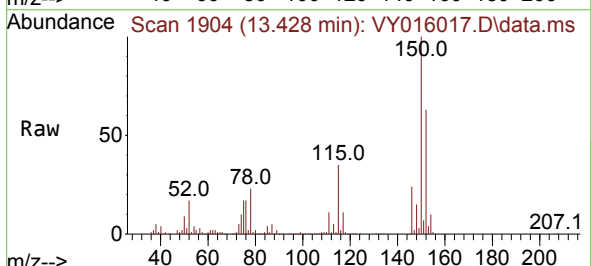
Tgt Ion:152 Resp: 164157

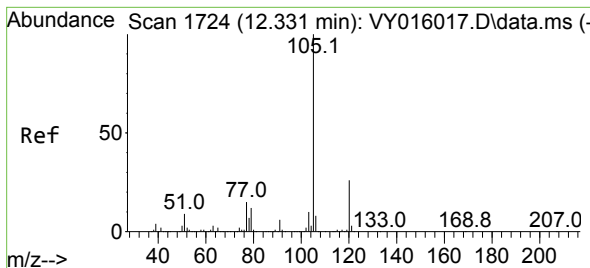
Ion Ratio Lower Upper

152 100

115 58.6 28.8 86.5

150 174.5 0.0 348.8





#73

Isopropylbenzene

Concen: 49.224 ug/l

RT: 12.331 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

Instrument :

MSVOA_Y

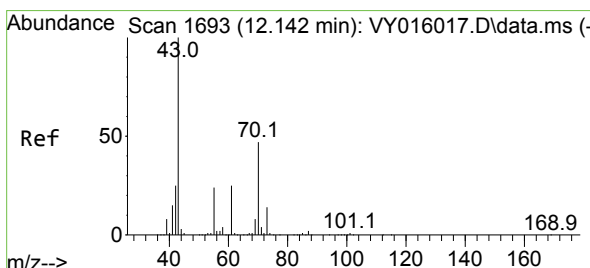
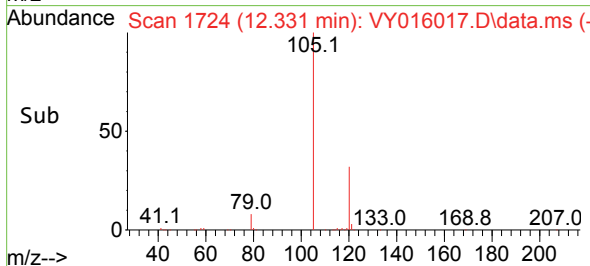
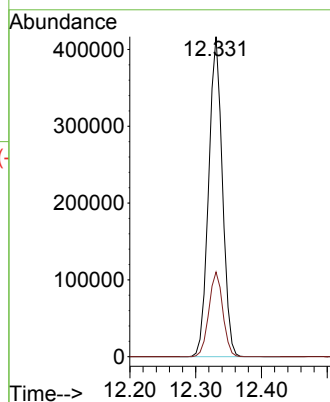
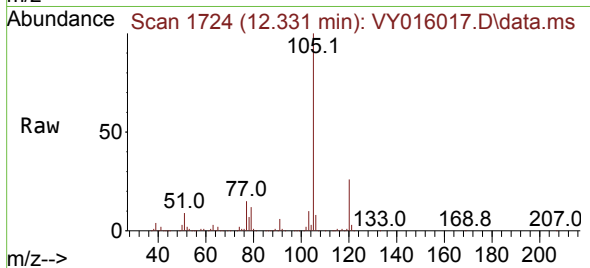
ClientSampleId :

Tgt Ion:105 Resp: 604450

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.9



#74

N-ethyl acetate

Concen: 51.122 ug/l

RT: 12.142 min Scan# 1693

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

Tgt Ion: 43 Resp: 198279

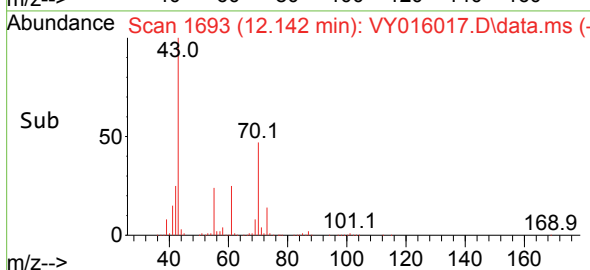
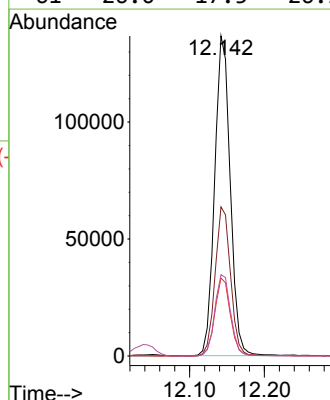
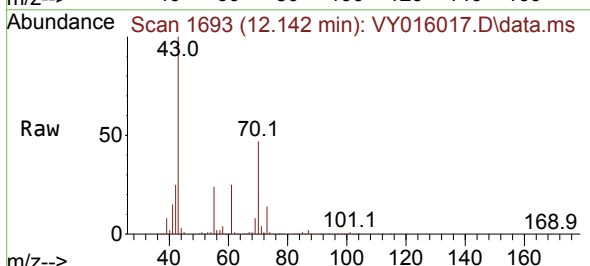
Ion Ratio Lower Upper

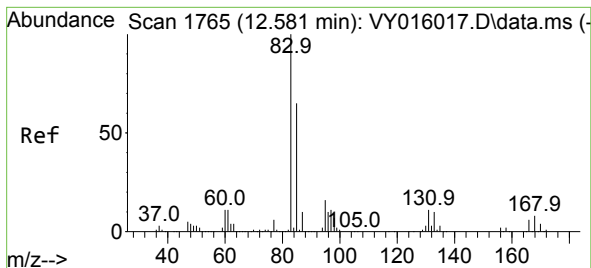
43 100

70 46.3 29.7 44.5

55 24.7 18.3 27.5

61 26.0 17.5 26.3





#75

1,1,2,2-Tetrachloroethane

Concen: 49.267 ug/l

RT: 12.581 min Scan# 1765

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

Instrument :

MSVOA_Y

ClientSampleId :

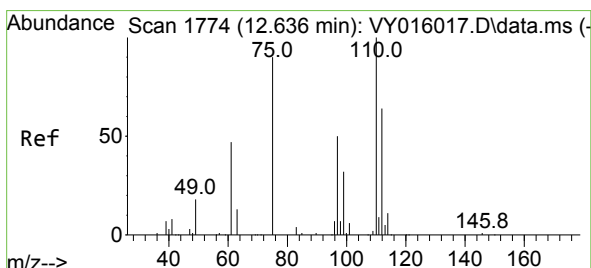
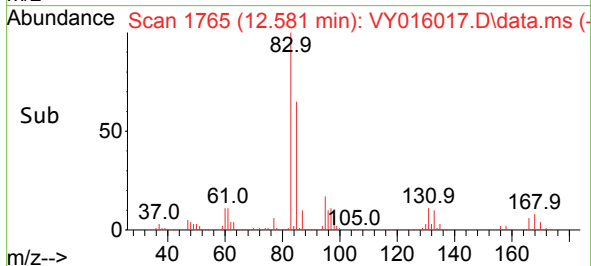
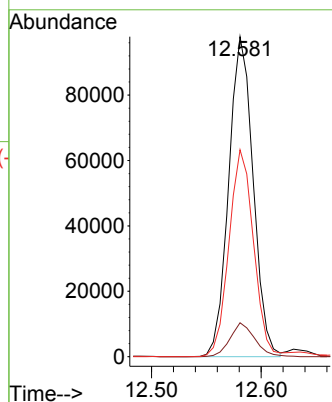
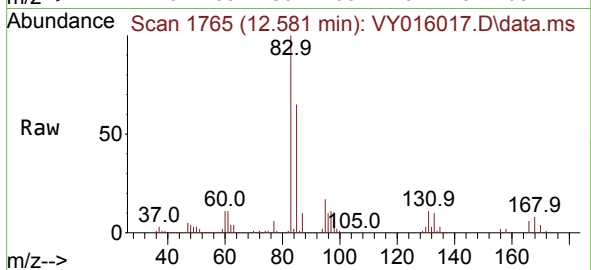
Tgt Ion: 83 Resp: 151523

Ion Ratio Lower Upper

83 100

131 10.7 5.4 16.2

85 65.1 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 84.346 ug/l

RT: 12.636 min Scan# 1774

Delta R.T. 0.000 min

Lab File: VY016017.D

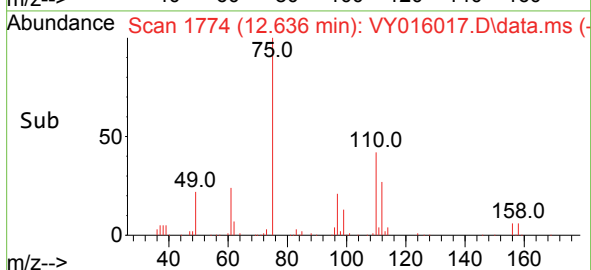
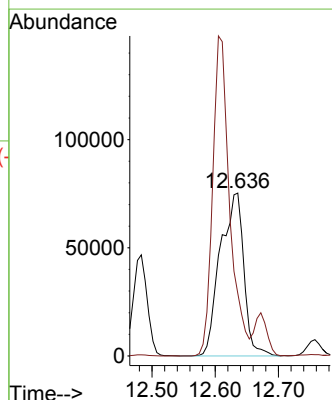
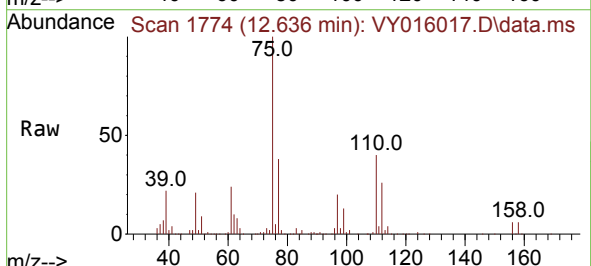
Acq: 18 Oct 2023 12:40

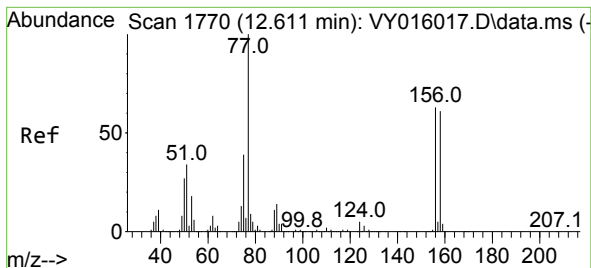
Tgt Ion: 75 Resp: 195309

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 49.085 ug/l

RT: 12.611 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

Instrument :

MSVOA_Y

ClientSampleId :

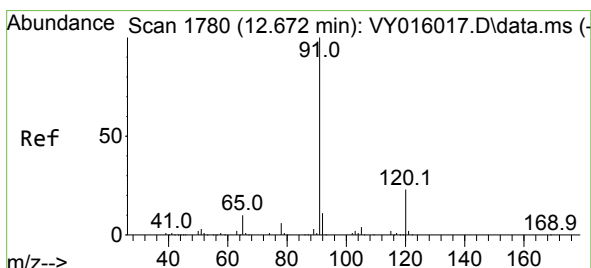
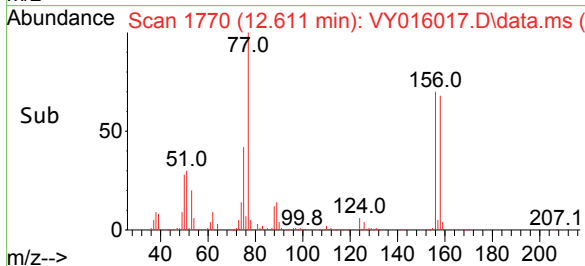
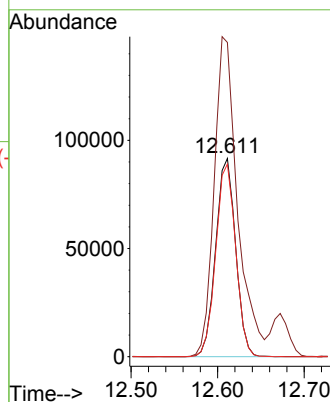
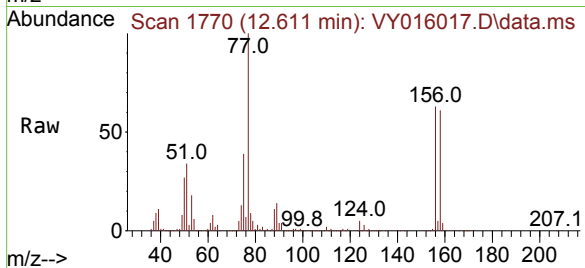
Tgt Ion:156 Resp: 146298

Ion Ratio Lower Upper

156 100

77 189.1 92.8 278.6

158 97.5 48.4 145.3



#78

n-propylbenzene

Concen: 49.373 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.000 min

Lab File: VY016017.D

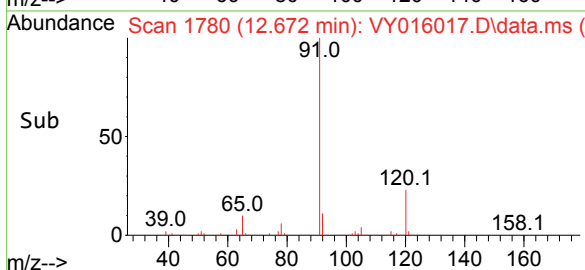
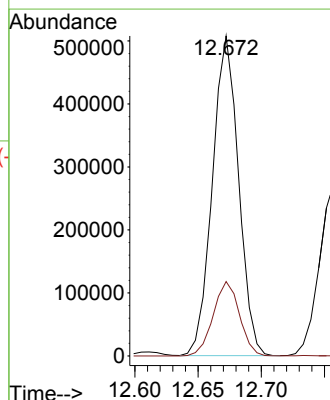
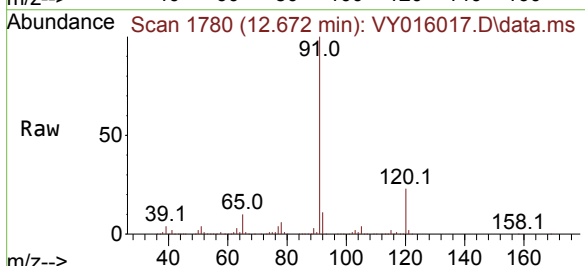
Acq: 18 Oct 2023 12:40

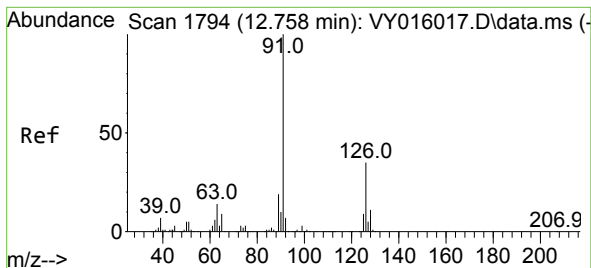
Tgt Ion: 91 Resp: 730253

Ion Ratio Lower Upper

91 100

120 23.3 11.5 34.4





#79

2-Chlorotoluene

Concen: 49.296 ug/l

RT: 12.758 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

Instrument :

MSVOA_Y

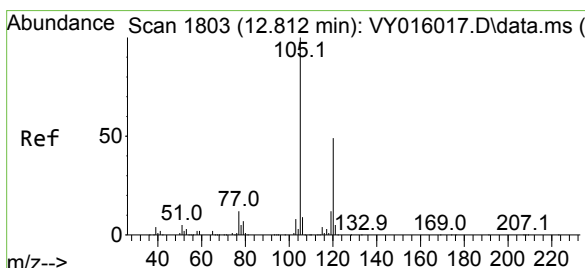
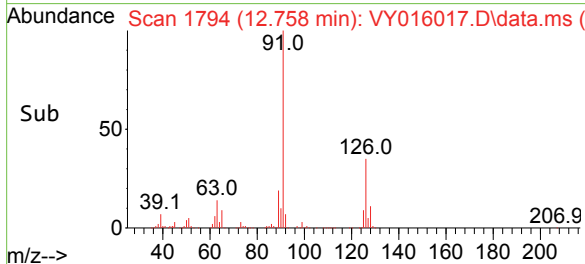
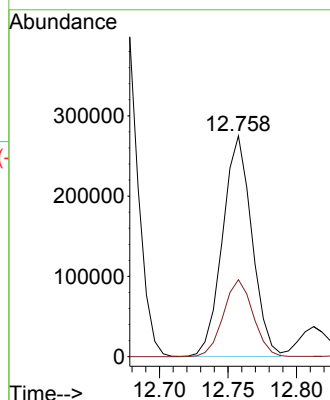
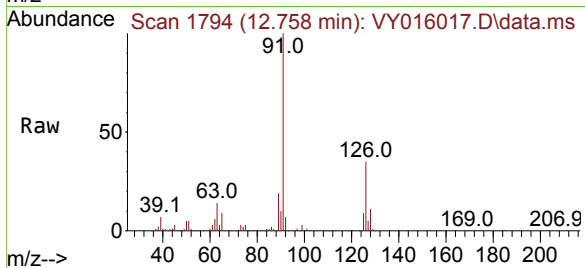
ClientSampleId :

Tgt Ion: 91 Resp: 409249

Ion Ratio Lower Upper

91 100

126 35.4 17.3 51.7



#80

1,3,5-Trimethylbenzene

Concen: 49.611 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY016017.D

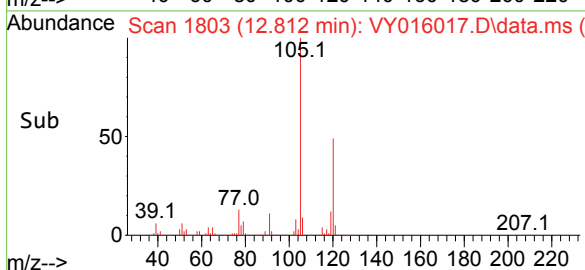
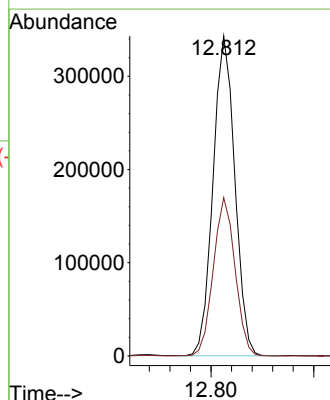
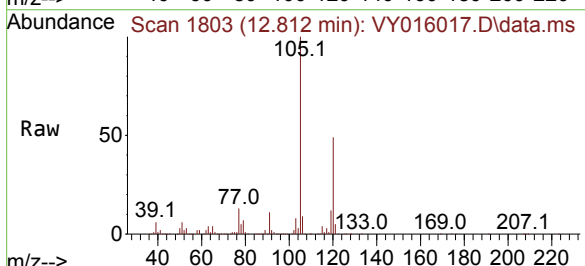
Acq: 18 Oct 2023 12:40

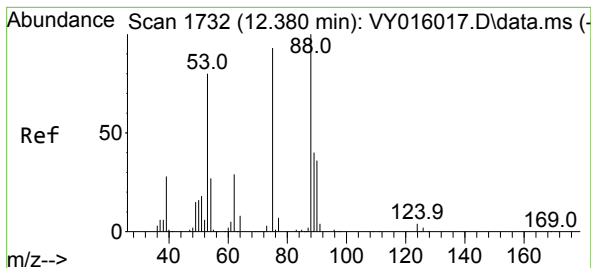
Tgt Ion: 105 Resp: 504597

Ion Ratio Lower Upper

105 100

120 49.4 23.9 71.7

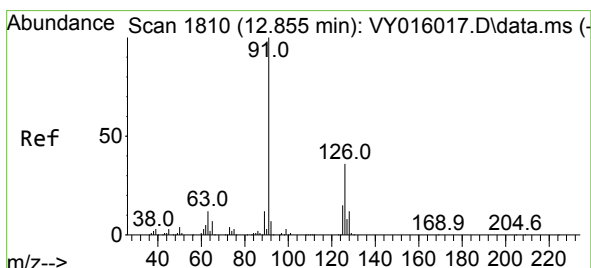
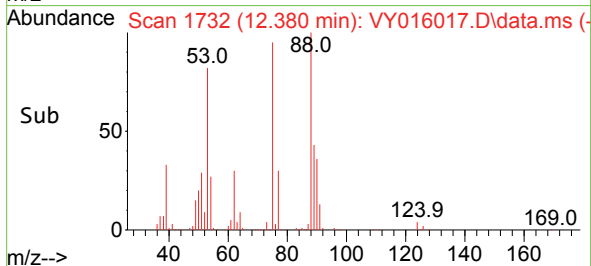
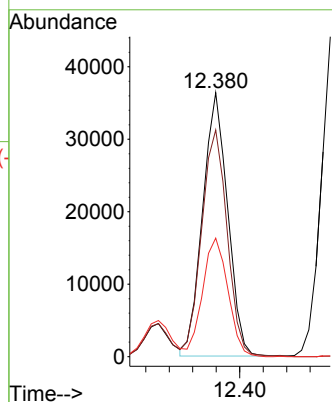
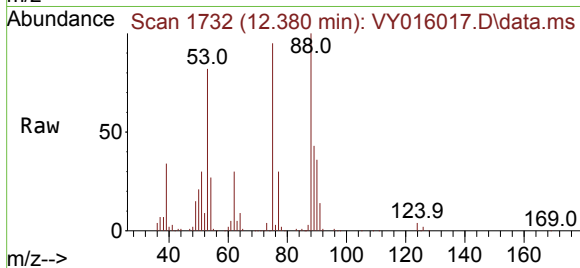




#81
trans-1,4-Dichloro-2-butene
Concen: 50.454 ug/l
RT: 12.380 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VY016017.D
Acq: 18 Oct 2023 12:40

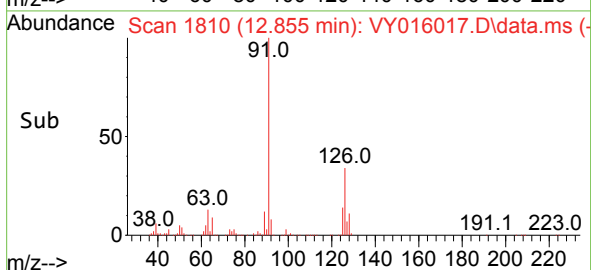
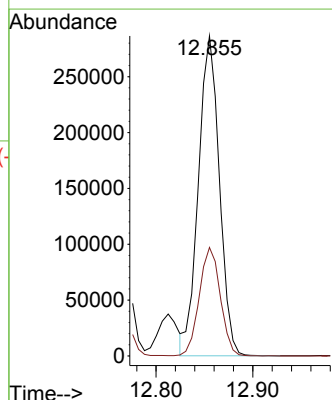
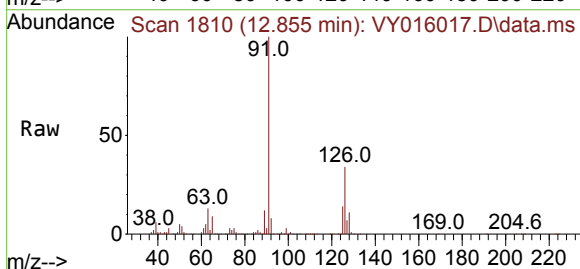
Instrument :
MSVOA_Y
ClientSampleId :

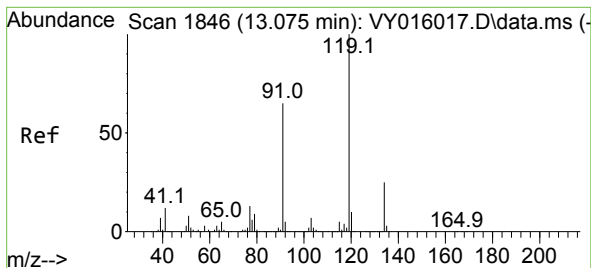
Tgt Ion: 75 Resp: 53722
Ion Ratio Lower Upper
75 100
53 88.3 77.8 116.8
89 45.4 37.4 56.0



#82
4-Chlorotoluene
Concen: 49.792 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VY016017.D
Acq: 18 Oct 2023 12:40

Tgt Ion: 91 Resp: 431415
Ion Ratio Lower Upper
91 100
126 34.2 17.2 51.6





#83

tert-Butylbenzene

Concen: 49.812 ug/l

RT: 13.075 min Scan# 1846

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

Instrument :

MSVOA_Y

ClientSampleId :

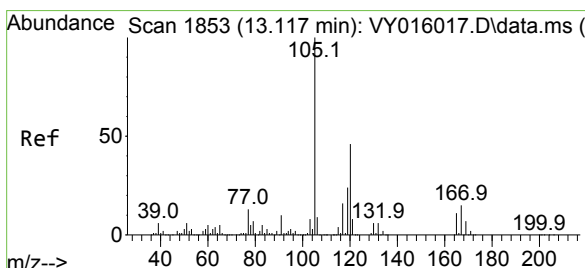
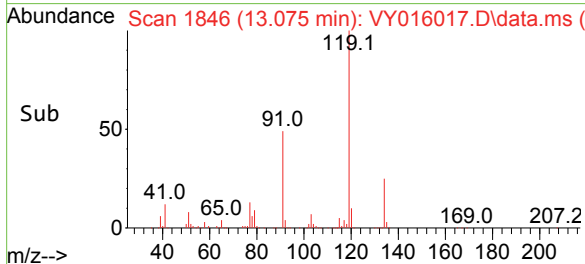
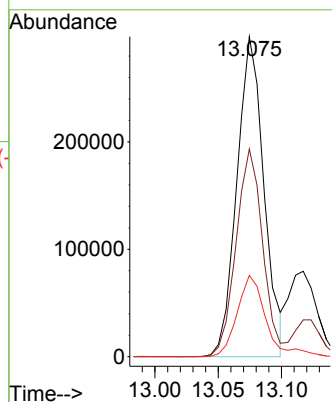
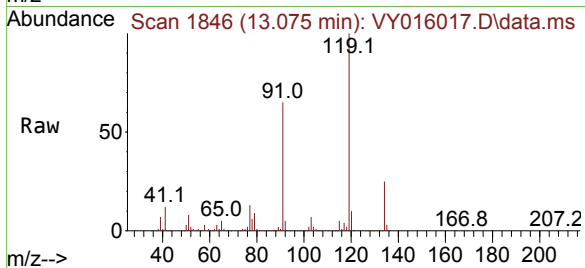
Tgt Ion:119 Resp: 444253

Ion Ratio Lower Upper

119 100

91 63.4 32.9 98.6

134 27.1 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 50.150 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY016017.D

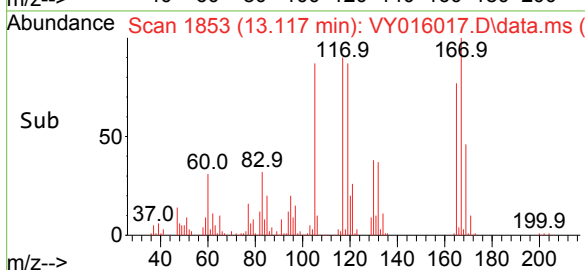
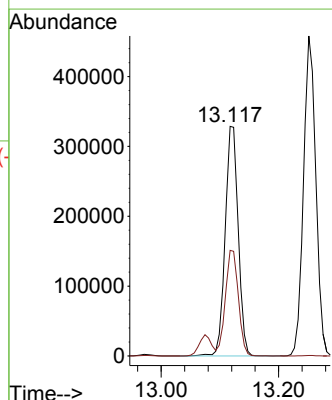
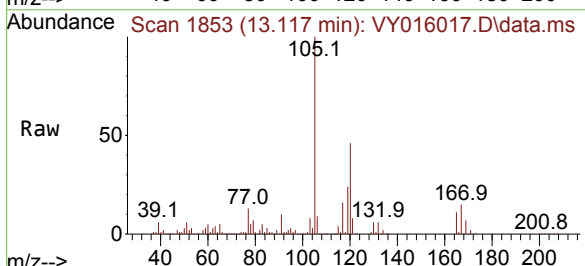
Acq: 18 Oct 2023 12:40

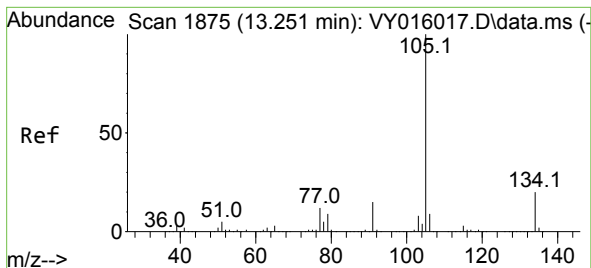
Tgt Ion:105 Resp: 506521

Ion Ratio Lower Upper

105 100

120 45.8 22.2 66.6





#85

sec-Butylbenzene

Concen: 49.900 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

Instrument :

MSVOA_Y

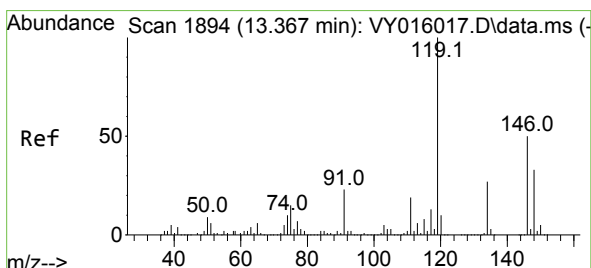
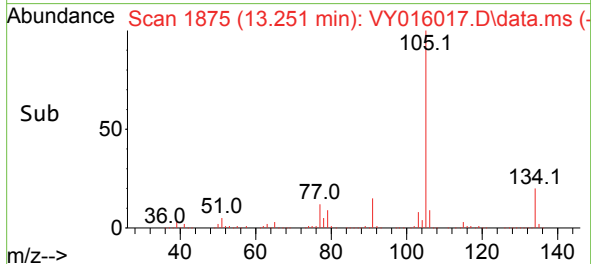
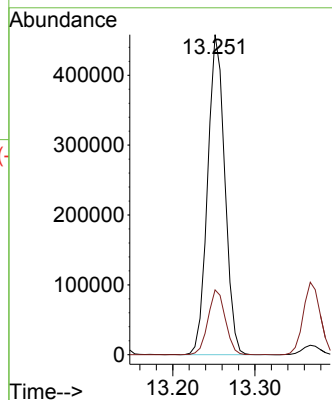
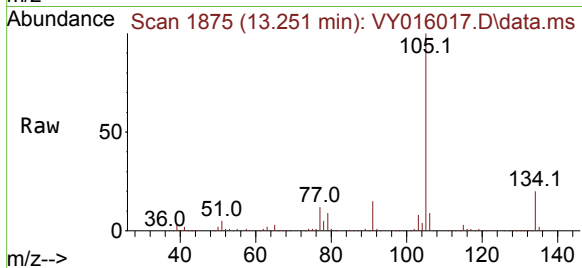
ClientSampleId :

Tgt Ion:105 Resp: 664679

Ion Ratio Lower Upper

105 100

134 20.4 10.2 30.6



#86

p-Isopropyltoluene

Concen: 50.278 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

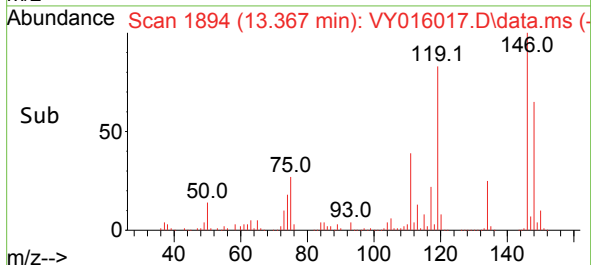
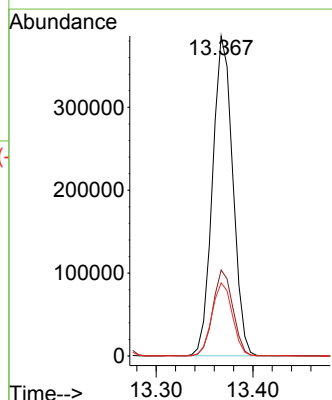
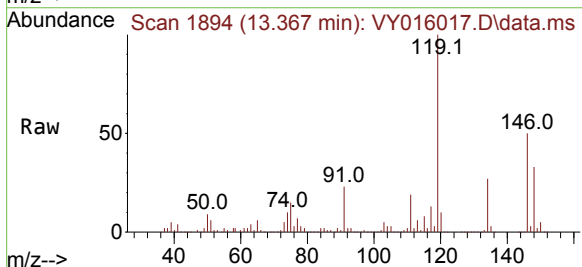
Tgt Ion:119 Resp: 559662

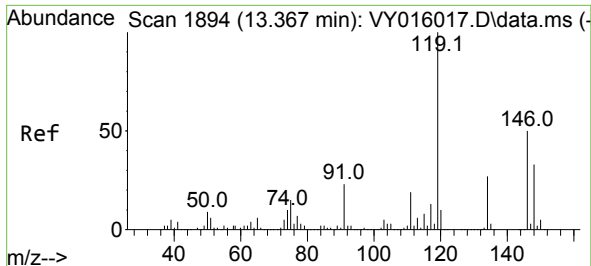
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

91 23.1 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 49.443 ug/l

RT: 13.367 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

Instrument :

MSVOA_Y

ClientSampleId :

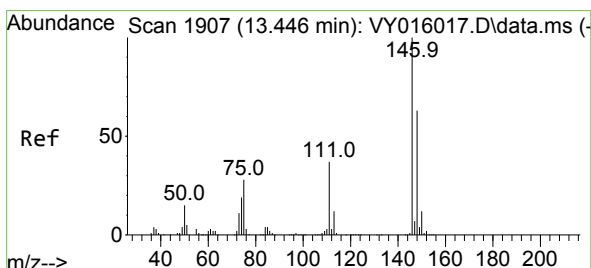
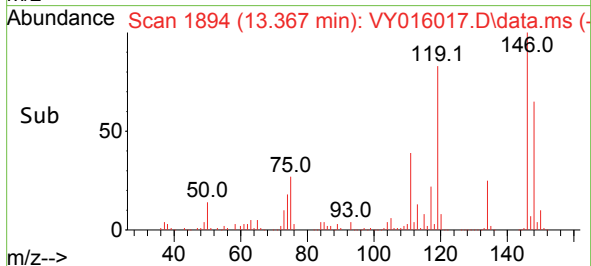
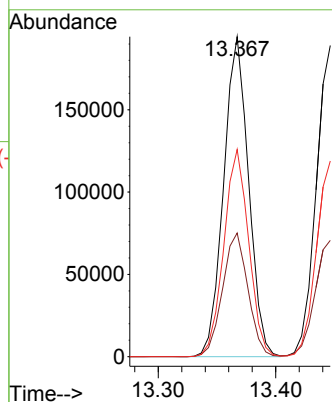
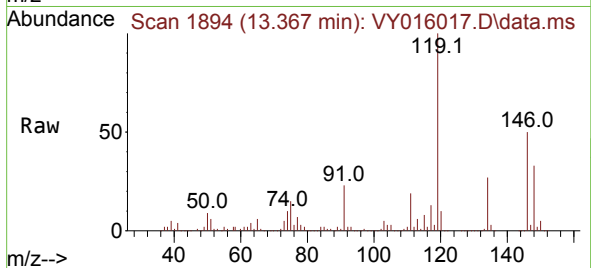
Tgt Ion:146 Resp: 286721

Ion Ratio Lower Upper

146 100

111 39.4 19.4 58.2

148 64.7 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 49.109 ug/l

RT: 13.446 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

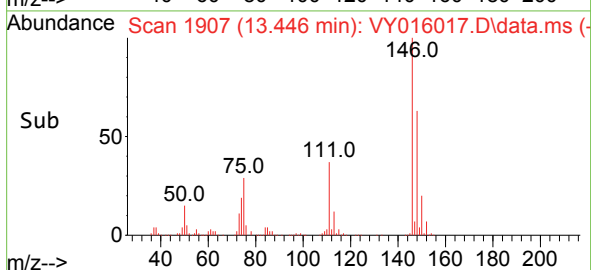
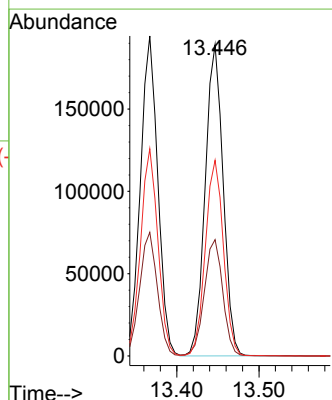
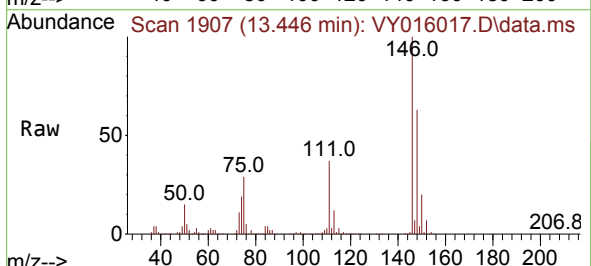
Tgt Ion:146 Resp: 286732

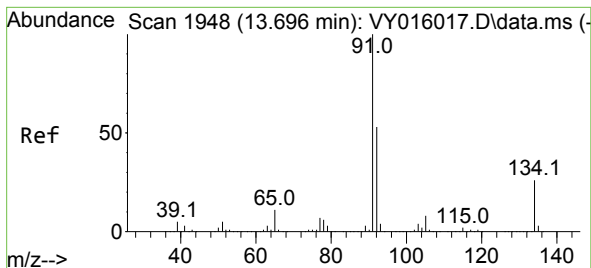
Ion Ratio Lower Upper

146 100

111 38.3 18.9 56.7

148 63.6 32.1 96.5





#89

n-Butylbenzene

Concen: 50.093 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

Instrument :

MSVOA_Y

ClientSampleId :

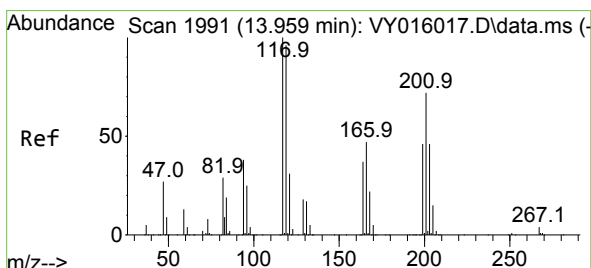
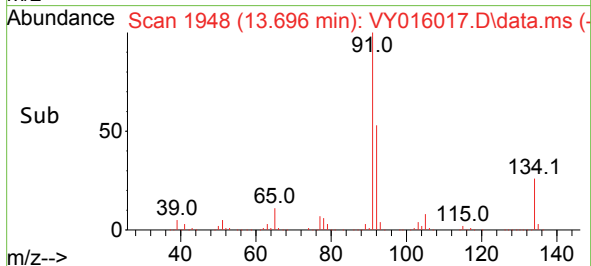
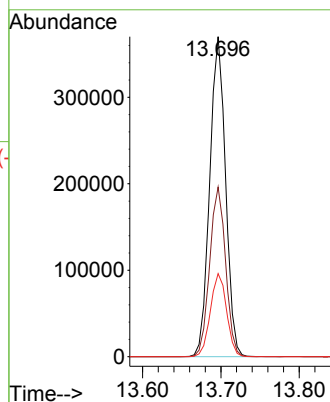
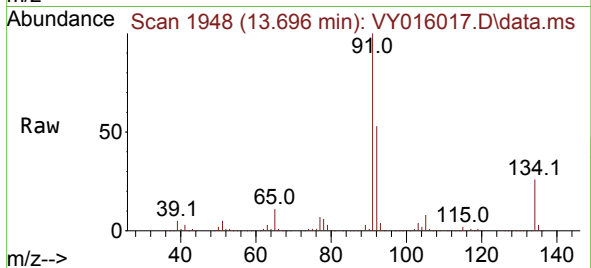
Tgt Ion: 91 Resp: 519096

Ion Ratio Lower Upper

91 100

92 53.3 25.4 76.0

134 26.6 12.6 37.6



#90

Hexachloroethane

Concen: 49.395 ug/l

RT: 13.959 min Scan# 1991

Delta R.T. 0.000 min

Lab File: VY016017.D

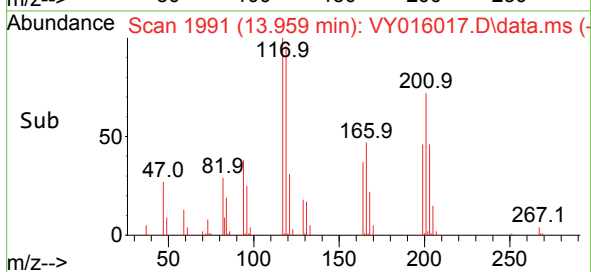
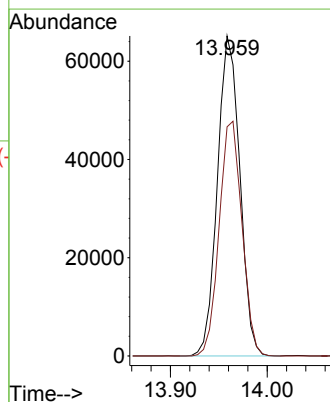
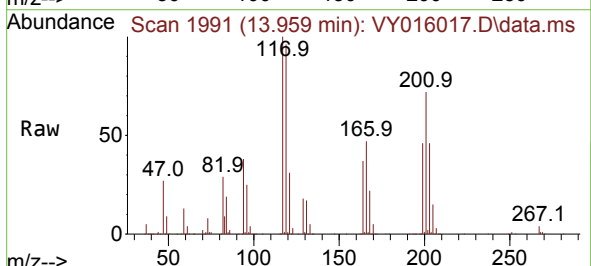
Acq: 18 Oct 2023 12:40

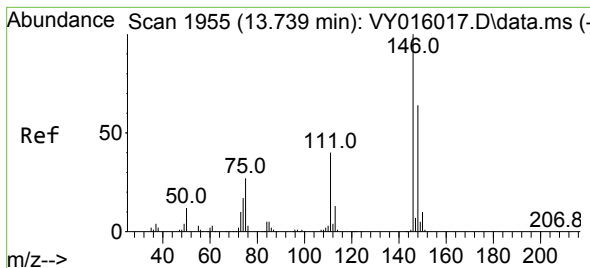
Tgt Ion: 117 Resp: 104815

Ion Ratio Lower Upper

117 100

201 74.6 41.6 124.8





#91

1,2-Dichlorobenzene

Concen: 49.457 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

Instrument :

MSVOA_Y

ClientSampleId :

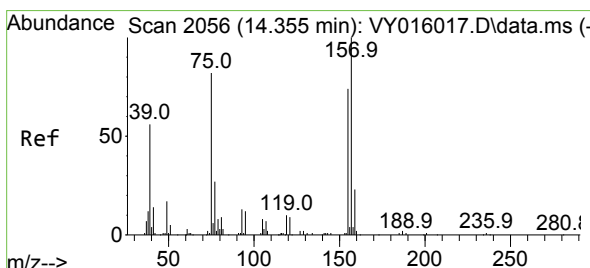
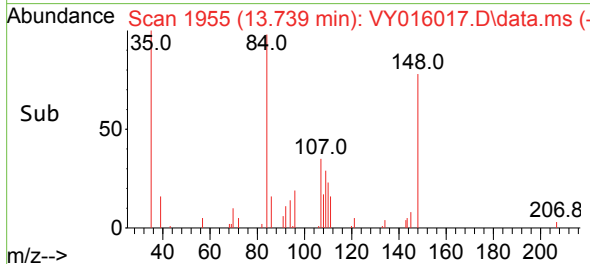
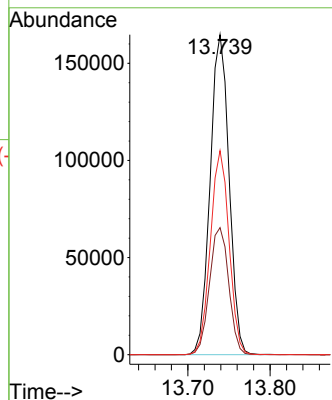
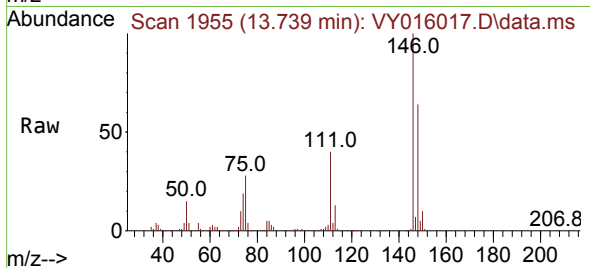
Tgt Ion:146 Resp: 263325

Ion Ratio Lower Upper

146 100

111 40.5 19.7 59.0

148 62.9 32.0 96.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.283 ug/l

RT: 14.355 min Scan# 2056

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

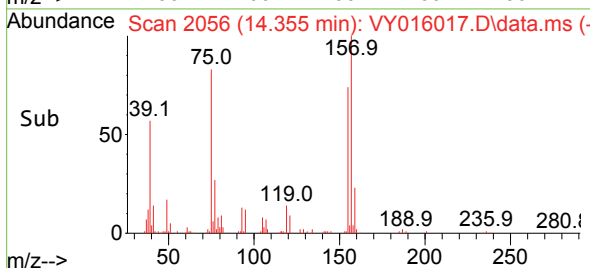
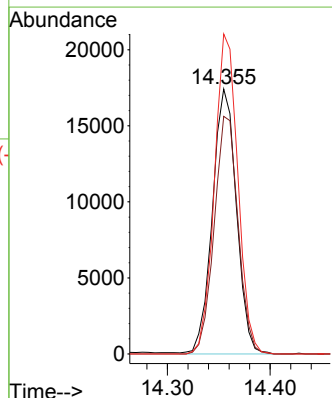
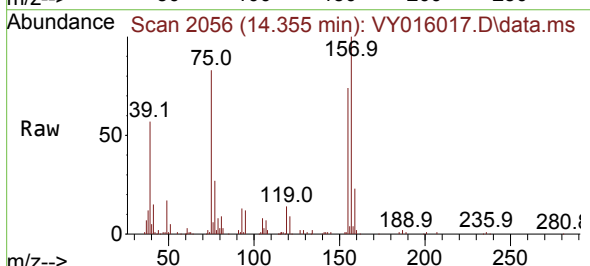
Tgt Ion: 75 Resp: 28267

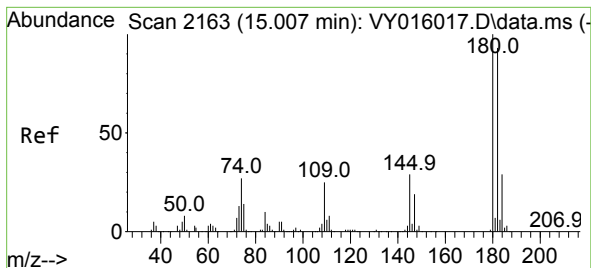
Ion Ratio Lower Upper

75 100

155 89.0 41.5 124.6

157 117.4 51.8 155.5





#93

1,2,4-Trichlorobenzene

Concen: 49.872 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

Instrument :

MSVOA_Y

ClientSampleId :

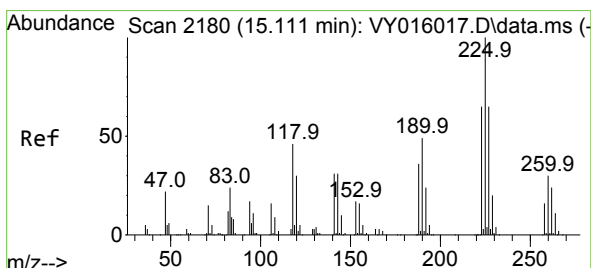
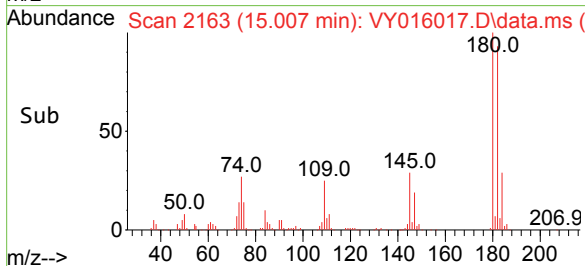
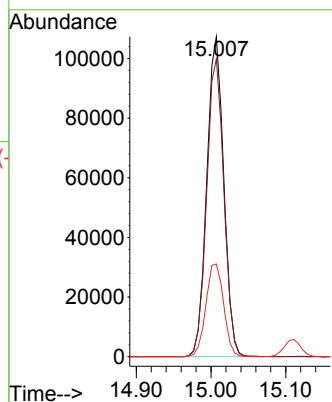
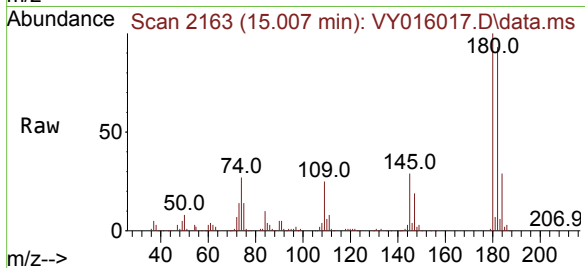
Tgt Ion:180 Resp: 169160

Ion Ratio Lower Upper

180 100

182 94.4 47.0 141.2

145 30.4 14.5 43.5



#94

Hexachlorobutadiene

Concen: 48.688 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

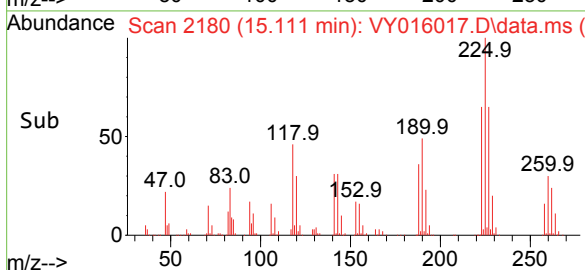
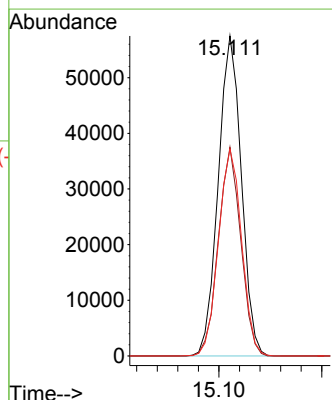
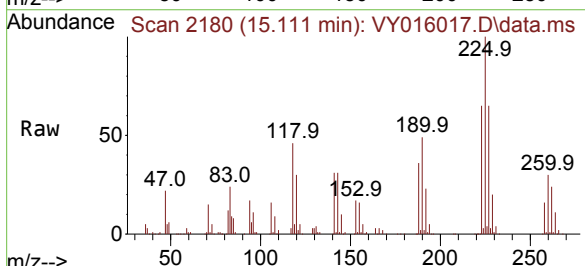
Tgt Ion:225 Resp: 89698

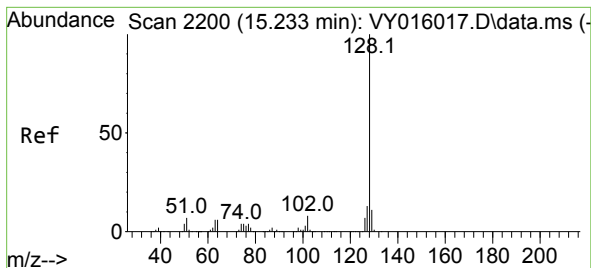
Ion Ratio Lower Upper

225 100

223 63.3 31.9 95.9

227 64.8 33.0 98.9





#95

Naphthalene

Concen: 50.709 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

Instrument :

MSVOA_Y

ClientSampleId :

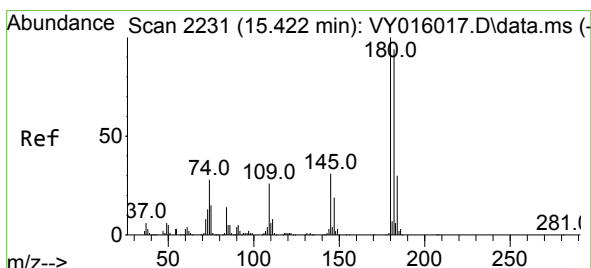
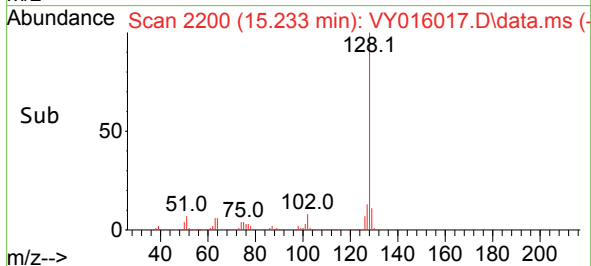
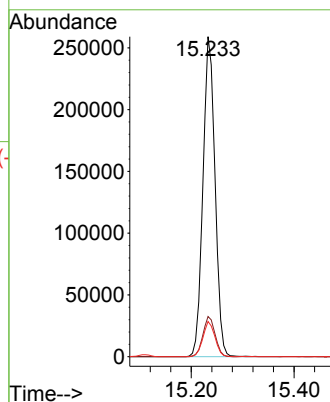
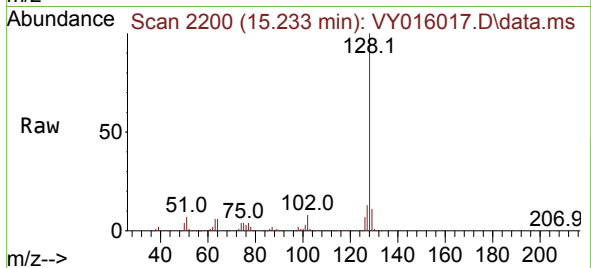
Tgt Ion:128 Resp: 422155

Ion Ratio Lower Upper

128 100

127 12.6 10.8 16.2

129 10.9 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 50.175 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY016017.D

Acq: 18 Oct 2023 12:40

Tgt Ion:180 Resp: 155452

Ion Ratio Lower Upper

180 100

182 94.7 47.3 141.8

145 31.8 15.4 46.2

