

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110123\
 Data File : VY016170.D
 Acq On : 01 Nov 2023 15:50
 Operator : SY/MD
 Sample : 05102-04
 Misc : 4.81g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 02 02:27:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:33:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	132119	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.704	114	217869	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	191363	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	92164	50.000	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	72761	58.855	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.700%	
35) Dibromofluoromethane	7.734	113	59694	45.958	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 91.920%	
50) Toluene-d8	10.191	98	498283	96.758	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 193.520%#	
62) 4-Bromofluorobenzene	12.489	95	131888	74.896	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 149.800%#	

Target Compounds			Qvalue			
4) Vinyl Chloride	2.253	62	1341	1.113	ug/l	91
8) Diethyl Ether	3.540	74	2120	3.518	ug/l	98
11) Tert butyl alcohol	4.979	59	3322	35.965	ug/l	# 89
13) Acrolein	3.741	56	302	Below Cal	#	14
14) Allyl chloride	4.576	41	2791	1.866	ug/l	# 62
15) Acrylonitrile	5.259	53	23124	89.803	ug/l	# 39
16) Acetone	3.960	43	55160	281.945	ug/l	92
17) Carbon Disulfide	4.210	76	12565	4.814	ug/l	99
20) Methylene Chloride	4.729	84	15217	9.643	ug/l	# 76
25) 2-Butanone	7.003	43	26574	77.912	ug/l	# 87
26) 2,2-Dichloropropane	6.814	77	8435	4.122	ug/l	# 54
27) cis-1,2-Dichloroethene	6.997	96	3172	2.213	ug/l	90
29) Tetrahydrofuran	7.362	42	1285	6.010	ug/l	# 69
31) Cyclohexane	7.795	56	1655889	871.313	ug/l	# 96
36) 1,1-Dichloropropene	7.801	75	11965	6.379	ug/l	# 1
37) Ethyl Acetate	7.003	43	26574	31.811	ug/l	# 86
38) Carbon Tetrachloride	7.801	117	13075	7.037	ug/l	# 16
39) Methylcyclohexane	9.197	83	4551799	2033.149	ug/l	# 81
40) Benzene	8.173	78	1653072	307.004	ug/l	99
41) Methacrylonitrile	7.368	41	1779	3.669	ug/l	# 46
42) 1,2-Dichloroethane	8.252	62	46537	30.970	ug/l	# 78
43) Isopropyl Acetate	8.283	43	347869	210.522	ug/l	# 55
44) Trichloroethene	8.960	130	2713	1.722	ug/l	# 1
45) 1,2-Dichloropropane	9.191	63	70985	54.801	ug/l	# 1
47) Bromodichloromethane	9.545	83	47919	25.667	ug/l	# 26
48) Methyl methacrylate	9.258	41	185440	246.795	ug/l	# 31
49) 1,4-Dioxane	9.313	88	229	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.191	43	136295	165.307	ug/l	# 44
52) Toluene	10.258	92	6252193	1791.894	ug/l	87
53) t-1,3-Dichloropropene	10.258	75	74176	39.800	ug/l	# 1
55) 1,1,2-Trichloroethane	10.630	97	617258	597.192	ug/l	# 19
56) Ethyl methacrylate	10.532	69	264879	197.327	ug/l	# 9
57) 1,3-Dichloropropane	10.801	76	4060	2.307	ug/l	# 17
58) 2-Chloroethyl Vinyl ether	9.770	63	2125	3.265	ug/l	# 50
59) 2-Hexanone	10.813	43	1528034	2704.503	ug/l	# 32
60) Dibromochloromethane	10.917	129	4300	3.316	ug/l	64

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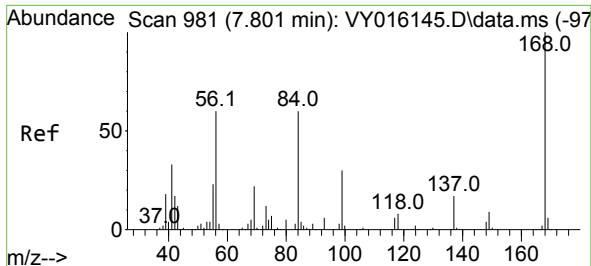
Quant Time: Nov 02 02:27:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:33:29 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2-Dibromoethane	11.099	107	3807	3.872	ug/l #	2
64) Tetrachloroethene	10.728	164	2457	1.443	ug/l #	87
65) Chlorobenzene	11.526	112	735379	193.422	ug/l	99
67) Ethyl Benzene	11.605	91	14457890	2126.098	ug/l #	81
68) m/p-Xylenes	11.715	106	14825666	5642.053	ug/l #	68
69) o-Xylene	12.038	106	4383768	1747.291	ug/l	90
70) Styrene	12.038	104	223712	53.638	ug/l #	1
73) Isopropylbenzene	12.337	105	2625949	379.832	ug/l	99
74) N-amyl acetate	12.136	43	821310	546.687	ug/l #	62
75) 1,1,2,2-Tetrachloroethane	12.654	83	248508	225.895	ug/l #	92
76) 1,2,3-Trichloropropane	12.678	75	35322	40.697	ug/l #	100
77) Bromobenzene	12.611	156	4701	3.003	ug/l #	1
78) n-propylbenzene	12.678	91	5681281	695.083	ug/l	96
79) 2-Chlorotoluene	12.745	91	1388266	304.528	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.825	105	3118883	556.838	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.337	75	29576	73.887	ug/l #	37
82) 4-Chlorotoluene	12.825	91	351687	75.127	ug/l #	49
83) tert-Butylbenzene	13.081	119	59030	11.779	ug/l	85
84) 1,2,4-Trimethylbenzene	13.130	105	10605818	1913.628	ug/l	91
85) sec-Butylbenzene	13.264	105	922272	125.383	ug/l #	67
86) p-Isopropyltoluene	13.380	119	433334	71.081	ug/l	100
87) 1,3-Dichlorobenzene	13.373	146	13512	4.364	ug/l #	1
88) 1,4-Dichlorobenzene	13.453	146	55282	18.066	ug/l #	1
89) n-Butylbenzene	13.703	91	1552402	277.138	ug/l #	76
90) Hexachloroethane	13.983	117	855844	814.647	ug/l #	8
91) 1,2-Dichlorobenzene	13.745	146	179873	67.243	ug/l #	50
92) 1,2-Dibromo-3-Chloropr...	14.343	75	45905	233.161	ug/l #	3
93) 1,2,4-Trichlorobenzene	15.013	180	18411	11.151	ug/l #	1
95) Naphthalene	15.239	128	1762895	549.623	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	10921	7.743	ug/l #	1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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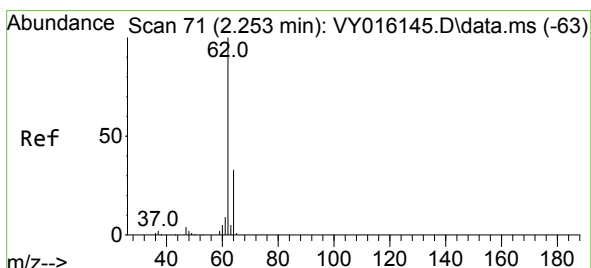
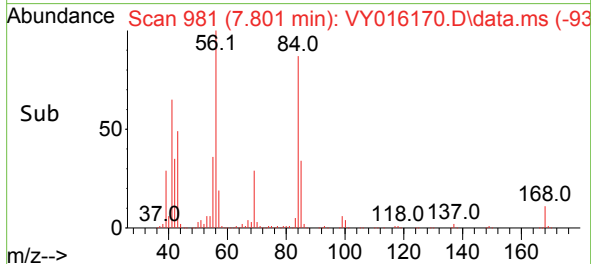
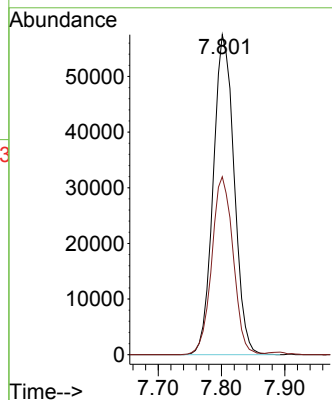
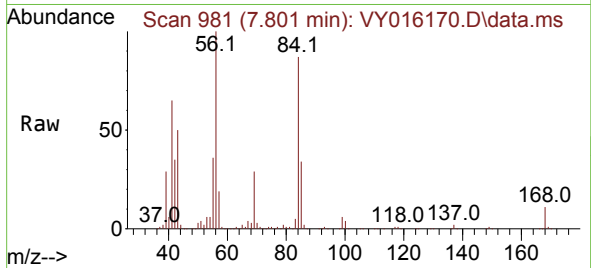




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

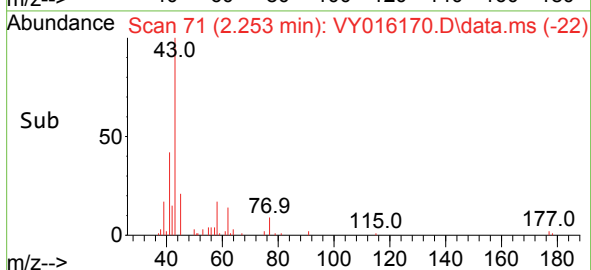
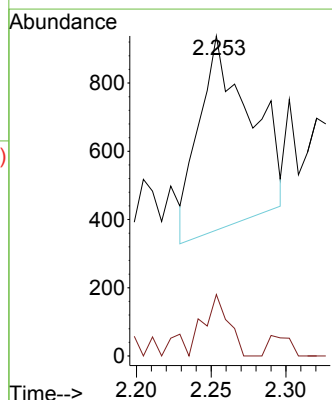
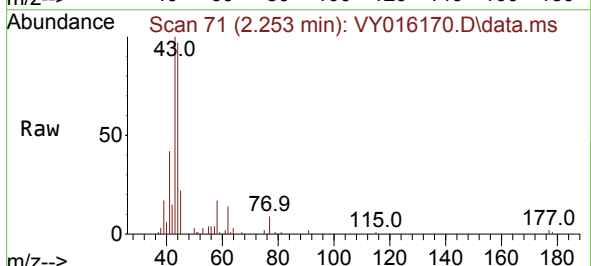
Instrument :
MSVOA_Y
ClientSampleId :

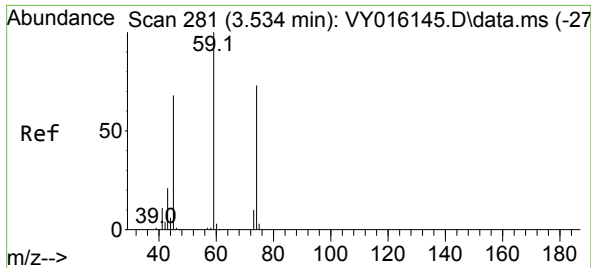
Tgt Ion:168 Resp: 132119
Ion Ratio Lower Upper
168 100
99 55.6 43.4 65.0



#4
Vinyl Chloride
Concen: 1.113 ug/l
RT: 2.253 min Scan# 71
Delta R.T. 0.000 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

Tgt Ion: 62 Resp: 1341
Ion Ratio Lower Upper
62 100
64 25.5 24.3 36.5

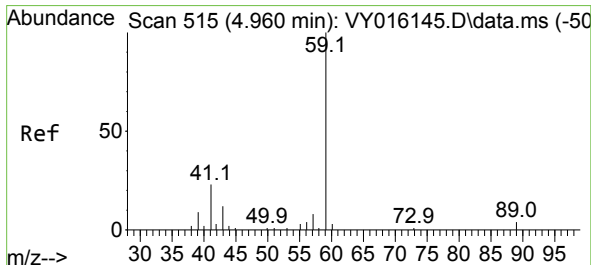
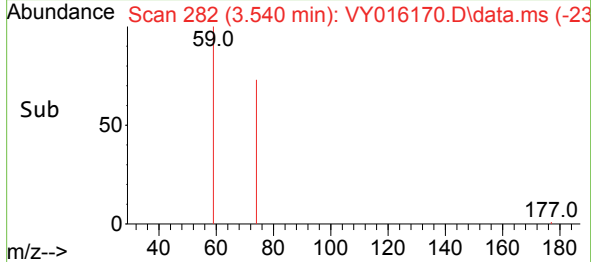
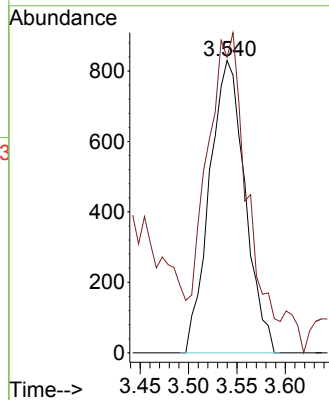
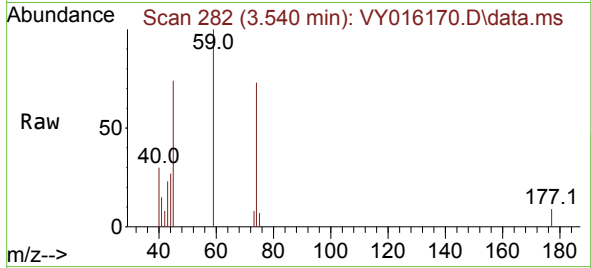




#8
Diethyl Ether
Concen: 3.518 ug/l
RT: 3.540 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

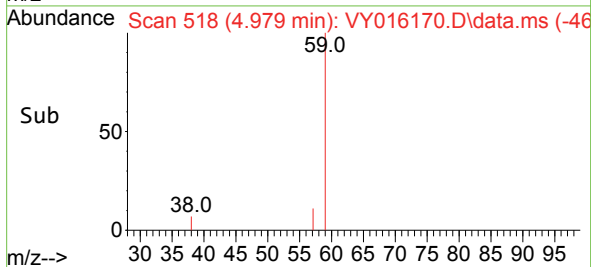
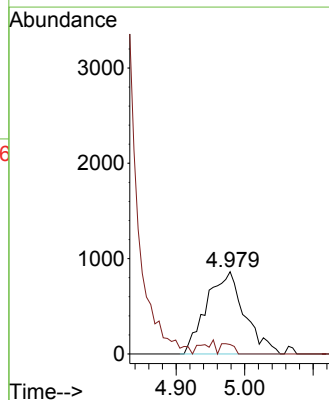
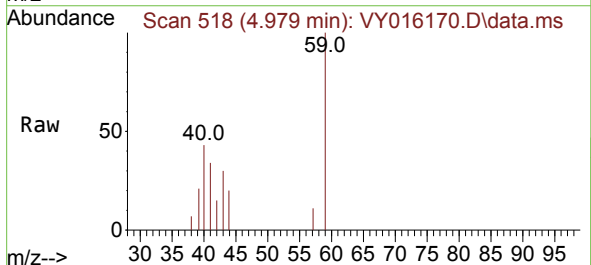
Instrument :
MSVOA_Y
ClientSampleId :

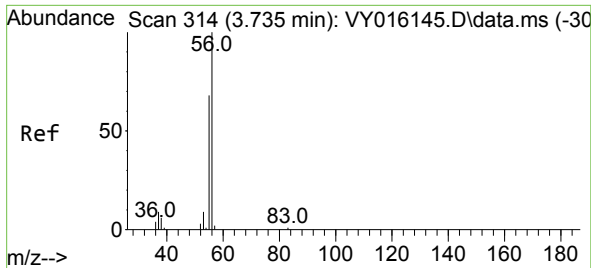
Tgt Ion: 74 Resp: 2120
Ion Ratio Lower Upper
74 100
45 101.3 51.5 154.5



#11
Tert butyl alcohol
Concen: 35.965 ug/l
RT: 4.979 min Scan# 518
Delta R.T. 0.018 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

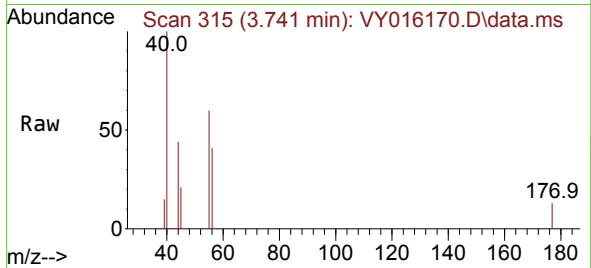
Tgt Ion: 59 Resp: 3322
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



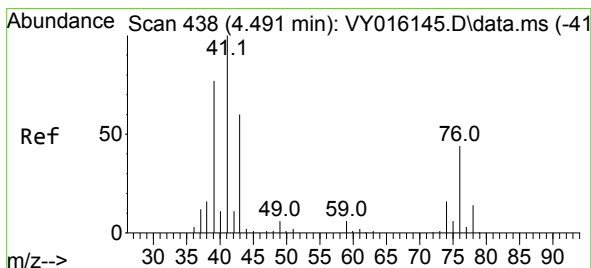
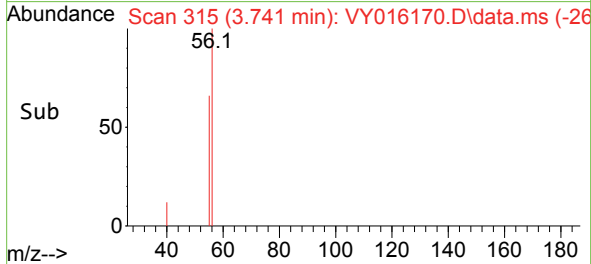
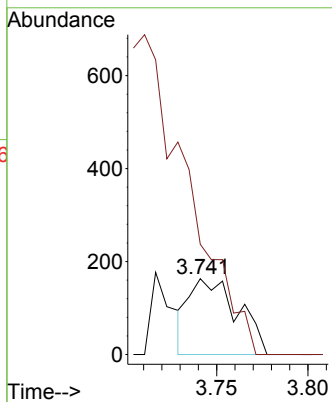


#13
Acrolein
Concen: Below Cal
RT: 3.741 min Scan# 314
Delta R.T. 0.006 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

Instrument :
MSVOA_Y
ClientSampleId :

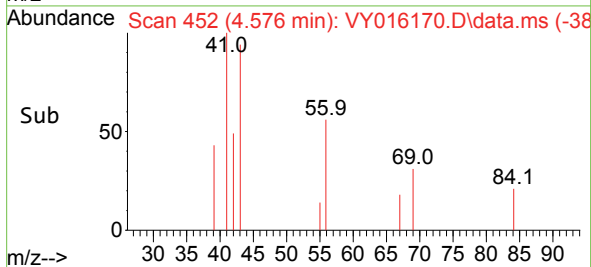
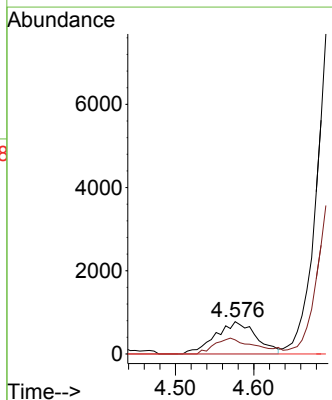
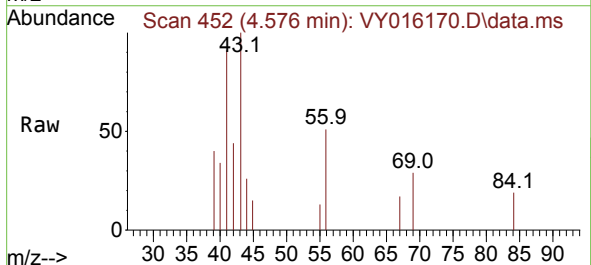


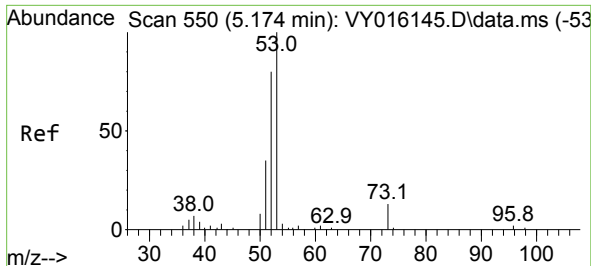
Tgt Ion: 56 Resp: 302
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#



#14
Allyl chloride
Concen: 1.866 ug/l
RT: 4.576 min Scan# 452
Delta R.T. 0.085 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

Tgt Ion: 41 Resp: 2791
Ion Ratio Lower Upper
41 100
39 49.5 58.0 87.0#
76 0.0 27.4 41.2#

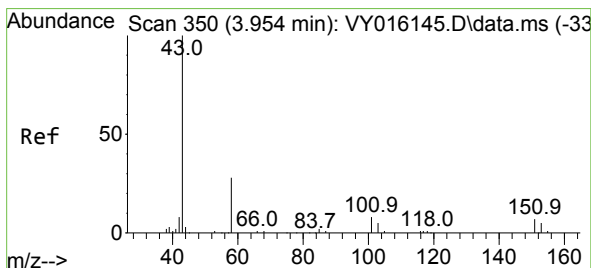
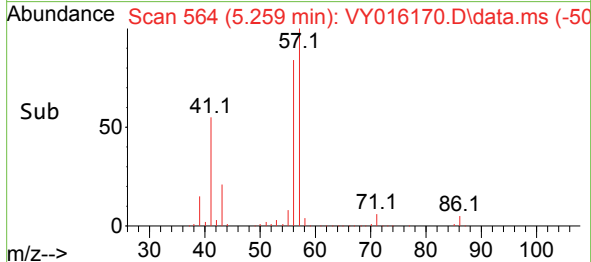
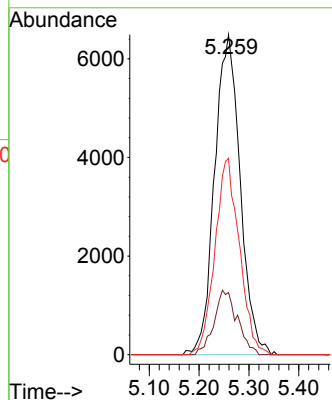
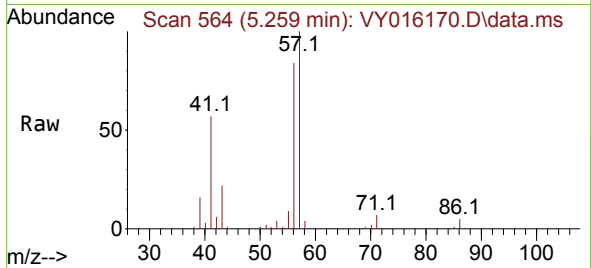




#15
Acrylonitrile
Concen: 89.803 ug/l
RT: 5.259 min Scan# 51
Delta R.T. 0.085 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

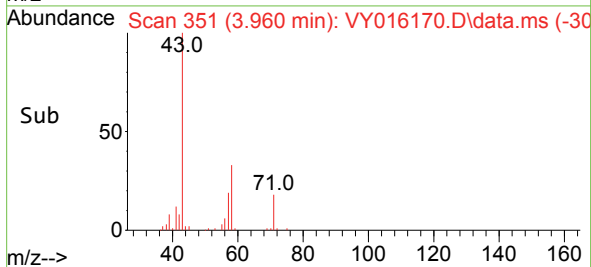
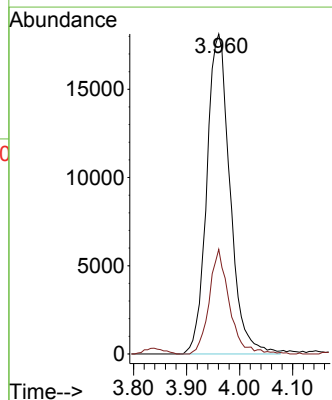
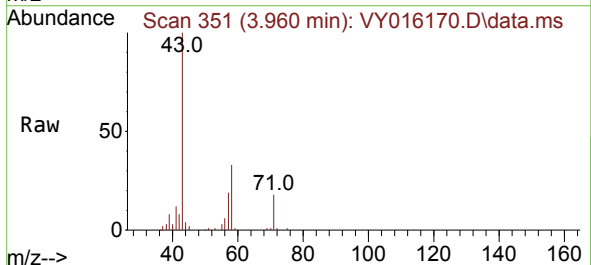
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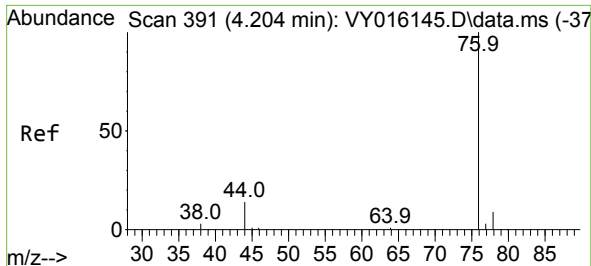
Tgt Ion: 53 Resp: 23124
Ion Ratio Lower Upper
53 100
52 18.4 66.9 100.3#
51 58.7 29.8 44.6#



#16
Acetone
Concen: 281.945 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

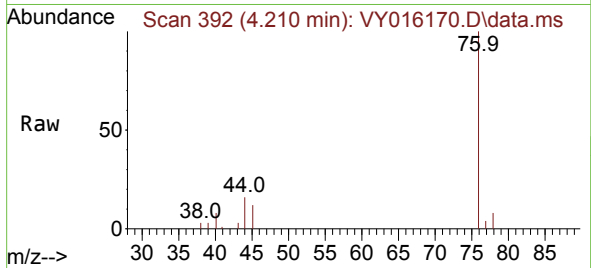
Tgt Ion: 43 Resp: 55160
Ion Ratio Lower Upper
43 100
58 32.7 22.7 34.1



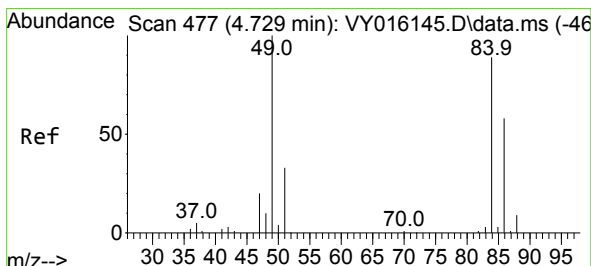
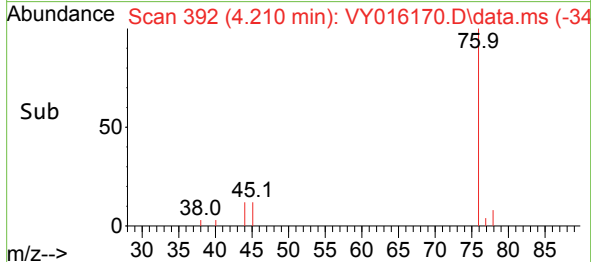
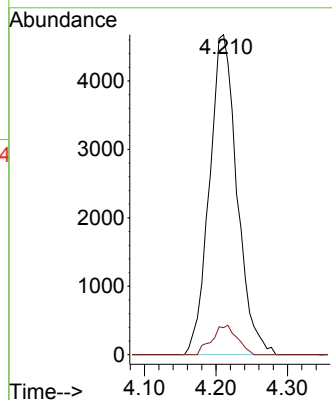


#17
Carbon Disulfide
Concen: 4.814 ug/l
RT: 4.210 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

Instrument :
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ClientSampleId :

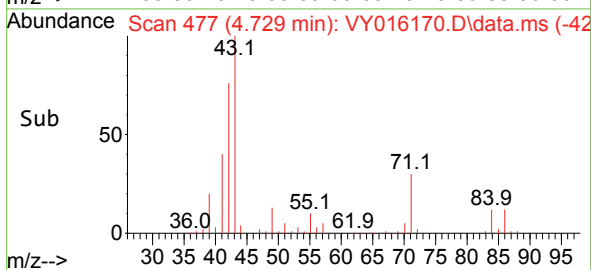
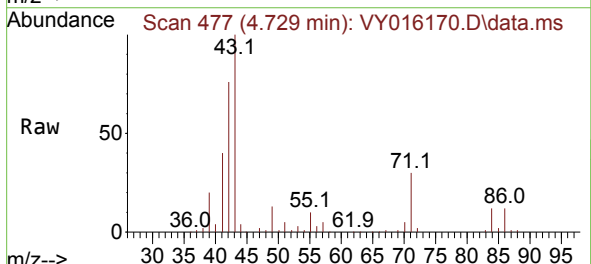
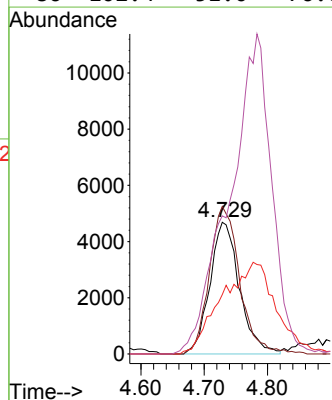


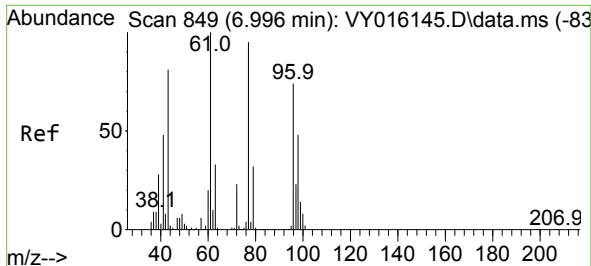
Tgt Ion: 76 Resp: 12565
Ion Ratio Lower Upper
76 100
78 8.5 7.0 10.4



#20
Methylene Chloride
Concen: 9.643 ug/l
RT: 4.729 min Scan# 477
Delta R.T. -0.000 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

Tgt Ion: 84 Resp: 15217
Ion Ratio Lower Upper
84 100
49 112.1 106.9 160.3
51 45.0 33.2 49.8
86 102.4 51.0 76.6#

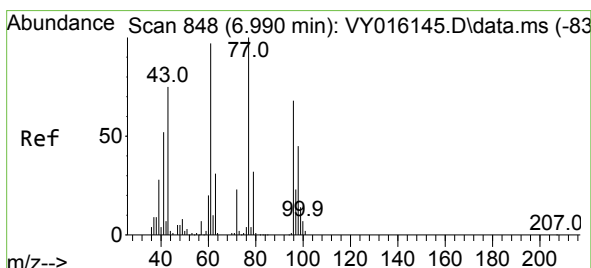
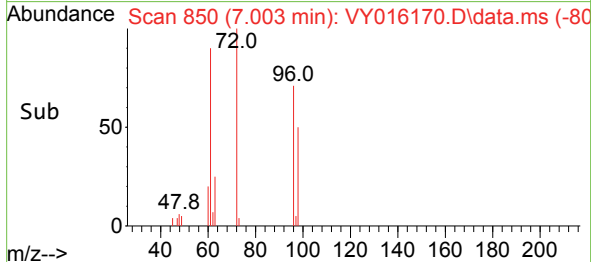
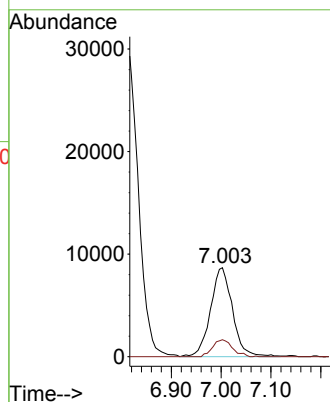
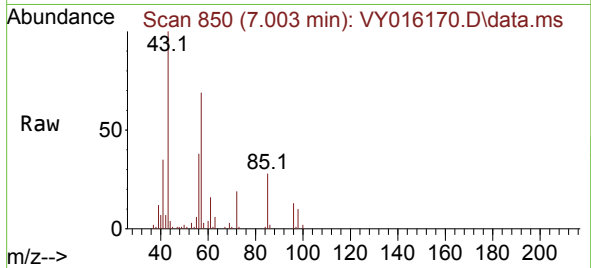




#25
2-Butanone
Concen: 77.912 ug/l
RT: 7.003 min Scan# 819
Delta R.T. 0.006 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

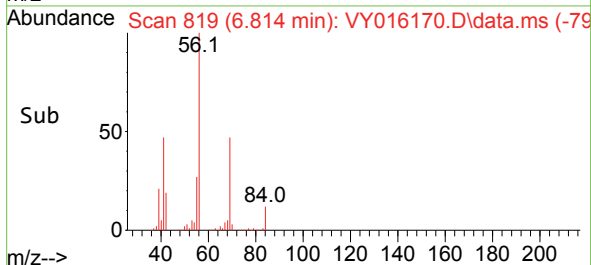
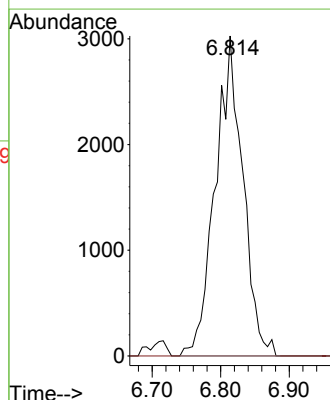
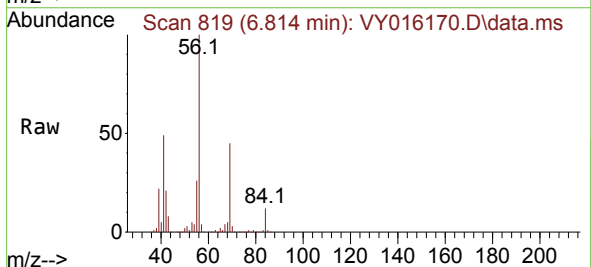
Instrument :
MSVOA_Y
ClientSampleId :

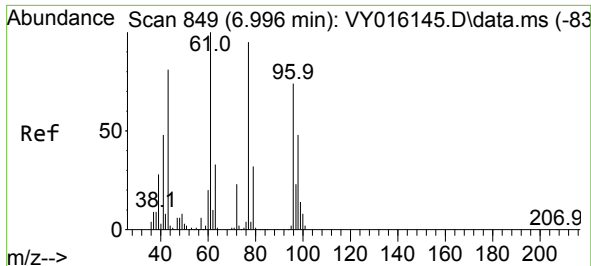
Tgt Ion: 43 Resp: 26574
Ion Ratio Lower Upper
43 100
72 19.0 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 4.122 ug/l
RT: 6.814 min Scan# 819
Delta R.T. -0.177 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

Tgt Ion: 77 Resp: 8435
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#





#27

cis-1,2-Dichloroethene

Concen: 2.213 ug/l

RT: 6.997 min Scan# 849

Delta R.T. 0.000 min

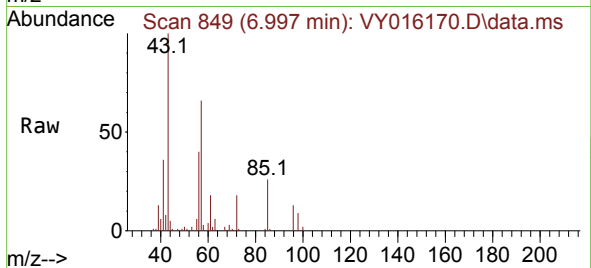
Lab File: VY016170.D

Acq: 01 Nov 2023 15:50

Instrument :

MSVOA_Y

ClientSampleId :



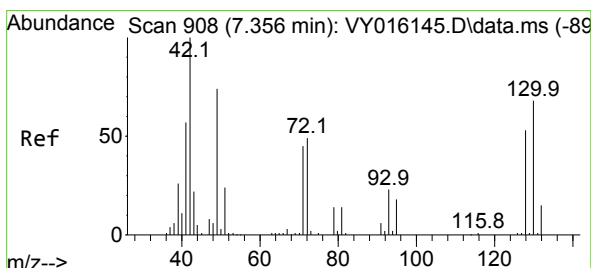
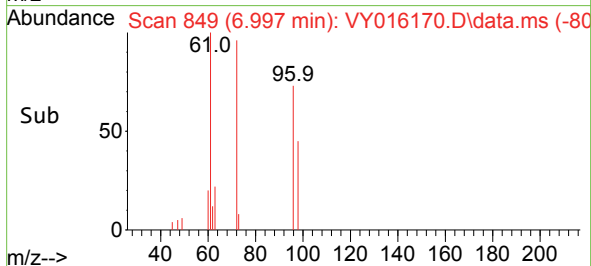
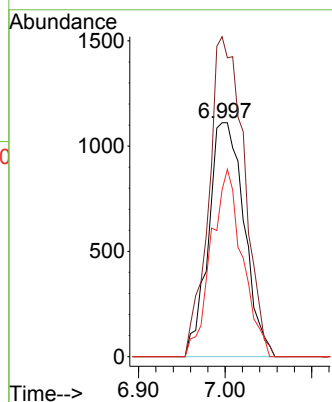
Tgt Ion: 96 Resp: 3172

Ion Ratio Lower Upper

96 100

61 135.3 0.0 301.4

98 70.6 0.0 130.4



#29

Tetrahydrofuran

Concen: 6.010 ug/l

RT: 7.362 min Scan# 909

Delta R.T. 0.006 min

Lab File: VY016170.D

Acq: 01 Nov 2023 15:50

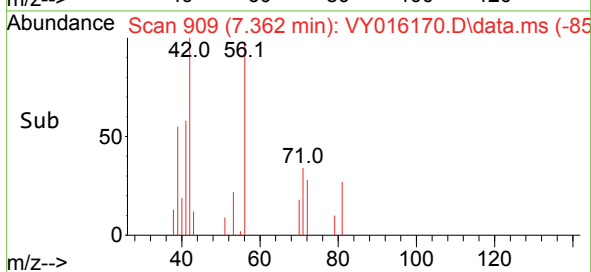
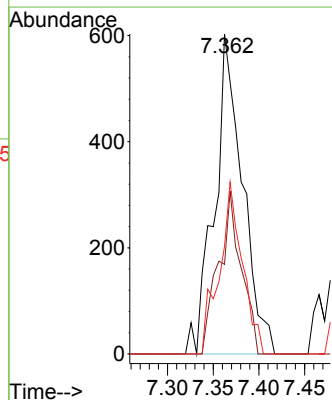
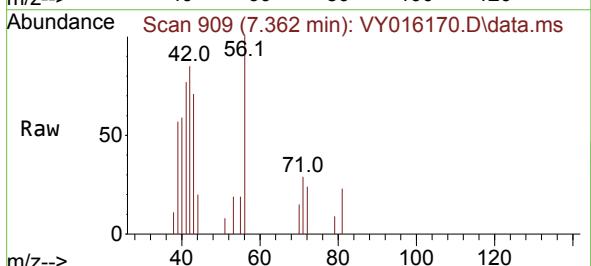
Tgt Ion: 42 Resp: 1285

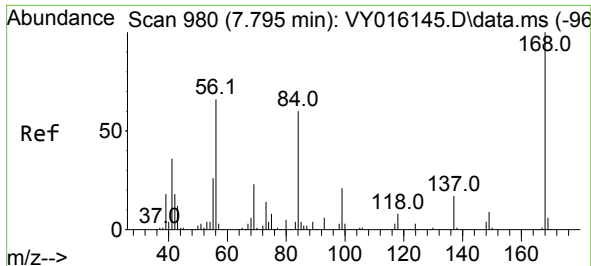
Ion Ratio Lower Upper

42 100

72 41.2 32.8 49.2

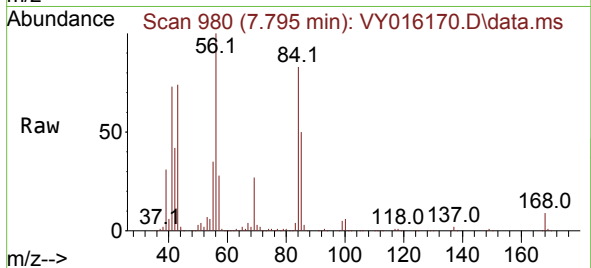
71 0.0 31.0 46.4#



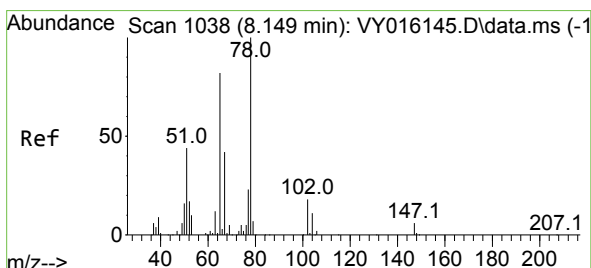
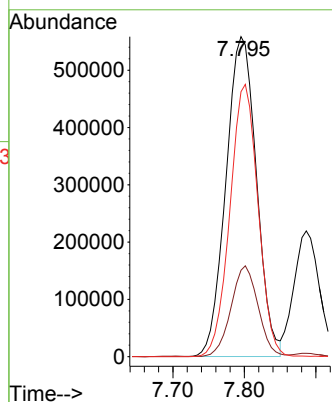
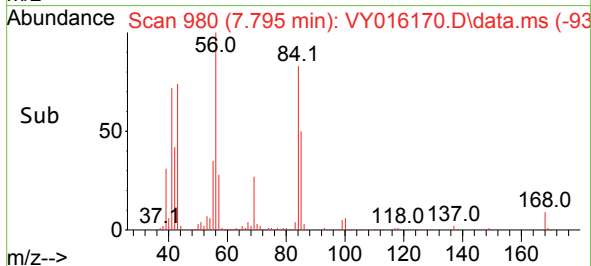


#31
Cyclohexane
Concen: 871.313 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

Instrument :
MSVOA_Y
ClientSampleId :

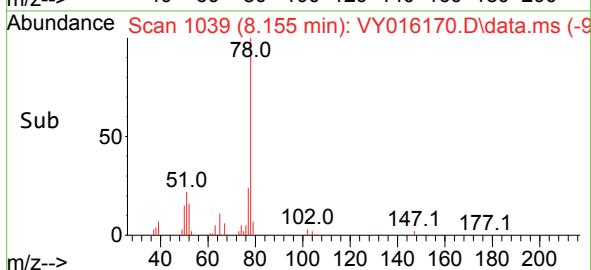
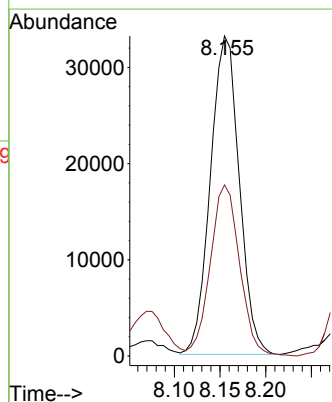
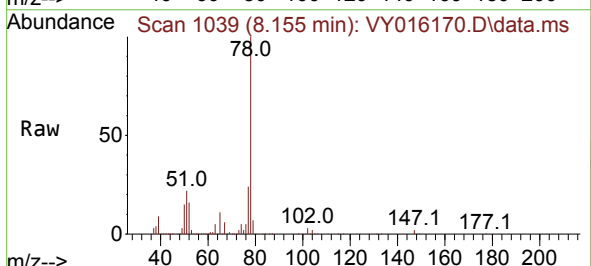


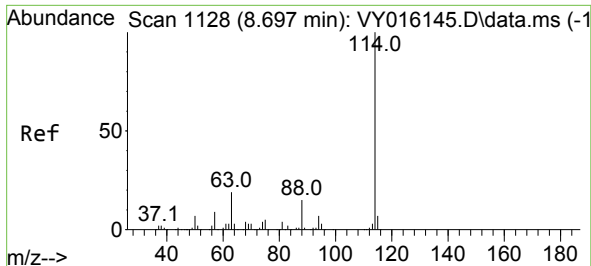
Tgt Ion: 56 Resp: 1655889
Ion Ratio Lower Upper
56 100
69 26.8 27.8 41.6#
84 82.8 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 58.855 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

Tgt Ion: 65 Resp: 72761
Ion Ratio Lower Upper
65 100
67 54.6 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.704 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY016170.D

Acq: 01 Nov 2023 15:50

Instrument :

MSVOA_Y

ClientSampleId :

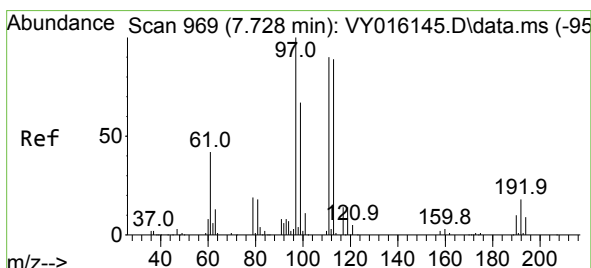
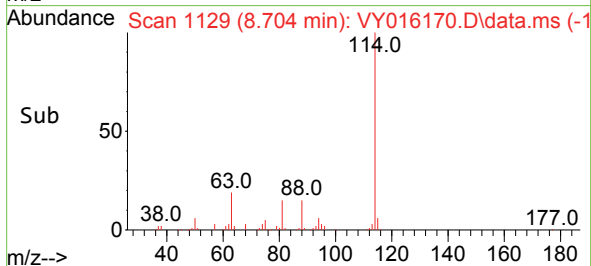
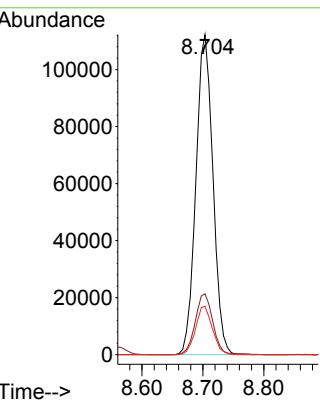
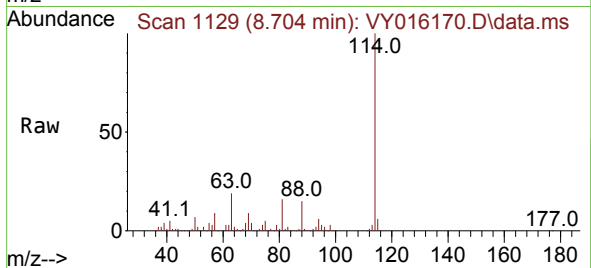
Tgt Ion:114 Resp: 217869

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 45.958 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY016170.D

Acq: 01 Nov 2023 15:50

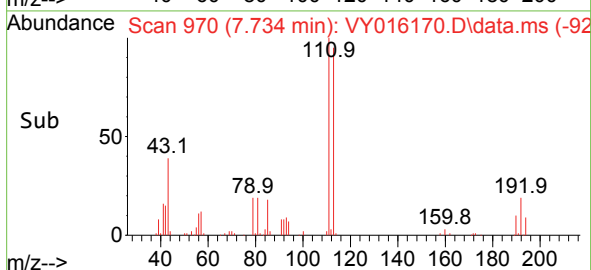
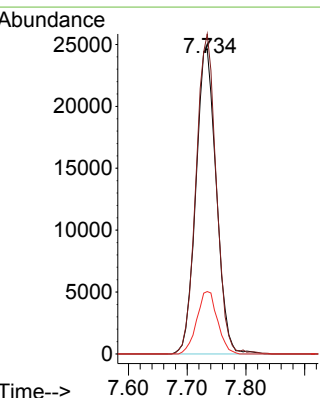
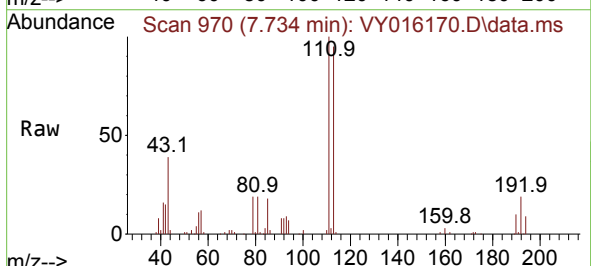
Tgt Ion:113 Resp: 59694

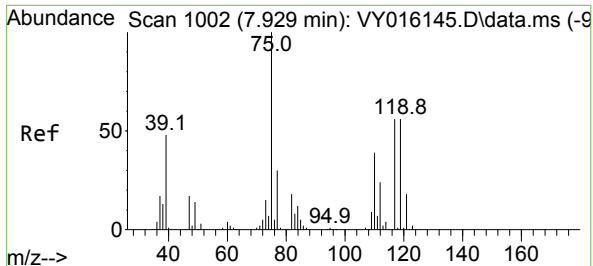
Ion Ratio Lower Upper

113 100

111 103.0 81.3 121.9

192 20.6 16.9 25.3

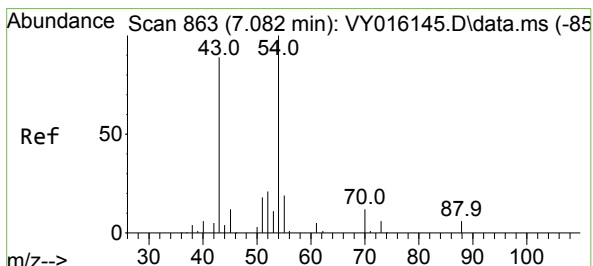
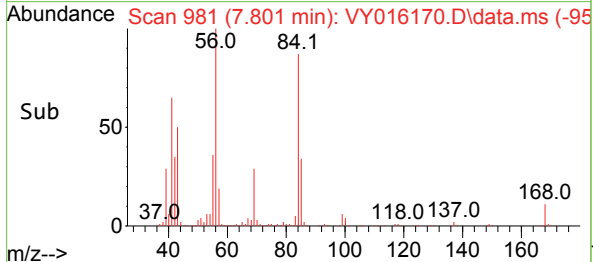
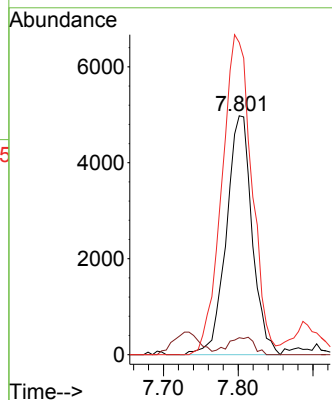
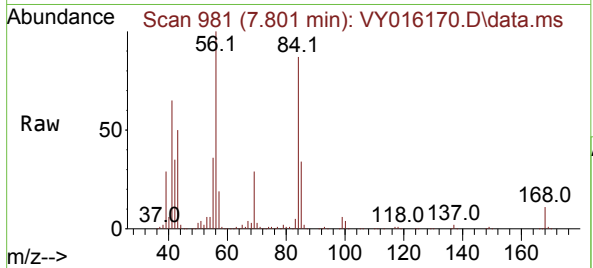




#36
1,1-Dichloropropene
Concen: 6.379 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

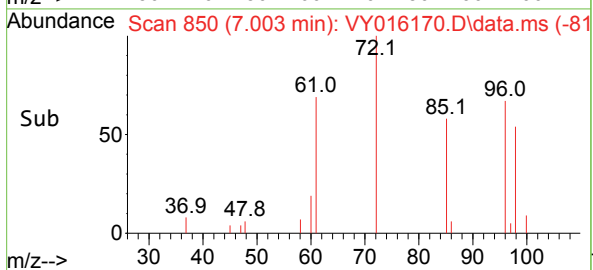
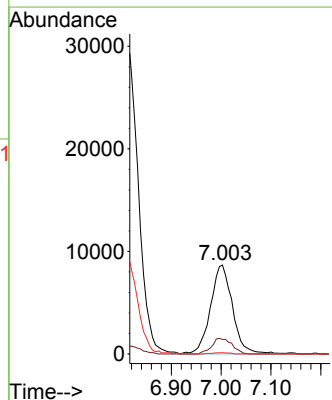
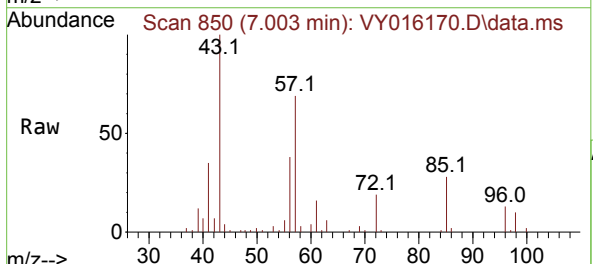
Instrument :
MSVOA_Y
ClientSampleId :

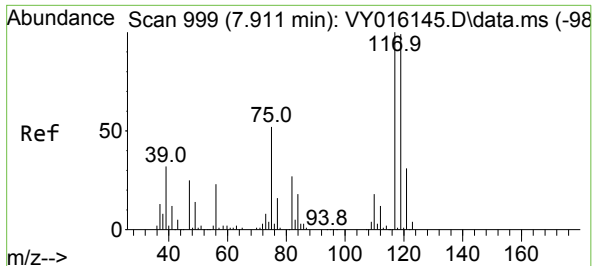
Tgt Ion: 75 Resp: 11965
Ion Ratio Lower Upper
75 100
110 7.2 17.8 53.5#
77 155.3 24.4 36.6#



#37
Ethyl Acetate
Concen: 31.811 ug/l
RT: 7.003 min Scan# 850
Delta R.T. -0.079 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

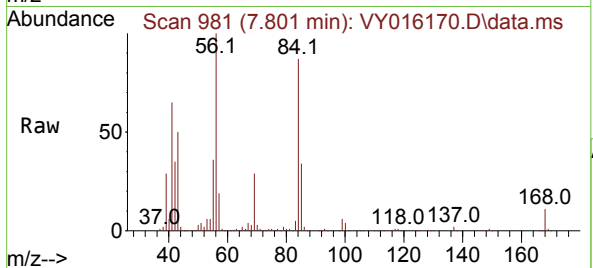
Tgt Ion: 43 Resp: 26574
Ion Ratio Lower Upper
43 100
61 16.2 10.1 15.1#
70 1.1 7.1 10.7#



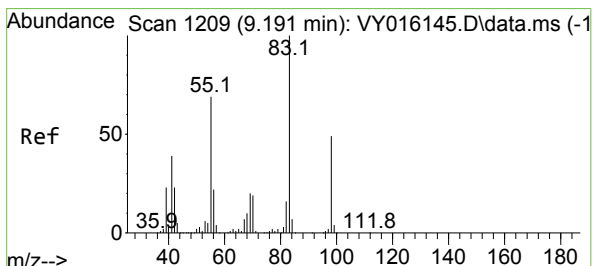
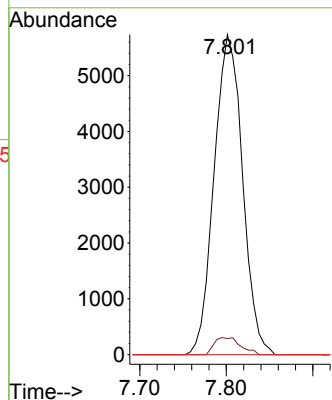
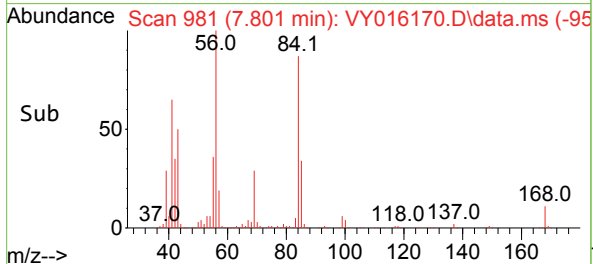


#38
Carbon Tetrachloride
Concen: 7.037 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

Instrument :
MSVOA_Y
ClientSampleId :

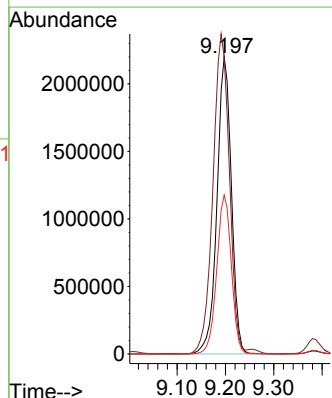
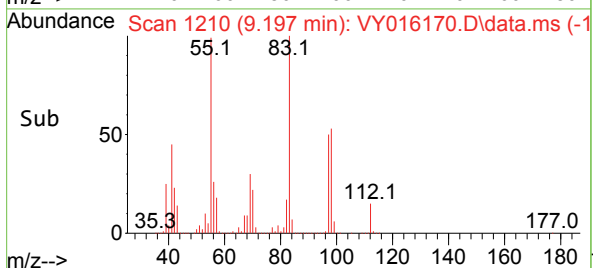
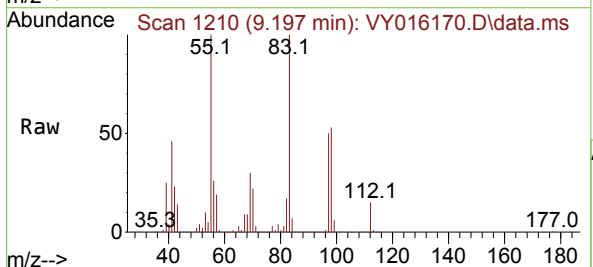


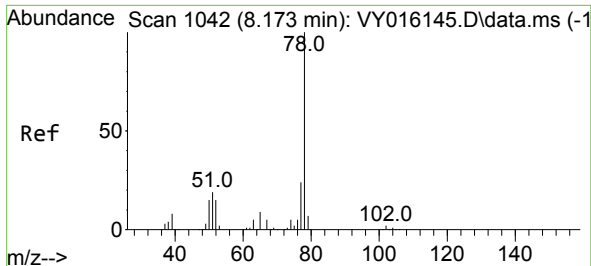
Tgt Ion:117 Resp: 13075
Ion Ratio Lower Upper
117 100
119 5.1 76.4 114.6#
121 0.0 25.8 38.6#



#39
Methylcyclohexane
Concen: 2033.149 ug/l
RT: 9.197 min Scan# 1210
Delta R.T. 0.006 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

Tgt Ion: 83 Resp: 4551799
Ion Ratio Lower Upper
83 100
55 99.7 63.0 94.4#
98 53.5 37.4 56.2

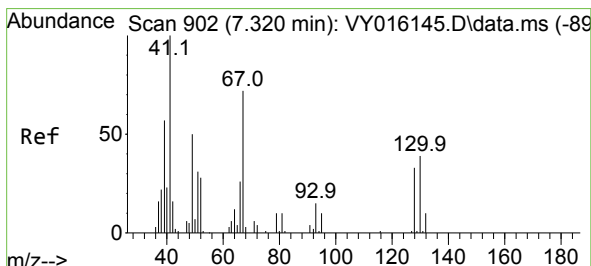
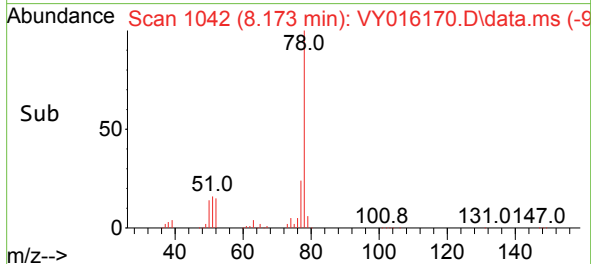
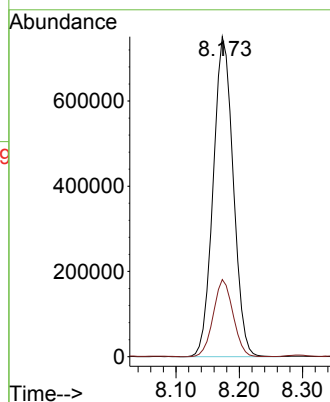
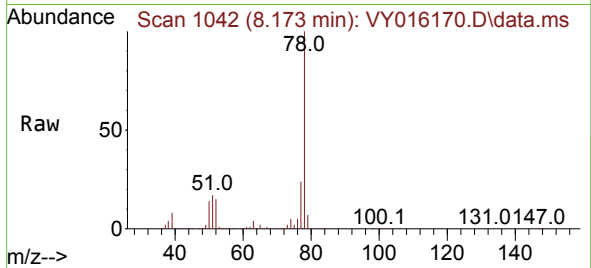




#40
Benzene
Concen: 307.004 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

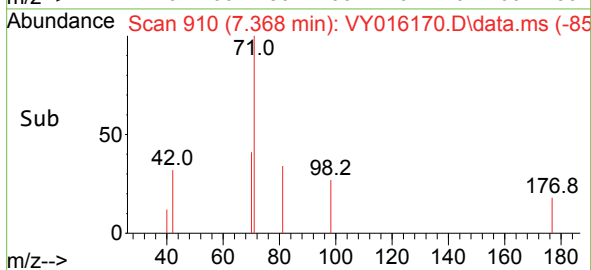
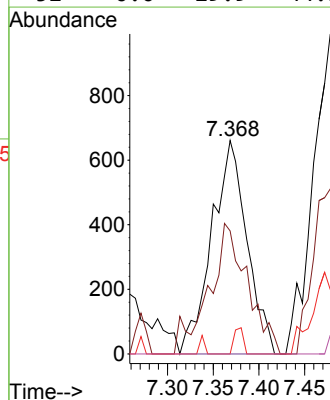
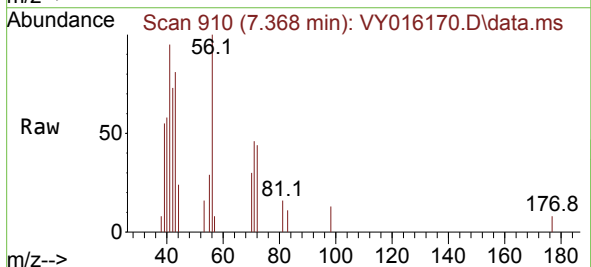
Instrument :
MSVOA_Y
ClientSampleId :

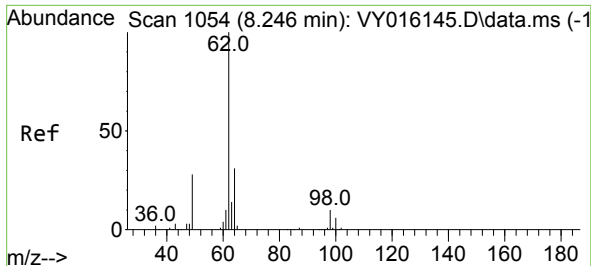
Tgt Ion: 78 Resp: 1653072
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.6



#41
Methacrylonitrile
Concen: 3.669 ug/l
RT: 7.368 min Scan# 910
Delta R.T. 0.049 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

Tgt Ion: 41 Resp: 1779
Ion Ratio Lower Upper
41 100
39 66.7 52.1 78.1
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#





#42

1,2-Dichloroethane

Concen: 30.970 ug/l

RT: 8.252 min Scan# 1055

Delta R.T. 0.006 min

Lab File: VY016170.D

Acq: 01 Nov 2023 15:50

Instrument :

MSVOA_Y

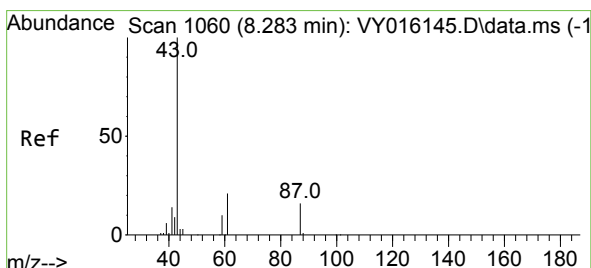
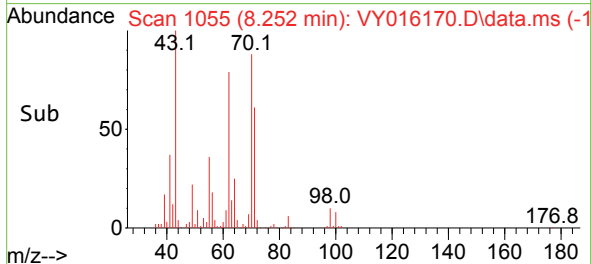
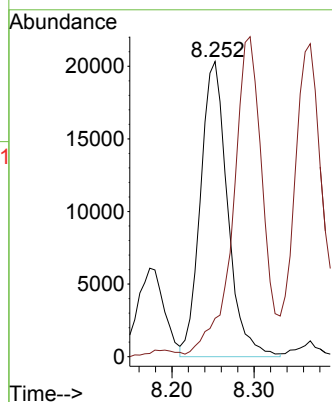
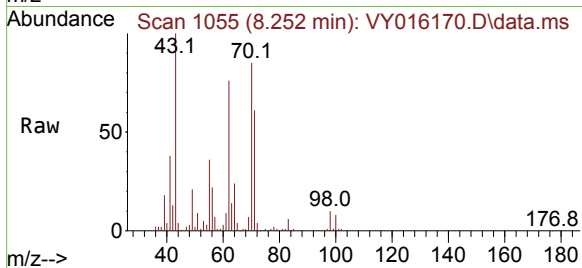
ClientSampleId :

Tgt Ion: 62 Resp: 46537

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 210.522 ug/l

RT: 8.283 min Scan# 1060

Delta R.T. 0.000 min

Lab File: VY016170.D

Acq: 01 Nov 2023 15:50

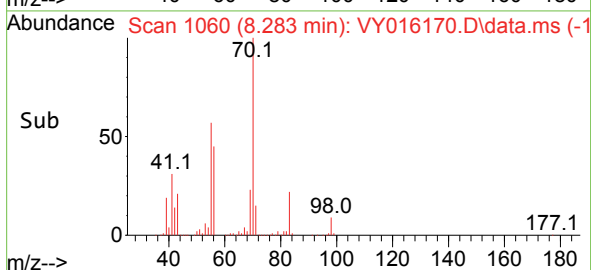
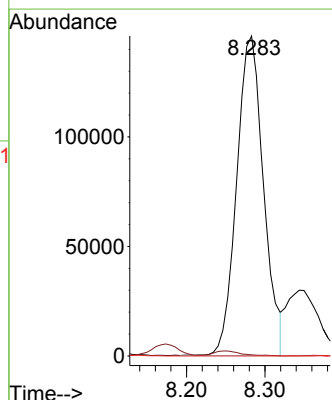
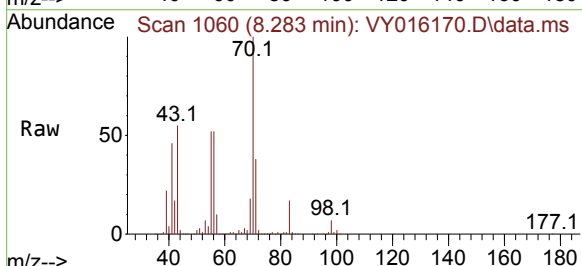
Tgt Ion: 43 Resp: 347869

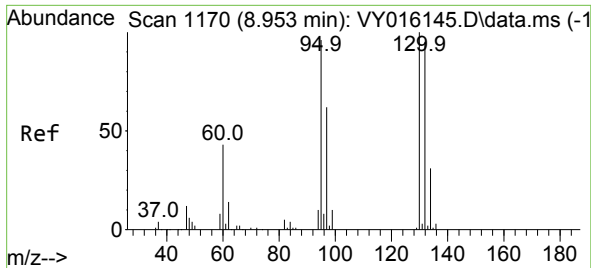
Ion Ratio Lower Upper

43 100

61 0.0 21.1 31.7#

87 0.0 9.8 14.8#

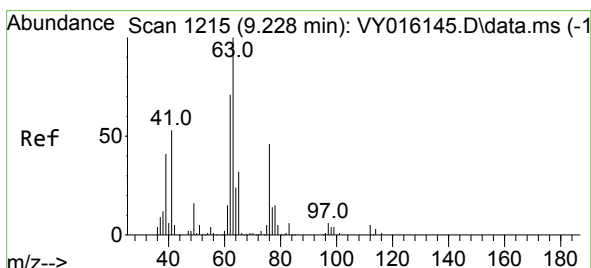
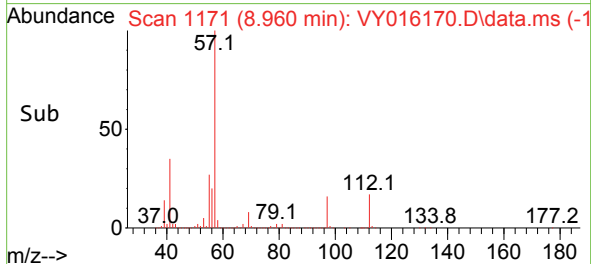
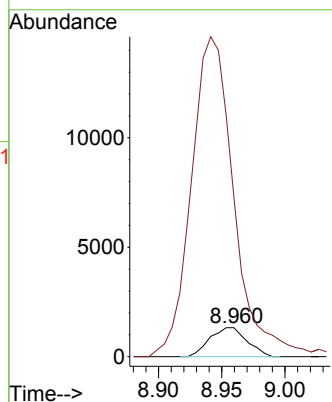
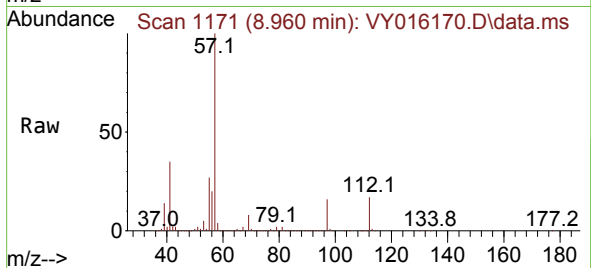




#44
Trichloroethene
Concen: 1.722 ug/l
RT: 8.960 min Scan# 1171
Delta R.T. 0.006 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

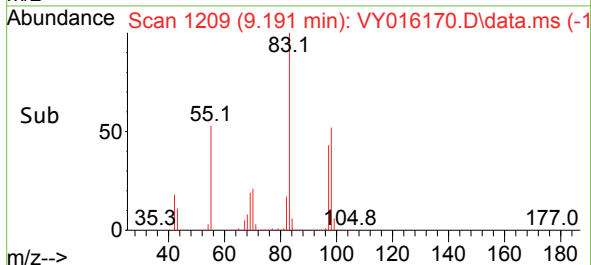
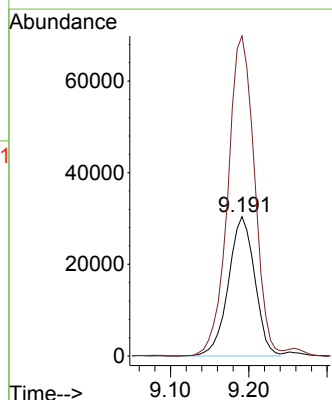
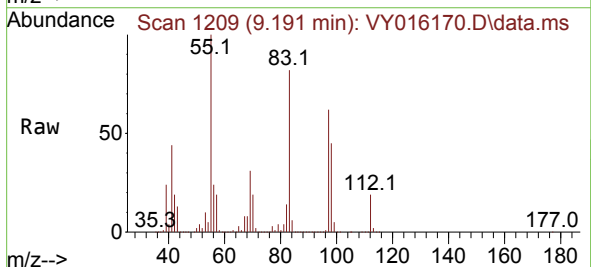
Instrument :
MSVOA_Y
ClientSampleId :

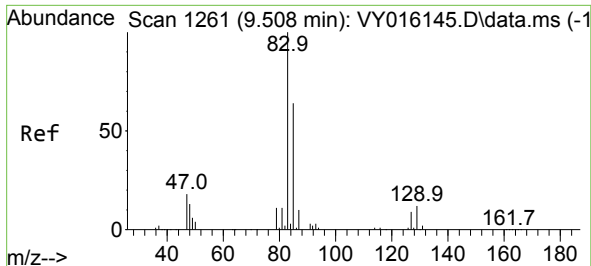
Tgt Ion:130 Resp: 2713
Ion Ratio Lower Upper
130 100
95 492.1 0.0 196.0#



#45
1,2-Dichloropropane
Concen: 54.801 ug/l
RT: 9.191 min Scan# 1209
Delta R.T. -0.036 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

Tgt Ion: 63 Resp: 70985
Ion Ratio Lower Upper
63 100
65 229.7 23.8 35.6#

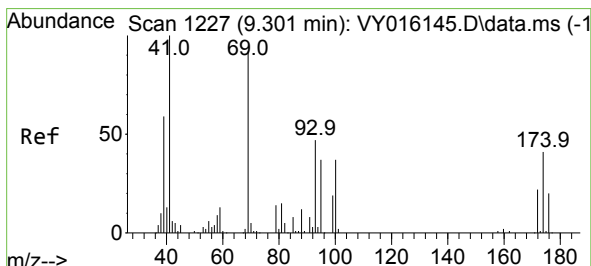
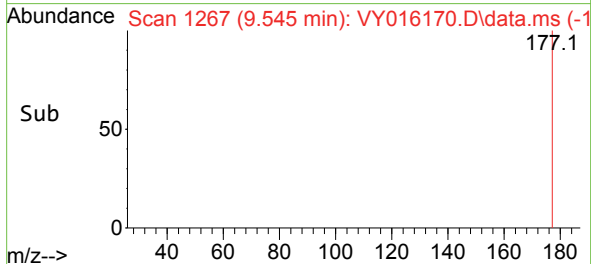
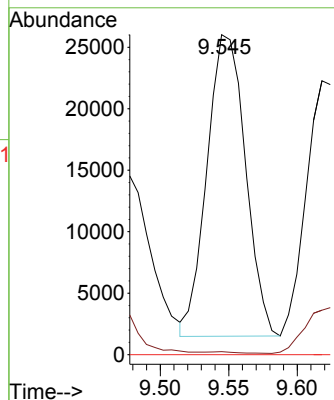
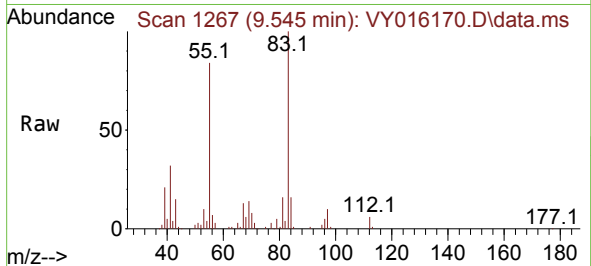




#47
Bromodichloromethane
Concen: 25.667 ug/l
RT: 9.545 min Scan# 11
Delta R.T. 0.037 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

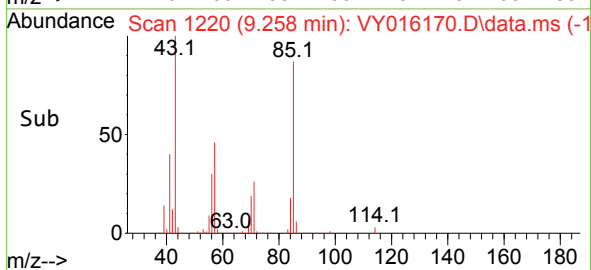
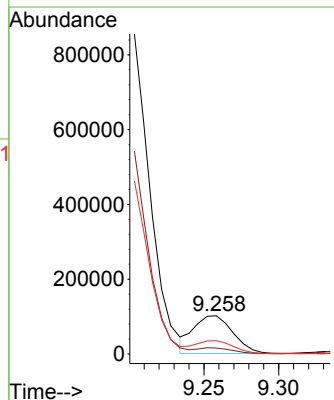
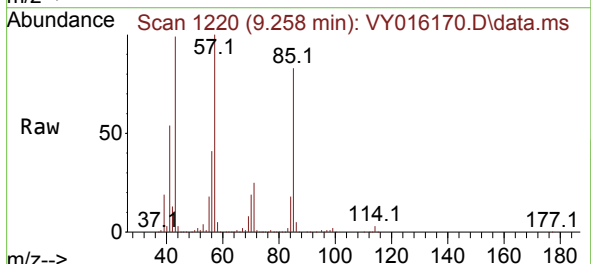
Instrument :
MSVOA_Y
ClientSampleId :

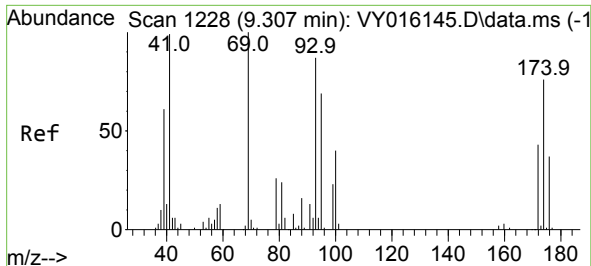
Tgt Ion: 83 Resp: 47919
Ion Ratio Lower Upper
83 100
85 0.1 50.1 75.1#
127 0.0 7.1 10.7#



#48
Methyl methacrylate
Concen: 246.795 ug/l
RT: 9.258 min Scan# 1220
Delta R.T. -0.043 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

Tgt Ion: 41 Resp: 185440
Ion Ratio Lower Upper
41 100
69 0.0 64.5 96.7#
39 30.9 50.8 76.2#





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.313 min Scan# 1229

Delta R.T. 0.006 min

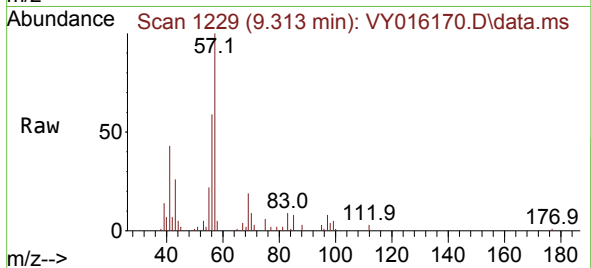
Lab File: VY016170.D

Acq: 01 Nov 2023 15:50

Instrument :

MSVOA_Y

ClientSampleId :



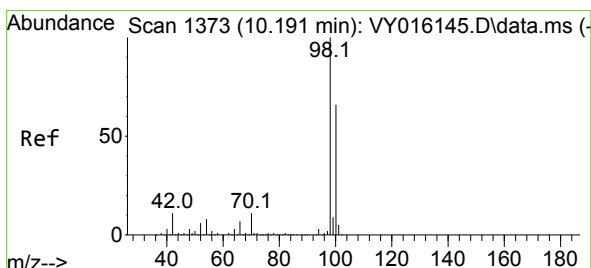
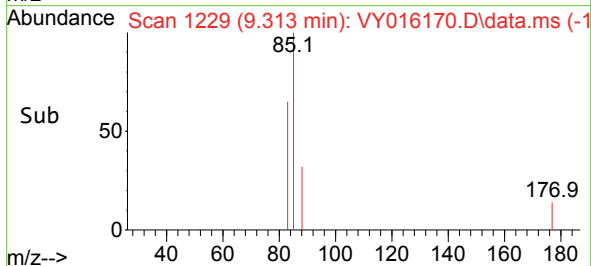
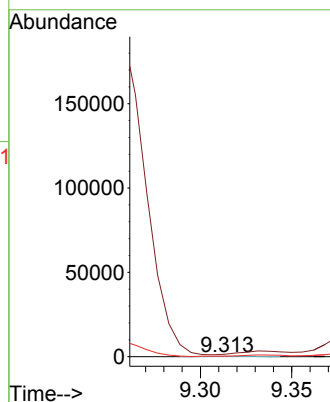
Tgt Ion: 88 Resp: 229

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 851.5 30.9 46.3#



#50

Toluene-d8

Concen: 96.758 ug/l

RT: 10.191 min Scan# 1373

Delta R.T. 0.000 min

Lab File: VY016170.D

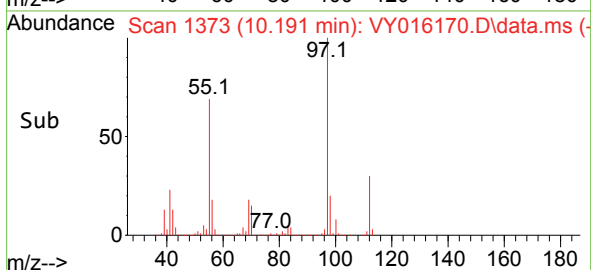
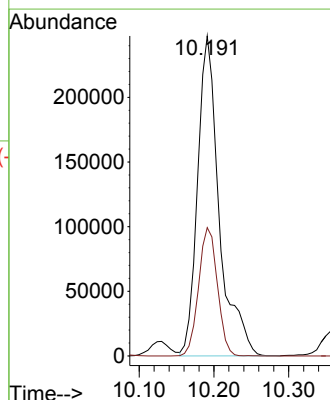
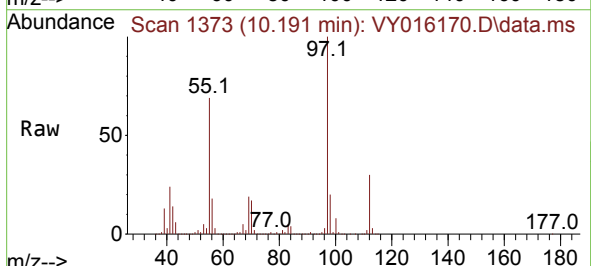
Acq: 01 Nov 2023 15:50

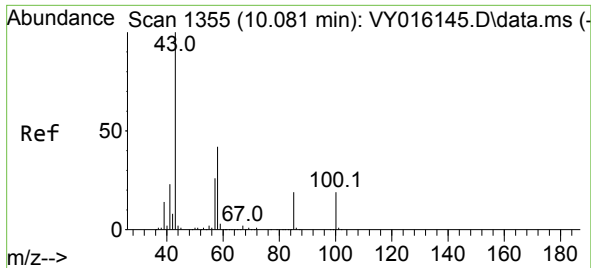
Tgt Ion: 98 Resp: 498283

Ion Ratio Lower Upper

98 100

100 34.7 50.1 75.1#

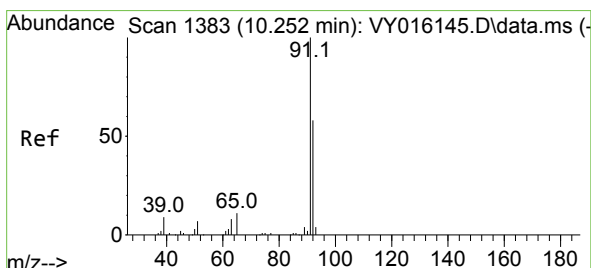
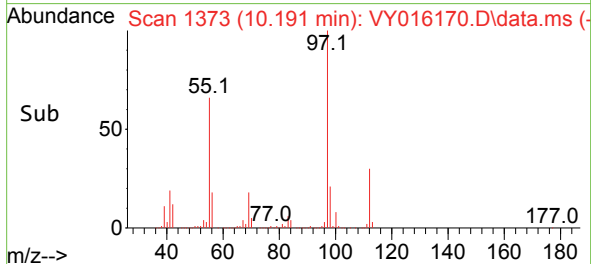
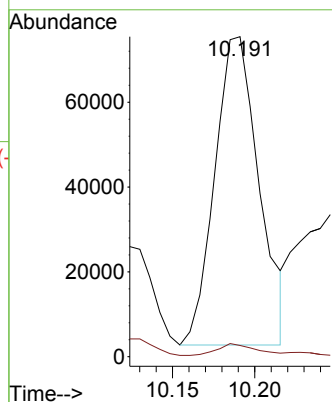
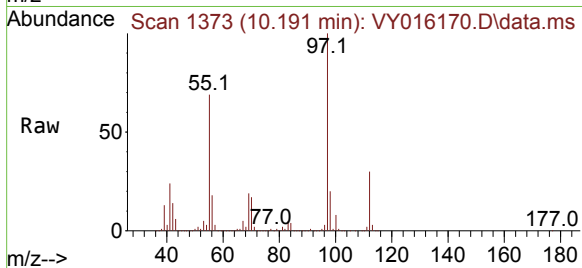




#51
4-Methyl-2-Pentanone
Concen: 165.307 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.110 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

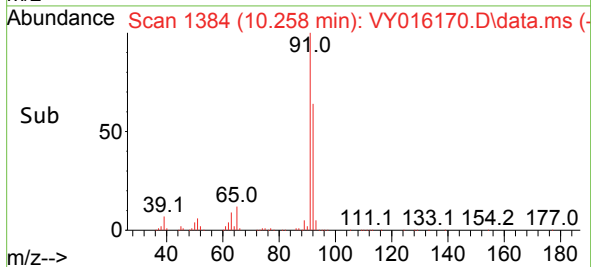
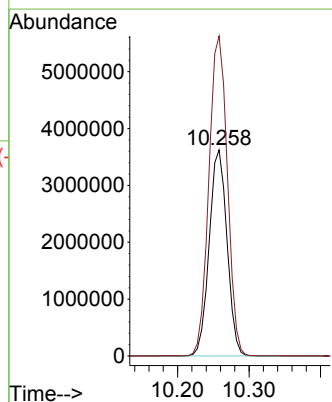
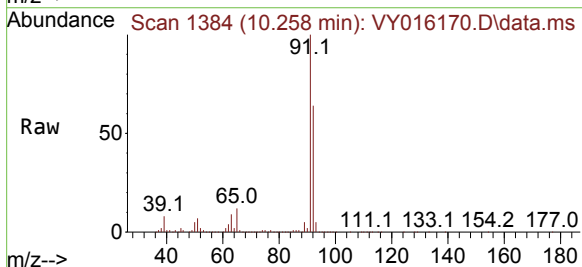
Instrument :
MSVOA_Y
ClientSampleId :

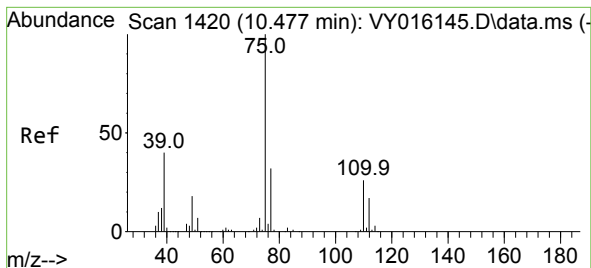
Tgt Ion: 43 Resp: 136295
Ion Ratio Lower Upper
43 100
58 3.2 29.0 43.6#



#52
Toluene
Concen: 1791.894 ug/l
RT: 10.258 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

Tgt Ion: 92 Resp: 6252193
Ion Ratio Lower Upper
92 100
91 161.1 143.8 215.6

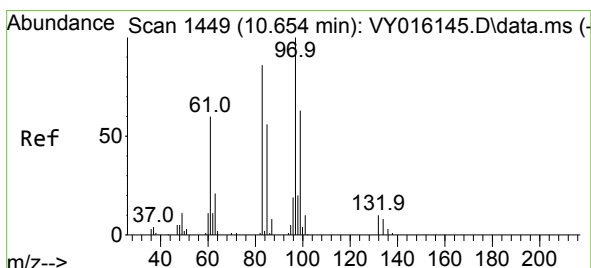
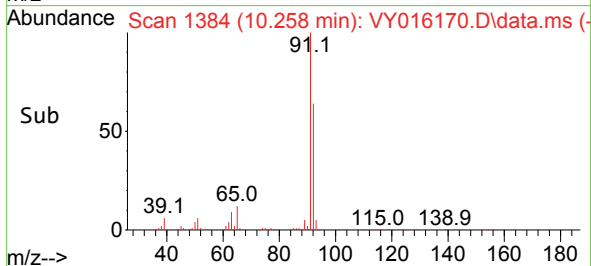
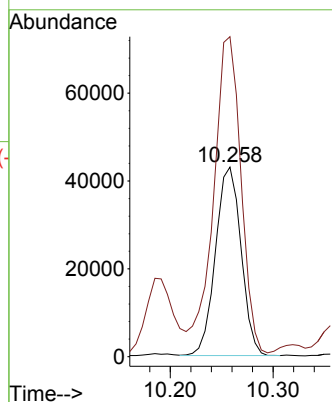
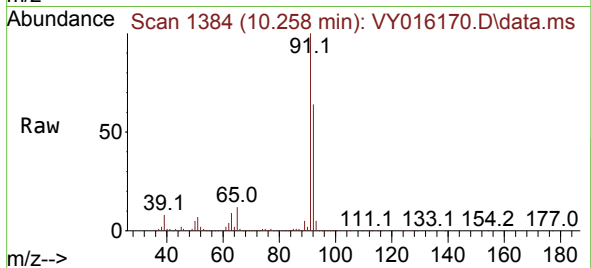




#53
t-1,3-Dichloropropene
Concen: 39.800 ug/l
RT: 10.258 min Scan# 11
Delta R.T. -0.219 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

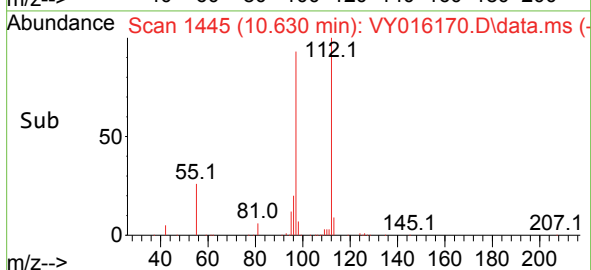
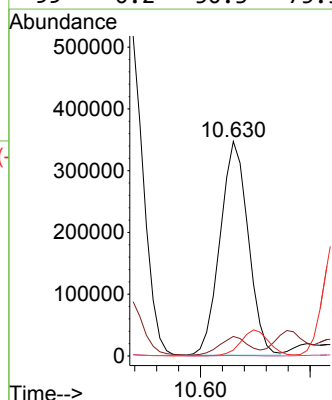
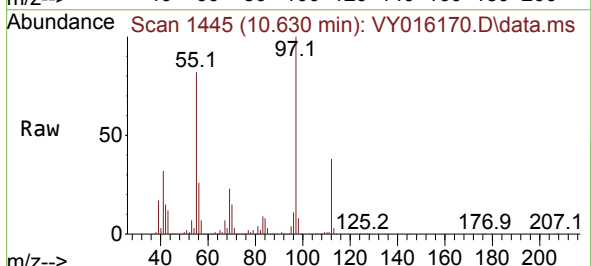
Instrument :
MSVOA_Y
ClientSampleId :

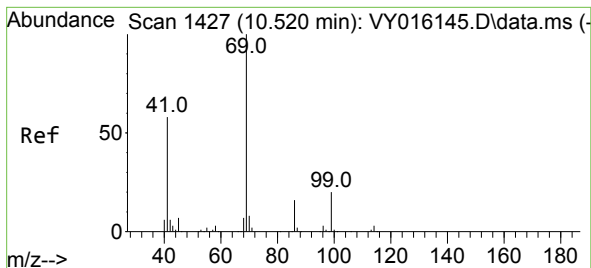
Tgt Ion: 75 Resp: 74176
Ion Ratio Lower Upper
75 100
77 164.8 25.0 37.4#



#55
1,1,2-Trichloroethane
Concen: 597.192 ug/l
RT: 10.630 min Scan# 1445
Delta R.T. -0.024 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

Tgt Ion: 97 Resp: 617258
Ion Ratio Lower Upper
97 100
83 8.5 72.0 108.0#
85 2.7 45.4 68.0#
99 0.2 50.3 75.5#





#56

Ethyl methacrylate

Concen: 197.327 ug/l

RT: 10.532 min Scan# 1429

Delta R.T. 0.012 min

Lab File: VY016170.D

Acq: 01 Nov 2023 15:50

Instrument :

MSVOA_Y

ClientSampleId :

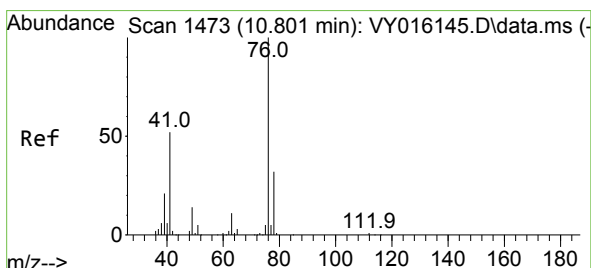
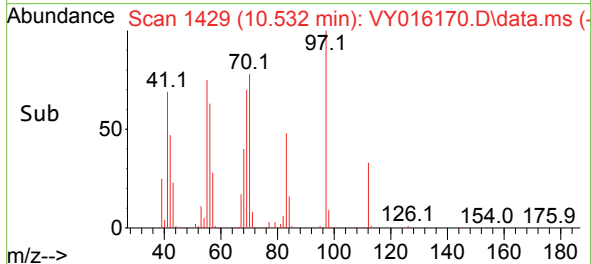
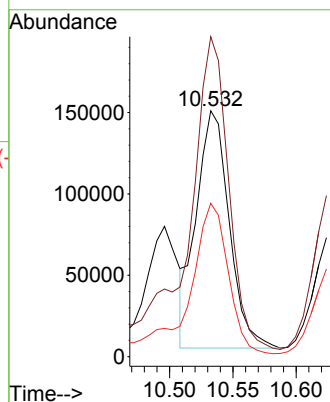
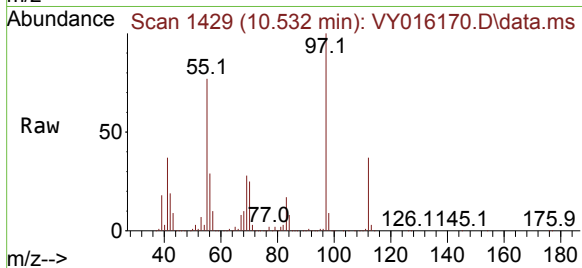
Tgt Ion: 69 Resp: 264879

Ion Ratio Lower Upper

69 100

41 165.2 57.6 86.4#

39 77.4 34.1 51.1#



#57

1,3-Dichloropropane

Concen: 2.307 ug/l

RT: 10.801 min Scan# 1473

Delta R.T. 0.000 min

Lab File: VY016170.D

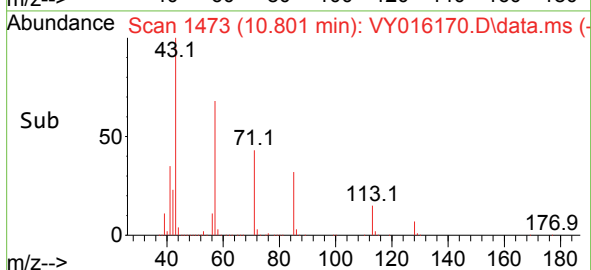
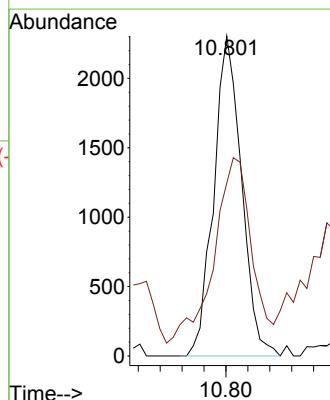
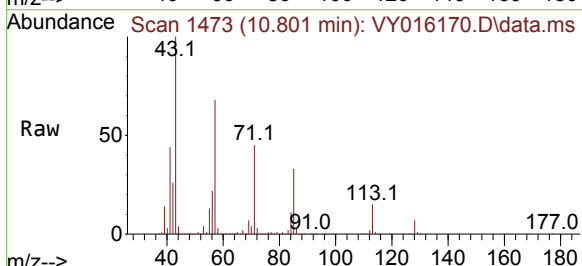
Acq: 01 Nov 2023 15:50

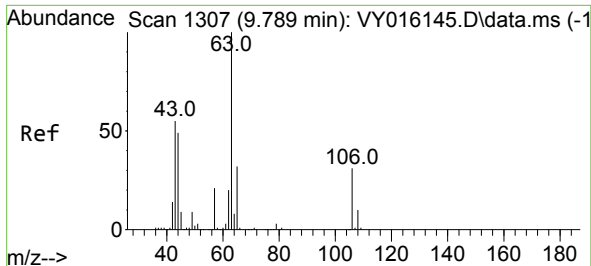
Tgt Ion: 76 Resp: 4060

Ion Ratio Lower Upper

76 100

78 77.4 25.3 37.9#

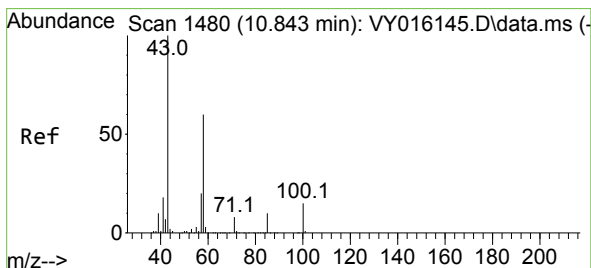
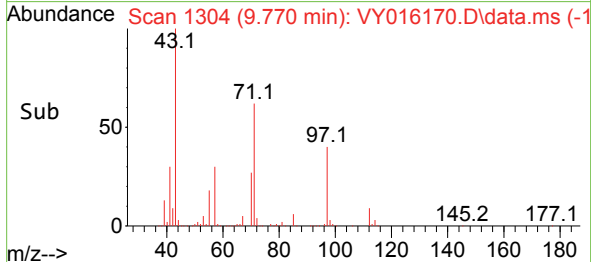
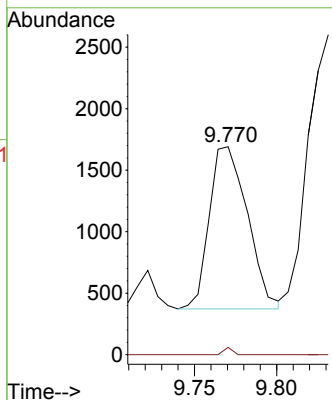
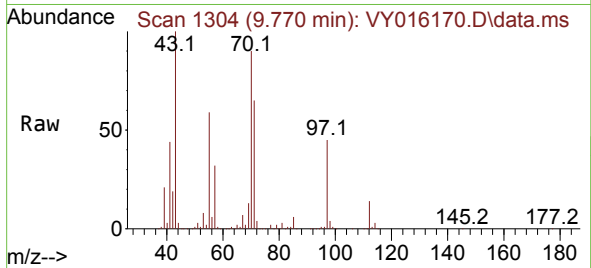




#58
2-Chloroethyl Vinyl ether
Concen: 3.265 ug/l
RT: 9.770 min Scan# 11
Delta R.T. -0.018 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

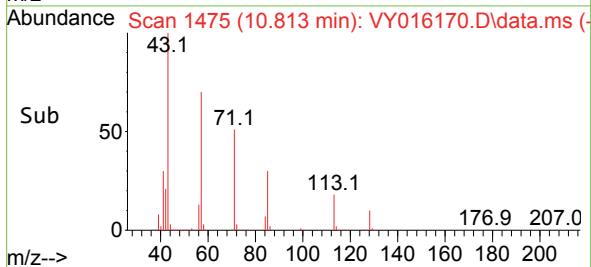
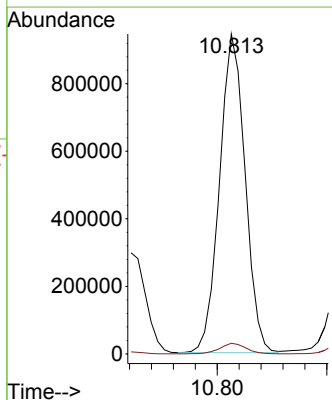
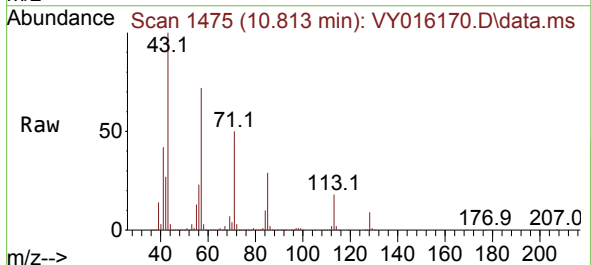
Instrument :
MSVOA_Y
ClientSampleId :

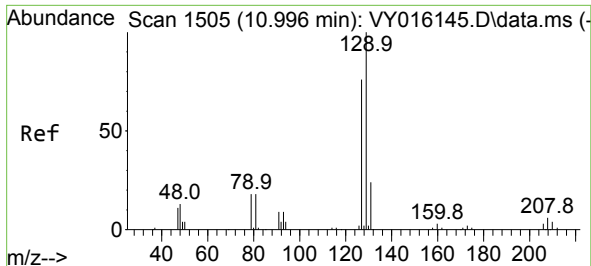
Tgt Ion: 63 Resp: 2125
Ion Ratio Lower Upper
63 100
106 1.0 21.2 31.8#



#59
2-Hexanone
Concen: 2704.503 ug/l
RT: 10.813 min Scan# 1475
Delta R.T. -0.030 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

Tgt Ion: 43 Resp: 1528034
Ion Ratio Lower Upper
43 100
58 3.4 25.1 75.3#

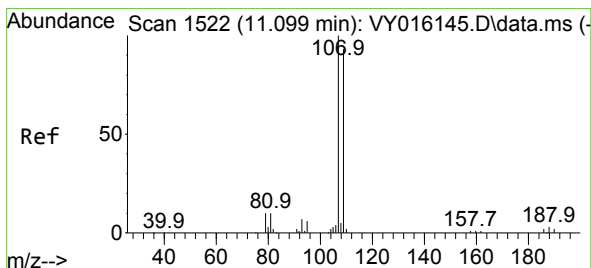
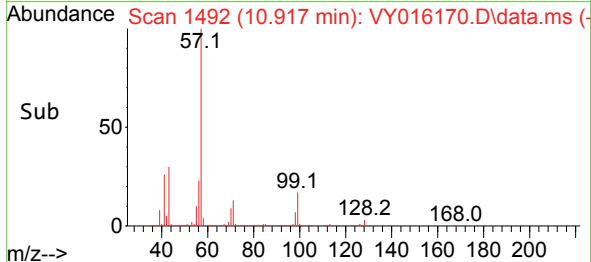
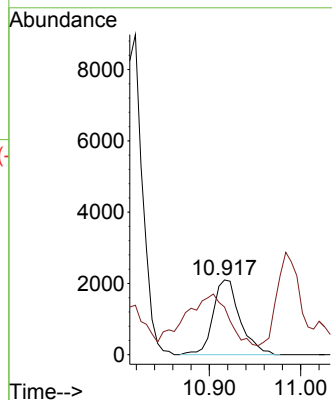
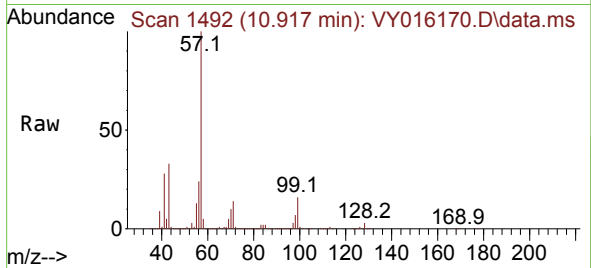




#60
 Dibromochloromethane
 Concen: 3.316 ug/l
 RT: 10.917 min Scan# 1492
 Delta R.T. -0.079 min
 Lab File: VY016170.D
 Acq: 01 Nov 2023 15:50

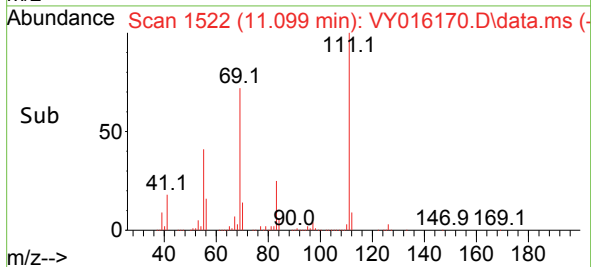
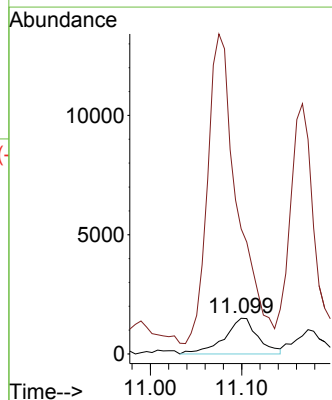
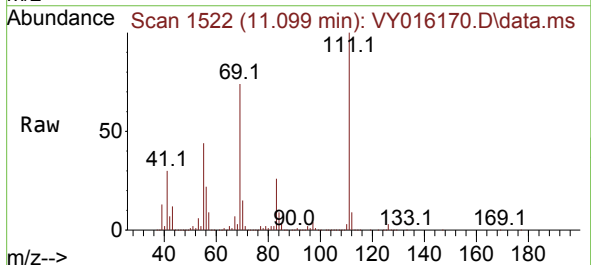
Instrument :
 MSVOA_Y
 ClientSampleId :

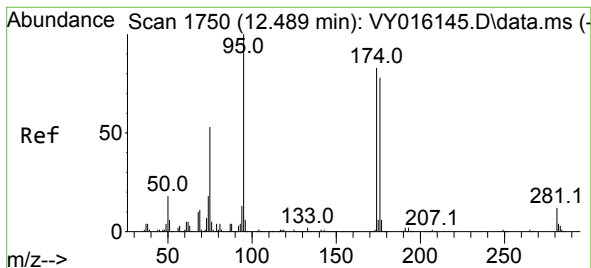
Tgt Ion:129 Resp: 4300
 Ion Ratio Lower Upper
 129 100
 127 107.8 38.5 115.5



#61
 1,2-Dibromoethane
 Concen: 3.872 ug/l
 RT: 11.099 min Scan# 1522
 Delta R.T. 0.000 min
 Lab File: VY016170.D
 Acq: 01 Nov 2023 15:50

Tgt Ion:107 Resp: 3807
 Ion Ratio Lower Upper
 107 100
 109 0.0 75.6 113.4#

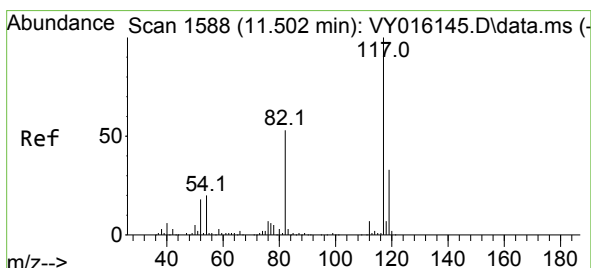
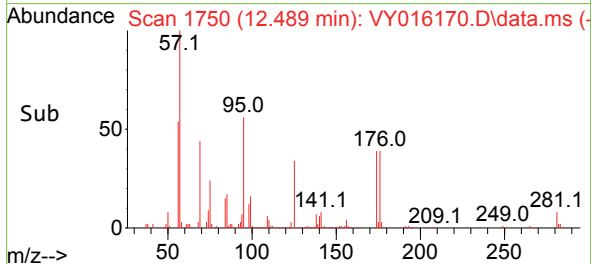
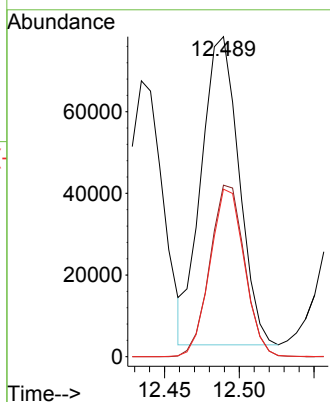
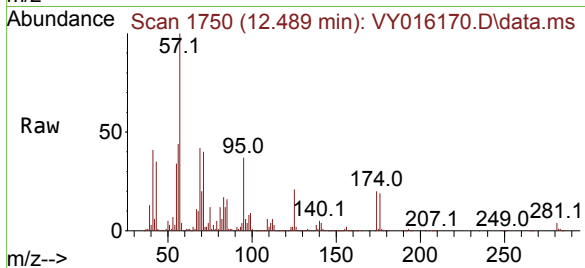




#62
4-Bromofluorobenzene
Concen: 74.896 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

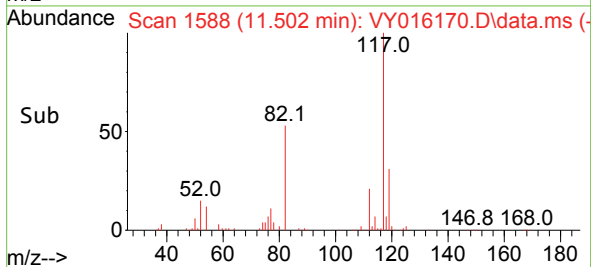
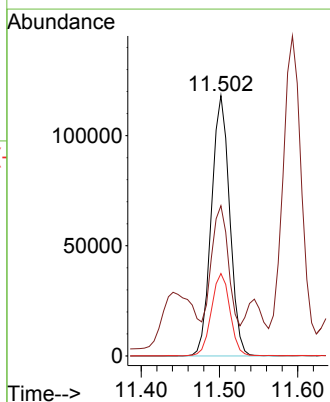
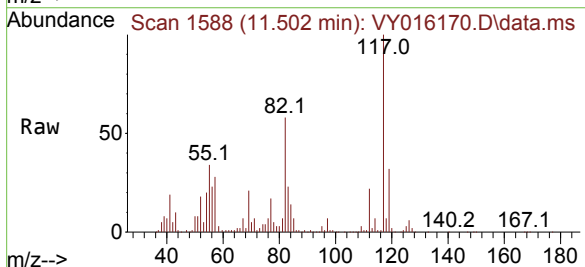
Instrument :
MSVOA_Y
ClientSampleId :

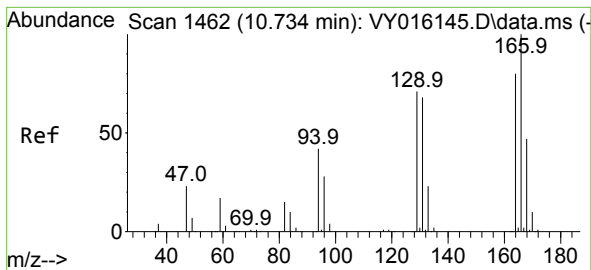
Tgt Ion: 95 Resp: 131888
Ion Ratio Lower Upper
95 100
174 51.5 0.0 178.2
176 50.0 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.000 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

Tgt Ion: 117 Resp: 191363
Ion Ratio Lower Upper
117 100
82 34.0 43.4 65.0#
119 31.5 26.3 39.5





#64

Tetrachloroethene

Concen: 1.443 ug/l

RT: 10.728 min Scan# 1461

Delta R.T. -0.006 min

Lab File: VY016170.D

Acq: 01 Nov 2023 15:50

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:164 Resp: 2457

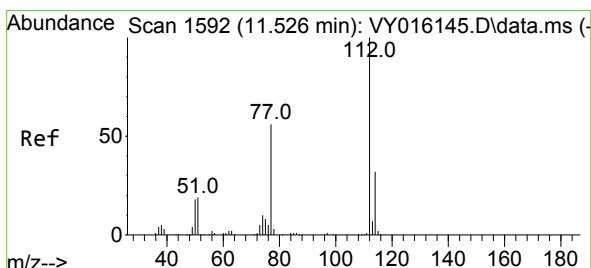
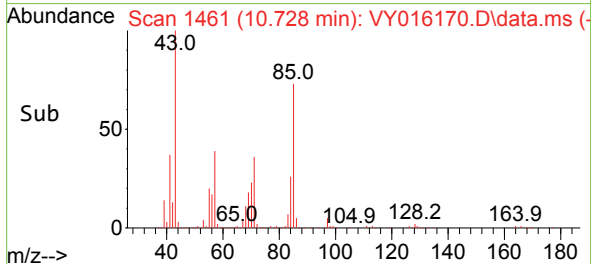
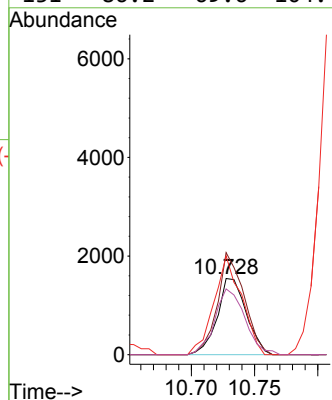
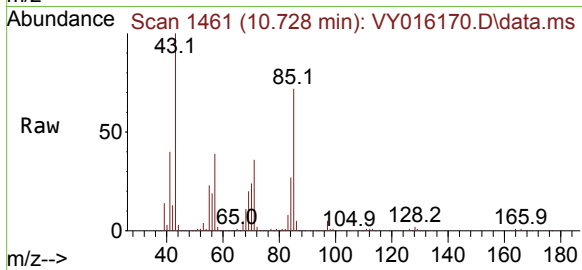
Ion Ratio Lower Upper

164 100

166 134.0 103.0 154.6

129 129.6 77.2 115.8#

131 86.2 69.6 104.4



#65

Chlorobenzene

Concen: 193.422 ug/l

RT: 11.526 min Scan# 1592

Delta R.T. 0.000 min

Lab File: VY016170.D

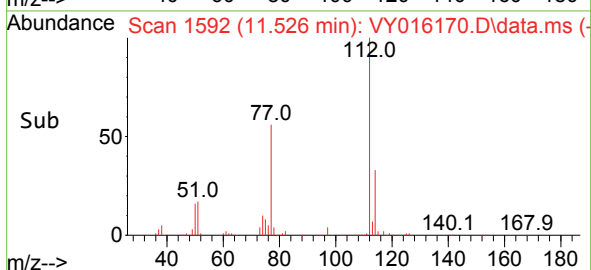
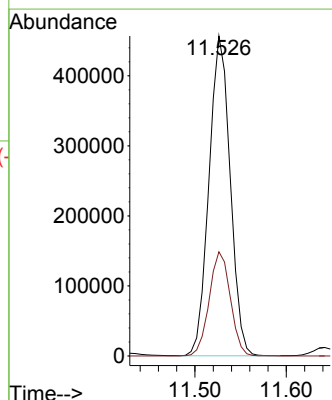
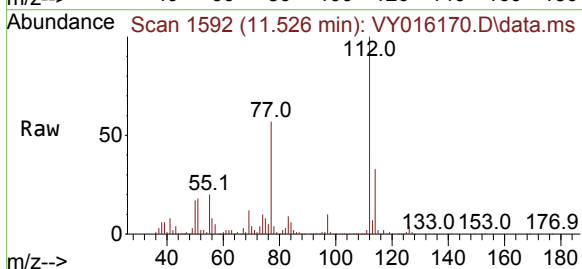
Acq: 01 Nov 2023 15:50

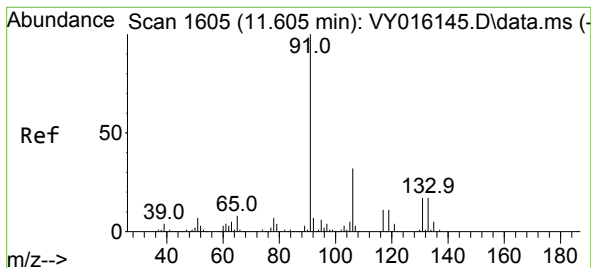
Tgt Ion:112 Resp: 735379

Ion Ratio Lower Upper

112 100

114 32.5 25.5 38.3





#67

Ethyl Benzene

Concen: 2126.098 ug/l

RT: 11.605 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY016170.D

Acq: 01 Nov 2023 15:50

Instrument :

MSVOA_Y

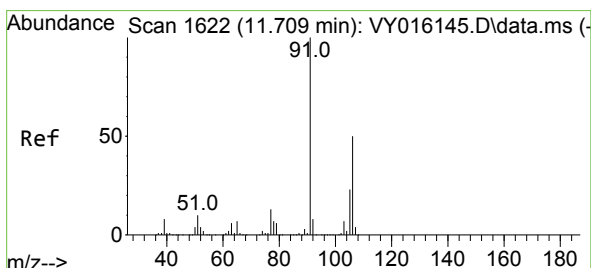
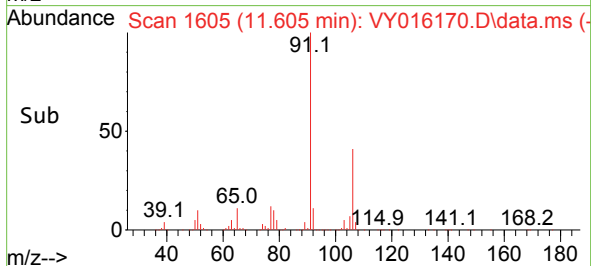
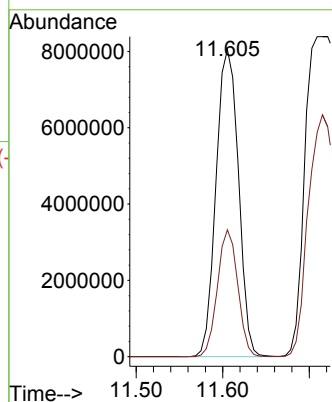
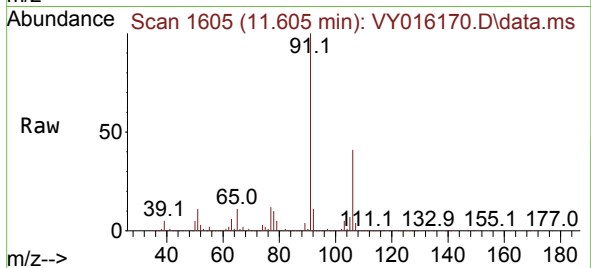
ClientSampleId :

Tgt Ion: 91 Resp:14457890

Ion Ratio Lower Upper

91 100

106 41.3 24.6 36.8#



#68

m/p-Xylenes

Concen: 5642.053 ug/l

RT: 11.715 min Scan# 1623

Delta R.T. 0.006 min

Lab File: VY016170.D

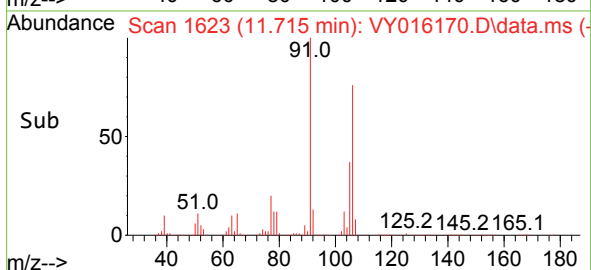
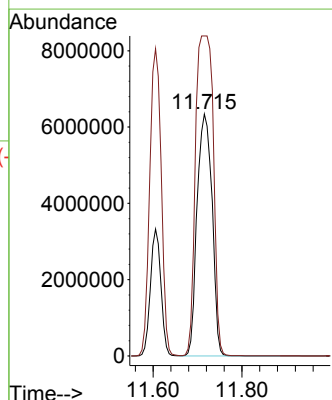
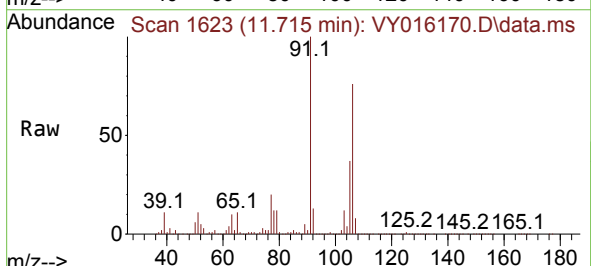
Acq: 01 Nov 2023 15:50

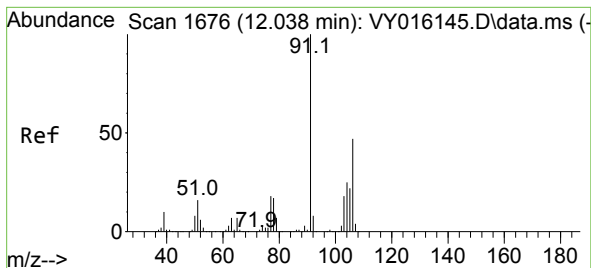
Tgt Ion:106 Resp:14825666

Ion Ratio Lower Upper

106 100

91 157.2 166.1 249.1#

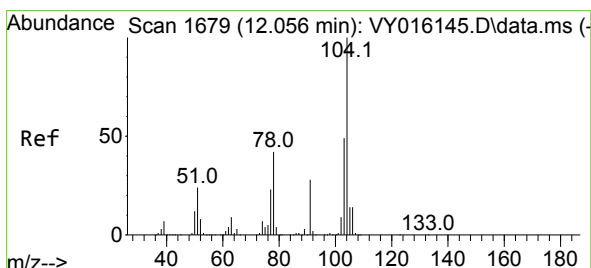
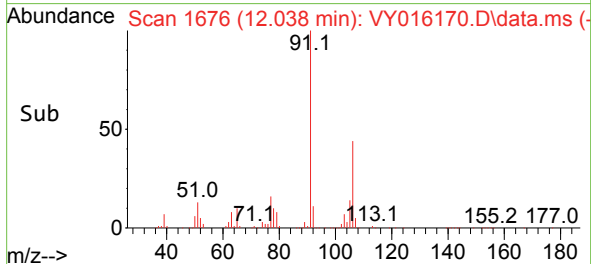
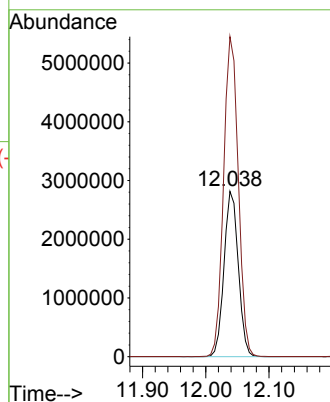
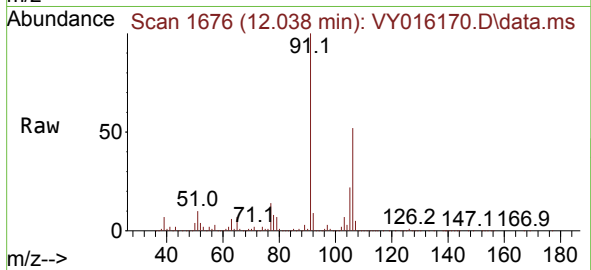




#69
o-Xylene
Concen: 1747.291 ug/l
RT: 12.038 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

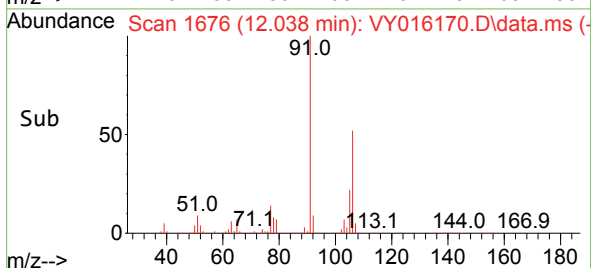
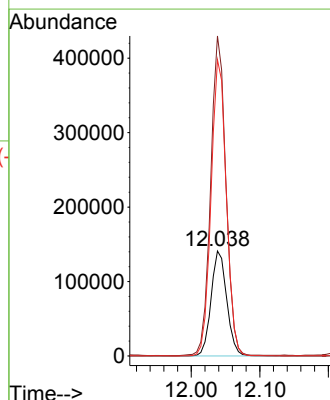
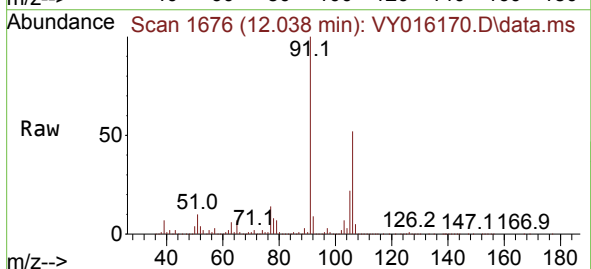
Instrument :
MSVOA_Y
ClientSampleId :

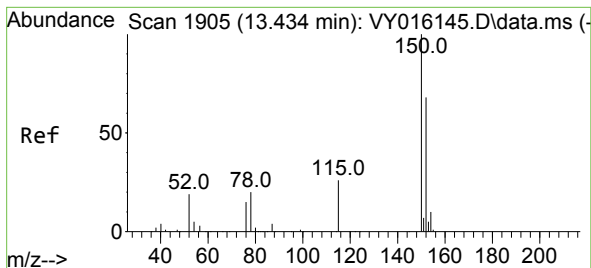
Tgt Ion:106 Resp: 4383768
Ion Ratio Lower Upper
106 100
91 199.9 108.1 324.3



#70
Styrene
Concen: 53.638 ug/l
RT: 12.038 min Scan# 1676
Delta R.T. -0.018 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

Tgt Ion:104 Resp: 223712
Ion Ratio Lower Upper
104 100
78 296.5 41.5 62.3#
103 274.7 44.6 67.0#

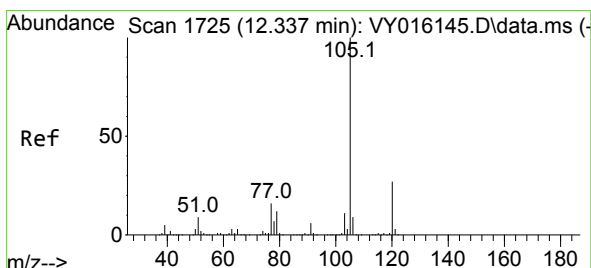
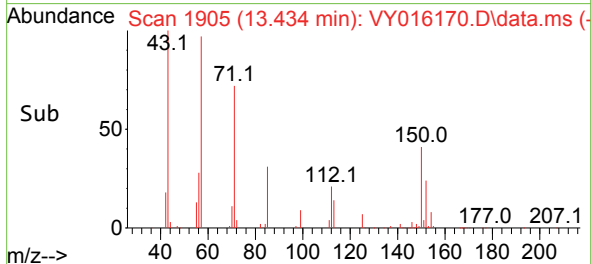
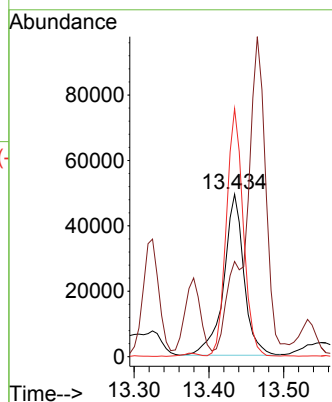
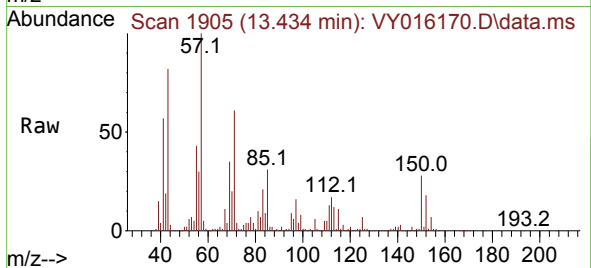




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.434 min Scan# 1905
 Delta R.T. 0.000 min
 Lab File: VY016170.D
 Acq: 01 Nov 2023 15:50

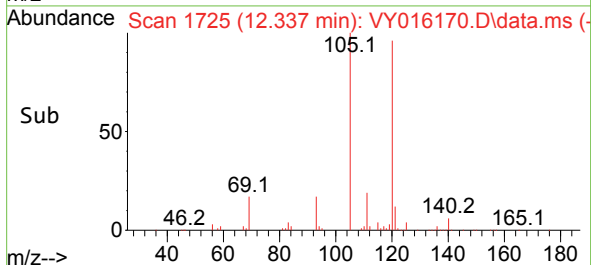
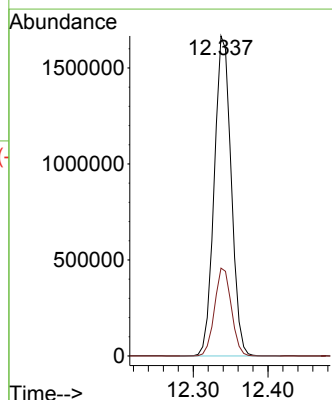
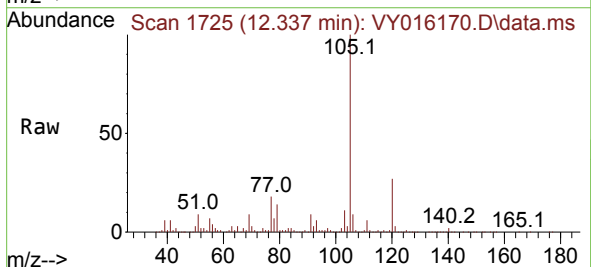
Instrument :
 MSVOA_Y
 ClientSampleId :

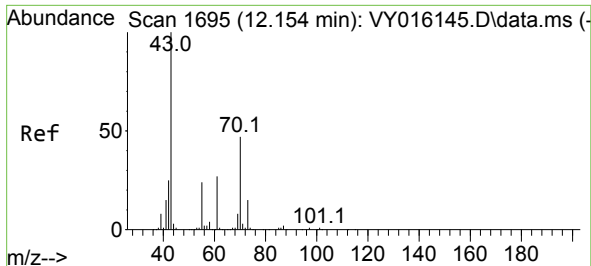
Tgt Ion:152 Resp: 92164
 Ion Ratio Lower Upper
 152 100
 115 0.0 28.8 86.5#
 150 128.6 0.0 348.8



#73
 Isopropylbenzene
 Concen: 379.832 ug/l
 RT: 12.337 min Scan# 1725
 Delta R.T. 0.000 min
 Lab File: VY016170.D
 Acq: 01 Nov 2023 15:50

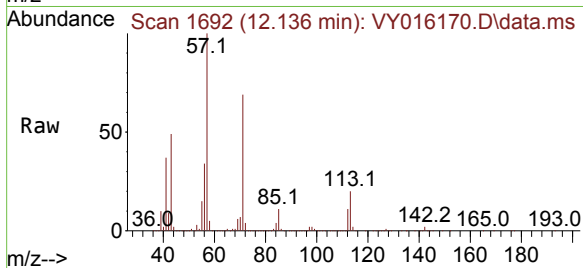
Tgt Ion:105 Resp: 2625949
 Ion Ratio Lower Upper
 105 100
 120 27.2 13.3 39.9



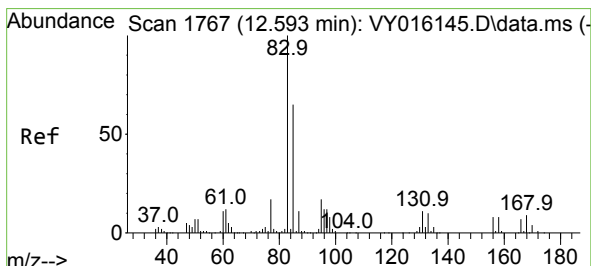
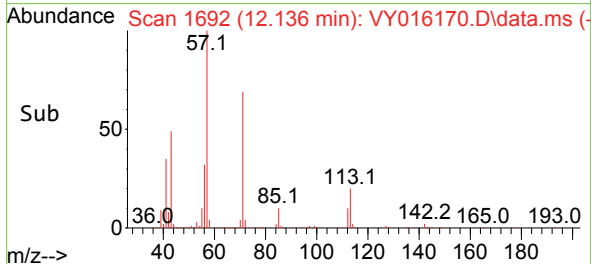
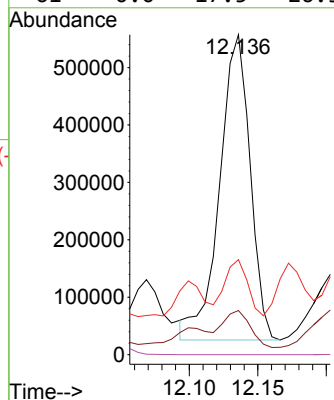


#74
N-amy1 acetate
Concen: 546.687 ug/l
RT: 12.136 min Scan# 1692
Delta R.T. -0.018 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

Instrument :
MSVOA_Y
ClientSampleId :

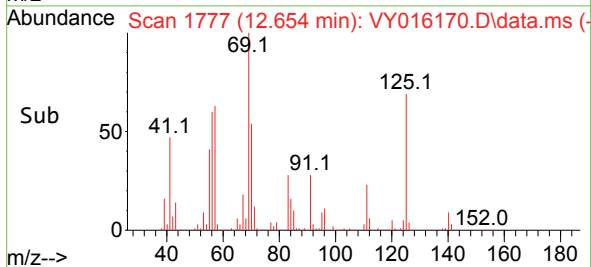
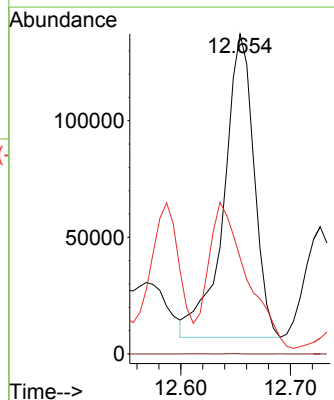
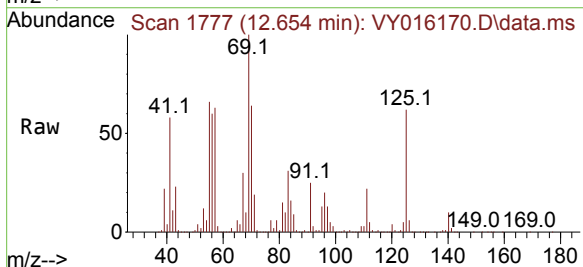


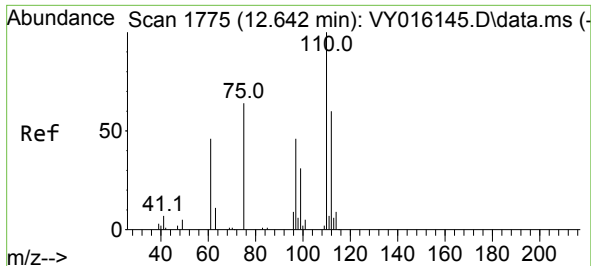
Tgt Ion: 43 Resp: 821310
Ion Ratio Lower Upper
43 100
70 10.6 29.7 44.5#
55 13.4 18.3 27.5#
61 0.0 17.5 26.3#



#75
1,1,2,2-Tetrachloroethane
Concen: 225.895 ug/l
RT: 12.654 min Scan# 1777
Delta R.T. 0.061 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

Tgt Ion: 83 Resp: 248508
Ion Ratio Lower Upper
83 100
131 0.0 5.4 16.2#
85 60.5 31.8 95.4

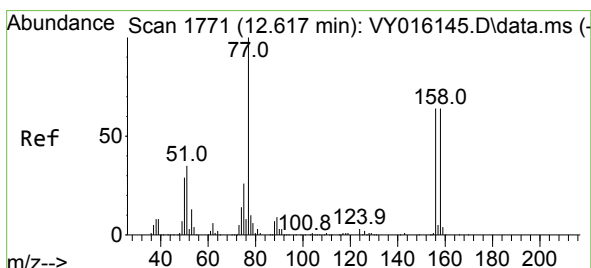
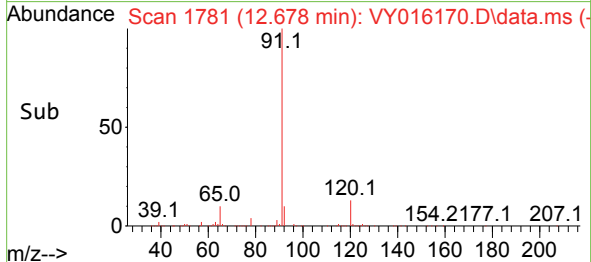
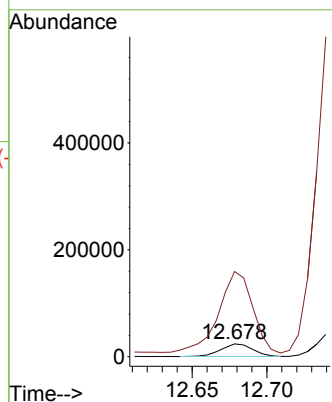
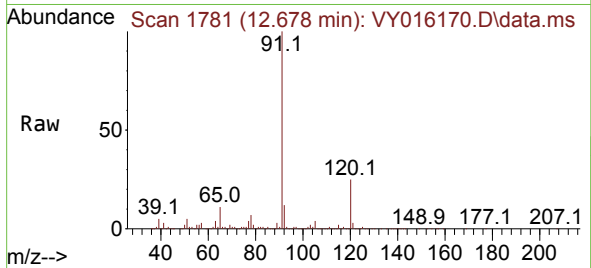




#76
1,2,3-Trichloropropane
Concen: 40.697 ug/l
RT: 12.678 min Scan# 1775
Delta R.T. 0.037 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

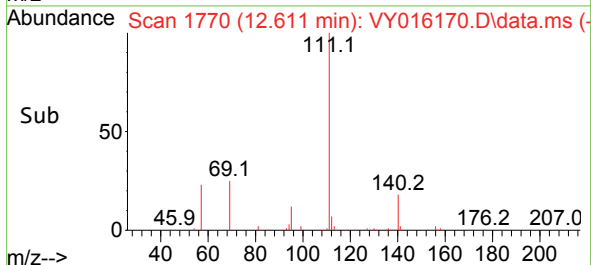
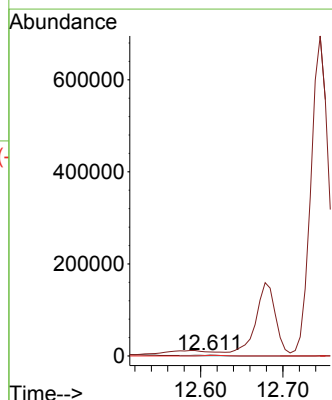
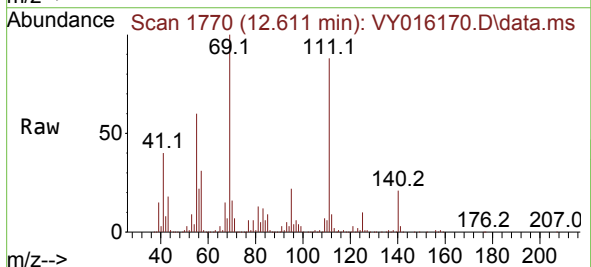
Instrument :
MSVOA_Y
ClientSampleId :

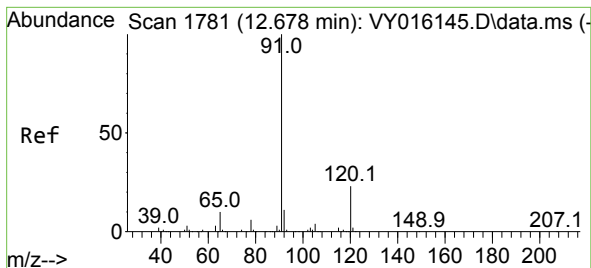
Tgt Ion: 75 Resp: 35322
Ion Ratio Lower Upper
75 100
77 707.2 0.0 0.0#



#77
Bromobenzene
Concen: 3.003 ug/l
RT: 12.611 min Scan# 1770
Delta R.T. -0.006 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

Tgt Ion: 156 Resp: 4701
Ion Ratio Lower Upper
156 100
77 0.0 92.8 278.6#
158 48.9 48.4 145.3





#78

n-propylbenzene

Concen: 695.083 ug/l

RT: 12.678 min Scan# 1781

Delta R.T. 0.000 min

Lab File: VY016170.D

Acq: 01 Nov 2023 15:50

Instrument :

MSVOA_Y

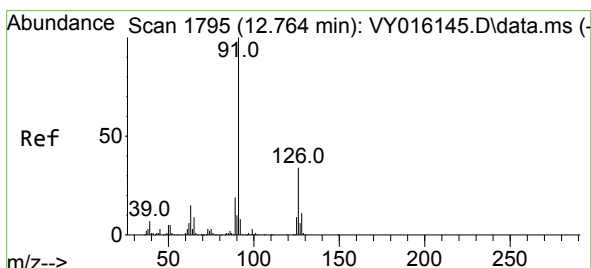
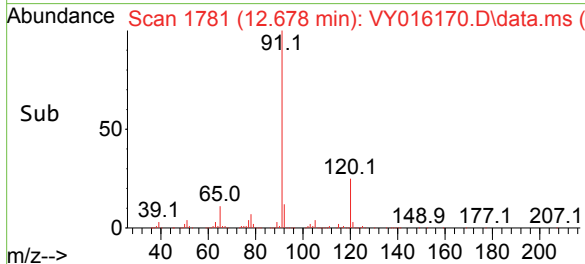
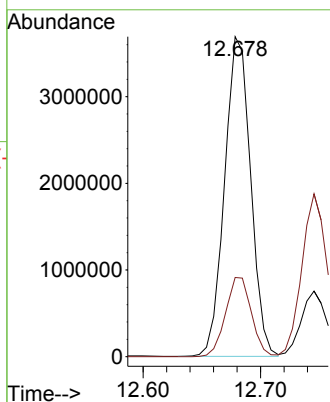
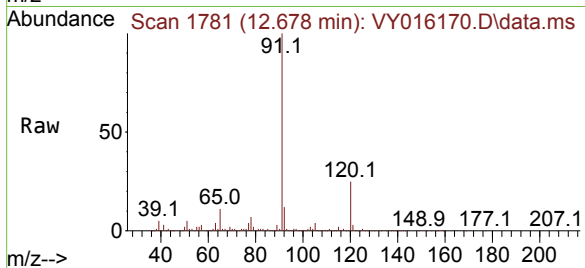
ClientSampleId :

Tgt Ion: 91 Resp: 5681281

Ion Ratio Lower Upper

91 100

120 24.7 11.5 34.4



#79

2-Chlorotoluene

Concen: 304.528 ug/l

RT: 12.745 min Scan# 1792

Delta R.T. -0.018 min

Lab File: VY016170.D

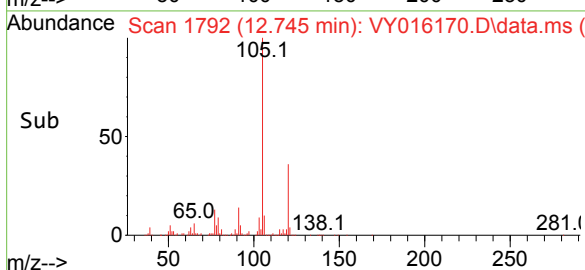
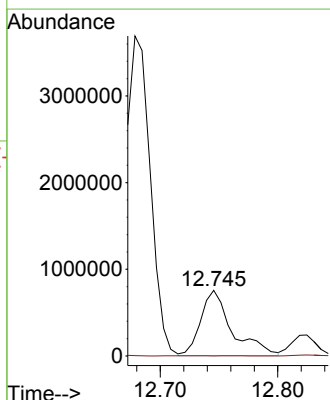
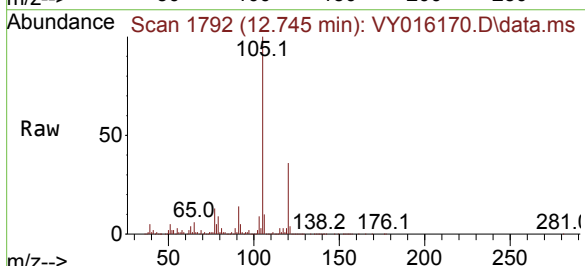
Acq: 01 Nov 2023 15:50

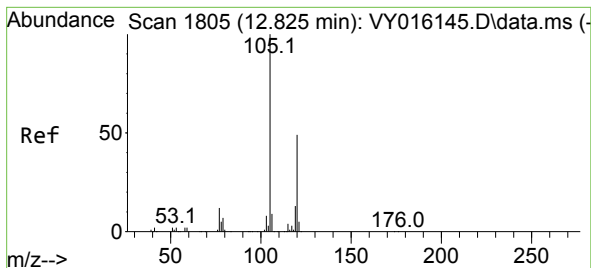
Tgt Ion: 91 Resp: 1388266

Ion Ratio Lower Upper

91 100

126 0.2 17.3 51.7#





#80

1,3,5-Trimethylbenzene

Concen: 556.838 ug/l

RT: 12.825 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY016170.D

Acq: 01 Nov 2023 15:50

Instrument :

MSVOA_Y

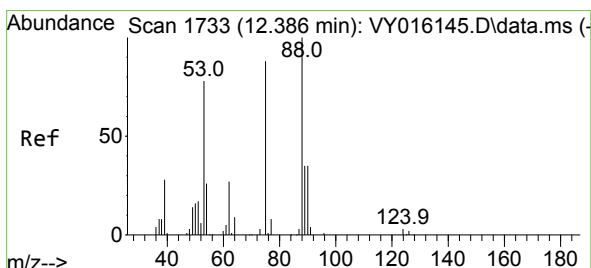
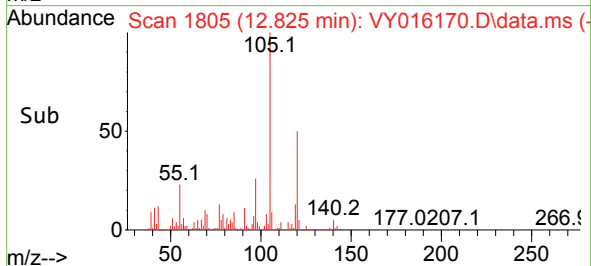
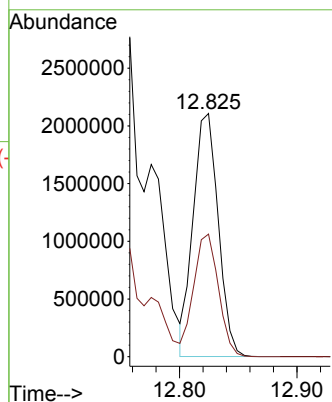
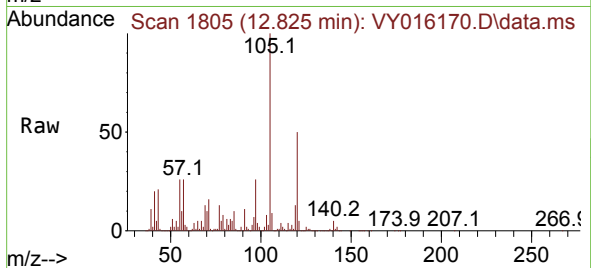
ClientSampleId :

Tgt Ion:105 Resp: 3118883

Ion Ratio Lower Upper

105 100

120 50.0 23.9 71.7



#81

trans-1,4-Dichloro-2-butene

Concen: 73.887 ug/l

RT: 12.337 min Scan# 1725

Delta R.T. -0.049 min

Lab File: VY016170.D

Acq: 01 Nov 2023 15:50

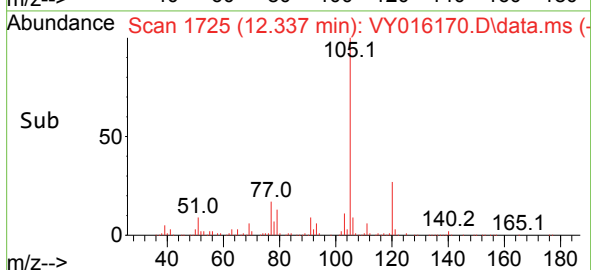
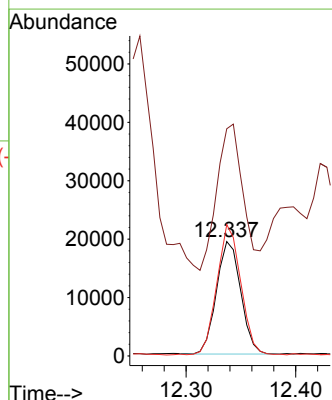
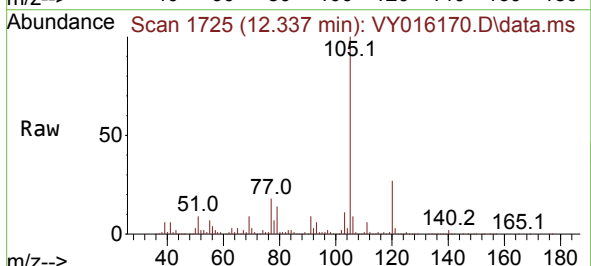
Tgt Ion: 75 Resp: 29576

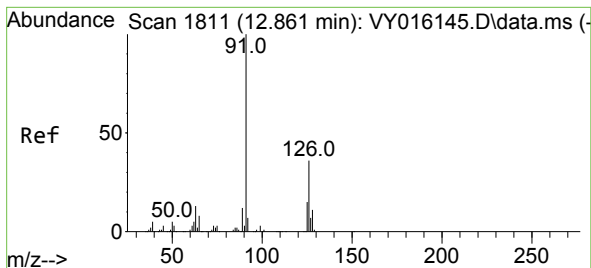
Ion Ratio Lower Upper

75 100

53 141.0 77.8 116.8#

89 114.9 37.4 56.0#

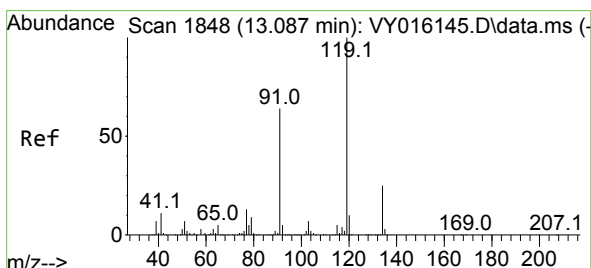
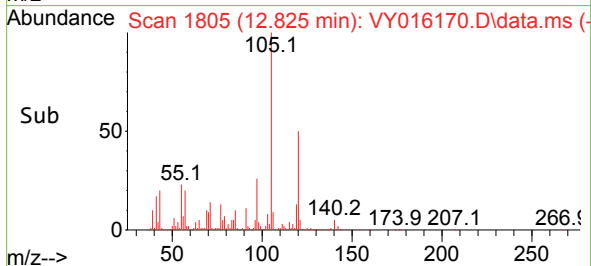
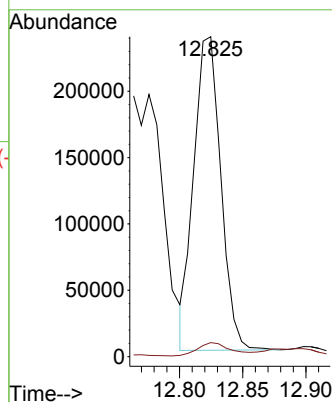
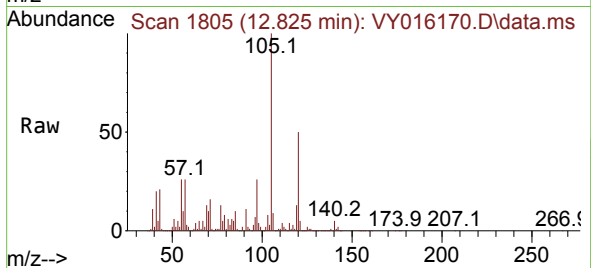




#82
4-Chlorotoluene
Concen: 75.127 ug/l
RT: 12.825 min Scan# 1805
Delta R.T. -0.036 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

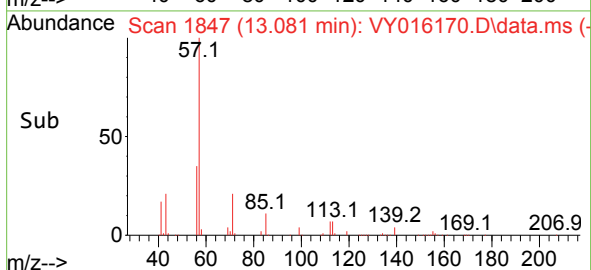
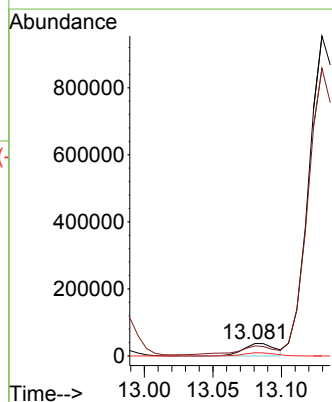
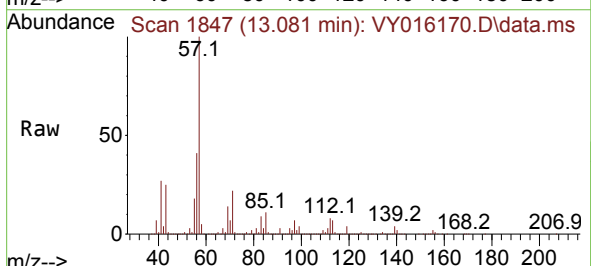
Instrument :
MSVOA_Y
ClientSampleId :

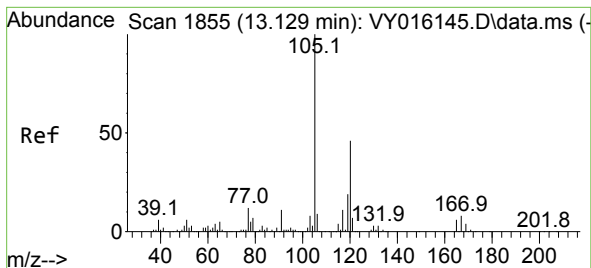
Tgt Ion: 91 Resp: 351687
Ion Ratio Lower Upper
91 100
126 5.1 17.2 51.6#



#83
tert-Butylbenzene
Concen: 11.779 ug/l
RT: 13.081 min Scan# 1847
Delta R.T. -0.006 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

Tgt Ion: 119 Resp: 59030
Ion Ratio Lower Upper
119 100
91 81.7 32.9 98.6
134 25.8 13.0 38.9





#84

1,2,4-Trimethylbenzene

Concen: 1913.628 ug/l

RT: 13.130 min Scan# 1855

Delta R.T. 0.000 min

Lab File: VY016170.D

Acq: 01 Nov 2023 15:50

Instrument :

MSVOA_Y

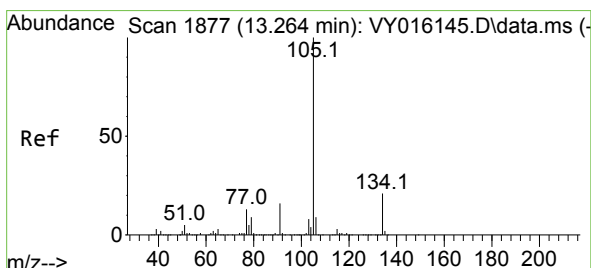
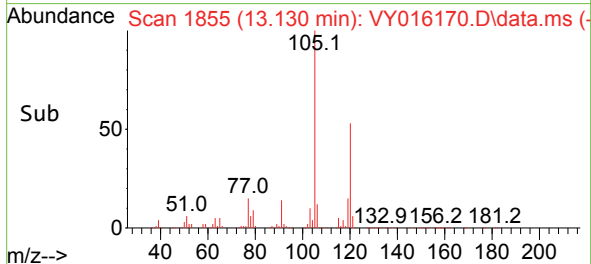
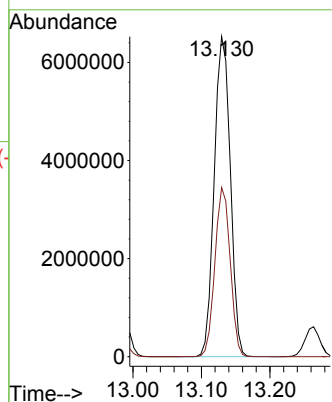
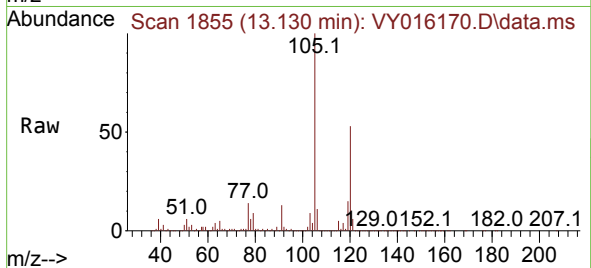
ClientSampleId :

Tgt Ion:105 Resp:10605818

Ion Ratio Lower Upper

105 100

120 50.3 22.2 66.6



#85

sec-Butylbenzene

Concen: 125.383 ug/l

RT: 13.264 min Scan# 1877

Delta R.T. 0.000 min

Lab File: VY016170.D

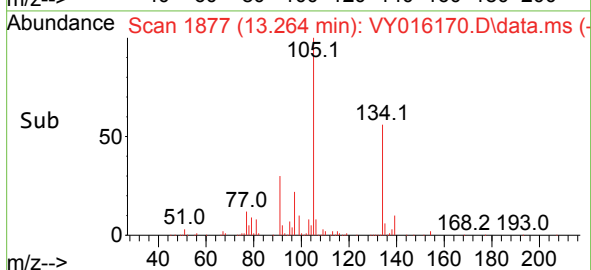
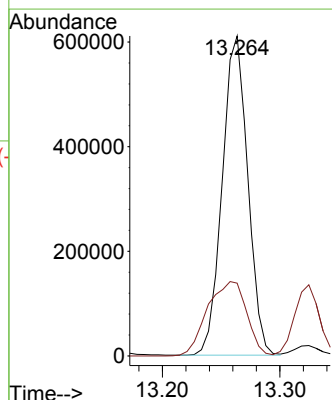
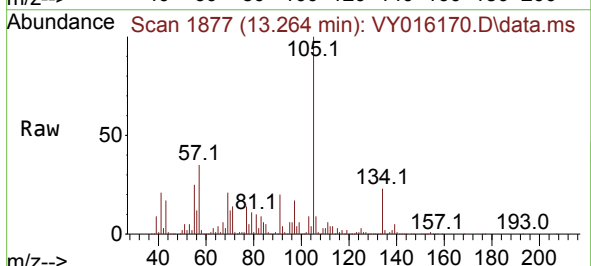
Acq: 01 Nov 2023 15:50

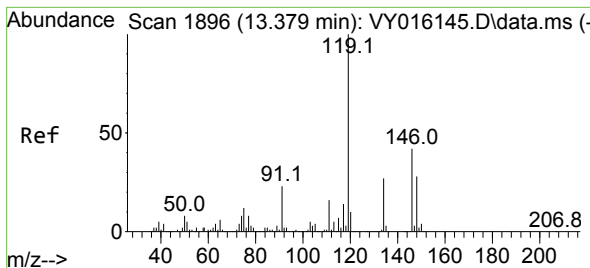
Tgt Ion:105 Resp: 922272

Ion Ratio Lower Upper

105 100

134 35.8 10.2 30.6#





#86

p-Isopropyltoluene

Concen: 71.081 ug/l

RT: 13.380 min Scan# 1896

Delta R.T. 0.000 min

Lab File: VY016170.D

Acq: 01 Nov 2023 15:50

Instrument :

MSVOA_Y

ClientSampleId :

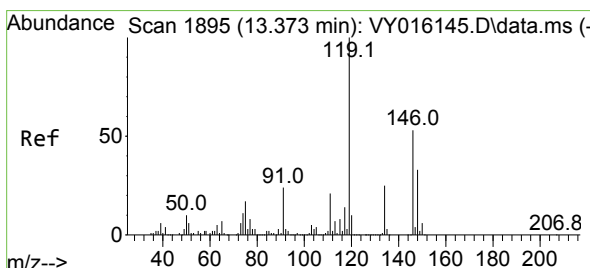
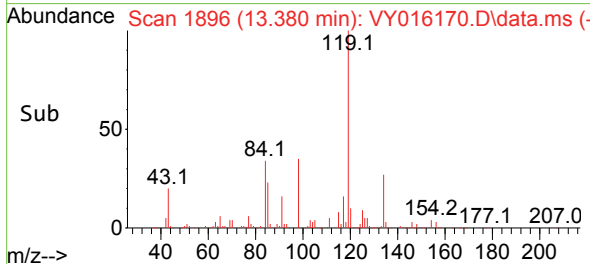
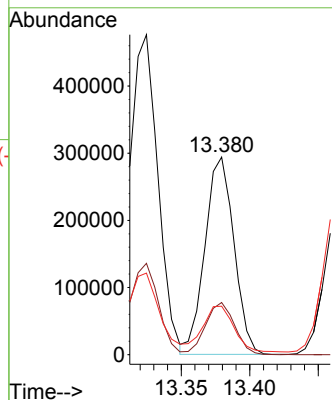
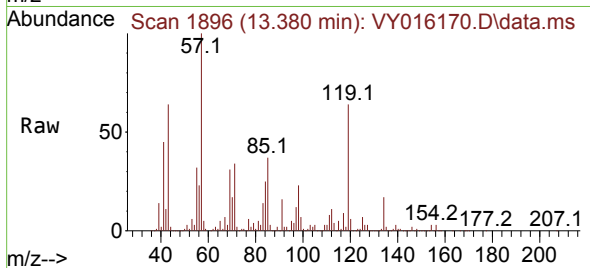
Tgt Ion:119 Resp: 433334

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

91 25.3 12.4 37.4



#87

1,3-Dichlorobenzene

Concen: 4.364 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.000 min

Lab File: VY016170.D

Acq: 01 Nov 2023 15:50

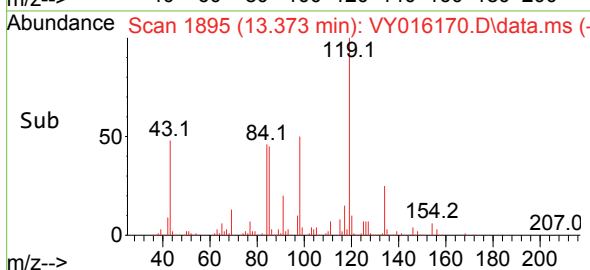
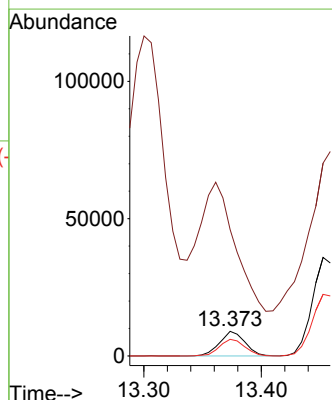
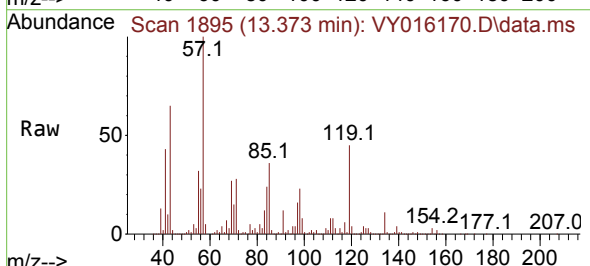
Tgt Ion:146 Resp: 13512

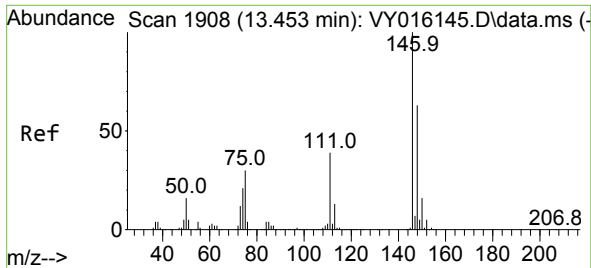
Ion Ratio Lower Upper

146 100

111 716.2 19.4 58.2#

148 67.4 31.9 95.5

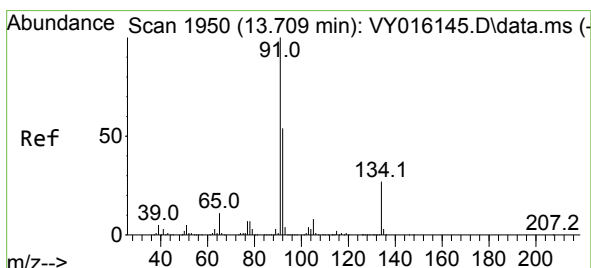
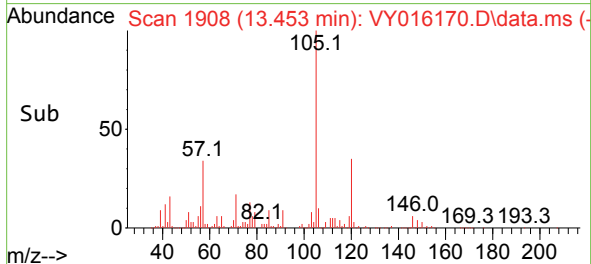
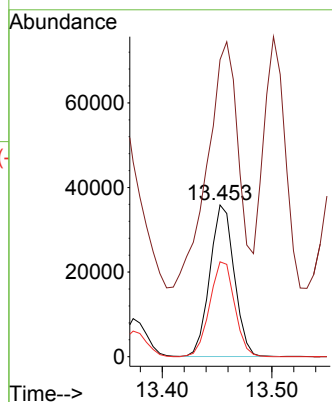
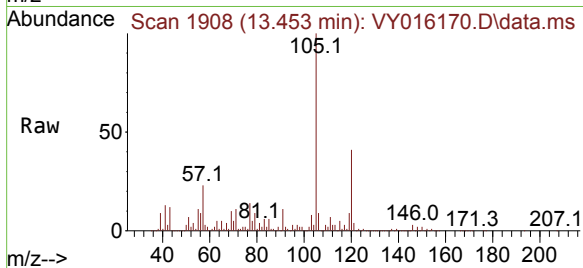




#88
1,4-Dichlorobenzene
Concen: 18.066 ug/l
RT: 13.453 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

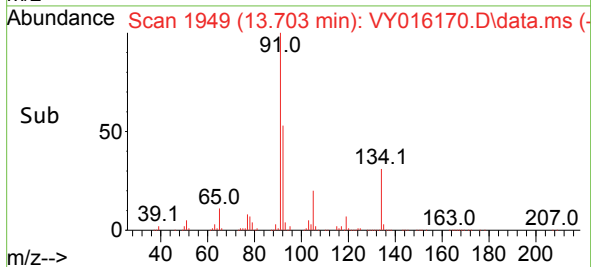
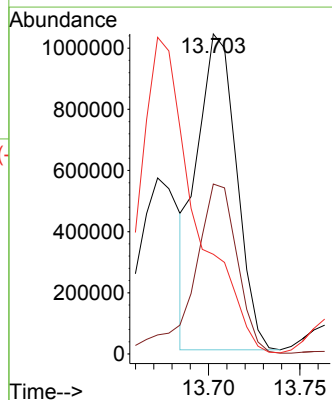
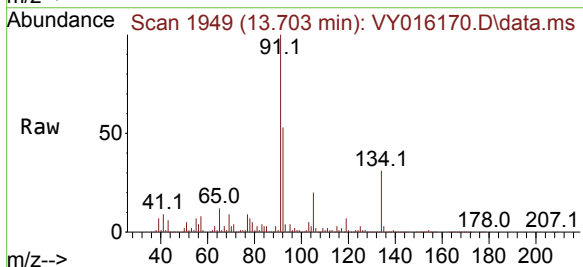
Instrument :
MSVOA_Y
ClientSampleId :

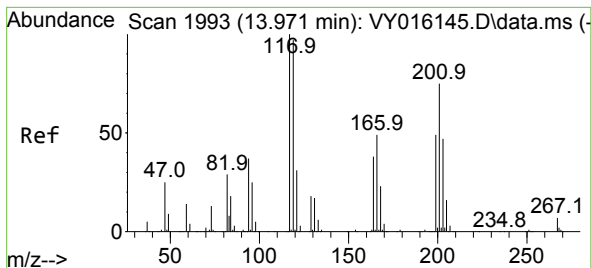
Tgt Ion:146 Resp: 55282
Ion Ratio Lower Upper
146 100
111 207.5 18.9 56.7#
148 64.1 32.1 96.5



#89
n-Butylbenzene
Concen: 277.138 ug/l
RT: 13.703 min Scan# 1949
Delta R.T. -0.006 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

Tgt Ion: 91 Resp: 1552402
Ion Ratio Lower Upper
91 100
92 58.8 25.4 76.0
134 0.0 12.6 37.6#

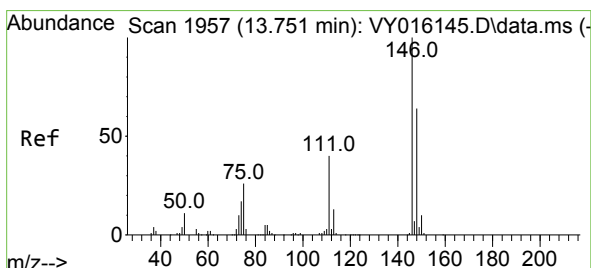
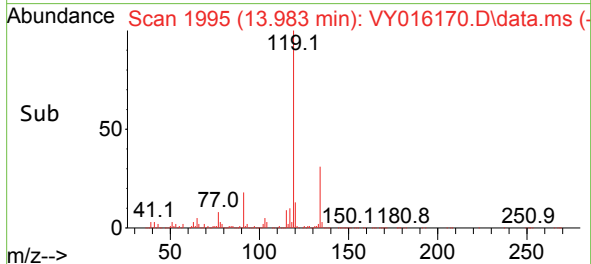
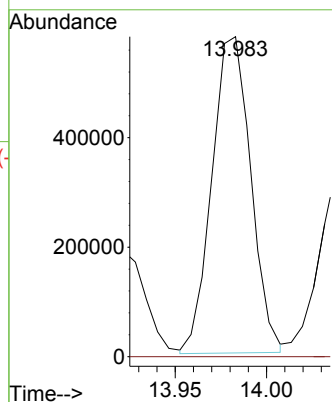
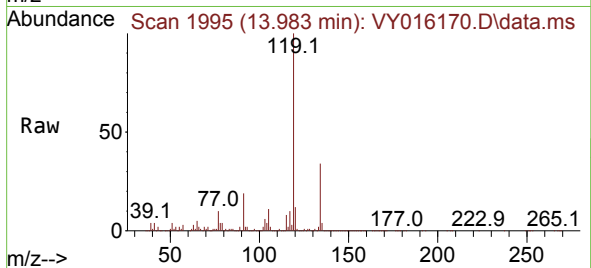




#90
Hexachloroethane
Concen: 814.647 ug/l
RT: 13.983 min Scan# 1995
Delta R.T. 0.012 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

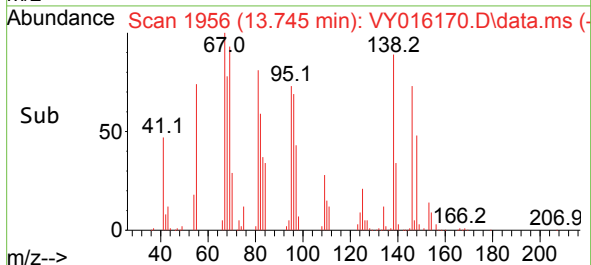
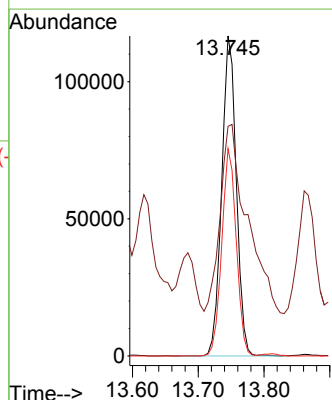
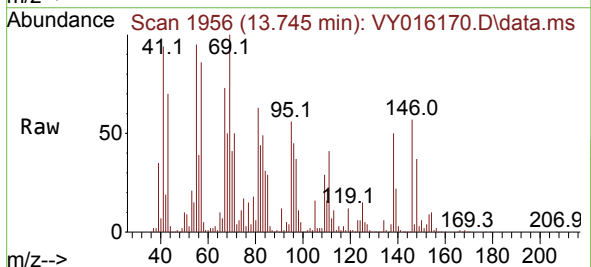
Instrument :
MSVOA_Y
ClientSampleId :

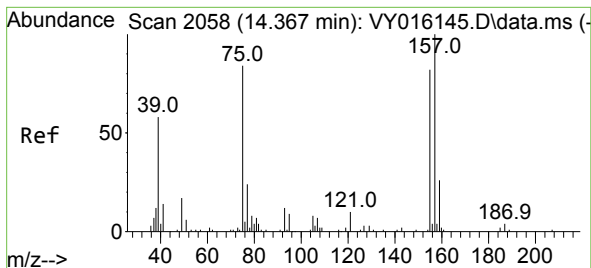
Tgt Ion:117 Resp: 855844
Ion Ratio Lower Upper
117 100
201 0.0 41.6 124.8#



#91
1,2-Dichlorobenzene
Concen: 67.243 ug/l
RT: 13.745 min Scan# 1956
Delta R.T. -0.006 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

Tgt Ion:146 Resp: 179873
Ion Ratio Lower Upper
146 100
111 118.6 19.7 59.0#
148 64.6 32.0 96.2

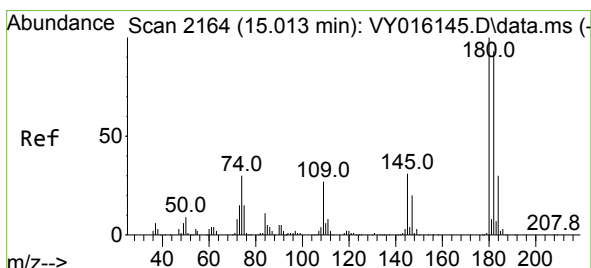
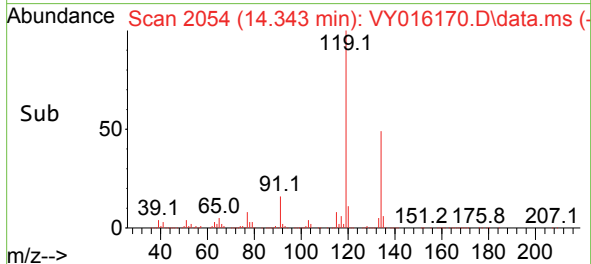
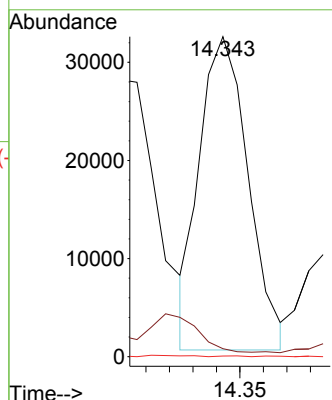
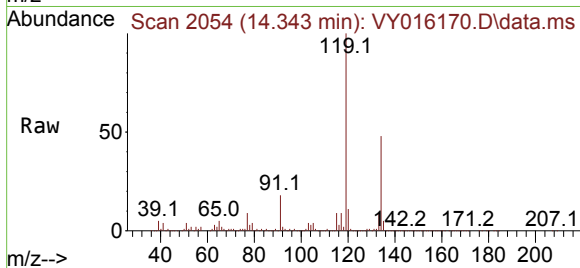




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 233.161 ug/l
 RT: 14.343 min Scan# 2054
 Delta R.T. -0.024 min
 Lab File: VY016170.D
 Acq: 01 Nov 2023 15:50

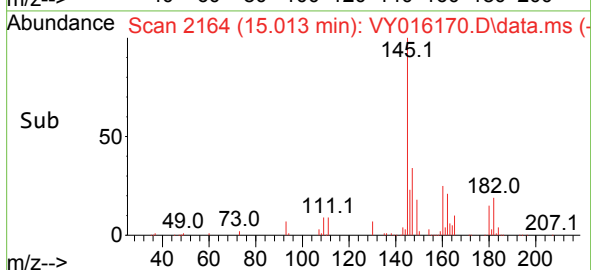
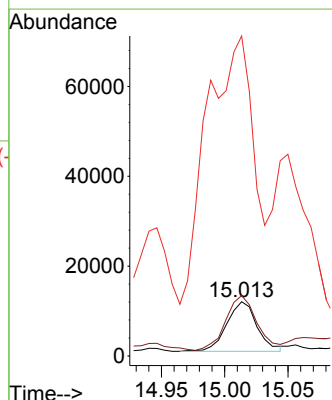
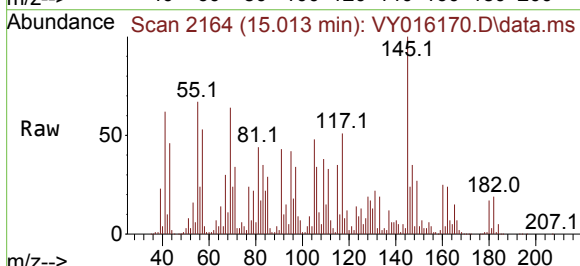
Instrument :
 MSVOA_Y
 ClientSampleId :

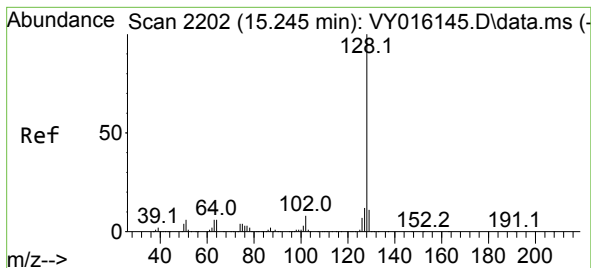
Tgt Ion: 75 Resp: 45905
 Ion Ratio Lower Upper
 75 100
 155 0.0 41.5 124.6#
 157 0.1 51.8 155.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 11.151 ug/l
 RT: 15.013 min Scan# 2164
 Delta R.T. 0.000 min
 Lab File: VY016170.D
 Acq: 01 Nov 2023 15:50

Tgt Ion:180 Resp: 18411
 Ion Ratio Lower Upper
 180 100
 182 113.3 47.0 141.2
 145 1020.3 14.5 43.5#





#95

Naphthalene

Concen: 549.623 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. -0.006 min

Lab File: VY016170.D

Acq: 01 Nov 2023 15:50

Instrument :

MSVOA_Y

ClientSampleId :

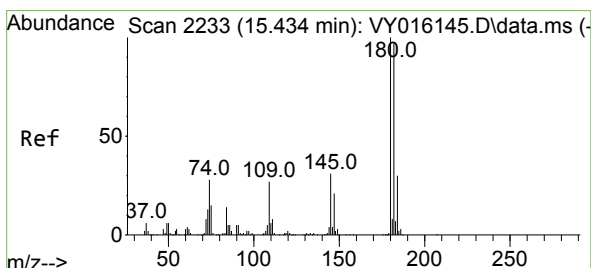
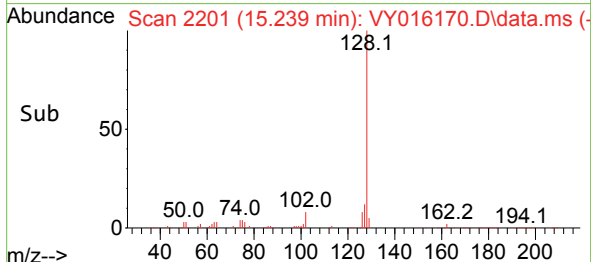
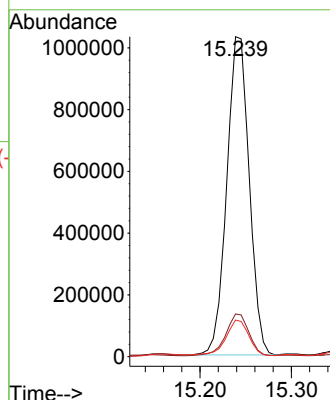
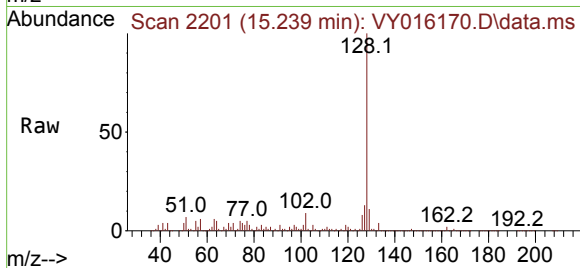
Tgt Ion:128 Resp: 1762895

Ion Ratio Lower Upper

128 100

127 13.5 10.8 16.2

129 11.4 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 7.743 ug/l

RT: 15.434 min Scan# 2233

Delta R.T. 0.000 min

Lab File: VY016170.D

Acq: 01 Nov 2023 15:50

Tgt Ion:180 Resp: 10921

Ion Ratio Lower Upper

180 100

182 79.1 47.3 141.8

145 857.0 15.4 46.2#

