

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042623\
 Data File : VY013467.D
 Acq On : 26 Apr 2023 12:46
 Operator : KP/MD
 Sample : 02386-10
 Misc : 3.95g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SPA-3WC-23-04

Quant Time: Apr 27 01:31:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	161647	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	261019	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	175554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	141531	50.000	ug/l	# 0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	103248	58.266	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.540%	
35) Dibromofluoromethane	7.716	113	88185	53.716	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.440%	
50) Toluene-d8	10.179	98	485974	83.212	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 166.420%#	
62) 4-Bromofluorobenzene	12.477	95	279208	141.812	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 283.620%#	

Target Compounds			Qvalue			
11) Tert butyl alcohol	5.003	59	1634	8.816	ug/l #	89
13) Acrolein	3.735	56	348	Below Cal	#	16
15) Acrylonitrile	5.241	53	10837	18.288	ug/l #	39
16) Acetone	3.979	43	116495	166.938	ug/l	92
17) Carbon Disulfide	4.192	76	17591	3.224	ug/l	100
20) Methylene Chloride	4.710	84	25942	4.506	ug/l #	83
25) 2-Butanone	6.990	43	57090	64.508	ug/l #	82
26) 2,2-Dichloropropane	6.990	77	5984	2.045	ug/l #	53
27) cis-1,2-Dichloroethene	6.996	96	3204	1.579	ug/l	54
31) Cyclohexane	7.771	56	442253	139.396	ug/l #	59
37) Ethyl Acetate	6.990	43	57090	27.844	ug/l #	88
38) Carbon Tetrachloride	7.789	117	16685	5.843	ug/l #	14
39) Methylcyclohexane	9.185	83	1711518	532.844	ug/l	92
40) Benzene	8.161	78	2664711	347.198	ug/l	100
41) Methacrylonitrile	7.350	41	993	1.039	ug/l #	30
42) 1,2-Dichloroethane	8.161	62	24888	9.919	ug/l #	75
43) Isopropyl Acetate	8.265	43	144146	41.651	ug/l #	53
47) Bromodichloromethane	9.459	83	13335	4.963	ug/l #	74
48) Methyl methacrylate	9.240	41	175912	110.676	ug/l #	39
49) 1,4-Dioxane	9.179	88	53	3.091	ug/l #	1
51) 4-Methyl-2-Pentanone	10.179	43	162419	84.220	ug/l #	41
52) Toluene	10.246	92	7124481	1542.586	ug/l	92
53) t-1,3-Dichloropropene	10.246	75	94849	33.357	ug/l #	1
55) 1,1,2-Trichloroethane	10.618	97	576827	362.768	ug/l #	21
56) Ethyl methacrylate	10.520	69	228430	103.550	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.758	63	1574	1.903	ug/l #	86
59) 2-Hexanone	10.807	43	1224184	873.247	ug/l #	30
61) 1,2-Dibromoethane	11.105	107	1865	1.193	ug/l #	2
65) Chlorobenzene	11.520	112	6931704	1812.571	ug/l	95
68) m/p-Xylenes	11.593	106	16307343	6387.846	ug/l #	1
69) o-Xylene	12.032	106	12036399	4985.314	ug/l	58
70) Styrene	12.032	104	846252	209.629	ug/l #	1
73) Isopropylbenzene	12.331	105	3488611	325.889	ug/l	96
74) N-amyl acetate	12.130	43	2915671	765.380	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	12.532	83	199565	76.270	ug/l #	13
76) 1,2,3-Trichloropropane	12.672	75	52713	27.617	ug/l #	100

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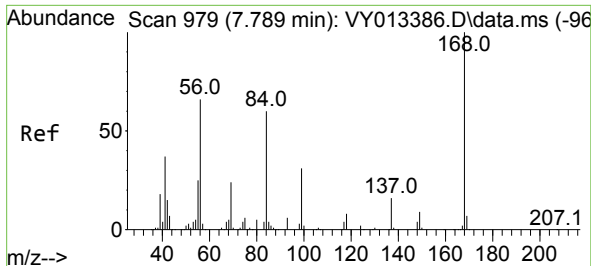
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

77) Bromobenzene	12.611	156	9793	3.775	ug/l #	6
78) n-propylbenzene	12.672	91	7726697	585.999	ug/l	97
79) 2-Chlorotoluene	12.739	91	5072876	688.951	ug/l #	47
80) 1,3,5-Trimethylbenzene	12.813	105	13521641	1547.578	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.422	75	2444	2.619	ug/l #	1
82) 4-Chlorotoluene	12.819	91	1932590	251.819	ug/l #	44
83) tert-Butylbenzene	13.081	119	879697	116.213	ug/l	90
84) 1,2,4-Trimethylbenzene	12.977	105	8051310	947.802	ug/l	79
85) sec-Butylbenzene	13.258	105	1543118	135.829	ug/l #	42
86) p-Isopropyltoluene	13.373	119	5308481	581.051	ug/l #	68
87) 1,3-Dichlorobenzene	13.453	146	9038048	1828.934	ug/l	91
88) 1,4-Dichlorobenzene	13.453	146	9038048	1810.546	ug/l	90
89) n-Butylbenzene	13.703	91	2034302	228.141	ug/l #	69
90) Hexachloroethane	13.977	117	672075	349.528	ug/l #	8
91) 1,2-Dichlorobenzene	13.745	146	11726530	2627.795	ug/l	87
92) 1,2-Dibromo-3-Chloropr...	14.337	75	44031	95.281	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.007	180	525153	197.383	ug/l #	88
94) Hexachlorobutadiene	15.111	225	7039	4.546	ug/l	98
95) Naphthalene	15.239	128	4571241	791.876	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	58193	24.540	ug/l #	73

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

Instrument :
MSVOA_Y
ClientSampleId :
SPA-3WC-23-04

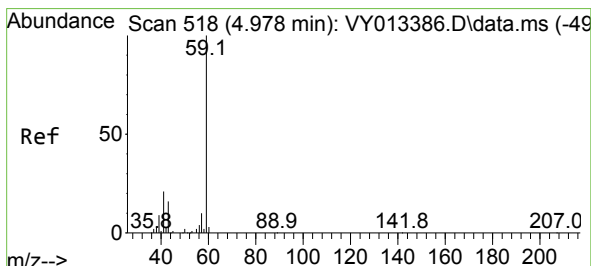
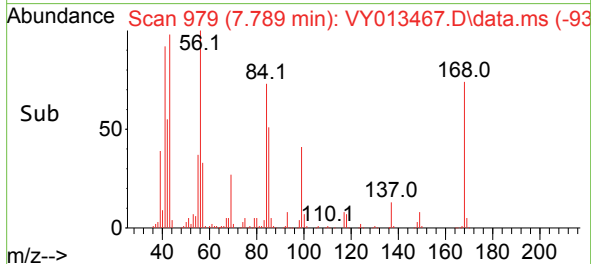
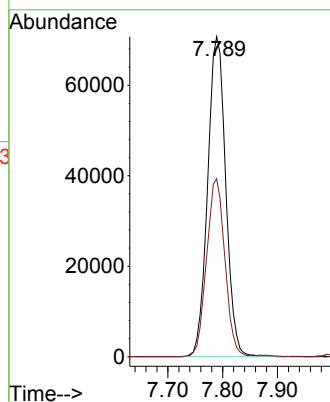
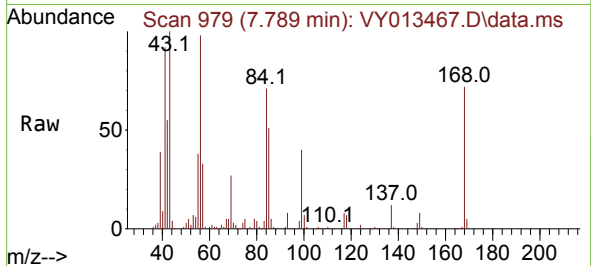
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#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
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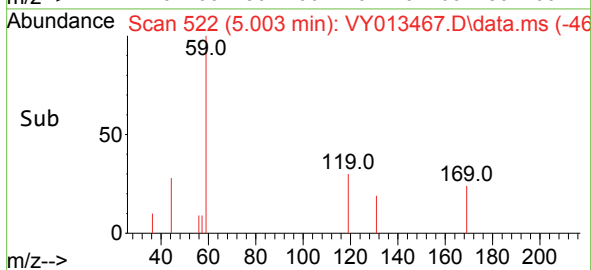
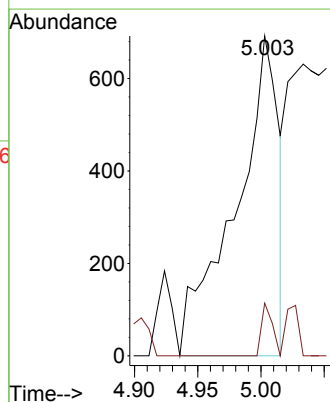
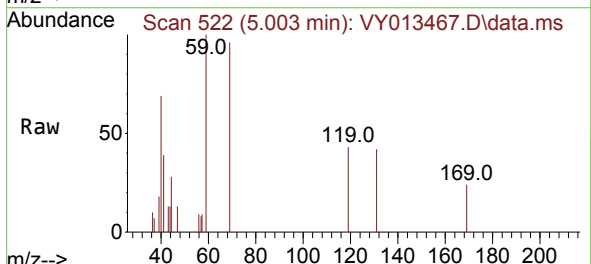
Instrument :
MSVOA_Y
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SPA-3WC-23-04

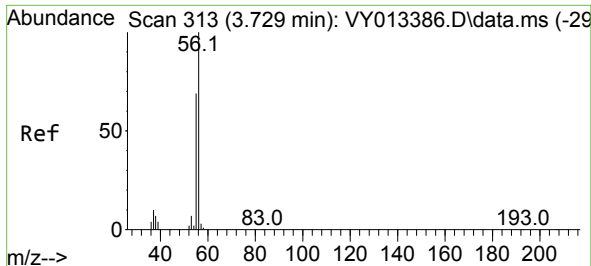
Tgt Ion:168 Resp: 161647
Ion Ratio Lower Upper
168 100
99 55.6 41.8 62.6



#11
Tert butyl alcohol
Concen: 8.816 ug/l
RT: 5.003 min Scan# 522
Delta R.T. 0.025 min
Lab File: VY013467.D
Acq: 26 Apr 2023 12:46

Tgt Ion: 59 Resp: 1634
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

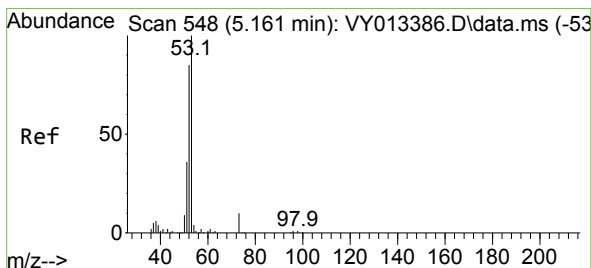
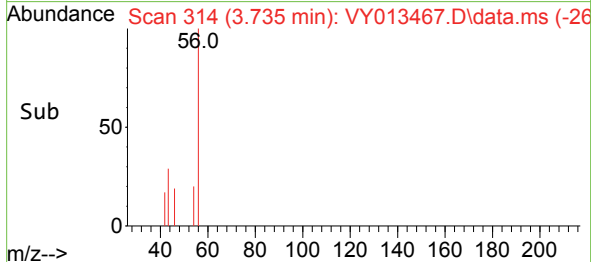
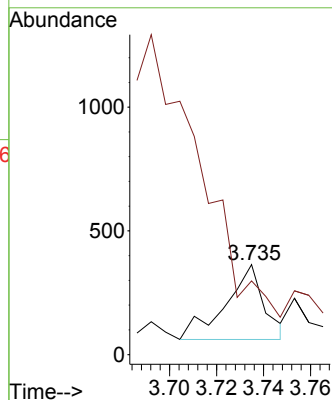
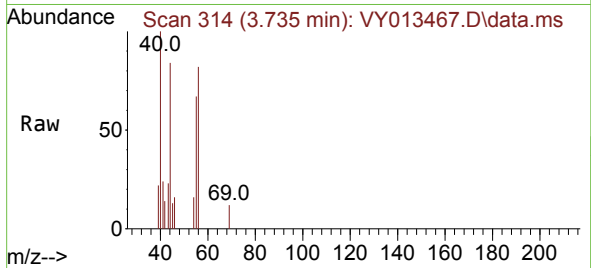




#13
Acrolein
Concen: Below Cal
RT: 3.735 min Scan# 313
Delta R.T. 0.006 min
Lab File: VY013467.D
Acq: 26 Apr 2023 12:46

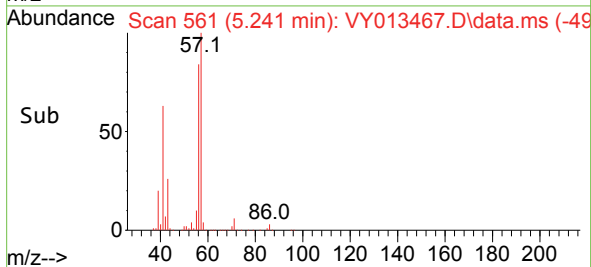
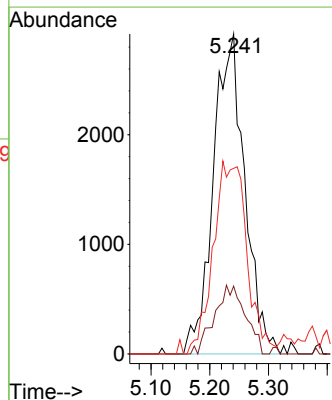
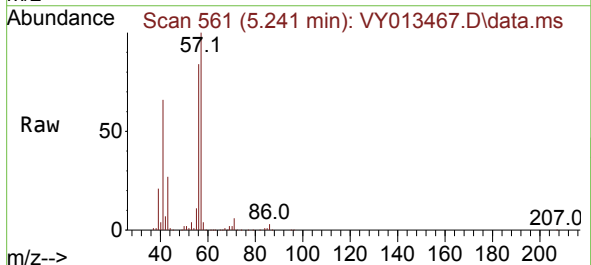
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MSVOA_Y
ClientSampleId :
SPA-3WC-23-04

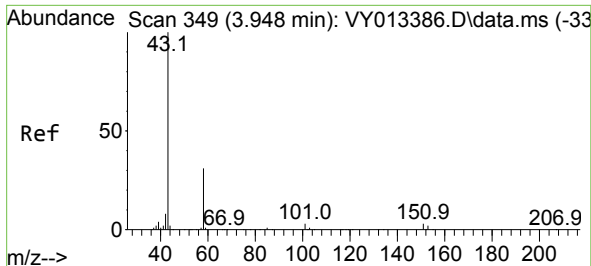
Tgt Ion: 56 Resp: 348
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



#15
Acrylonitrile
Concen: 18.288 ug/l
RT: 5.241 min Scan# 561
Delta R.T. 0.080 min
Lab File: VY013467.D
Acq: 26 Apr 2023 12:46

Tgt Ion: 53 Resp: 10837
Ion Ratio Lower Upper
53 100
52 21.1 65.4 98.0#
51 64.1 29.3 43.9#





#16

Acetone

Concen: 166.938 ug/l

RT: 3.979 min Scan# 3

Delta R.T. 0.031 min

Lab File: VY013467.D

Acq: 26 Apr 2023 12:46

Instrument :

MSVOA_Y

ClientSampleId :

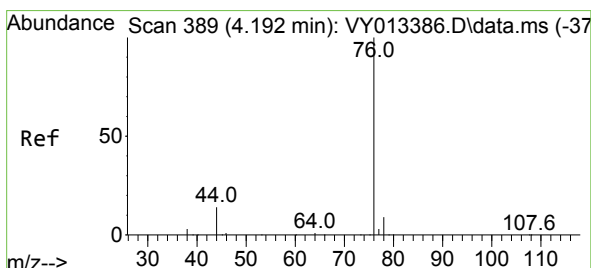
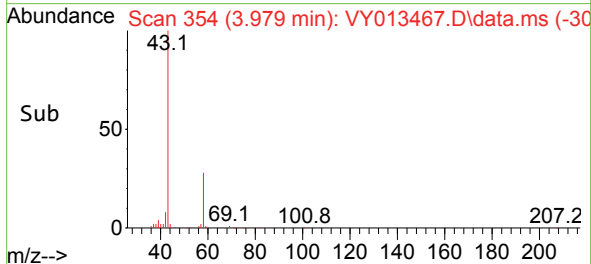
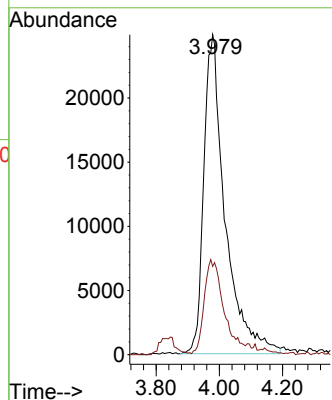
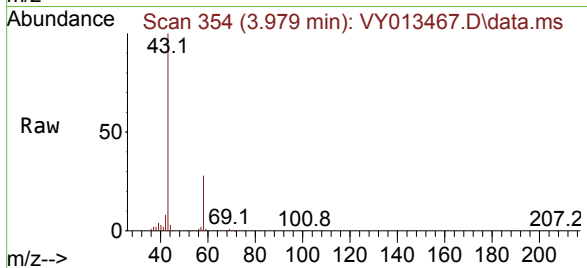
SPA-3WC-23-04

Tgt Ion: 43 Resp: 116495

Ion Ratio Lower Upper

43 100

58 27.1 25.4 38.0



#17

Carbon Disulfide

Concen: 3.224 ug/l

RT: 4.192 min Scan# 389

Delta R.T. 0.000 min

Lab File: VY013467.D

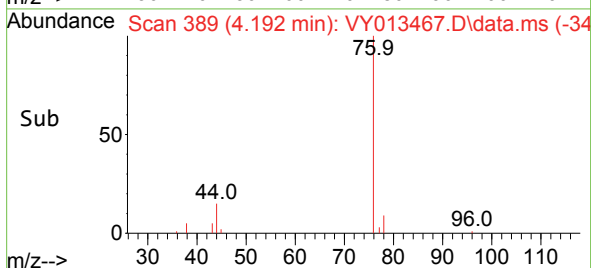
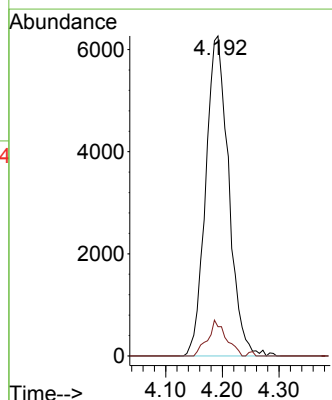
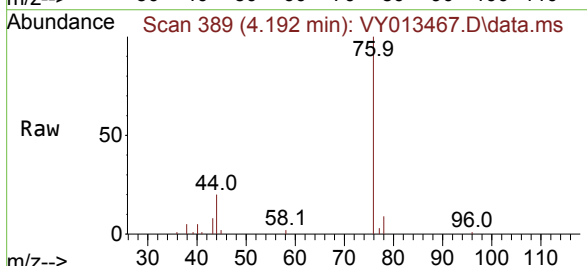
Acq: 26 Apr 2023 12:46

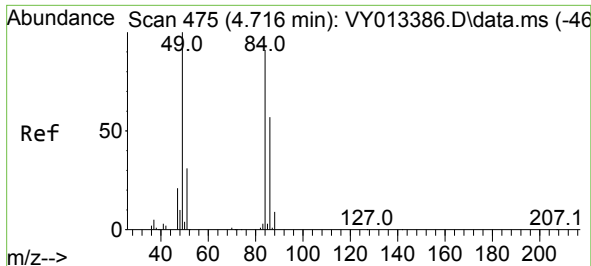
Tgt Ion: 76 Resp: 17591

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

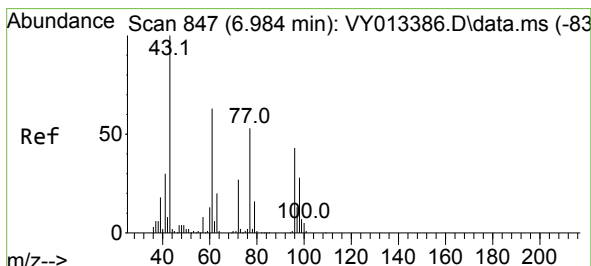
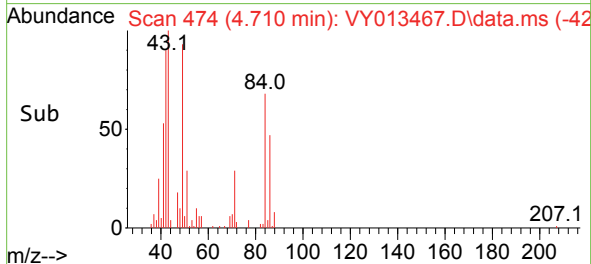
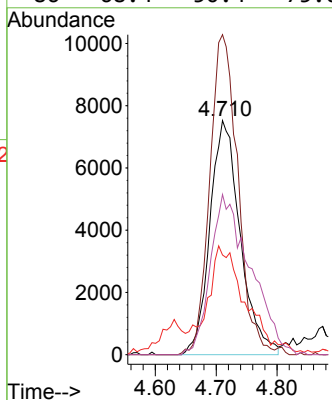
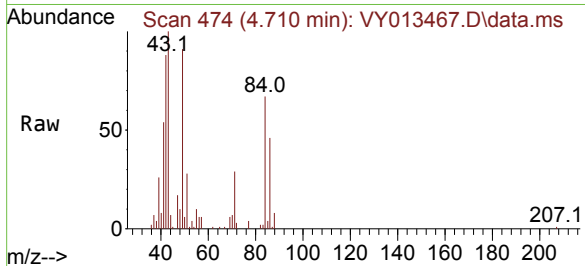




#20
Methylene Chloride
Concen: 4.506 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013467.D
Acq: 26 Apr 2023 12:46

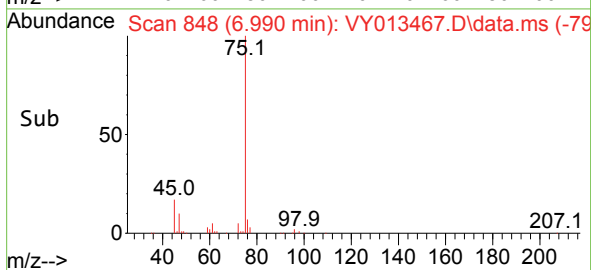
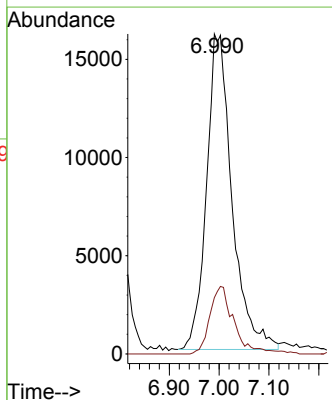
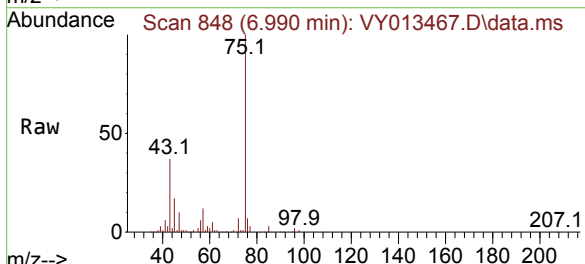
Instrument :
MSVOA_Y
ClientSampleId :
SPA-3WC-23-04

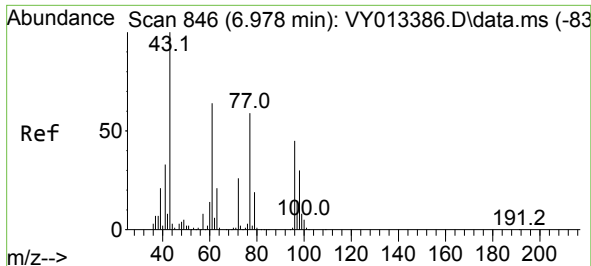
Tgt Ion: 84 Resp: 25942
Ion Ratio Lower Upper
84 100
49 136.7 88.0 132.0#
51 38.3 27.4 41.0
86 68.4 50.4 75.6



#25
2-Butanone
Concen: 64.508 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY013467.D
Acq: 26 Apr 2023 12:46

Tgt Ion: 43 Resp: 57090
Ion Ratio Lower Upper
43 100
72 17.8 21.9 32.9#





#26

2,2-Dichloropropane

Concen: 2.045 ug/l

RT: 6.990 min Scan# 84

Delta R.T. 0.012 min

Lab File: VY013467.D

Acq: 26 Apr 2023 12:46

Instrument :

MSVOA_Y

ClientSampleId :

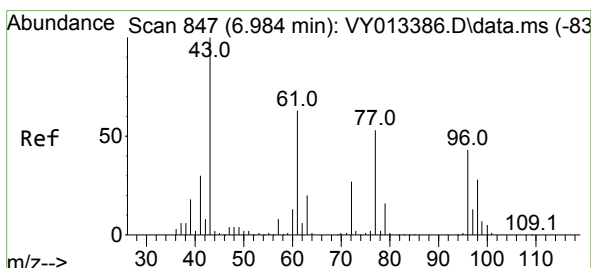
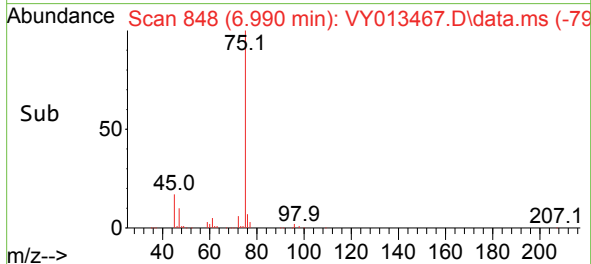
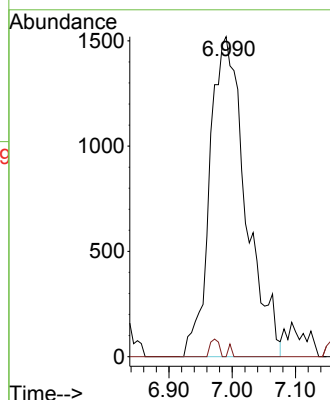
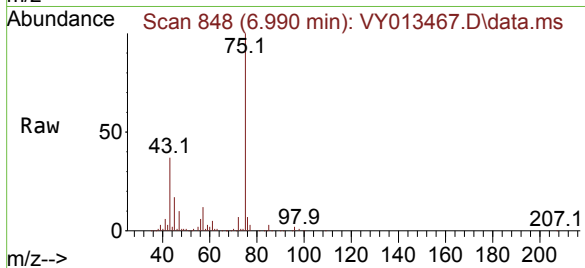
SPA-3WC-23-04

Tgt Ion: 77 Resp: 5984

Ion Ratio Lower Upper

77 100

97 0.4 11.8 35.4#



#27

cis-1,2-Dichloroethene

Concen: 1.579 ug/l

RT: 6.996 min Scan# 849

Delta R.T. 0.012 min

Lab File: VY013467.D

Acq: 26 Apr 2023 12:46

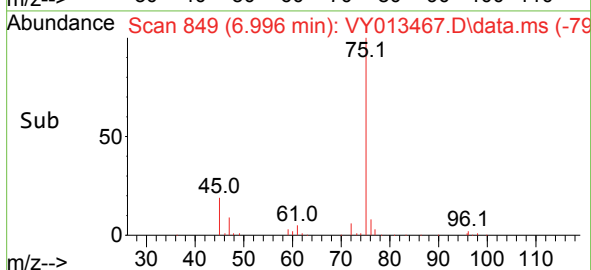
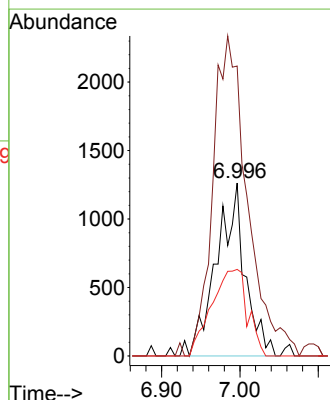
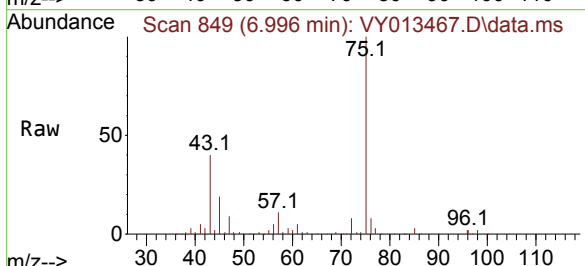
Tgt Ion: 96 Resp: 3204

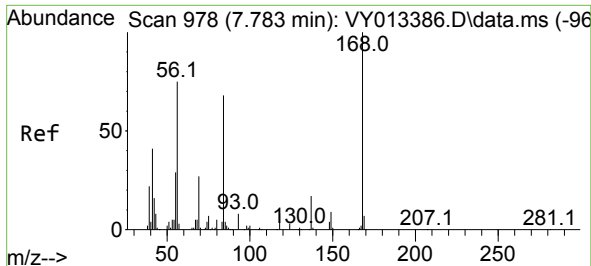
Ion Ratio Lower Upper

96 100

61 223.7 0.0 285.0

98 62.9 0.0 130.6

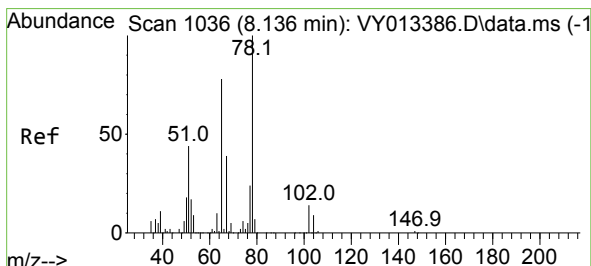
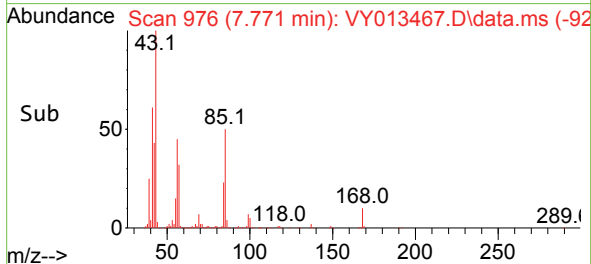
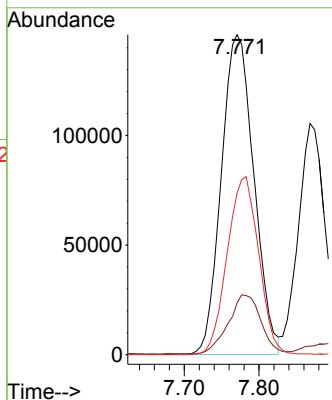
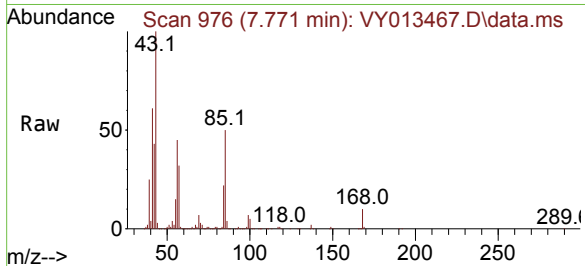




#31
Cyclohexane
Concen: 139.396 ug/l
RT: 7.771 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY013467.D
Acq: 26 Apr 2023 12:46

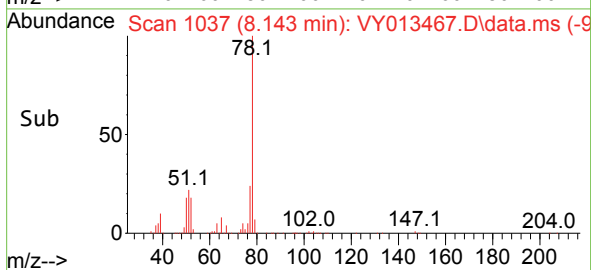
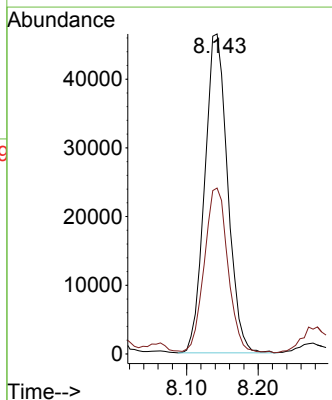
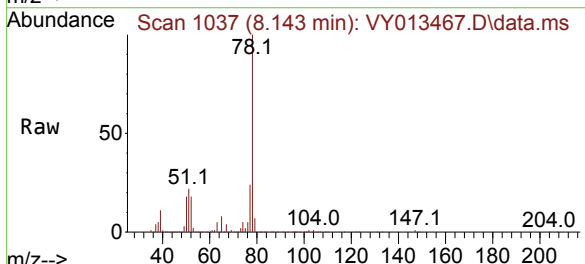
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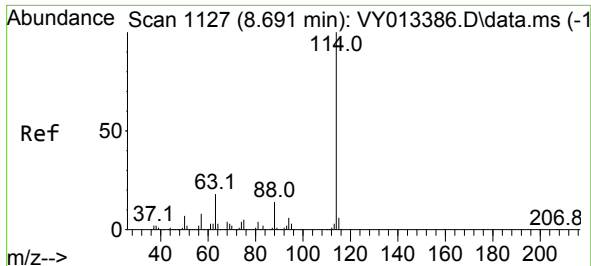
Tgt Ion: 56 Resp: 442253
Ion Ratio Lower Upper
56 100
69 15.9 29.2 43.8#
84 50.5 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 58.266 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY013467.D
Acq: 26 Apr 2023 12:46

Tgt Ion: 65 Resp: 103248
Ion Ratio Lower Upper
65 100
67 53.1 0.0 103.4

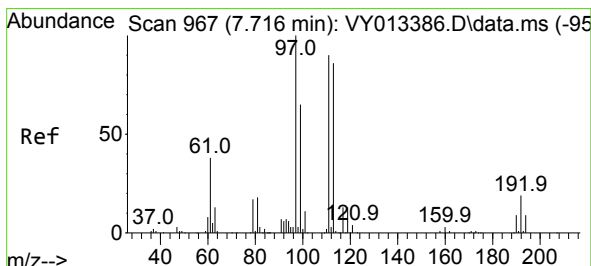
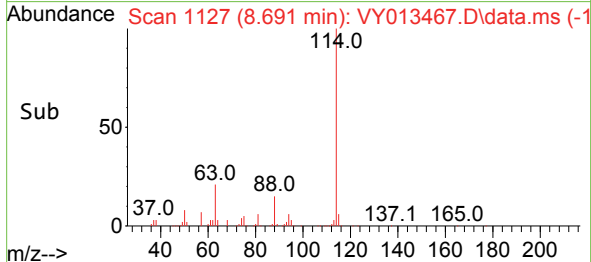
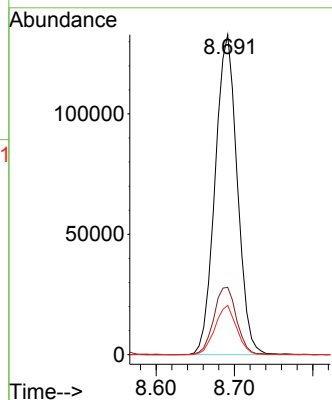
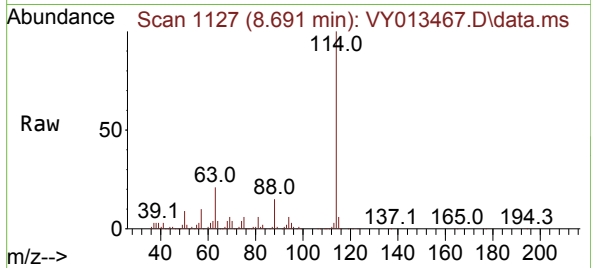




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY013467.D
Acq: 26 Apr 2023 12:46

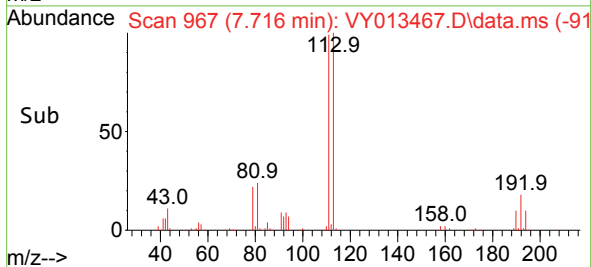
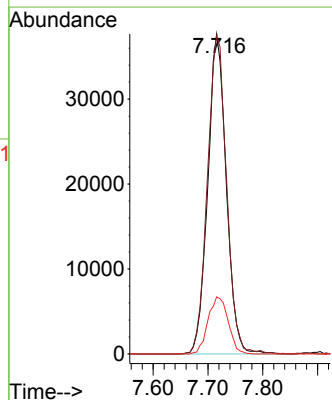
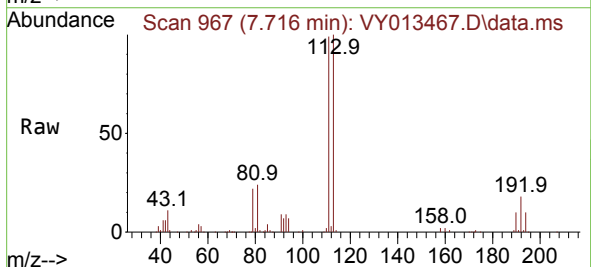
Instrument :
MSVOA_Y
ClientSampleId :
SPA-3WC-23-04

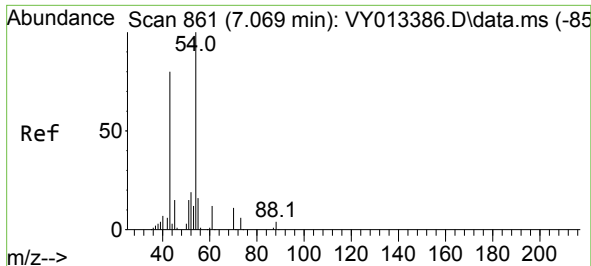
Tgt Ion:114 Resp: 261019
Ion Ratio Lower Upper
114 100
63 21.0 0.0 36.6
88 15.4 0.0 28.8



#35
Dibromofluoromethane
Concen: 53.716 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY013467.D
Acq: 26 Apr 2023 12:46

Tgt Ion:113 Resp: 88185
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.2
192 19.4 16.7 25.1

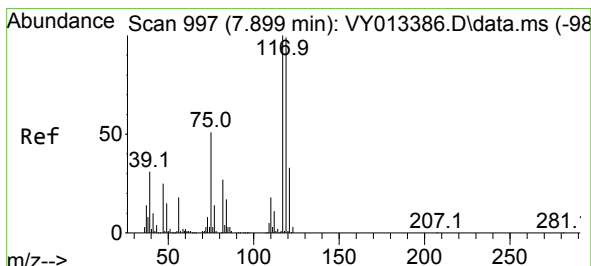
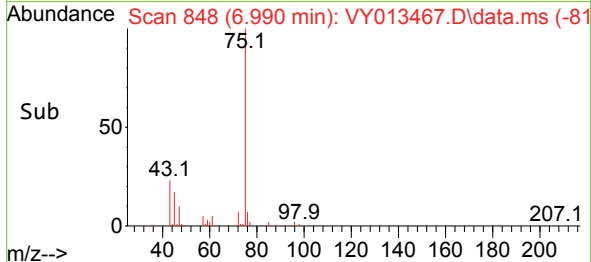
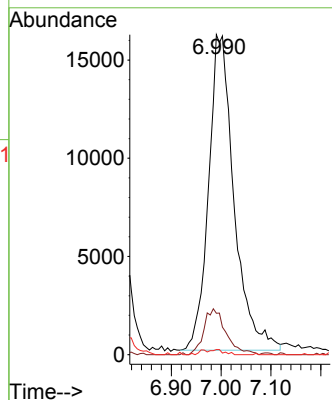
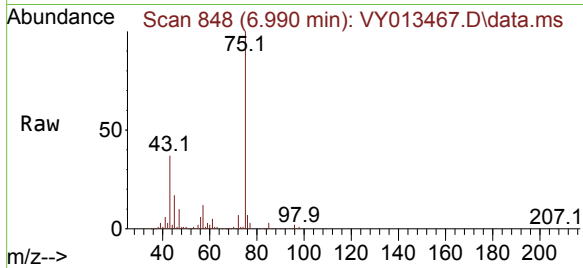




#37
Ethyl Acetate
Concen: 27.844 ug/l
RT: 6.990 min Scan# 84
Delta R.T. -0.079 min
Lab File: VY013467.D
Acq: 26 Apr 2023 12:46

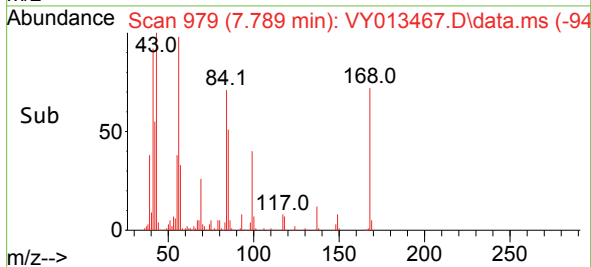
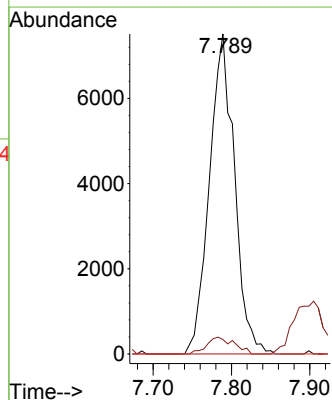
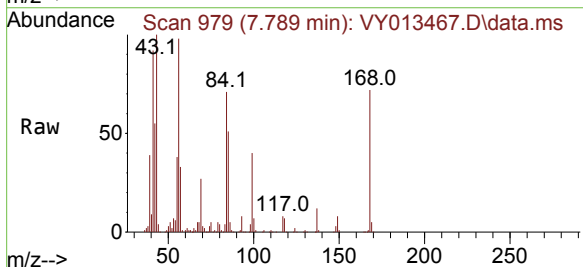
Instrument :
MSVOA_Y
ClientSampleId :
SPA-3WC-23-04

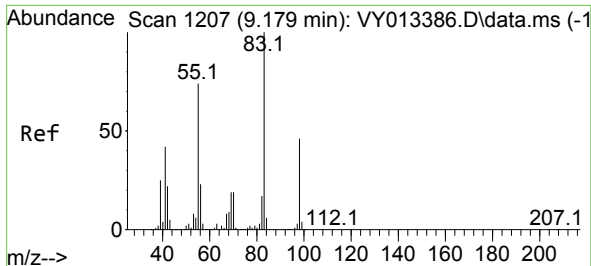
Tgt Ion: 43 Resp: 57090
Ion Ratio Lower Upper
43 100
61 12.6 11.4 17.0
70 0.8 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 5.843 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY013467.D
Acq: 26 Apr 2023 12:46

Tgt Ion: 117 Resp: 16685
Ion Ratio Lower Upper
117 100
119 4.5 79.0 118.6#
121 0.0 26.6 40.0#





#39

Methylcyclohexane

Concen: 532.844 ug/l

RT: 9.185 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY013467.D

Acq: 26 Apr 2023 12:46

Instrument :

MSVOA_Y

ClientSampleId :

SPA-3WC-23-04

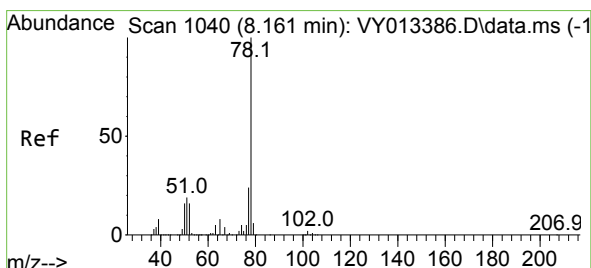
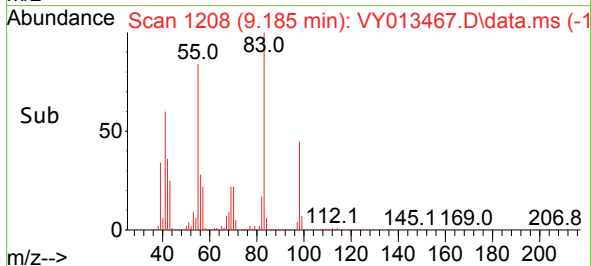
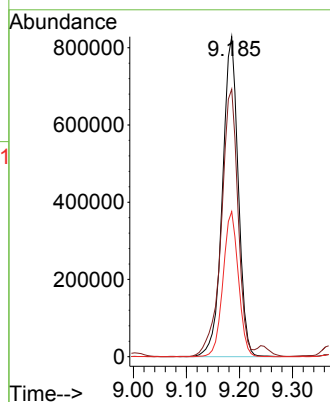
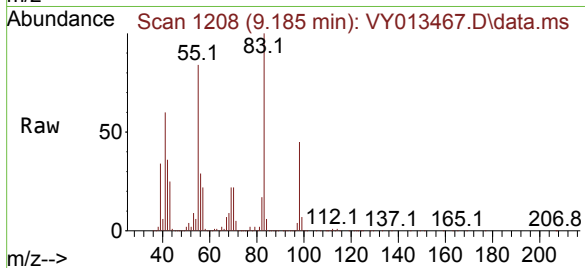
Tgt Ion: 83 Resp: 1711518

Ion Ratio Lower Upper

83 100

55 83.5 59.0 88.4

98 45.3 37.0 55.4



#40

Benzene

Concen: 347.198 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY013467.D

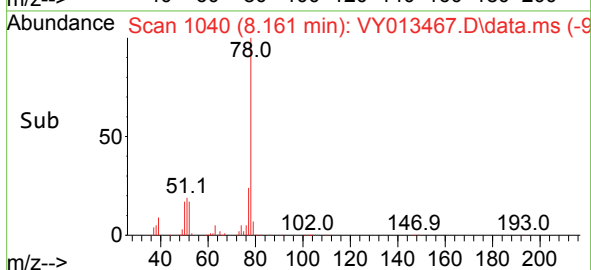
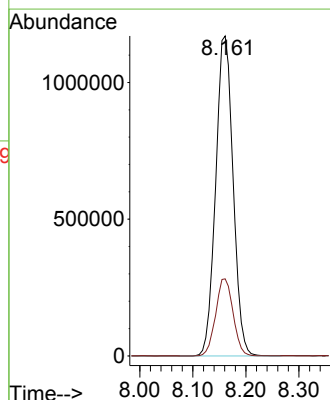
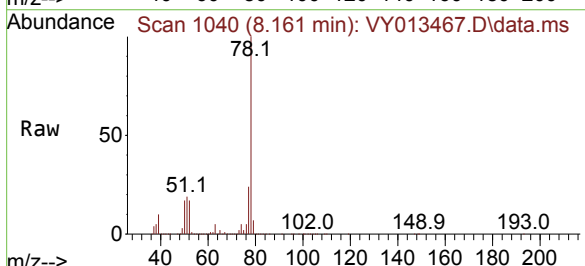
Acq: 26 Apr 2023 12:46

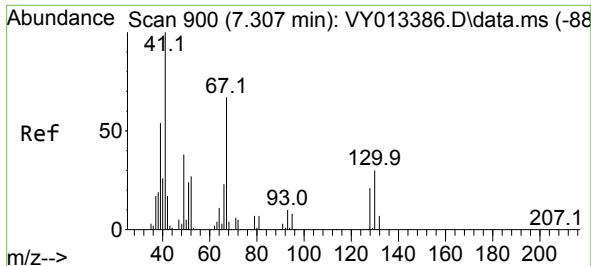
Tgt Ion: 78 Resp: 2664711

Ion Ratio Lower Upper

78 100

77 24.1 19.2 28.8

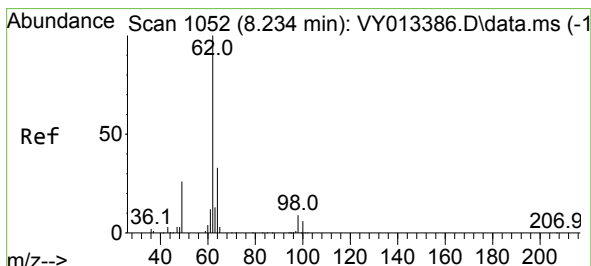
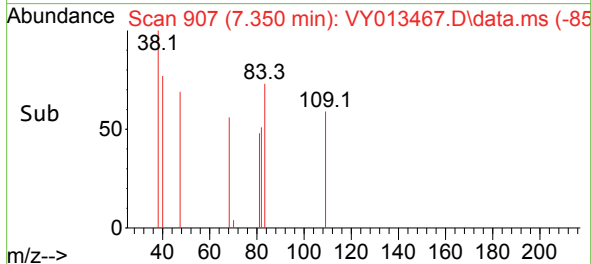
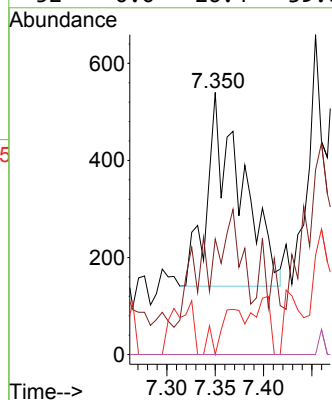
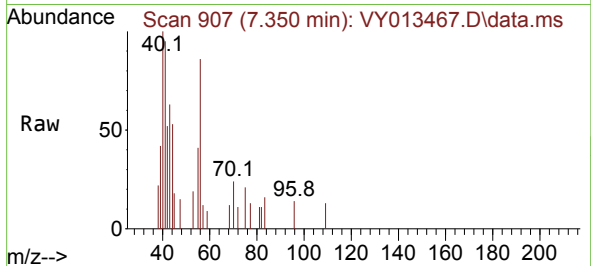




#41
Methacrylonitrile
Concen: 1.039 ug/l
RT: 7.350 min Scan# 90
Delta R.T. 0.043 min
Lab File: VY013467.D
Acq: 26 Apr 2023 12:46

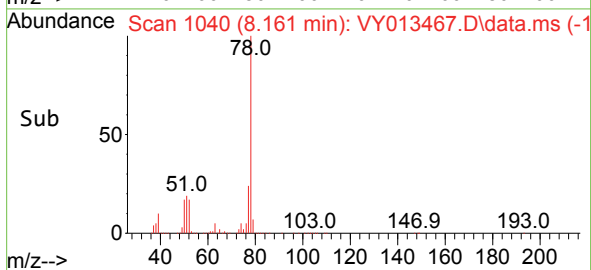
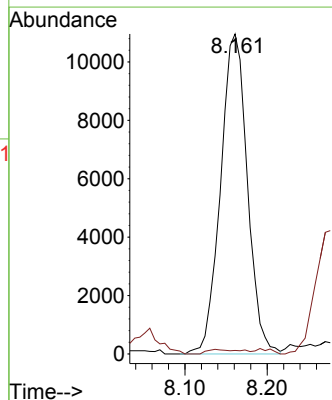
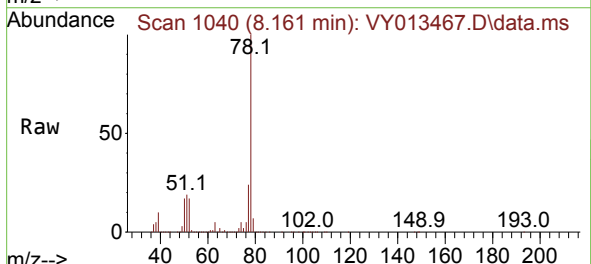
Instrument :
MSVOA_Y
ClientSampleId :
SPA-3WC-23-04

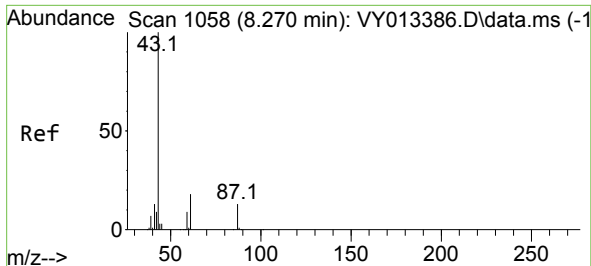
Tgt Ion: 41	Resp: 993
Ion Ratio	Lower Upper
41 100	
39 0.0	44.2 66.4#
67 16.5	62.9 94.3#
52 0.0	26.4 39.6#



#42
1,2-Dichloroethane
Concen: 9.919 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. -0.073 min
Lab File: VY013467.D
Acq: 26 Apr 2023 12:46

Tgt Ion: 62	Resp: 24888
Ion Ratio	Lower Upper
62 100	
98 0.0	0.0 17.8

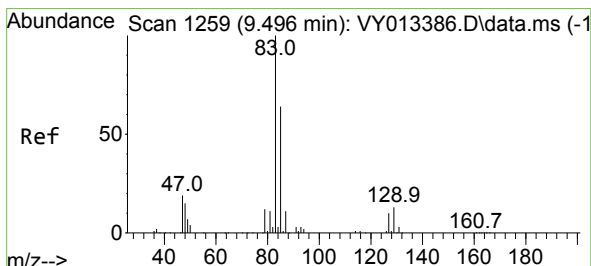
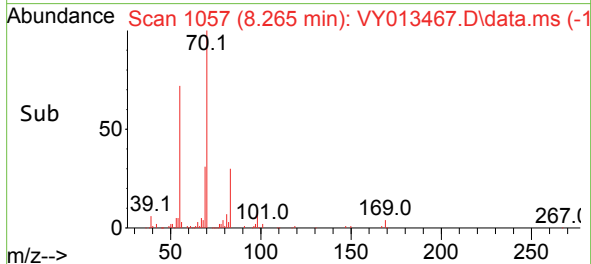
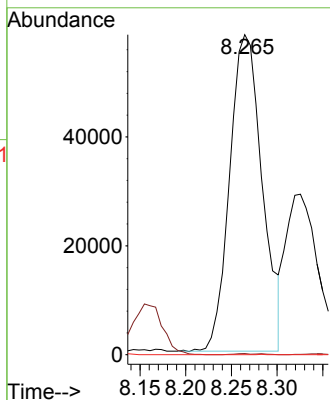
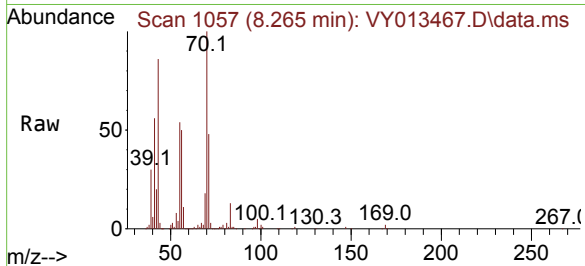




#43
Isopropyl Acetate
Concen: 41.651 ug/l
RT: 8.265 min Scan# 1057
Delta R.T. -0.005 min
Lab File: VY013467.D
Acq: 26 Apr 2023 12:46

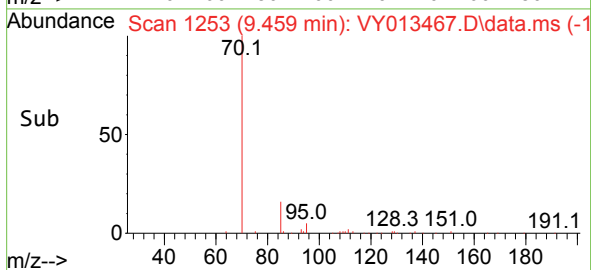
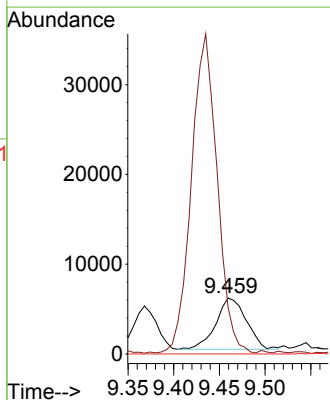
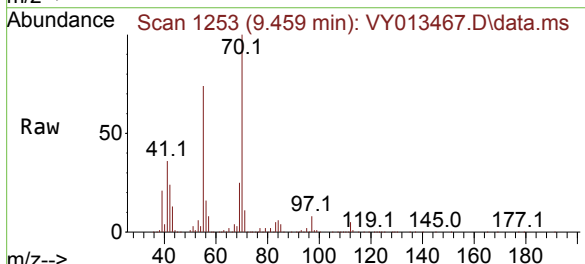
Instrument :
MSVOA_Y
ClientSampleId :
SPA-3WC-23-04

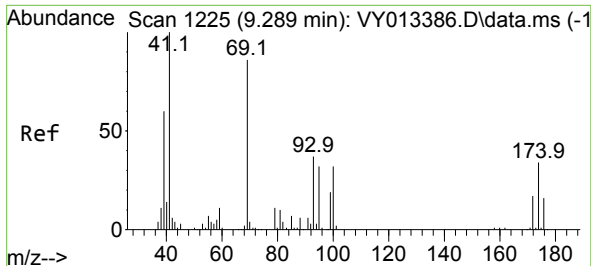
Tgt Ion: 43 Resp: 144146
Ion Ratio Lower Upper
43 100
61 0.0 22.2 33.4#
87 0.0 11.0 16.6#



#47
Bromodichloromethane
Concen: 4.963 ug/l
RT: 9.459 min Scan# 1253
Delta R.T. -0.037 min
Lab File: VY013467.D
Acq: 26 Apr 2023 12:46

Tgt Ion: 83 Resp: 13335
Ion Ratio Lower Upper
83 100
85 84.8 51.4 77.2#
127 0.0 8.1 12.1#

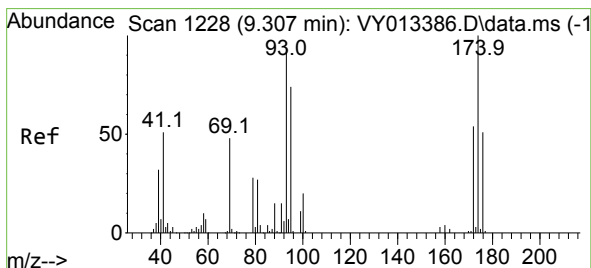
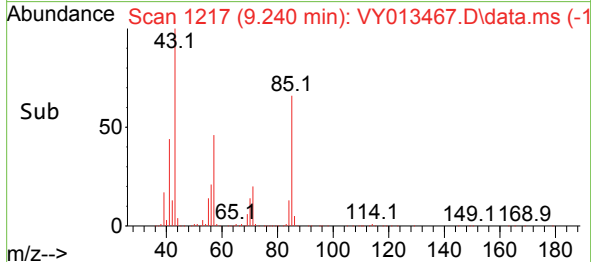
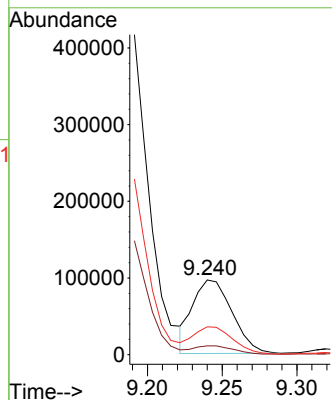
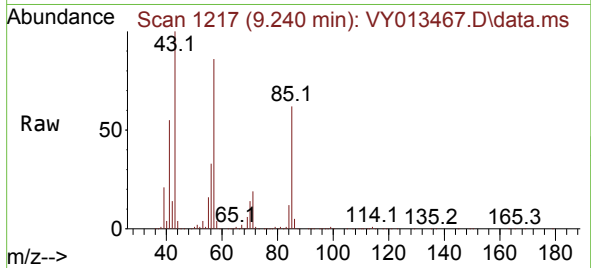




#48
Methyl methacrylate
Concen: 110.676 ug/l
RT: 9.240 min Scan# 11
Delta R.T. -0.049 min
Lab File: VY013467.D
Acq: 26 Apr 2023 12:46

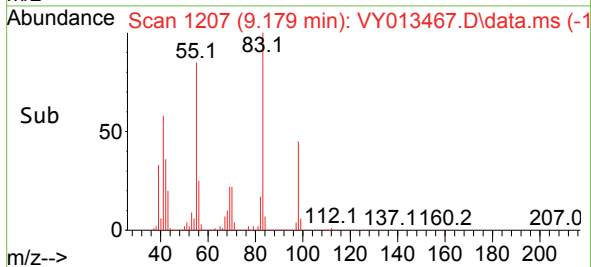
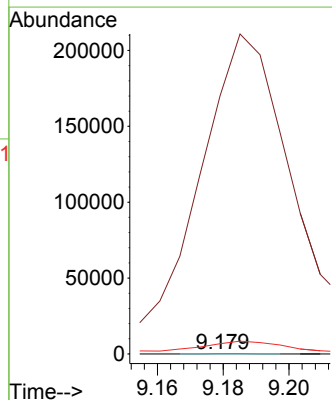
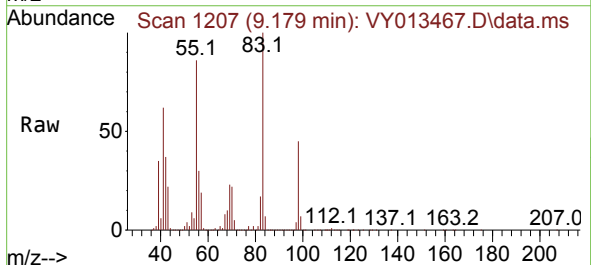
Instrument :
MSVOA_Y
ClientSampleId :
SPA-3WC-23-04

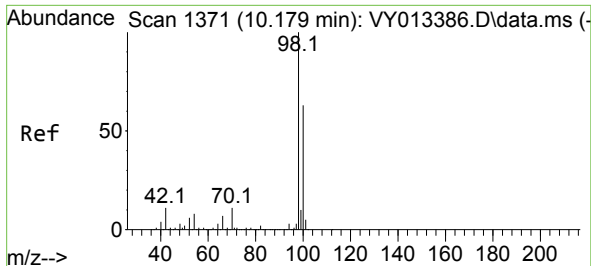
Tgt Ion: 41 Resp: 175912
Ion Ratio Lower Upper
41 100
69 10.7 70.2 105.4#
39 37.6 47.9 71.9#



#49
1,4-Dioxane
Concen: 3.091 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.128 min
Lab File: VY013467.D
Acq: 26 Apr 2023 12:46

Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 819562.3 16.8 25.2#
58 36413.2 54.3 81.5#

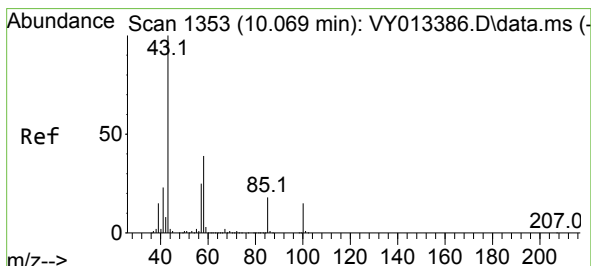
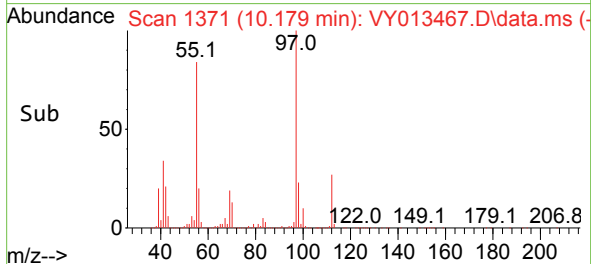
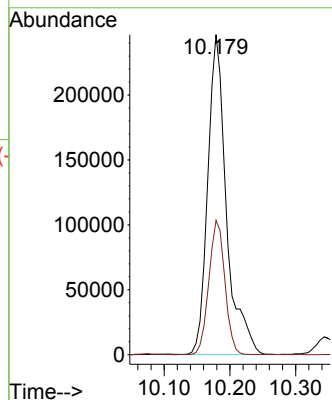
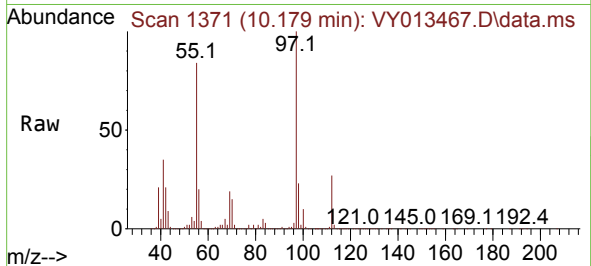




#50
Toluene-d8
Concen: 83.212 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013467.D
Acq: 26 Apr 2023 12:46

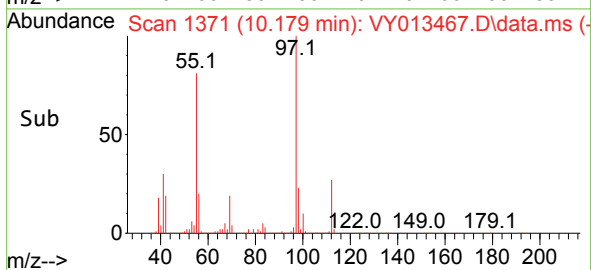
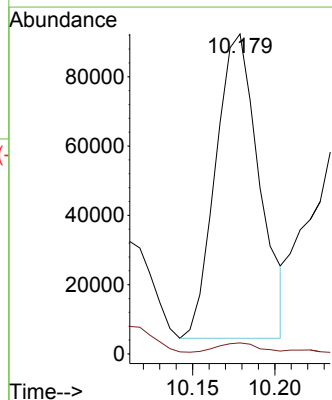
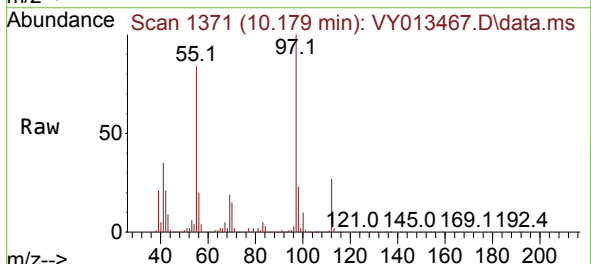
Instrument :
MSVOA_Y
ClientSampleId :
SPA-3WC-23-04

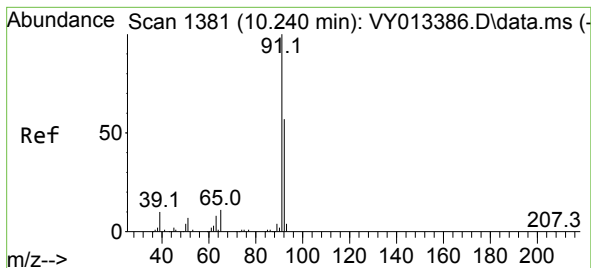
Tgt Ion: 98 Resp: 485974
Ion Ratio Lower Upper
98 100
100 36.1 50.5 75.7#



#51
4-Methyl-2-Pentanone
Concen: 84.220 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.110 min
Lab File: VY013467.D
Acq: 26 Apr 2023 12:46

Tgt Ion: 43 Resp: 162419
Ion Ratio Lower Upper
43 100
58 2.8 30.6 46.0#





#52

Toluene

Concen: 1542.586 ug/l

RT: 10.246 min Scan# 1382

Delta R.T. 0.006 min

Lab File: VY013467.D

Acq: 26 Apr 2023 12:46

Instrument :

MSVOA_Y

ClientSampleId :

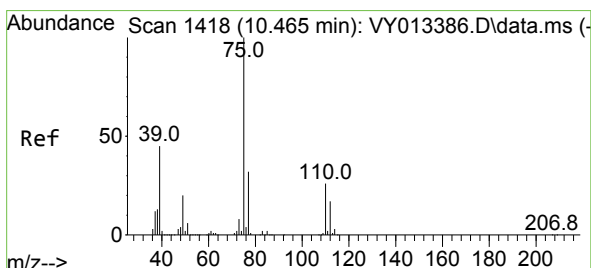
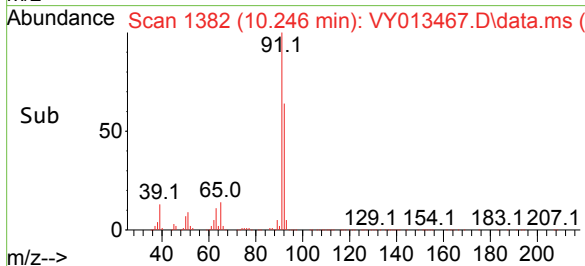
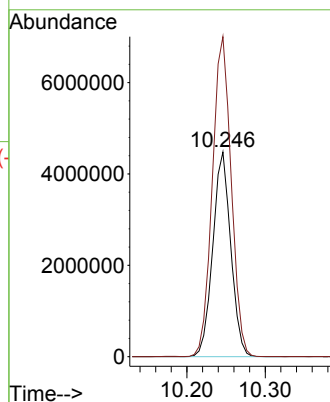
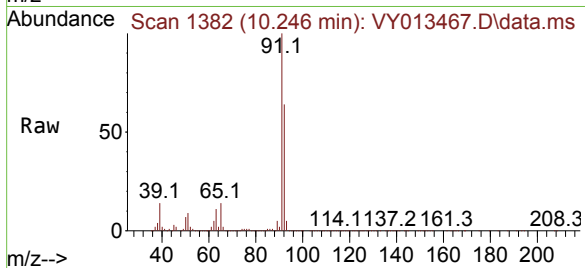
SPA-3WC-23-04

Tgt Ion: 92 Resp: 7124481

Ion Ratio Lower Upper

92 100

91 164.5 140.2 210.4



#53

t-1,3-Dichloropropene

Concen: 33.357 ug/l

RT: 10.246 min Scan# 1382

Delta R.T. -0.219 min

Lab File: VY013467.D

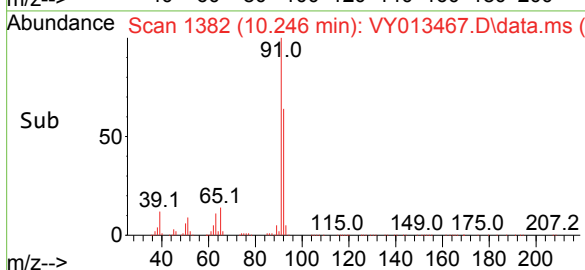
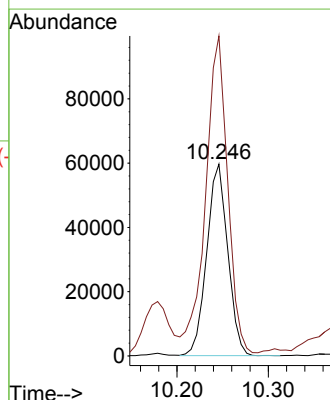
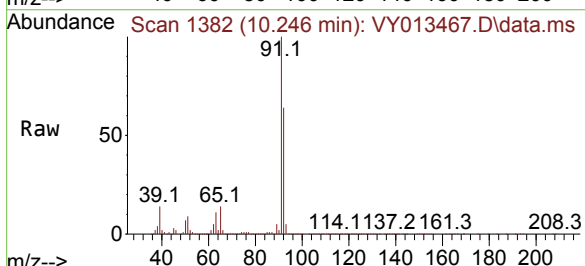
Acq: 26 Apr 2023 12:46

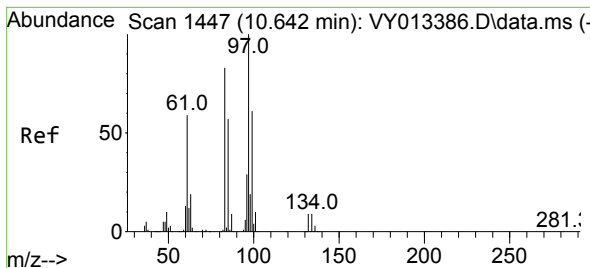
Tgt Ion: 75 Resp: 94849

Ion Ratio Lower Upper

75 100

77 164.1 25.8 38.8#

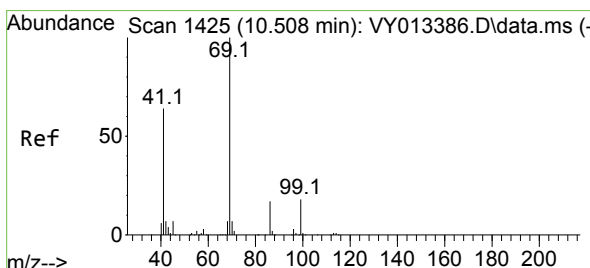
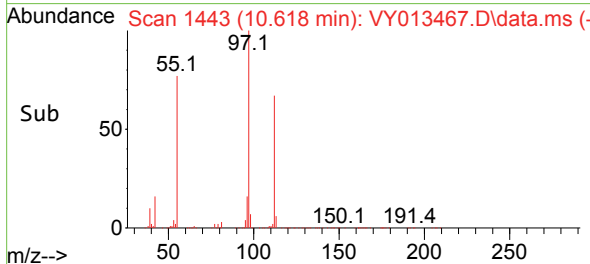
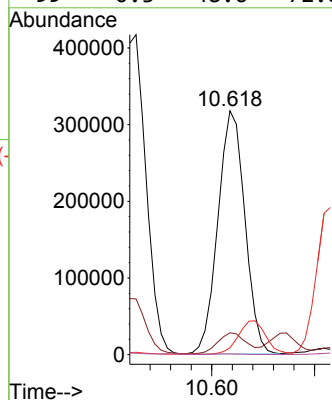
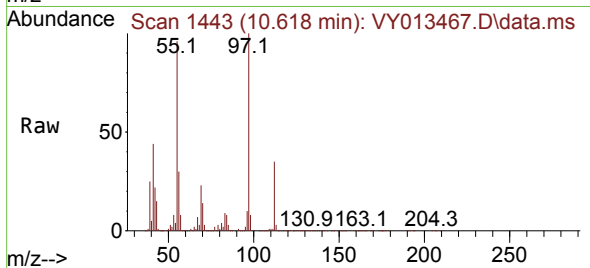




#55
1,1,2-Trichloroethane
Concen: 362.768 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.024 min
Lab File: VY013467.D
Acq: 26 Apr 2023 12:46

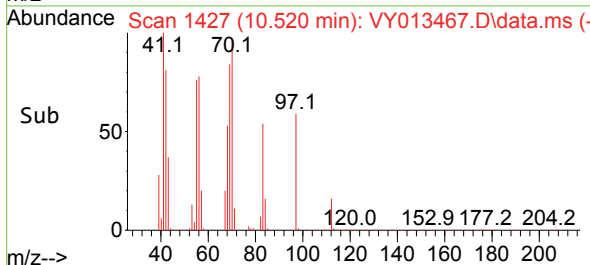
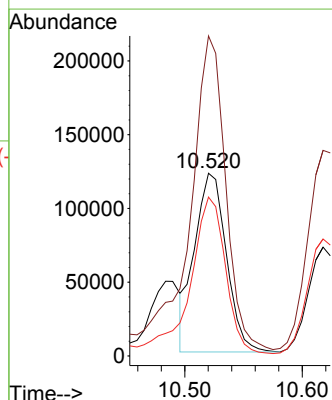
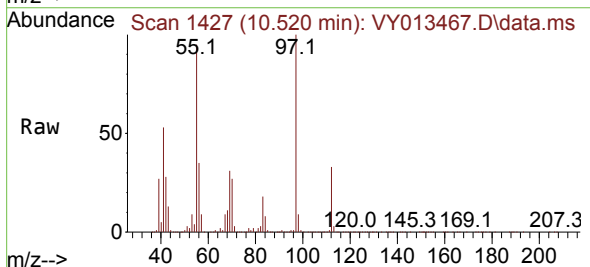
Instrument :
MSVOA_Y
ClientSampleId :
SPA-3WC-23-04

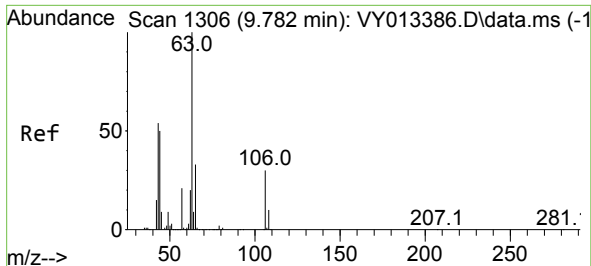
Tgt Ion: 97 Resp: 576827
Ion Ratio Lower Upper
97 100
83 8.5 66.4 99.6#
85 2.6 45.6 68.4#
99 0.3 48.6 72.8#



#56
Ethyl methacrylate
Concen: 103.550 ug/l
RT: 10.520 min Scan# 1427
Delta R.T. 0.012 min
Lab File: VY013467.D
Acq: 26 Apr 2023 12:46

Tgt Ion: 69 Resp: 228430
Ion Ratio Lower Upper
69 100
41 202.8 51.4 77.0#
39 100.5 29.0 43.6#

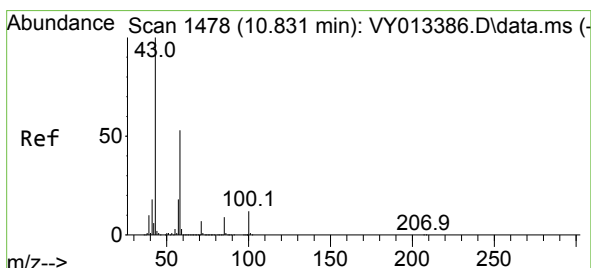
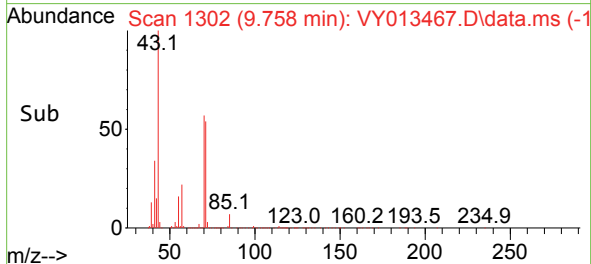
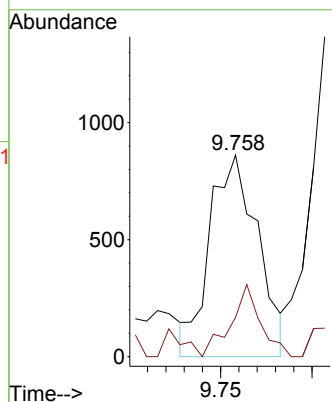
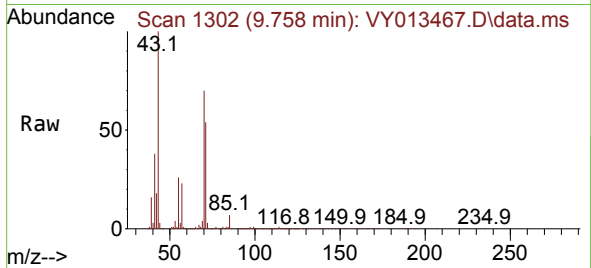




#58
2-Chloroethyl Vinyl ether
Concen: 1.903 ug/l
RT: 9.758 min Scan# 11
Delta R.T. -0.024 min
Lab File: VY013467.D
Acq: 26 Apr 2023 12:46

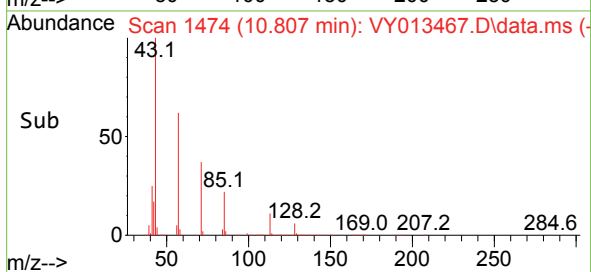
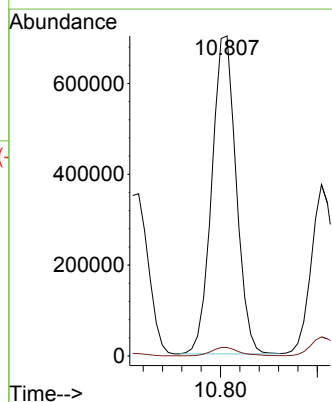
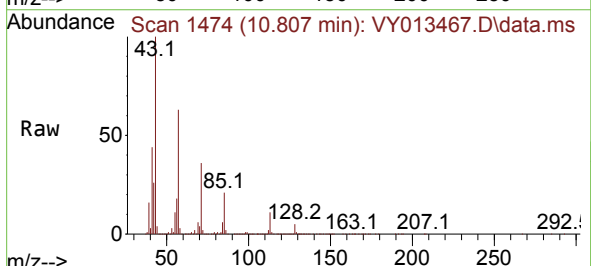
Instrument :
MSVOA_Y
ClientSampleId :
SPA-3WC-23-04

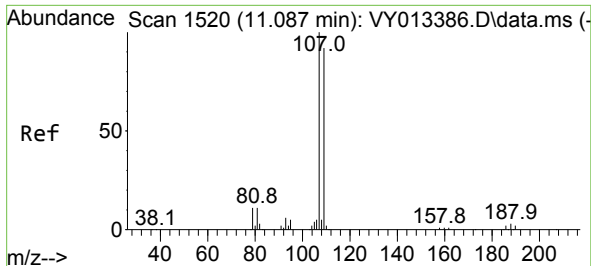
Tgt Ion: 63 Resp: 1574
Ion Ratio Lower Upper
63 100
106 22.0 23.5 35.3#



#59
2-Hexanone
Concen: 873.247 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.024 min
Lab File: VY013467.D
Acq: 26 Apr 2023 12:46

Tgt Ion: 43 Resp: 1224184
Ion Ratio Lower Upper
43 100
58 3.0 26.3 78.8#

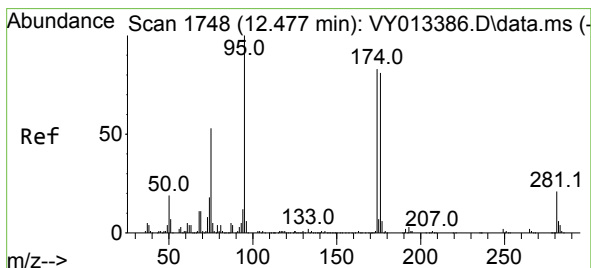
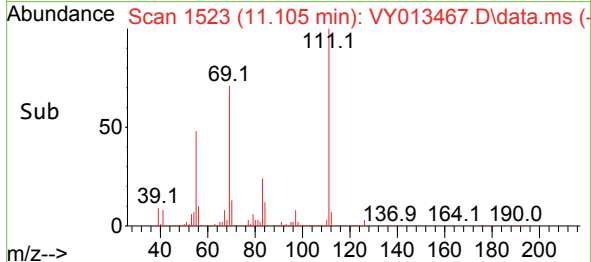
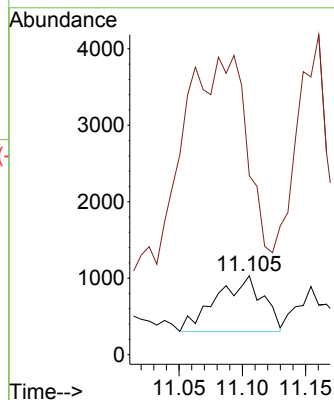
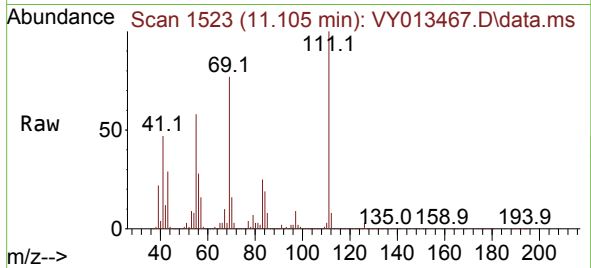




#61
1,2-Dibromoethane
Concen: 1.193 ug/l
RT: 11.105 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY013467.D
Acq: 26 Apr 2023 12:46

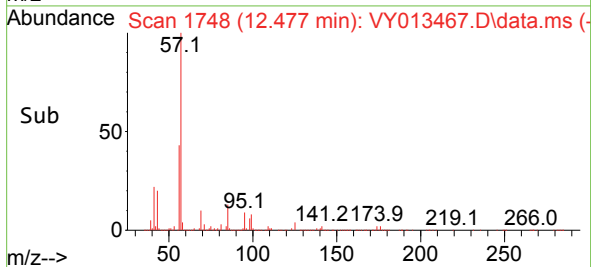
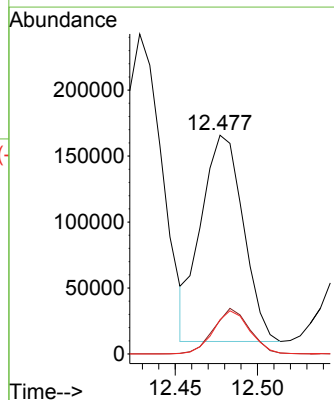
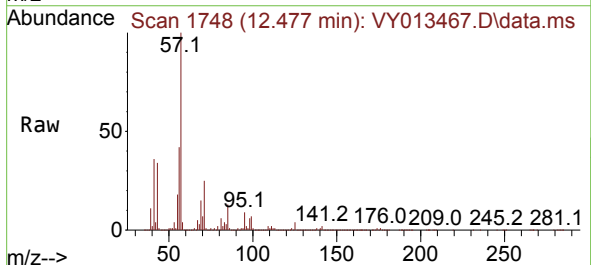
Instrument :
MSVOA_Y
ClientSampleId :
SPA-3WC-23-04

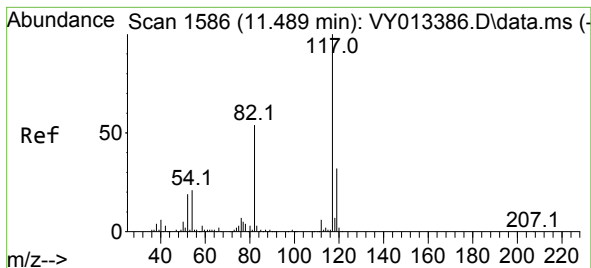
Tgt Ion:107 Resp: 1865
Ion Ratio Lower Upper
107 100
109 0.0 75.6 113.4#



#62
4-Bromofluorobenzene
Concen: 141.812 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013467.D
Acq: 26 Apr 2023 12:46

Tgt Ion: 95 Resp: 279208
Ion Ratio Lower Upper
95 100
174 18.6 0.0 182.0
176 18.2 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY013467.D

Acq: 26 Apr 2023 12:46

Instrument :

MSVOA_Y

ClientSampleId :

SPA-3WC-23-04

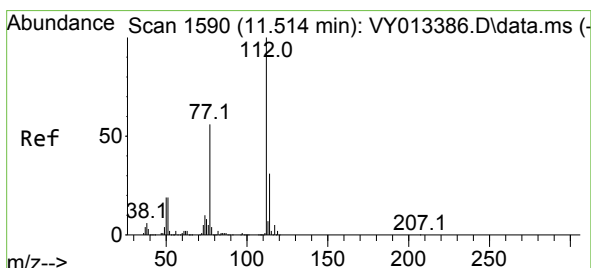
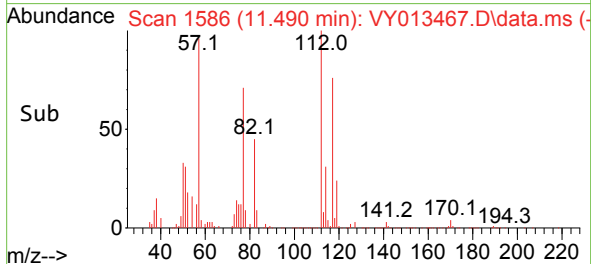
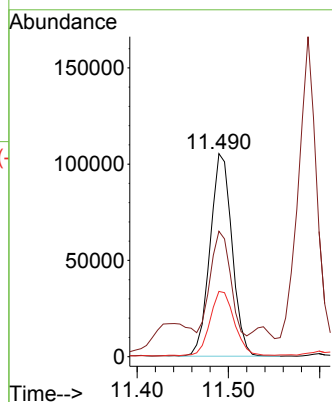
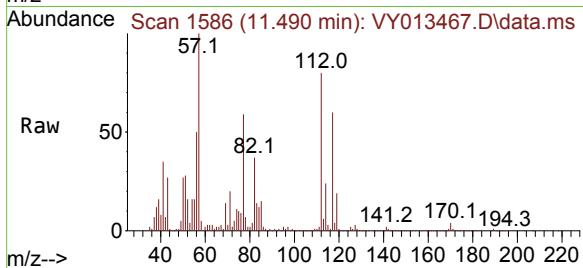
Tgt Ion:117 Resp: 175554

Ion Ratio Lower Upper

117 100

82 52.6 43.0 64.6

119 31.6 25.5 38.3



#65

Chlorobenzene

Concen: 1812.571 ug/l

RT: 11.520 min Scan# 1591

Delta R.T. 0.006 min

Lab File: VY013467.D

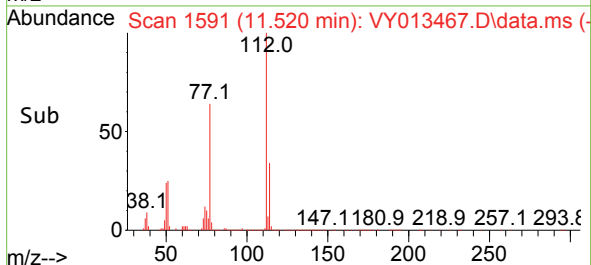
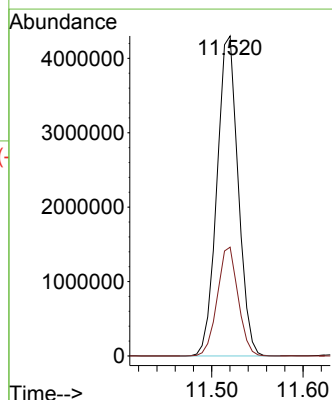
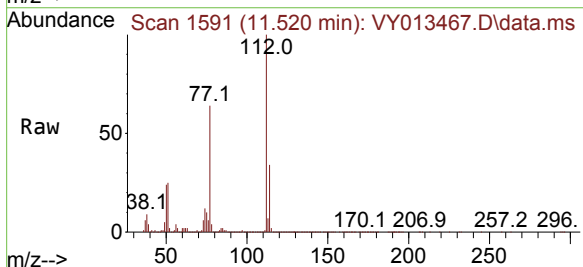
Acq: 26 Apr 2023 12:46

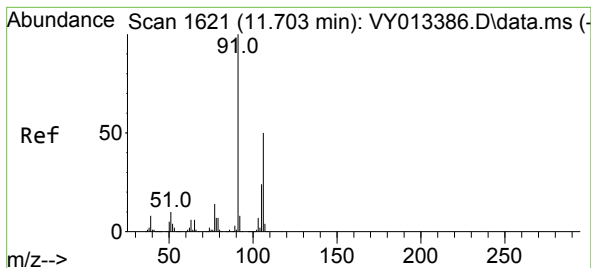
Tgt Ion:112 Resp: 6931704

Ion Ratio Lower Upper

112 100

114 34.0 24.9 37.3

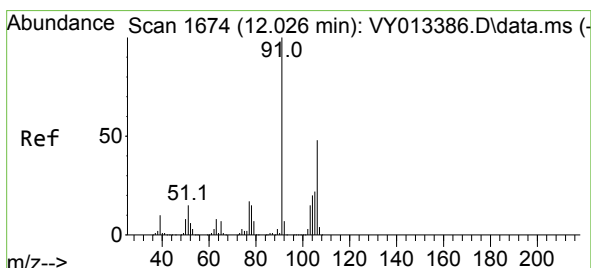
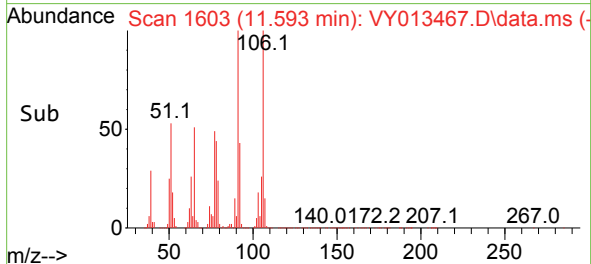
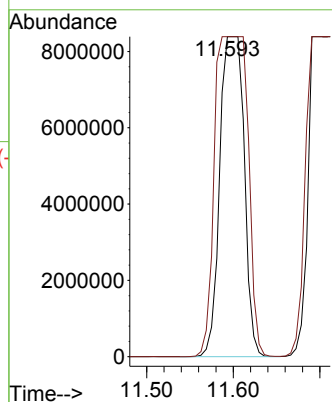
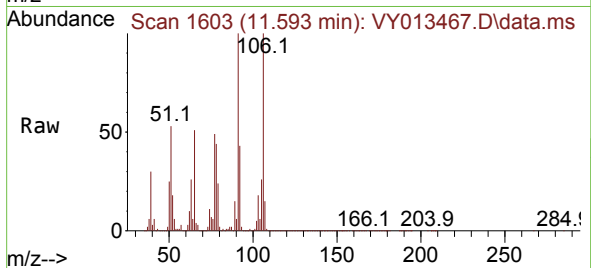




#68
m/p-Xylenes
Concen: 6387.846 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.110 min
Lab File: VY013467.D
Acq: 26 Apr 2023 12:46

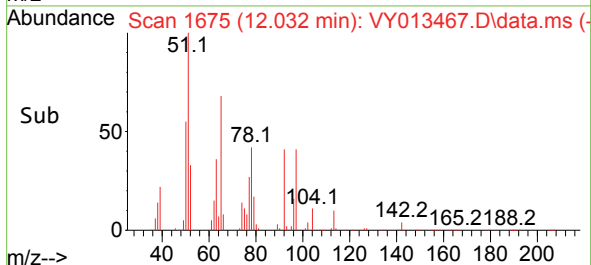
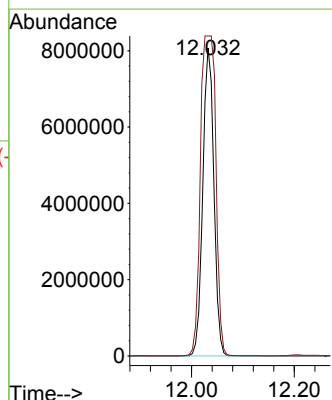
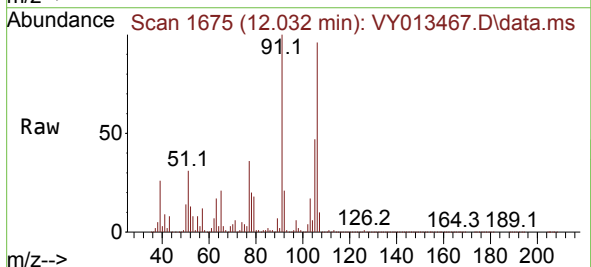
Instrument :
MSVOA_Y
ClientSampleId :
SPA-3WC-23-04

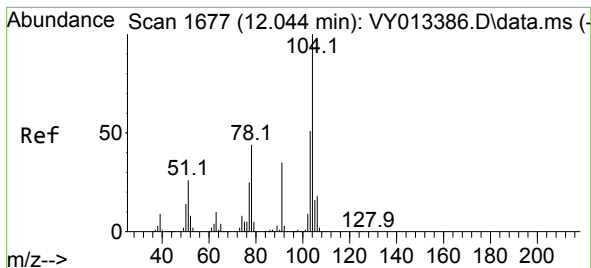
Tgt Ion:106 Resp:16307343
Ion Ratio Lower Upper
106 100
91 0.0 160.9 241.3#



#69
o-Xylene
Concen: 4985.314 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VY013467.D
Acq: 26 Apr 2023 12:46

Tgt Ion:106 Resp:12036399
Ion Ratio Lower Upper
106 100
91 144.6 105.5 316.4





#70

Styrene

Concen: 209.629 ug/l

RT: 12.032 min Scan# 1

Delta R.T. -0.012 min

Lab File: VY013467.D

Acq: 26 Apr 2023 12:46

Instrument :

MSVOA_Y

ClientSampleId :

SPA-3WC-23-04

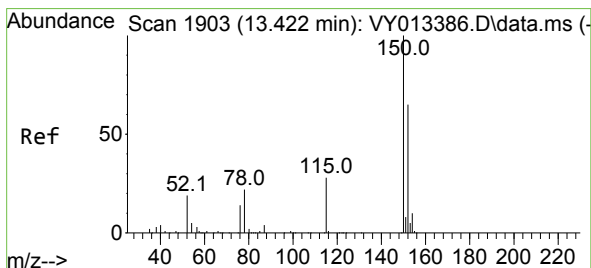
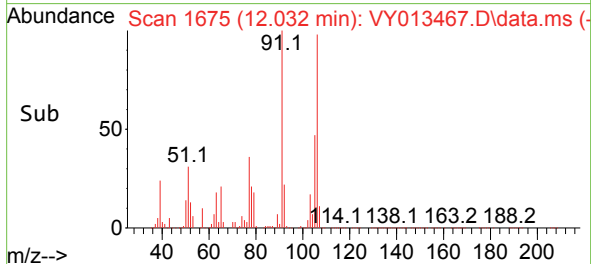
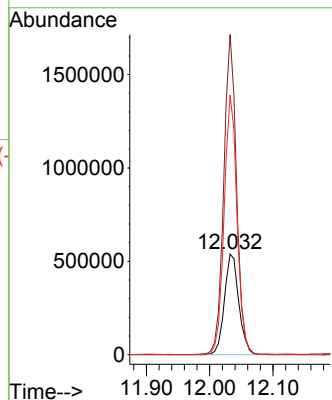
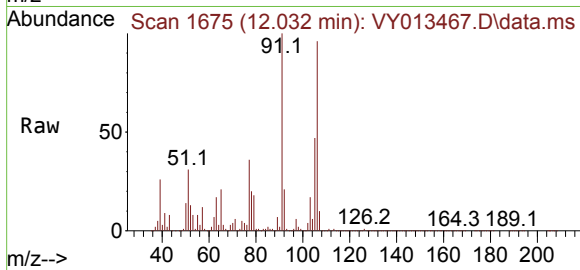
Tgt Ion:104 Resp: 846252

Ion Ratio Lower Upper

104 100

78 281.7 40.3 60.5#

103 232.2 45.0 67.4#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.012 min

Lab File: VY013467.D

Acq: 26 Apr 2023 12:46

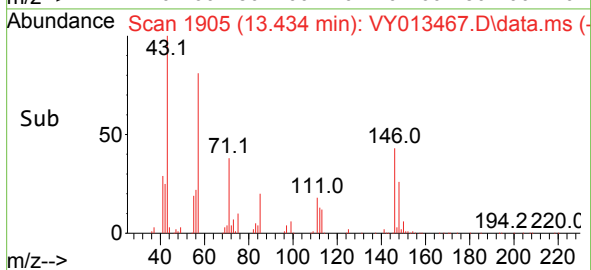
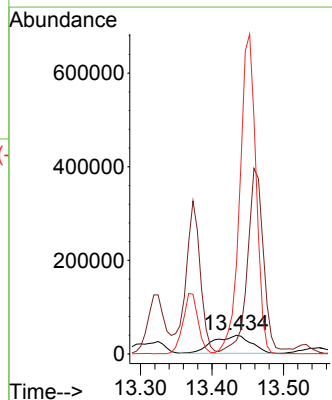
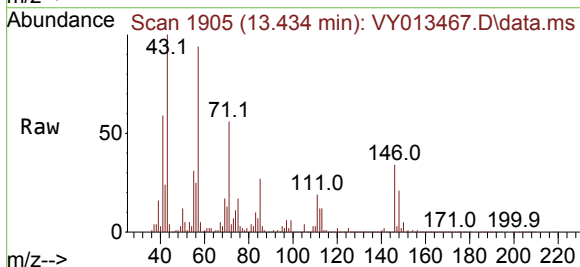
Tgt Ion:152 Resp: 141531

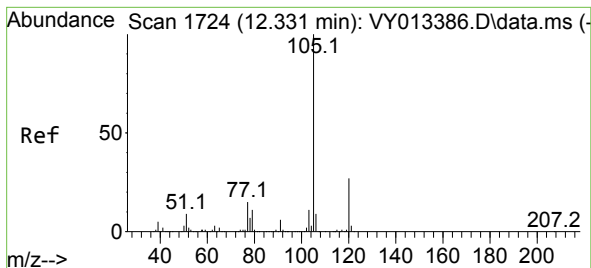
Ion Ratio Lower Upper

152 100

115 0.0 28.1 84.2#

150 0.0 0.0 352.0





#73

Isopropylbenzene

Concen: 325.889 ug/l

RT: 12.331 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY013467.D

Acq: 26 Apr 2023 12:46

Instrument :

MSVOA_Y

ClientSampleId :

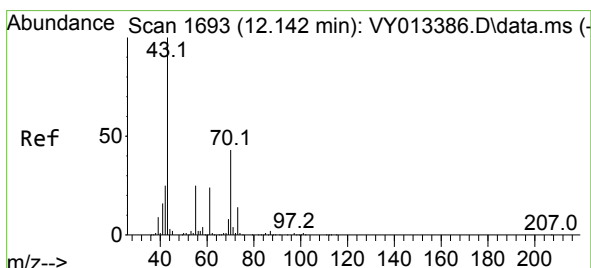
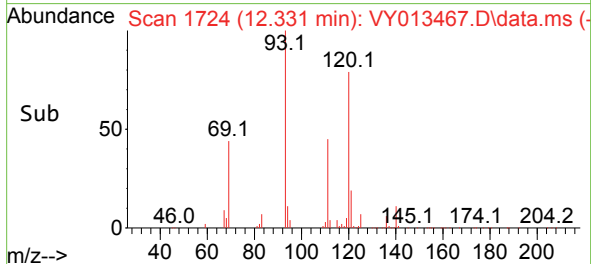
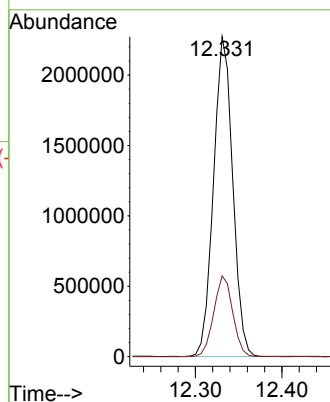
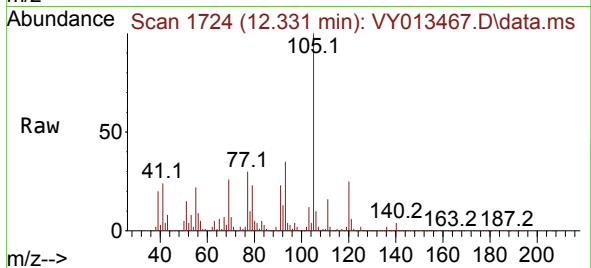
SPA-3WC-23-04

Tgt Ion:105 Resp: 3488611

Ion Ratio Lower Upper

105 100

120 25.0 13.7 41.0



#74

N-ethyl acetate

Concen: 765.380 ug/l

RT: 12.130 min Scan# 1691

Delta R.T. -0.012 min

Lab File: VY013467.D

Acq: 26 Apr 2023 12:46

Tgt Ion: 43 Resp: 2915671

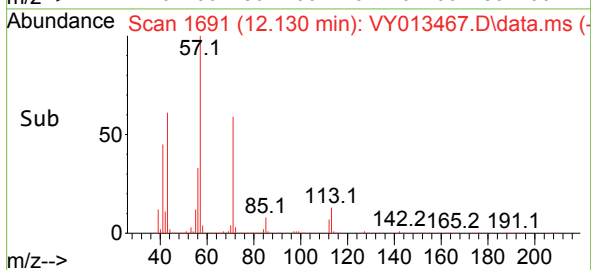
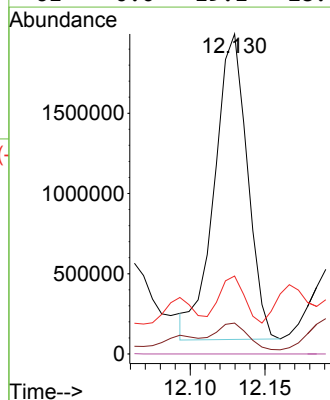
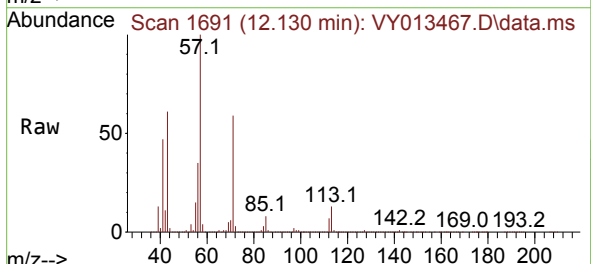
Ion Ratio Lower Upper

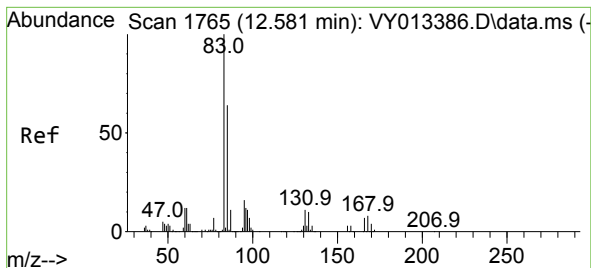
43 100

70 8.8 33.0 49.4#

55 11.3 19.8 29.6#

61 0.0 19.1 28.7#





#75

1,1,2,2-Tetrachloroethane

Concen: 76.270 ug/l

RT: 12.532 min Scan# 1757

Delta R.T. -0.049 min

Lab File: VY013467.D

Acq: 26 Apr 2023 12:46

Instrument :

MSVOA_Y

ClientSampleId :

SPA-3WC-23-04

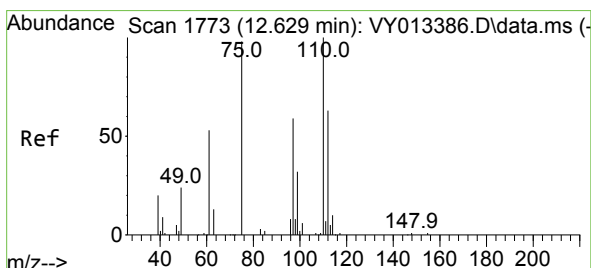
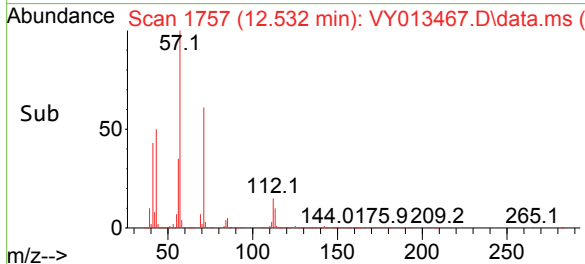
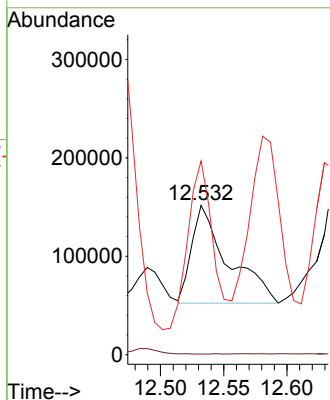
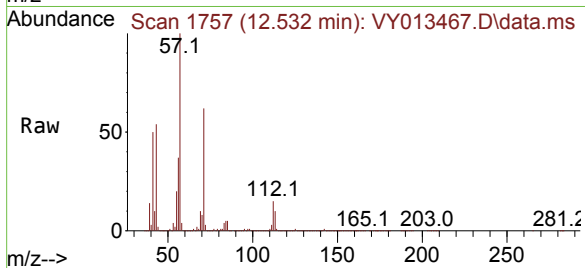
Tgt Ion: 83 Resp: 199565

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.0#

85 139.6 31.8 95.4#



#76

1,2,3-Trichloropropane

Concen: 27.617 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.043 min

Lab File: VY013467.D

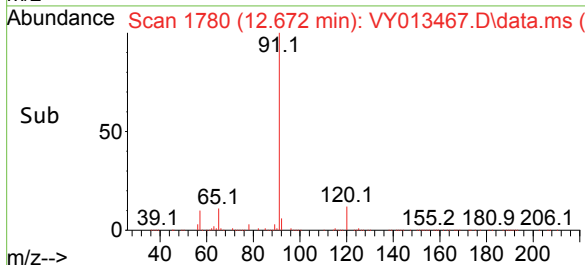
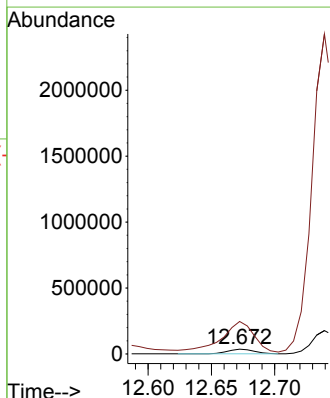
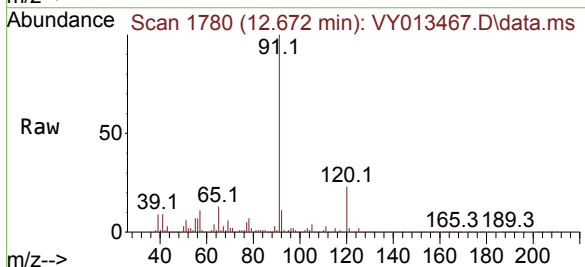
Acq: 26 Apr 2023 12:46

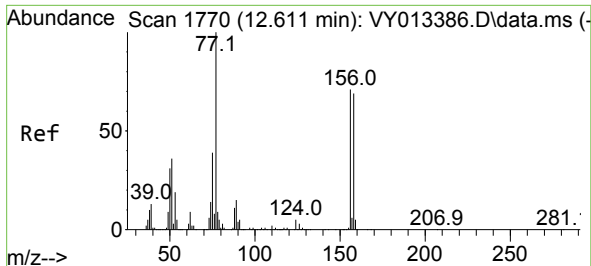
Tgt Ion: 75 Resp: 52713

Ion Ratio Lower Upper

75 100

77 766.7 0.0 0.0#

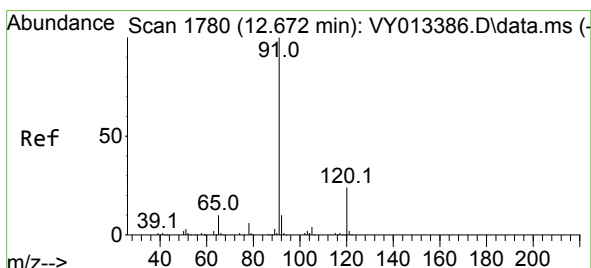
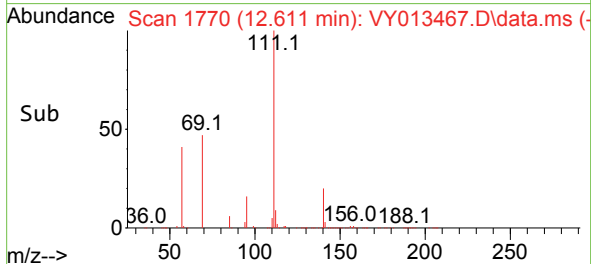
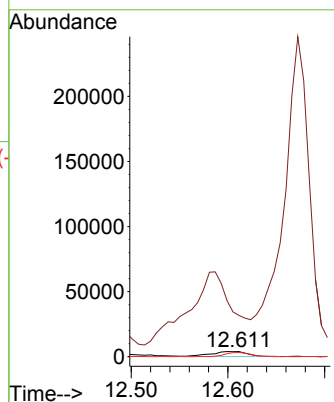
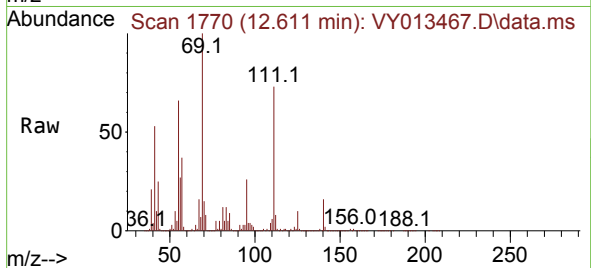




#77
Bromobenzene
Concen: 3.775 ug/l
RT: 12.611 min Scan# 1770
Delta R.T. 0.000 min
Lab File: VY013467.D
Acq: 26 Apr 2023 12:46

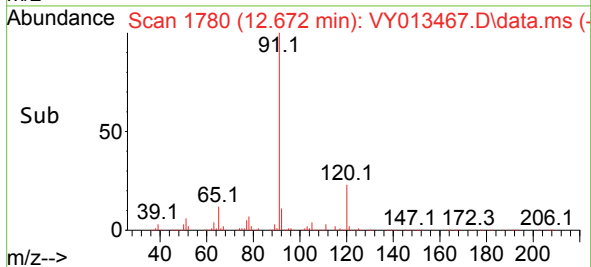
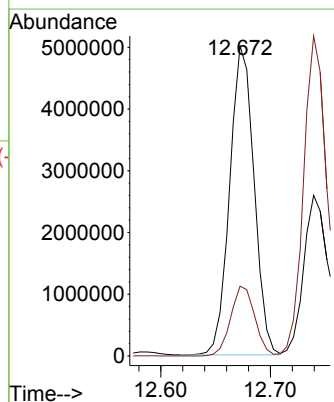
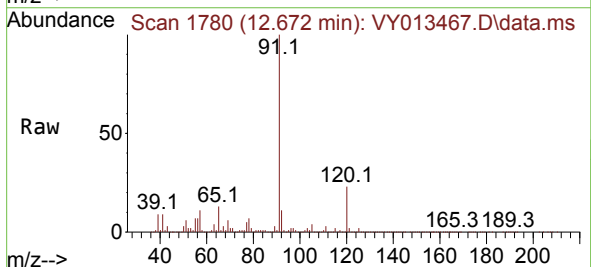
Instrument :
MSVOA_Y
ClientSampleId :
SPA-3WC-23-04

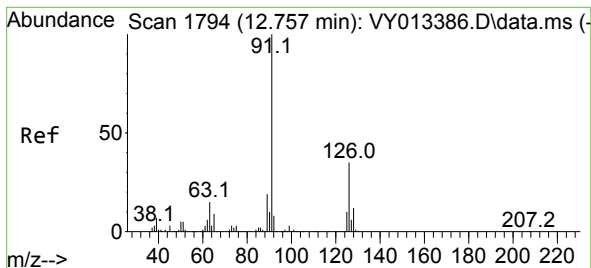
Tgt Ion:156 Resp: 9793
Ion Ratio Lower Upper
156 100
77 0.0 87.6 262.9#
158 60.9 48.5 145.5



#78
n-propylbenzene
Concen: 585.999 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY013467.D
Acq: 26 Apr 2023 12:46

Tgt Ion: 91 Resp: 7726697
Ion Ratio Lower Upper
91 100
120 22.3 11.9 35.9





#79

2-Chlorotoluene

Concen: 688.951 ug/l

RT: 12.739 min Scan# 1791

Delta R.T. -0.018 min

Lab File: VY013467.D

Acq: 26 Apr 2023 12:46

Instrument :

MSVOA_Y

ClientSampleId :

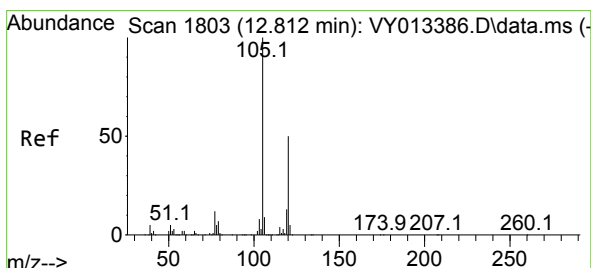
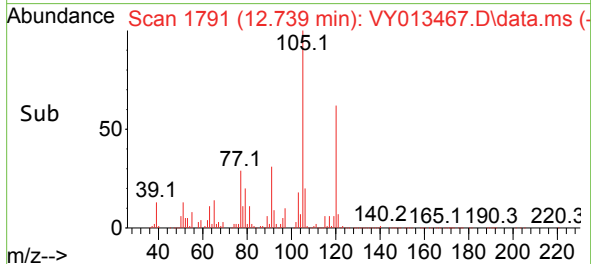
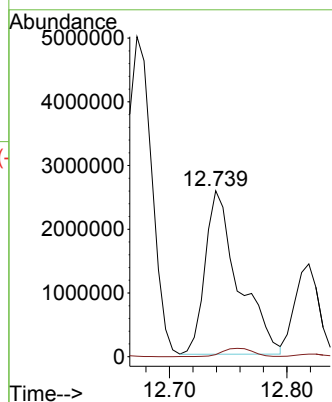
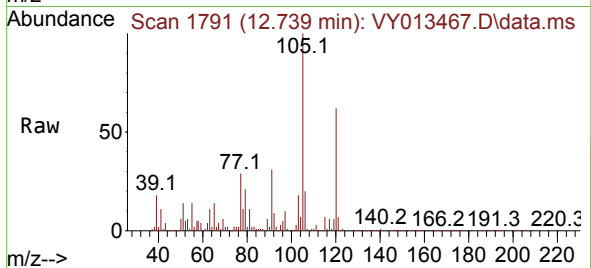
SPA-3WC-23-04

Tgt Ion: 91 Resp: 5072876

Ion Ratio Lower Upper

91 100

126 4.8 17.8 53.4#



#80

1,3,5-Trimethylbenzene

Concen: 1547.578 ug/l

RT: 12.813 min Scan# 1803

Delta R.T. 0.001 min

Lab File: VY013467.D

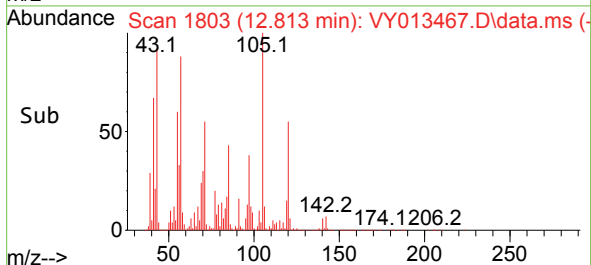
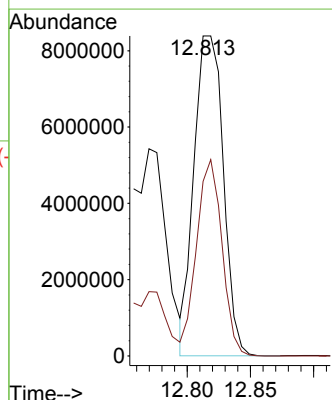
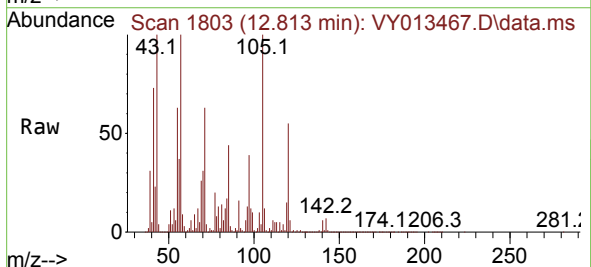
Acq: 26 Apr 2023 12:46

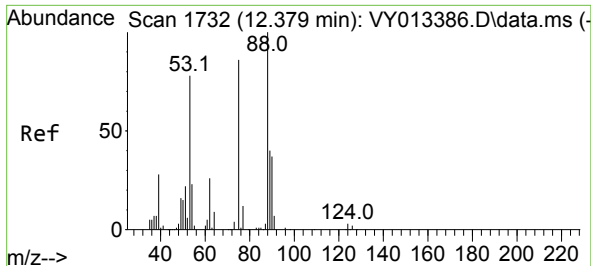
Tgt Ion:105 Resp:13521641

Ion Ratio Lower Upper

105 100

120 53.3 24.7 74.1

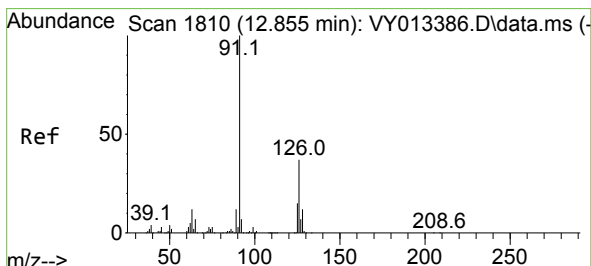
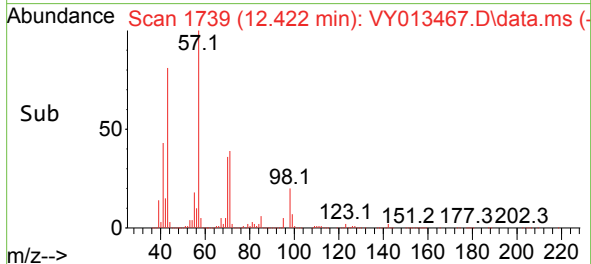
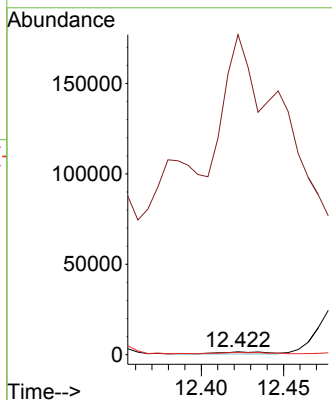
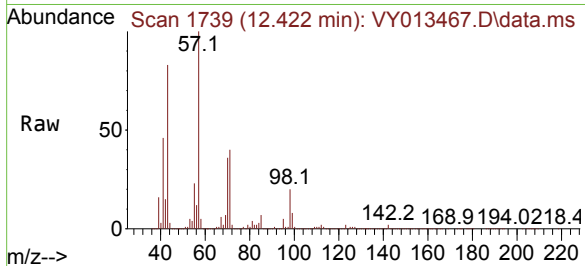




#81
trans-1,4-Dichloro-2-butene
Concen: 2.619 ug/l
RT: 12.422 min Scan# 1739
Delta R.T. 0.043 min
Lab File: VY013467.D
Acq: 26 Apr 2023 12:46

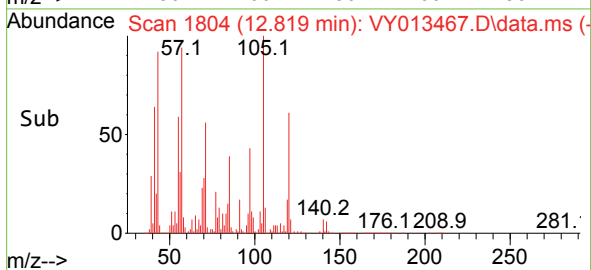
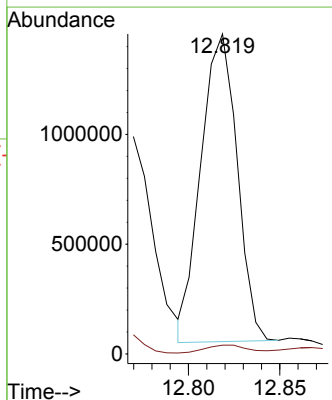
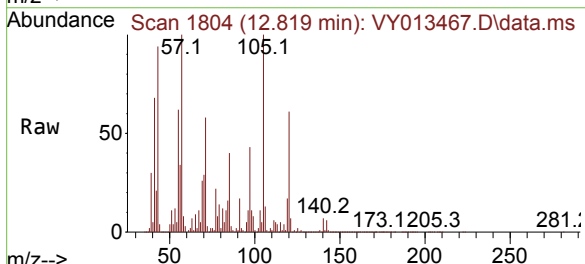
Instrument :
MSVOA_Y
ClientSampleId :
SPA-3WC-23-04

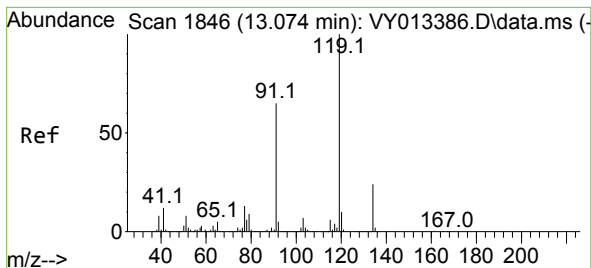
Tgt Ion: 75 Resp: 2444
Ion Ratio Lower Upper
75 100
53 17338.0 73.2 109.8#
89 0.0 38.0 57.0#



#82
4-Chlorotoluene
Concen: 251.819 ug/l
RT: 12.819 min Scan# 1804
Delta R.T. -0.036 min
Lab File: VY013467.D
Acq: 26 Apr 2023 12:46

Tgt Ion: 91 Resp: 1932590
Ion Ratio Lower Upper
91 100
126 3.1 17.9 53.8#





#83

tert-Butylbenzene

Concen: 116.213 ug/l

RT: 13.081 min Scan# 1847

Delta R.T. 0.007 min

Lab File: VY013467.D

Acq: 26 Apr 2023 12:46

Instrument :

MSVOA_Y

ClientSampleId :

SPA-3WC-23-04

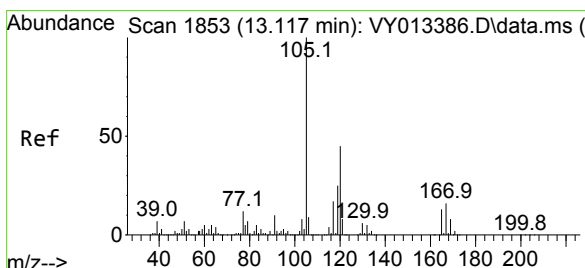
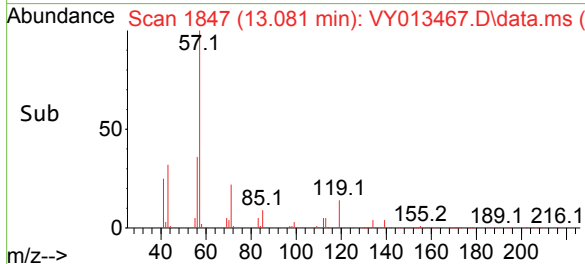
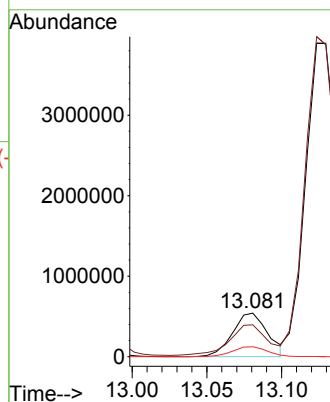
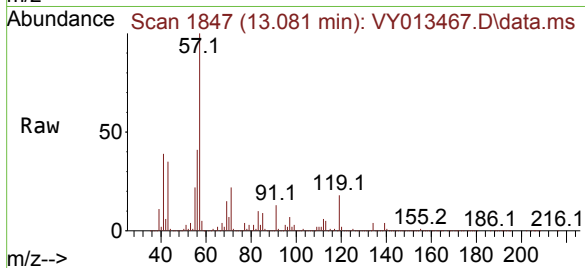
Tgt Ion:119 Resp: 879697

Ion Ratio Lower Upper

119 100

91 74.5 32.2 96.6

134 23.6 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 947.802 ug/l

RT: 12.977 min Scan# 1830

Delta R.T. -0.140 min

Lab File: VY013467.D

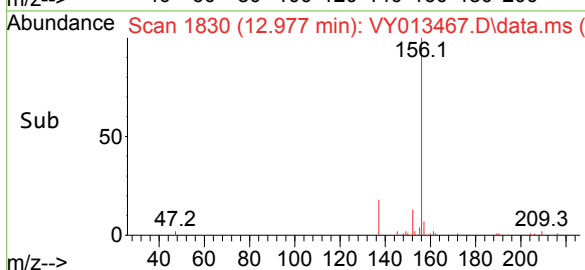
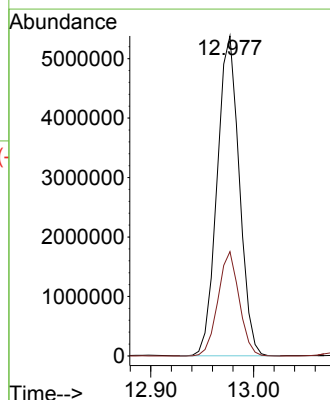
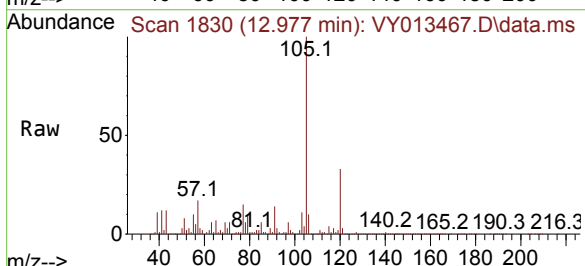
Acq: 26 Apr 2023 12:46

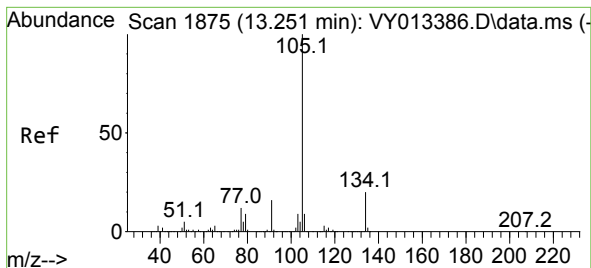
Tgt Ion:105 Resp: 8051310

Ion Ratio Lower Upper

105 100

120 31.1 22.3 66.9





#85

sec-Butylbenzene

Concen: 135.829 ug/l

RT: 13.258 min Scan# 1875

Delta R.T. 0.007 min

Lab File: VY013467.D

Acq: 26 Apr 2023 12:46

Instrument :

MSVOA_Y

ClientSampleId :

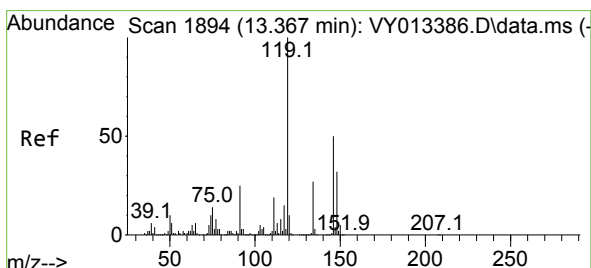
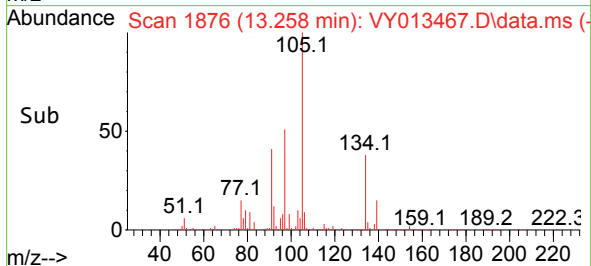
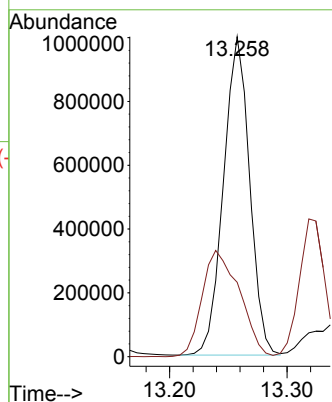
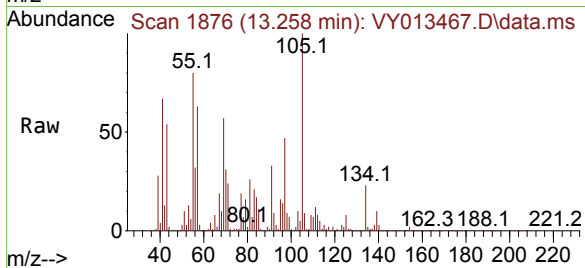
SPA-3WC-23-04

Tgt Ion:105 Resp: 1543118

Ion Ratio Lower Upper

105 100

134 47.6 10.3 30.9#



#86

p-Isopropyltoluene

Concen: 581.051 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.006 min

Lab File: VY013467.D

Acq: 26 Apr 2023 12:46

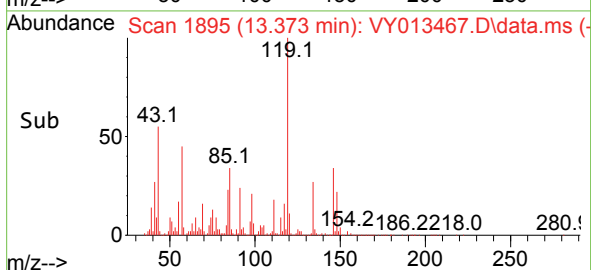
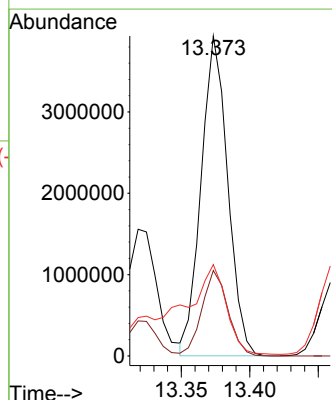
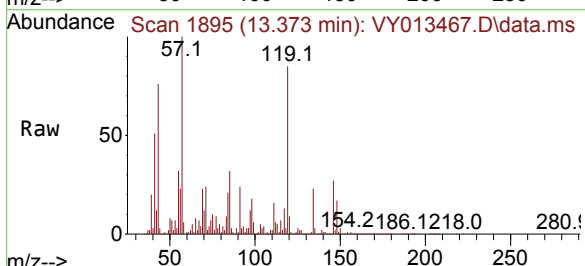
Tgt Ion:119 Resp: 5308481

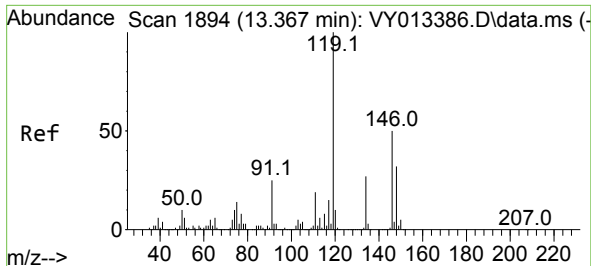
Ion Ratio Lower Upper

119 100

134 26.2 13.4 40.2

91 57.0 12.1 36.3#

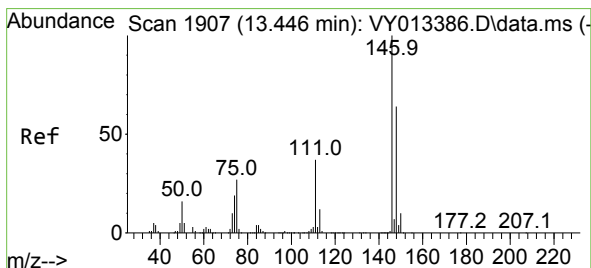
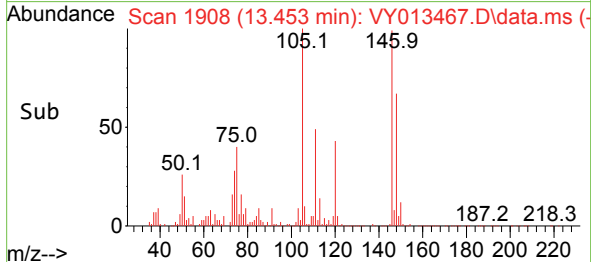
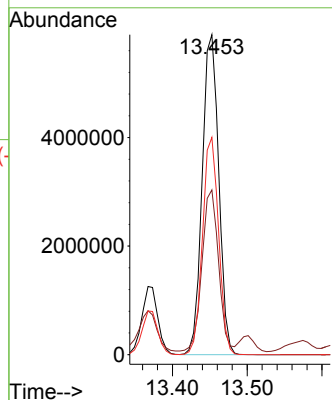
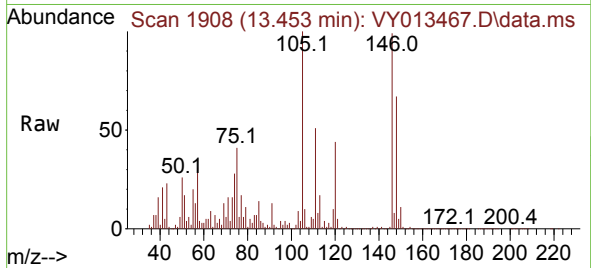




#87
 1,3-Dichlorobenzene
 Concen: 1828.934 ug/l
 RT: 13.453 min Scan# 1908
 Delta R.T. 0.086 min
 Lab File: VY013467.D
 Acq: 26 Apr 2023 12:46

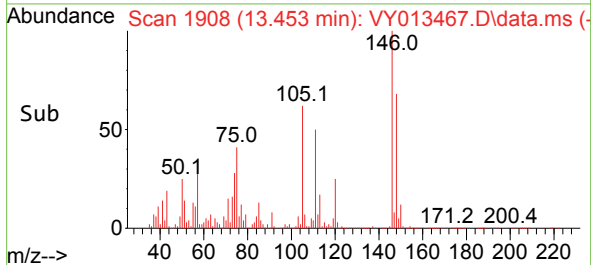
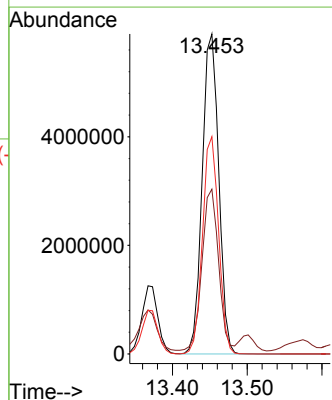
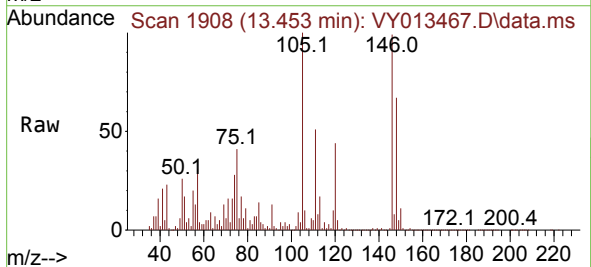
Instrument :
 MSVOA_Y
 ClientSampleId :
 SPA-3WC-23-04

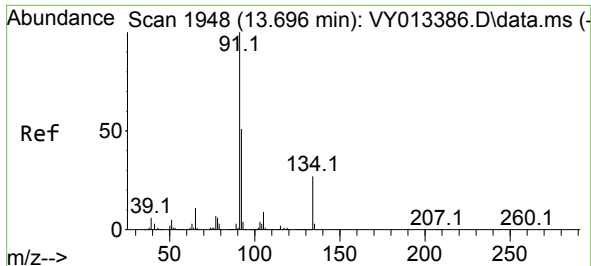
Tgt Ion:146 Resp: 9038048
 Ion Ratio Lower Upper
 146 100
 111 50.2 19.3 57.9
 148 66.1 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 1810.546 ug/l
 RT: 13.453 min Scan# 1908
 Delta R.T. 0.007 min
 Lab File: VY013467.D
 Acq: 26 Apr 2023 12:46

Tgt Ion:146 Resp: 9038048
 Ion Ratio Lower Upper
 146 100
 111 50.2 18.9 56.5
 148 66.1 31.9 95.5

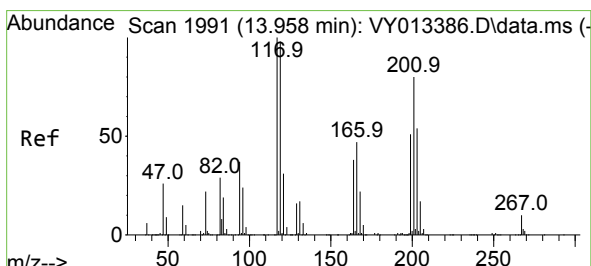
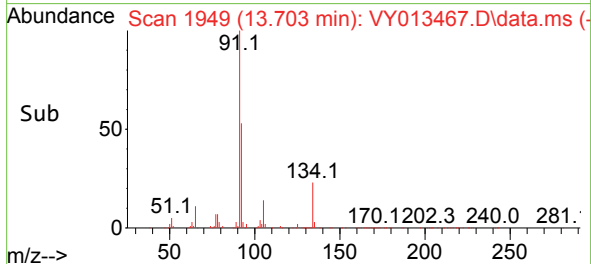
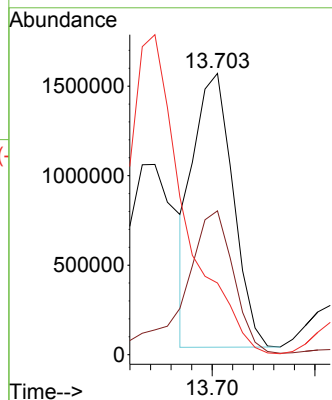
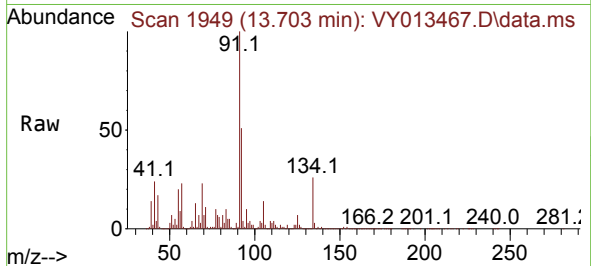




#89
n-Butylbenzene
Concen: 228.141 ug/l
RT: 13.703 min Scan# 1949
Delta R.T. 0.007 min
Lab File: VY013467.D
Acq: 26 Apr 2023 12:46

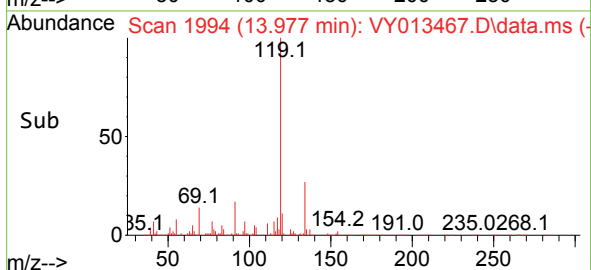
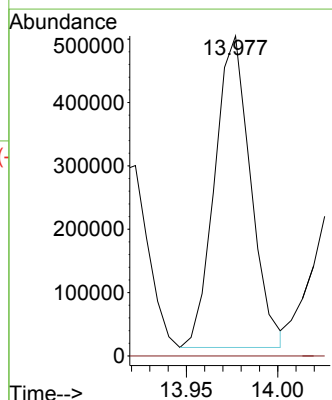
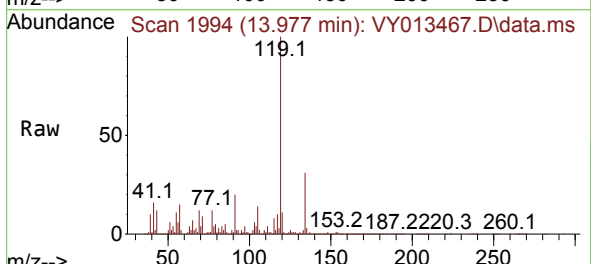
Instrument :
MSVOA_Y
ClientSampleId :
SPA-3WC-23-04

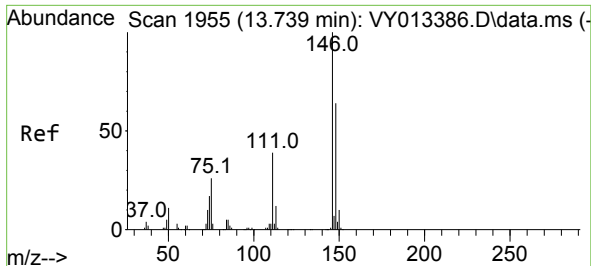
Tgt Ion: 91 Resp: 2034302
Ion Ratio Lower Upper
91 100
92 65.9 25.8 77.3
134 0.0 13.5 40.4#



#90
Hexachloroethane
Concen: 349.528 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.019 min
Lab File: VY013467.D
Acq: 26 Apr 2023 12:46

Tgt Ion: 117 Resp: 672075
Ion Ratio Lower Upper
117 100
201 0.0 41.6 124.8#

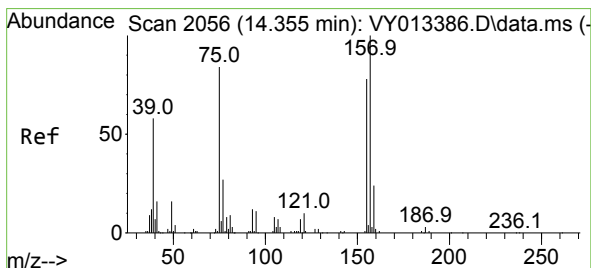
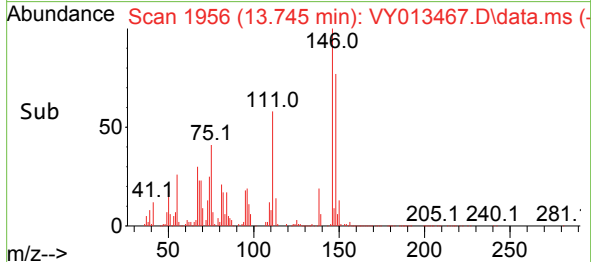
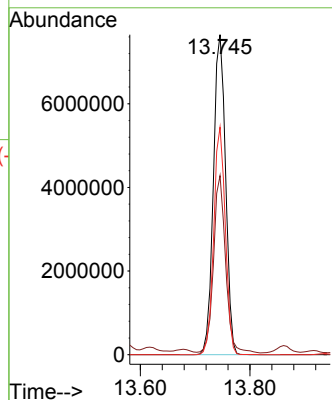
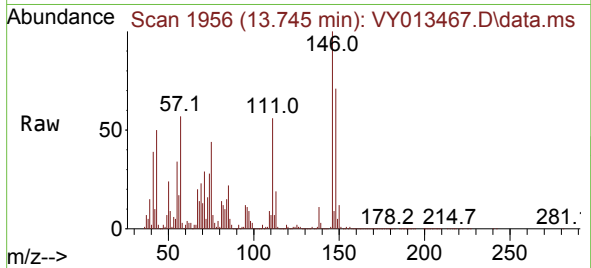




#91
1,2-Dichlorobenzene
Concen: 2627.795 ug/l
RT: 13.745 min Scan# 1955
Delta R.T. 0.006 min
Lab File: VY013467.D
Acq: 26 Apr 2023 12:46

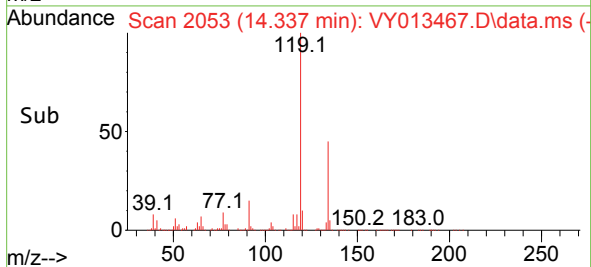
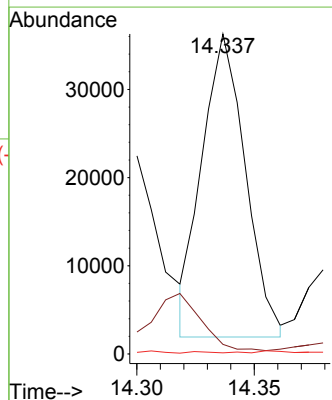
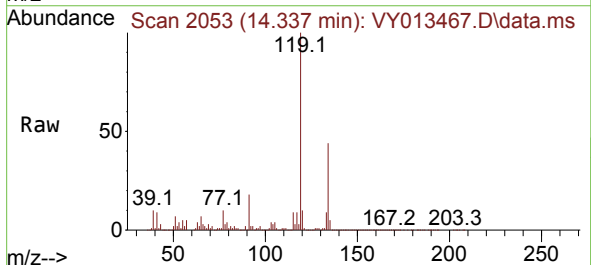
Instrument :
MSVOA_Y
ClientSampleId :
SPA-3WC-23-04

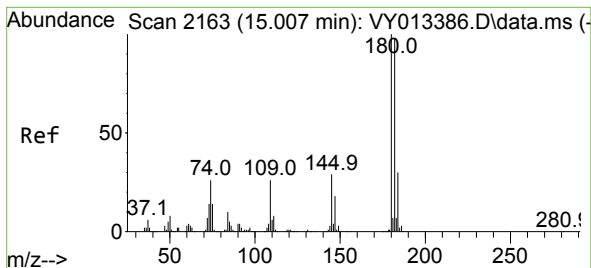
Tgt Ion:146 Resp:11726530
Ion Ratio Lower Upper
146 100
111 54.8 19.8 59.4
148 68.0 31.8 95.4



#92
1,2-Dibromo-3-Chloropropane
Concen: 95.281 ug/l
RT: 14.337 min Scan# 2053
Delta R.T. -0.018 min
Lab File: VY013467.D
Acq: 26 Apr 2023 12:46

Tgt Ion: 75 Resp: 44031
Ion Ratio Lower Upper
75 100
155 0.0 44.6 134.0#
157 0.9 57.6 172.7#





#93

1,2,4-Trichlorobenzene

Concen: 197.383 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY013467.D

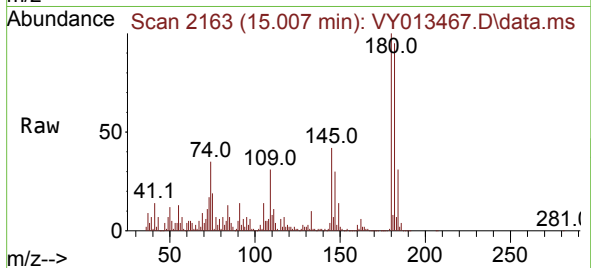
Acq: 26 Apr 2023 12:46

Instrument :

MSVOA_Y

ClientSampleId :

SPA-3WC-23-04



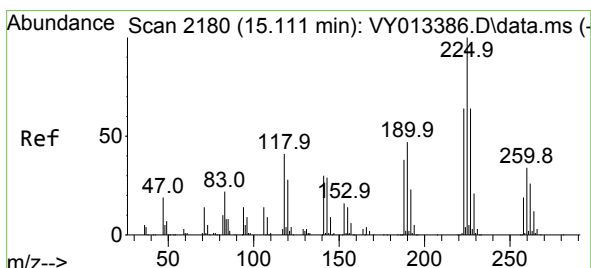
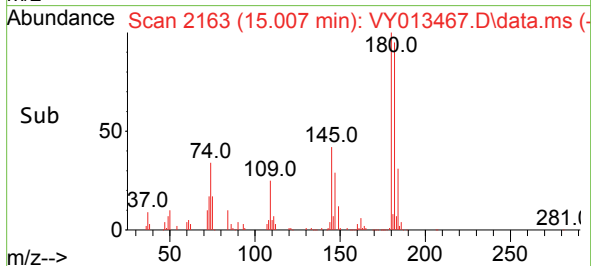
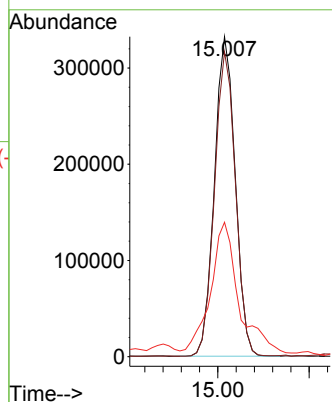
Tgt Ion:180 Resp: 525153

Ion Ratio Lower Upper

180 100

182 96.1 48.5 145.5

145 56.0 15.0 45.0#



#94

Hexachlorobutadiene

Concen: 4.546 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. -0.000 min

Lab File: VY013467.D

Acq: 26 Apr 2023 12:46

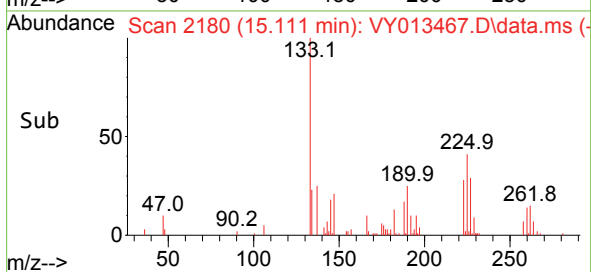
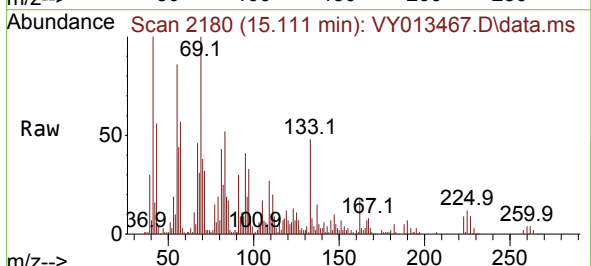
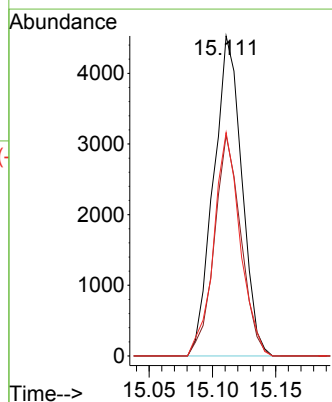
Tgt Ion:225 Resp: 7039

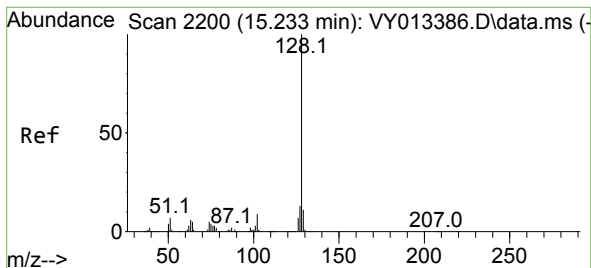
Ion Ratio Lower Upper

225 100

223 64.7 31.4 94.2

227 65.2 32.0 96.0





#95

Naphthalene

Concen: 791.876 ug/l

RT: 15.239 min Scan# 2200

Delta R.T. 0.006 min

Lab File: VY013467.D

Acq: 26 Apr 2023 12:46

Instrument :

MSVOA_Y

ClientSampleId :

SPA-3WC-23-04

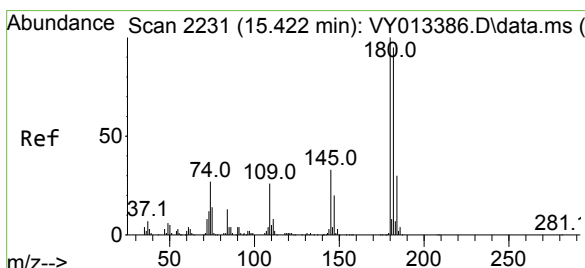
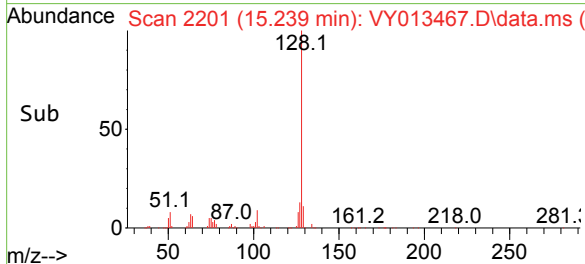
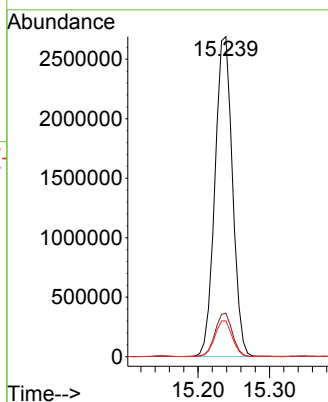
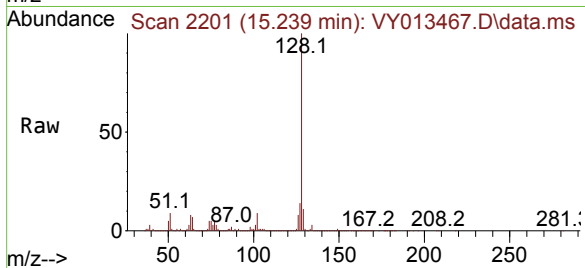
Tgt Ion:128 Resp: 4571241

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

129 11.2 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 24.540 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. -0.000 min

Lab File: VY013467.D

Acq: 26 Apr 2023 12:46

Tgt Ion:180 Resp: 58193

Ion Ratio Lower Upper

180 100

182 92.1 47.1 141.3

145 87.3 15.9 47.7#

