

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042623\
 Data File : VY013465.D
 Acq On : 26 Apr 2023 11:59
 Operator : KP/MD
 Sample : 02386-02
 Misc : 3.91g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SPA-1WC-23-04

Quant Time: Apr 27 01:30:00 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	181010	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	283552	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	186971	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	84024	50.000	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	107529	54.191	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.380%	
35) Dibromofluoromethane	7.716	113	94207	52.824	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.640%	
50) Toluene-d8	10.179	98	391276	61.673	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 123.340%	
62) 4-Bromofluorobenzene	12.477	95	156602	73.219	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 146.440%#	

Target Compounds						Qvalue
11) Tert butyl alcohol	4.966	59	7273	33.107	ug/l	# 89
13) Acrolein	3.729	56	782	Below Cal	#	16
15) Acrylonitrile	5.247	53	3641	5.487	ug/l	# 32
16) Acetone	3.960	43	161675	206.898	ug/l	91
17) Carbon Disulfide	4.198	76	11737	1.921	ug/l	98
20) Methylene Chloride	4.716	84	29211	4.585	ug/l	# 85
25) 2-Butanone	6.990	43	70146	70.782	ug/l	96
26) 2,2-Dichloropropane	6.978	77	5997	1.830	ug/l	# 52
31) Cyclohexane	7.777	56	169979	47.845	ug/l	# 68
36) 1,1-Dichloropropene	7.789	75	14272	4.822	ug/l	# 49
37) Ethyl Acetate	6.990	43	70146	31.493	ug/l	# 69
38) Carbon Tetrachloride	7.789	117	18046	5.817	ug/l	# 13
39) Methylcyclohexane	9.185	83	724444	207.617	ug/l	95
40) Benzene	8.161	78	956340	114.704	ug/l	98
42) 1,2-Dichloroethane	8.167	62	9275	3.403	ug/l	# 75
43) Isopropyl Acetate	8.264	43	47720	12.693	ug/l	# 53
47) Bromodichloromethane	9.459	83	5858	2.007	ug/l	# 86
48) Methyl methacrylate	9.240	41	62453	36.170	ug/l	# 39
51) 4-Methyl-2-Pentanone	10.172	43	66737	31.855	ug/l	# 45
52) Toluene	10.246	92	925298	184.424	ug/l	100
55) 1,1,2-Trichloroethane	10.618	97	256112	148.270	ug/l	# 21
56) Ethyl methacrylate	10.520	69	96759	40.376	ug/l	# 1
58) 2-Chloroethyl Vinyl ether	9.752	63	929	1.034	ug/l	# 45
59) 2-Hexanone	10.800	43	478072	313.923	ug/l	# 30
64) Tetrachloroethene	10.721	164	1471	1.035	ug/l	87
65) Chlorobenzene	11.514	112	5603219	1375.717	ug/l	96
67) Ethyl Benzene	11.587	91	17546709	2453.373	ug/l	# 72
68) m/p-Xylenes	11.697	106	18725856	6887.306	ug/l	# 1
69) o-Xylene	12.032	106	5766258	2242.469	ug/l	95
70) Styrene	12.032	104	331024	76.992	ug/l	# 1
73) Isopropylbenzene	12.331	105	2212554	348.145	ug/l	97
74) N-amyl acetate	12.123	43	938016	414.760	ug/l	# 57
75) 1,1,2,2-Tetrachloroethane	12.526	83	71664	46.134	ug/l	# 40
76) 1,2,3-Trichloropropane	12.672	75	28235	24.917	ug/l	# 100
77) Bromobenzene	12.611	156	4447	2.888	ug/l	# 4
78) n-propylbenzene	12.672	91	4295347	548.718	ug/l	97

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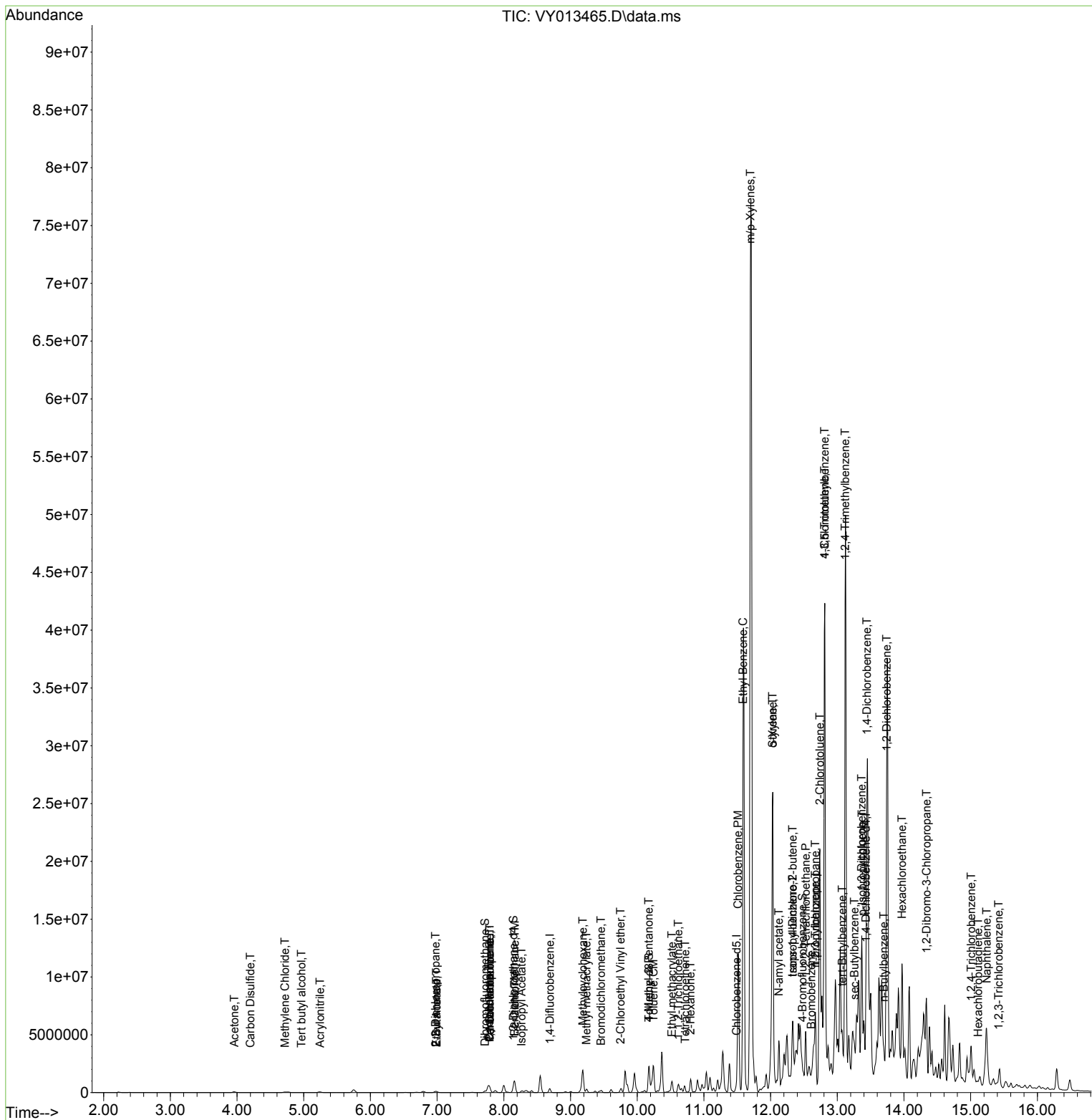
Quant Time: Apr 27 01:30:00 2023
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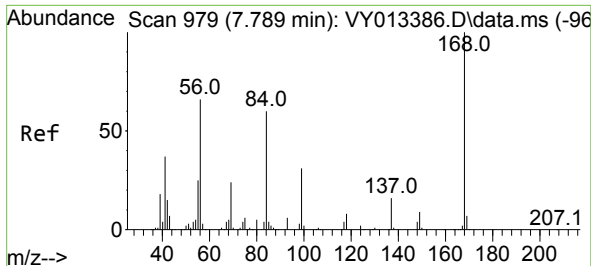
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

79) 2-Chlorotoluene	12.739	91	2306534	527.645	ug/l #	52
80) 1,3,5-Trimethylbenzene	12.812	105	6690525	1289.828	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.331	75	30705	55.428	ug/l #	1
82) 4-Chlorotoluene	12.812	91	789999	173.390	ug/l #	42
83) tert-Butylbenzene	13.074	119	488769	108.761	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	15479758	3069.472	ug/l	70
85) sec-Butylbenzene	13.257	105	807014	119.653	ug/l #	23
86) p-Isopropyltoluene	13.373	119	1909317	352.023	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	912352	310.981	ug/l	90
88) 1,4-Dichlorobenzene	13.446	146	5502527	1856.715	ug/l	95
89) n-Butylbenzene	13.696	91	1133977	214.211	ug/l #	75
90) Hexachloroethane	13.971	117	368340	322.672	ug/l #	8
91) 1,2-Dichlorobenzene	13.739	146	5568516	2101.889	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.336	75	29511	107.568	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.007	180	788050	498.915	ug/l #	91
94) Hexachlorobutadiene	15.111	225	6001	6.528	ug/l	99
95) Naphthalene	15.239	128	3607586	1052.660	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	152411	108.260	ug/l #	80

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

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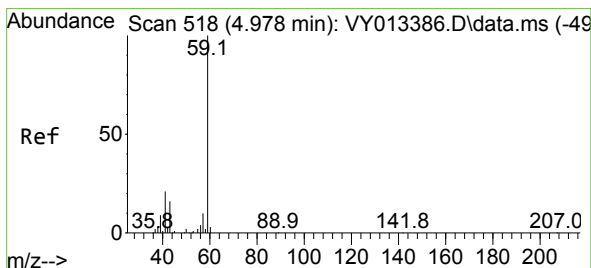
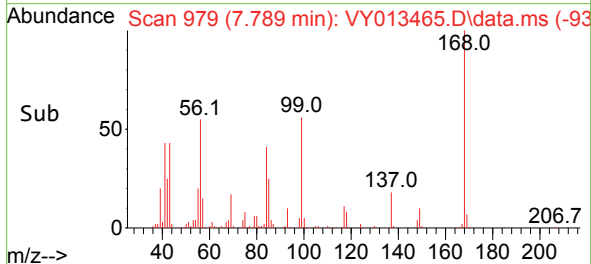
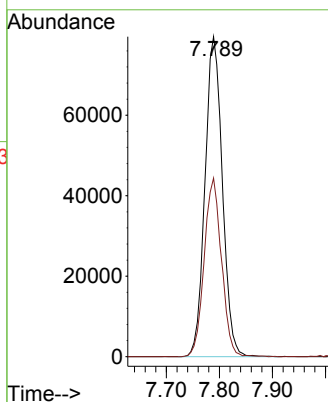
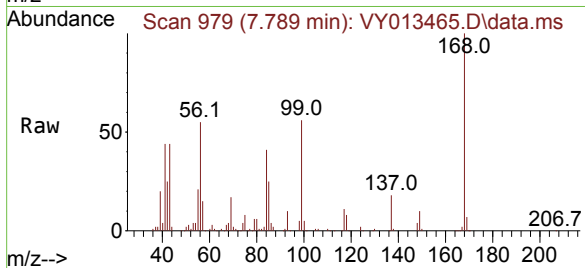




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013465.D
Acq: 26 Apr 2023 11:59

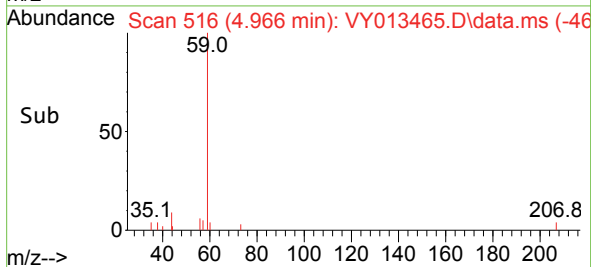
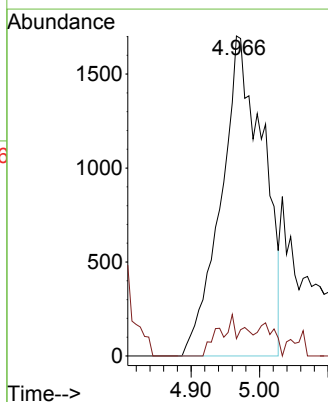
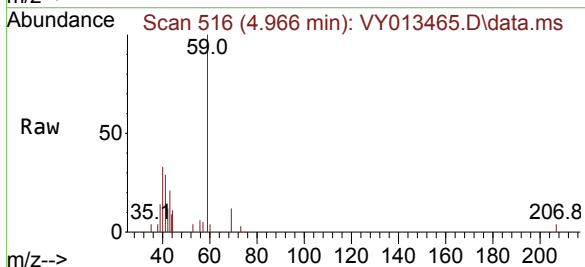
Instrument :
MSVOA_Y
ClientSampleId :
SPA-1WC-23-04

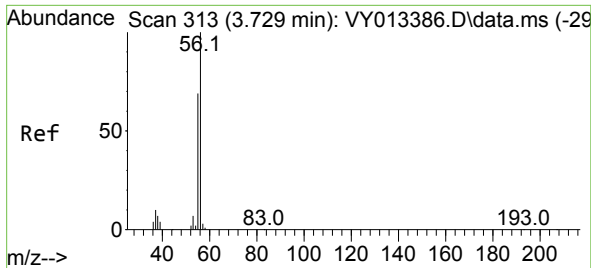
Tgt Ion:168 Resp: 181010
Ion Ratio Lower Upper
168 100
99 55.8 41.8 62.6



#11
Tert butyl alcohol
Concen: 33.107 ug/l
RT: 4.966 min Scan# 516
Delta R.T. -0.012 min
Lab File: VY013465.D
Acq: 26 Apr 2023 11:59

Tgt Ion: 59 Resp: 7273
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#13

Acrolein

Concen: Below Cal

RT: 3.729 min Scan# 313

Delta R.T. -0.000 min

Lab File: VY013465.D

Acq: 26 Apr 2023 11:59

Instrument :

MSVOA_Y

ClientSampleId :

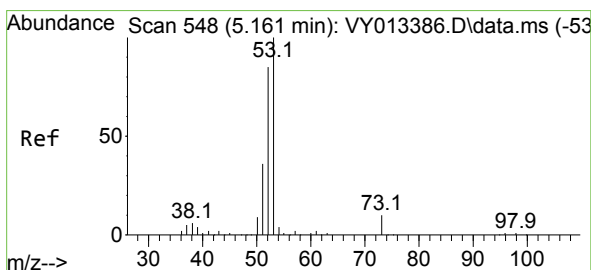
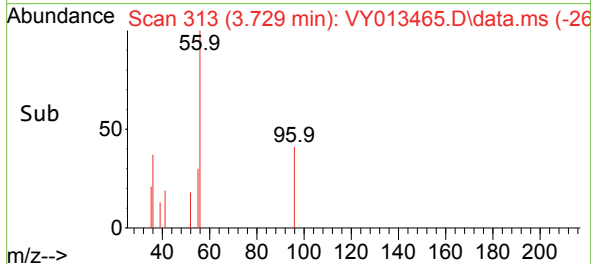
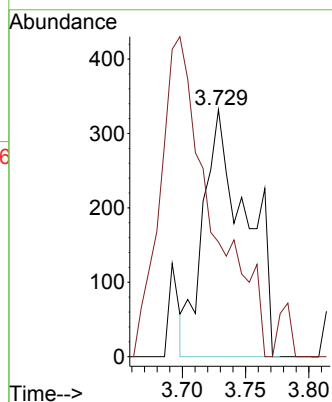
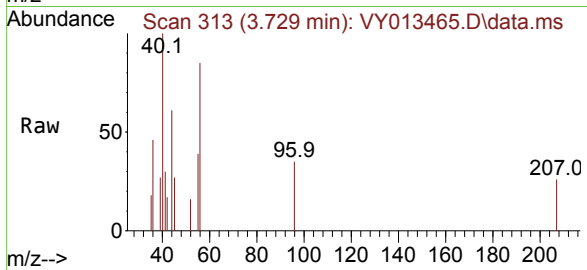
SPA-1WC-23-04

Tgt Ion: 56 Resp: 782

Ion Ratio Lower Upper

56 100

55 0.0 54.1 81.1#



#15

Acrylonitrile

Concen: 5.487 ug/l

RT: 5.247 min Scan# 562

Delta R.T. 0.086 min

Lab File: VY013465.D

Acq: 26 Apr 2023 11:59

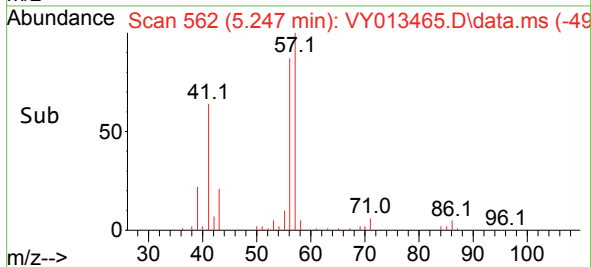
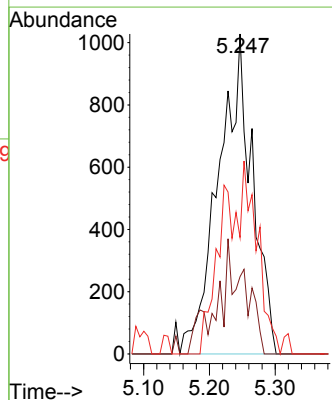
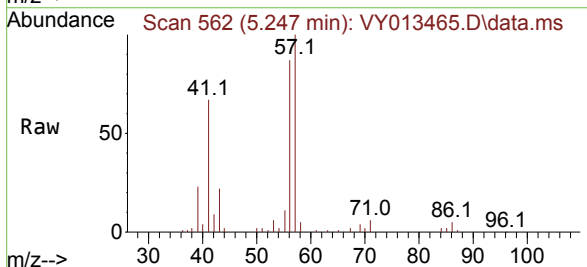
Tgt Ion: 53 Resp: 3641

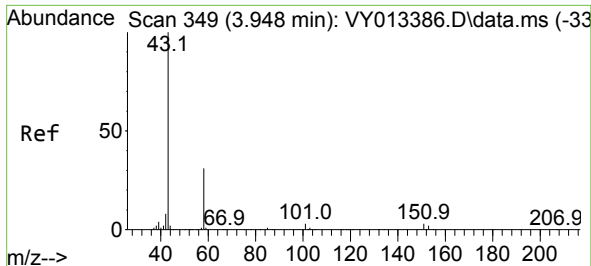
Ion Ratio Lower Upper

53 100

52 0.0 65.4 98.0#

51 27.5 29.3 43.9#





#16

Acetone

Concen: 206.898 ug/l

RT: 3.960 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY013465.D

Acq: 26 Apr 2023 11:59

Instrument :

MSVOA_Y

ClientSampleId :

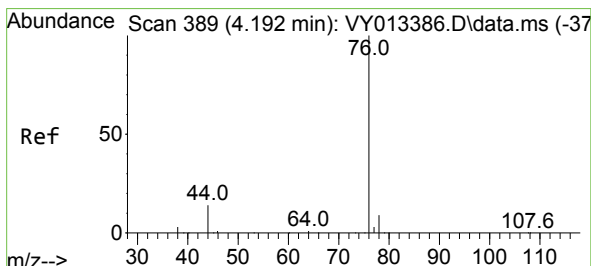
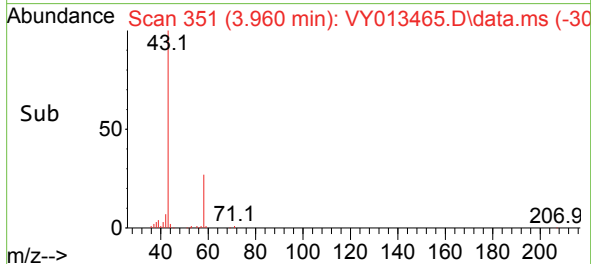
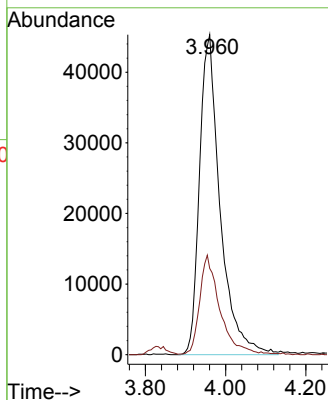
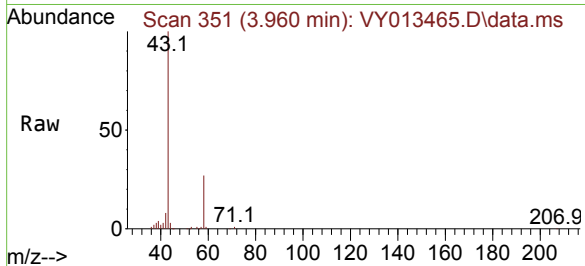
SPA-1WC-23-04

Tgt Ion: 43 Resp: 161675

Ion Ratio Lower Upper

43 100

58 26.8 25.4 38.0



#17

Carbon Disulfide

Concen: 1.921 ug/l

RT: 4.198 min Scan# 390

Delta R.T. 0.006 min

Lab File: VY013465.D

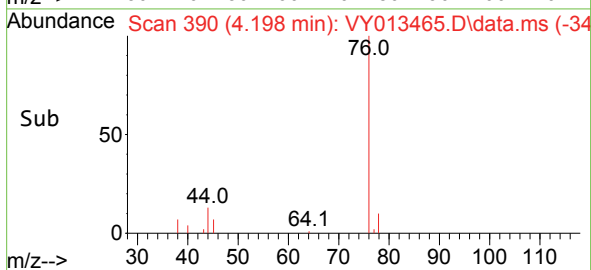
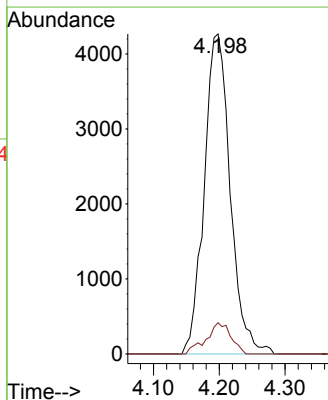
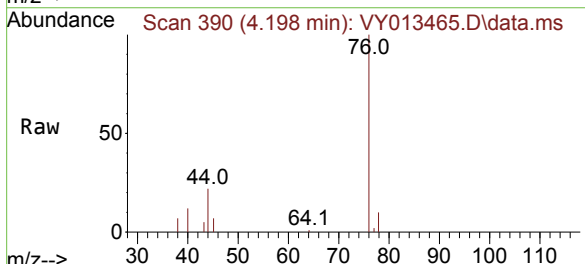
Acq: 26 Apr 2023 11:59

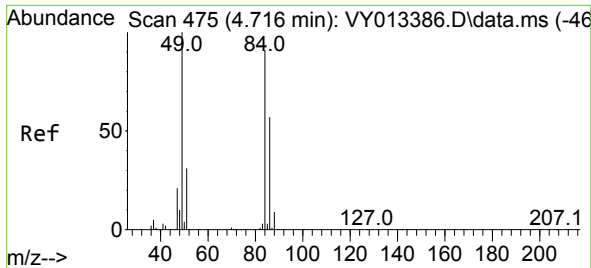
Tgt Ion: 76 Resp: 11737

Ion Ratio Lower Upper

76 100

78 9.8 7.2 10.8

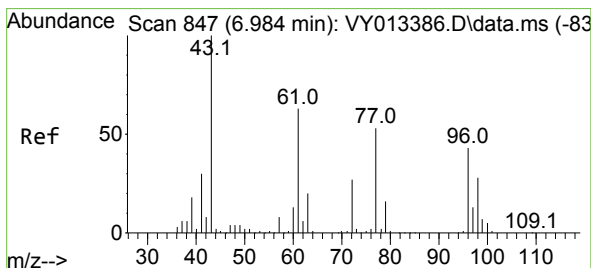
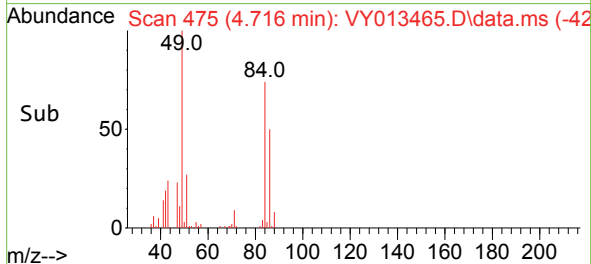
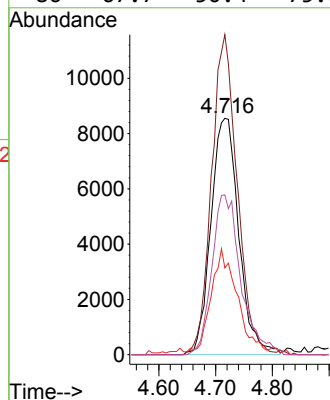
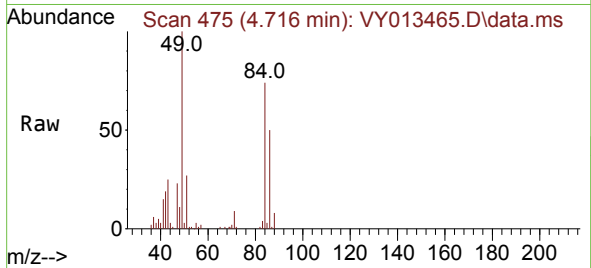




#20
Methylene Chloride
Concen: 4.585 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY013465.D
Acq: 26 Apr 2023 11:59

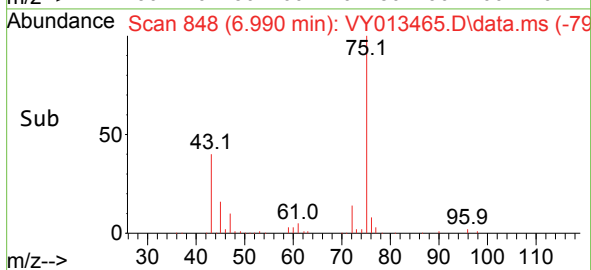
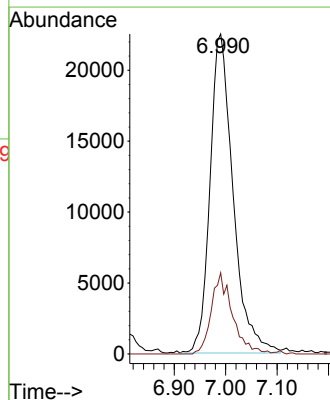
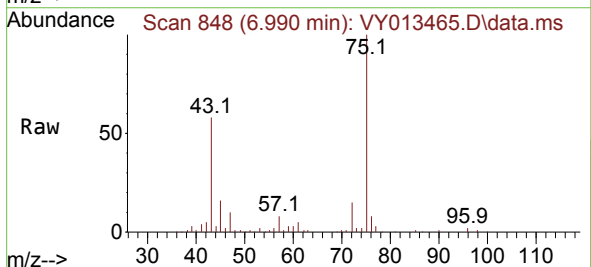
Instrument :
MSVOA_Y
ClientSampleId :
SPA-1WC-23-04

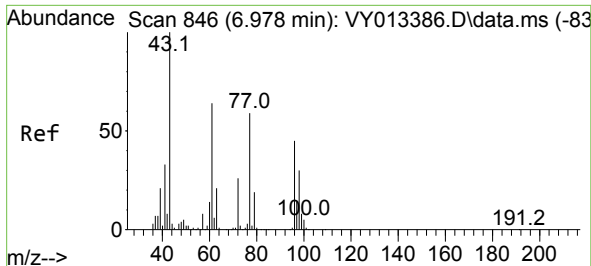
Tgt Ion: 84 Resp: 29211
Ion Ratio Lower Upper
84 100
49 135.4 88.0 132.0#
51 36.1 27.4 41.0
86 67.7 50.4 75.6



#25
2-Butanone
Concen: 70.782 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY013465.D
Acq: 26 Apr 2023 11:59

Tgt Ion: 43 Resp: 70146
Ion Ratio Lower Upper
43 100
72 25.4 21.9 32.9





#26

2,2-Dichloropropane

Concen: 1.830 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.000 min

Lab File: VY013465.D

Acq: 26 Apr 2023 11:59

Instrument :

MSVOA_Y

ClientSampleId :

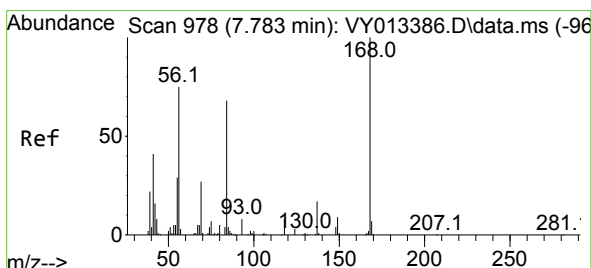
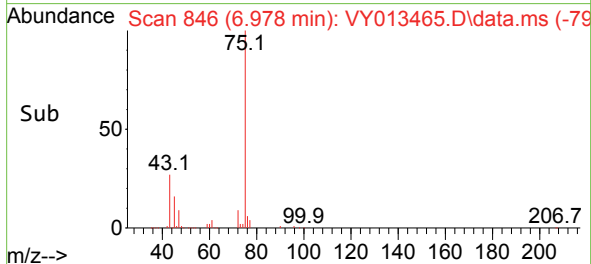
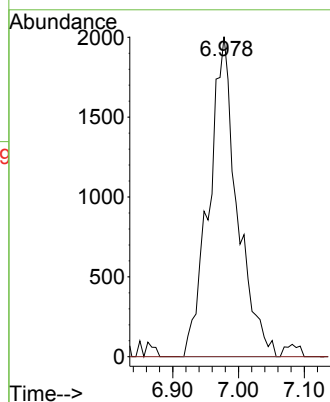
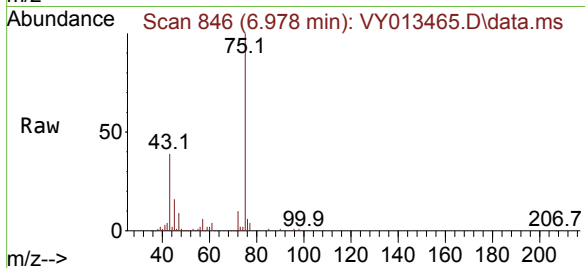
SPA-1WC-23-04

Tgt Ion: 77 Resp: 5997

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#



#31

Cyclohexane

Concen: 47.845 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.006 min

Lab File: VY013465.D

Acq: 26 Apr 2023 11:59

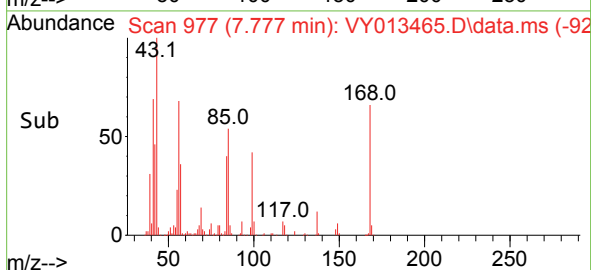
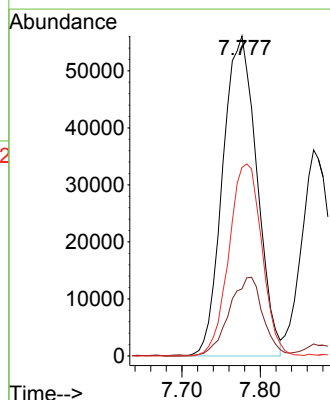
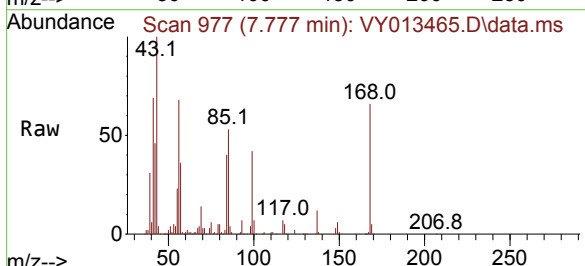
Tgt Ion: 56 Resp: 169979

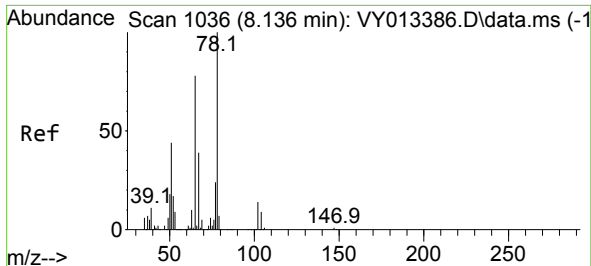
Ion Ratio Lower Upper

56 100

69 20.6 29.2 43.8#

84 58.9 73.0 109.6#





#33

1,2-Dichloroethane-d4

Concen: 54.191 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VY013465.D

Acq: 26 Apr 2023 11:59

Instrument :

MSVOA_Y

ClientSampleId :

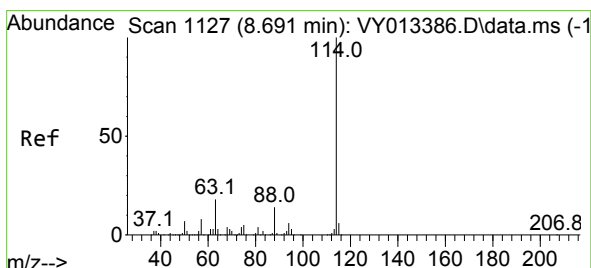
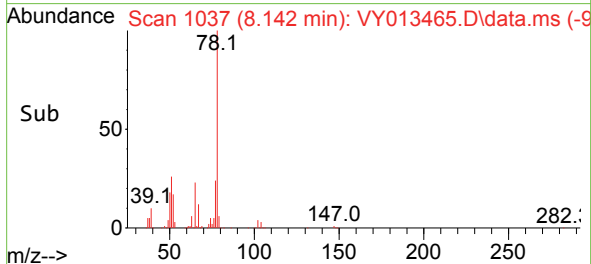
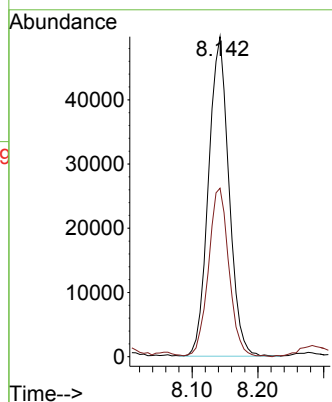
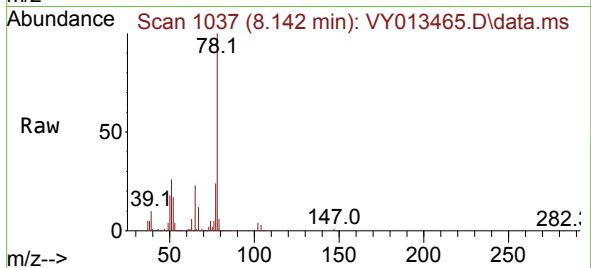
SPA-1WC-23-04

Tgt Ion: 65 Resp: 107529

Ion Ratio Lower Upper

65 100

67 53.0 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: VY013465.D

Acq: 26 Apr 2023 11:59

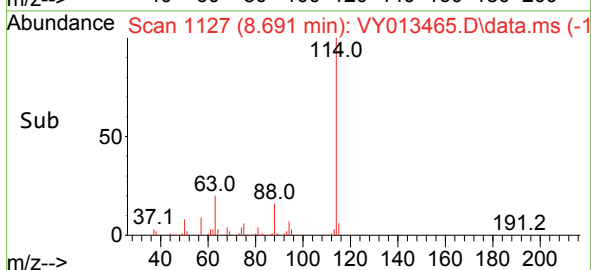
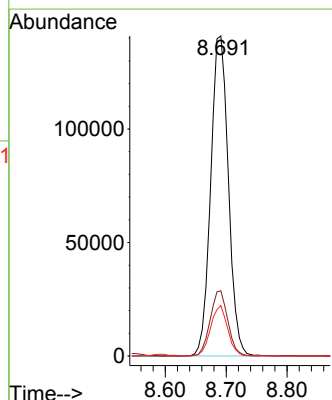
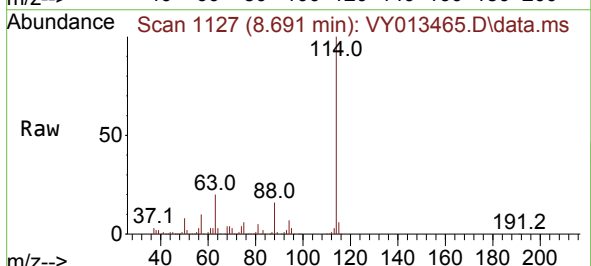
Tgt Ion: 114 Resp: 283552

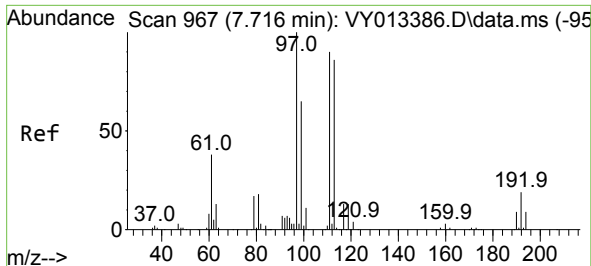
Ion Ratio Lower Upper

114 100

63 20.3 0.0 36.6

88 15.8 0.0 28.8

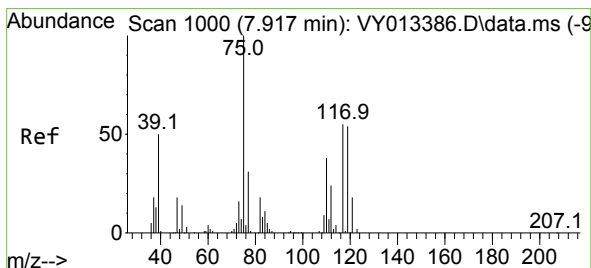
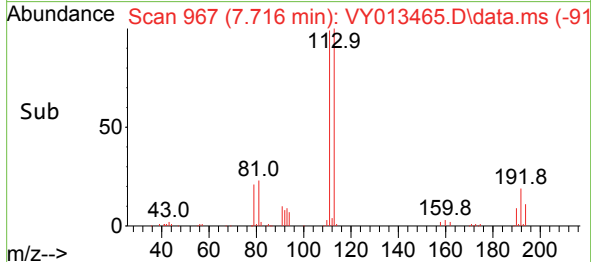
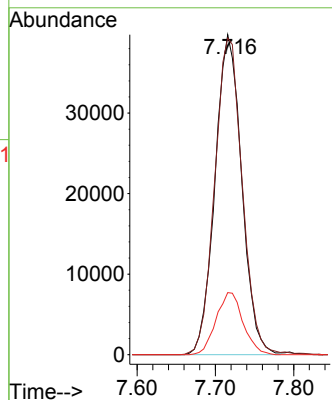
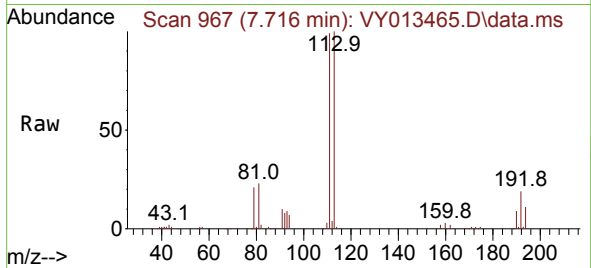




#35
Dibromofluoromethane
Concen: 52.824 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY013465.D
Acq: 26 Apr 2023 11:59

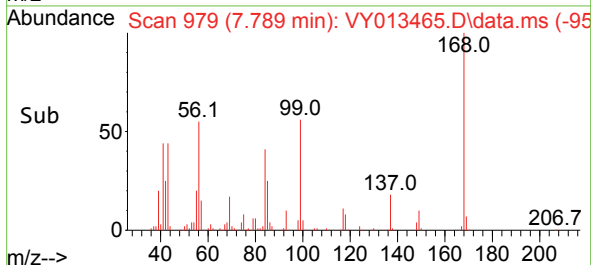
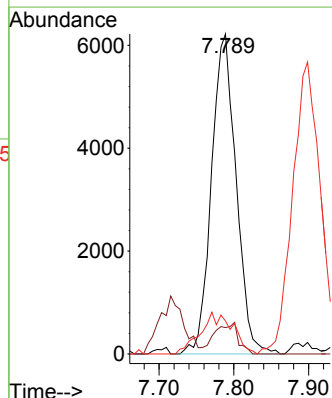
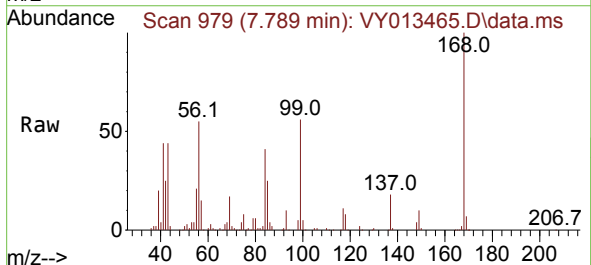
Instrument :
MSVOA_Y
ClientSampleId :
SPA-1WC-23-04

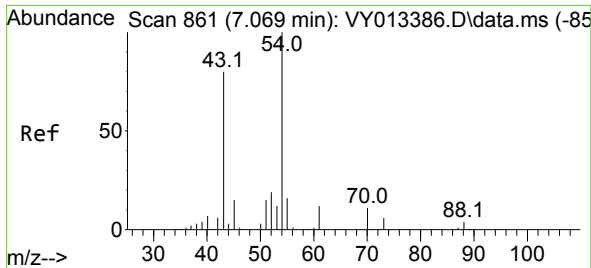
Tgt Ion:113 Resp: 94207
Ion Ratio Lower Upper
113 100
111 101.9 82.2 123.2
192 19.6 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.822 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013465.D
Acq: 26 Apr 2023 11:59

Tgt Ion: 75 Resp: 14272
Ion Ratio Lower Upper
75 100
110 9.2 18.7 56.1#
77 0.0 24.6 37.0#

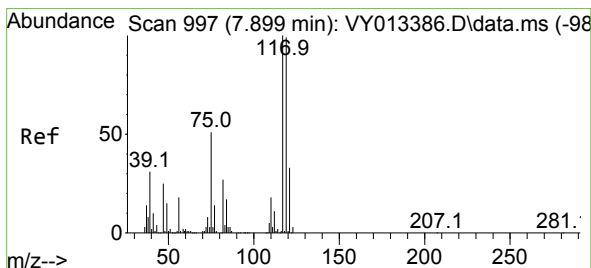
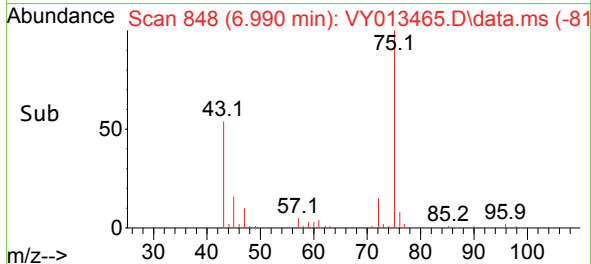
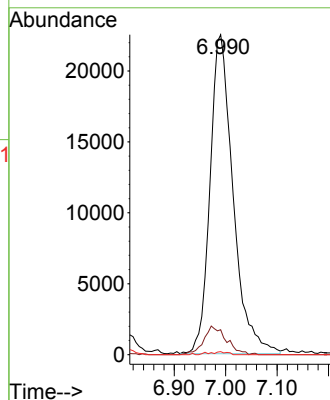
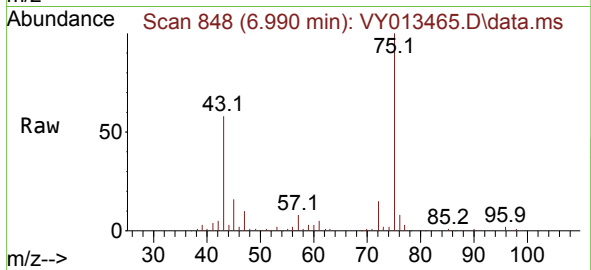




#37
Ethyl Acetate
Concen: 31.493 ug/l
RT: 6.990 min Scan# 84
Delta R.T. -0.079 min
Lab File: VY013465.D
Acq: 26 Apr 2023 11:59

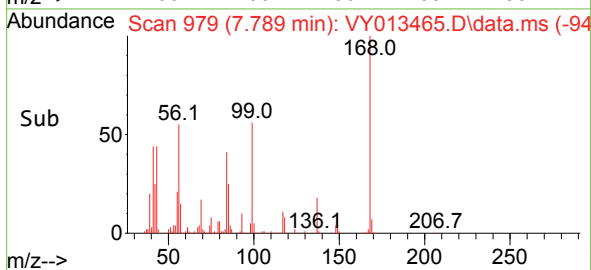
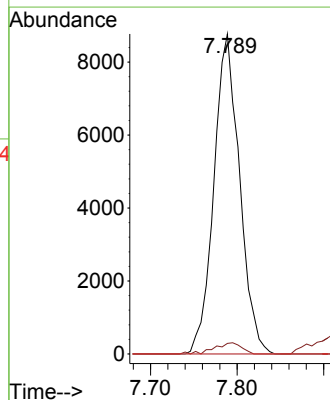
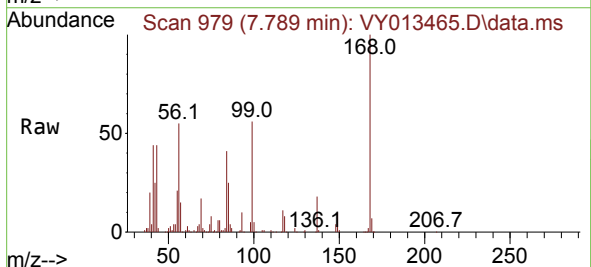
Instrument :
MSVOA_Y
ClientSampleId :
SPA-1WC-23-04

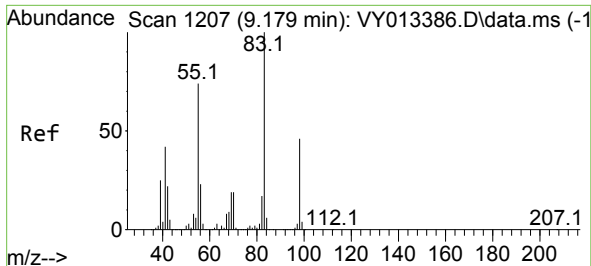
Tgt Ion: 43 Resp: 70146
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.0#
70 0.4 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 5.817 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY013465.D
Acq: 26 Apr 2023 11:59

Tgt Ion: 117 Resp: 18046
Ion Ratio Lower Upper
117 100
119 3.3 79.0 118.6#
121 0.0 26.6 40.0#





#39

Methylcyclohexane

Concen: 207.617 ug/l

RT: 9.185 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY013465.D

Acq: 26 Apr 2023 11:59

Instrument :

MSVOA_Y

ClientSampleId :

SPA-1WC-23-04

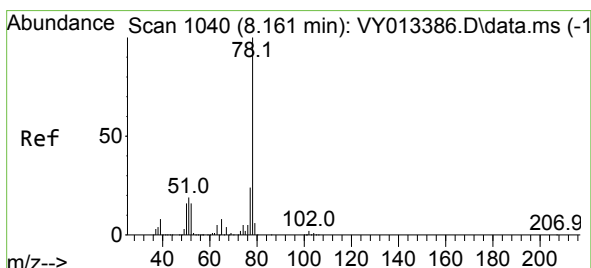
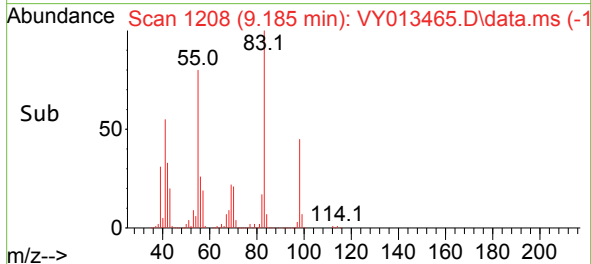
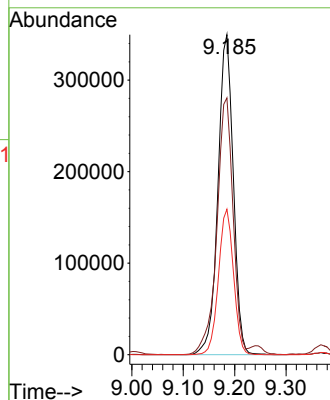
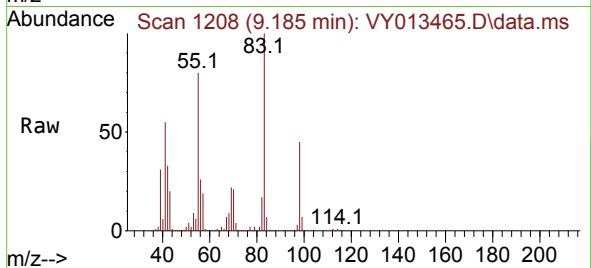
Tgt Ion: 83 Resp: 724444

Ion Ratio Lower Upper

83 100

55 80.2 59.0 88.4

98 45.5 37.0 55.4



#40

Benzene

Concen: 114.704 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY013465.D

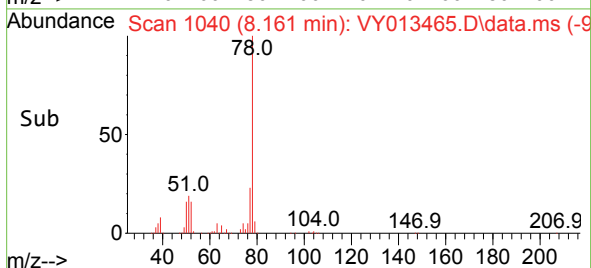
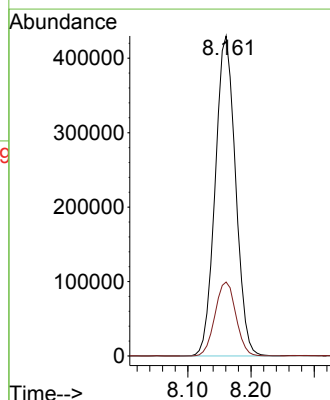
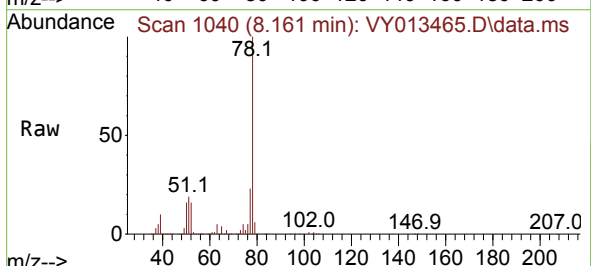
Acq: 26 Apr 2023 11:59

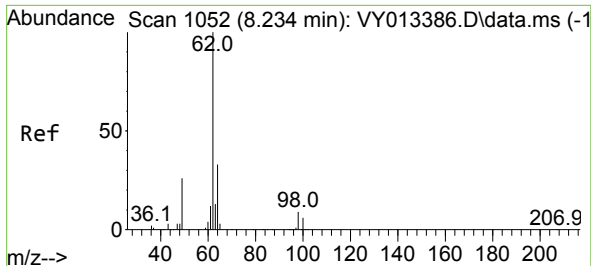
Tgt Ion: 78 Resp: 956340

Ion Ratio Lower Upper

78 100

77 23.1 19.2 28.8





#42

1,2-Dichloroethane

Concen: 3.403 ug/l

RT: 8.167 min Scan# 1041

Delta R.T. -0.067 min

Lab File: VY013465.D

Acq: 26 Apr 2023 11:59

Instrument :

MSVOA_Y

ClientSampleId :

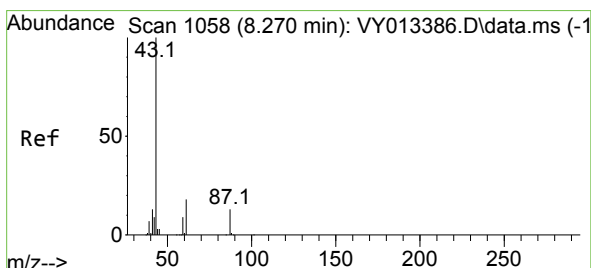
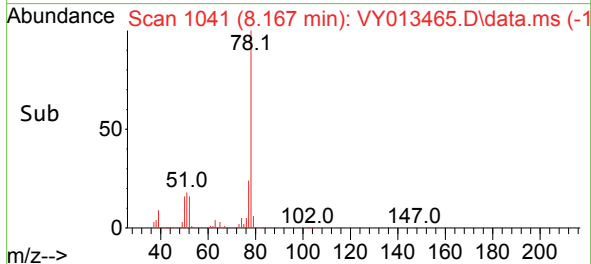
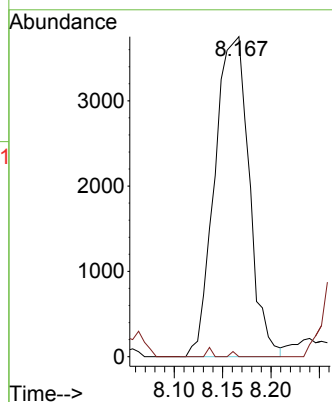
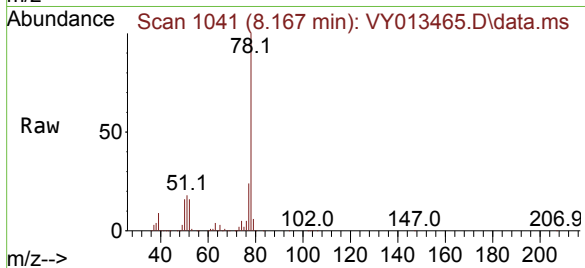
SPA-1WC-23-04

Tgt Ion: 62 Resp: 9275

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.8



#43

Isopropyl Acetate

Concen: 12.693 ug/l

RT: 8.264 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VY013465.D

Acq: 26 Apr 2023 11:59

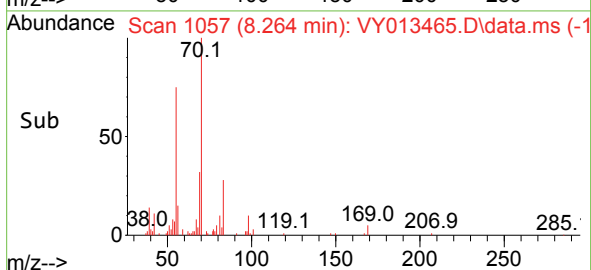
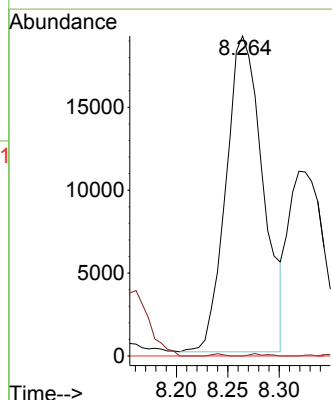
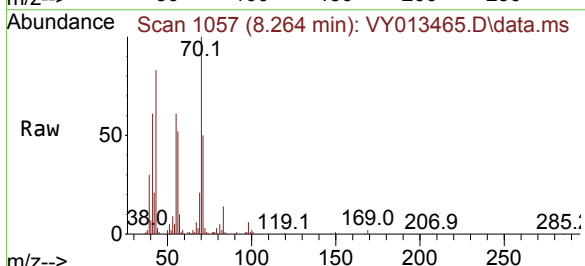
Tgt Ion: 43 Resp: 47720

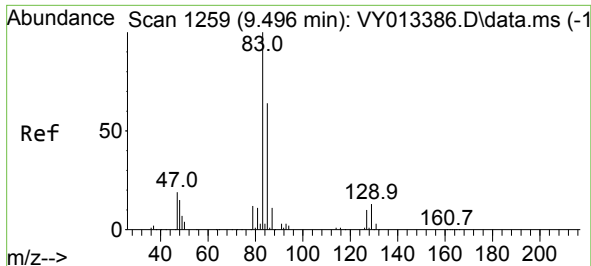
Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

87 0.0 11.0 16.6#

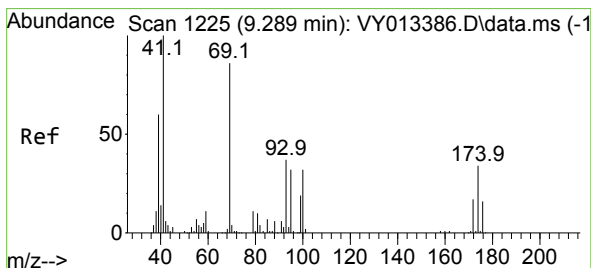
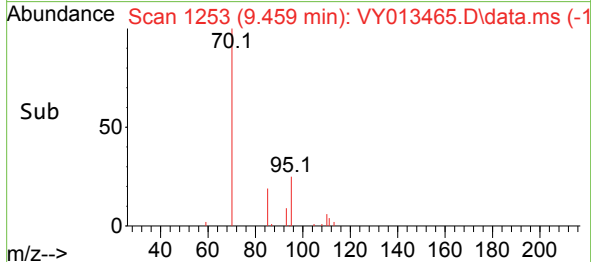
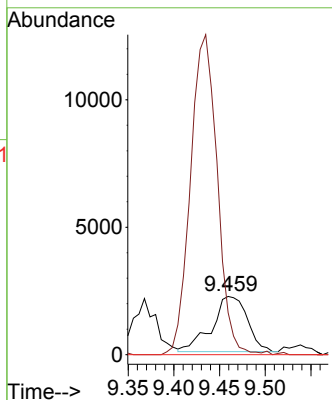
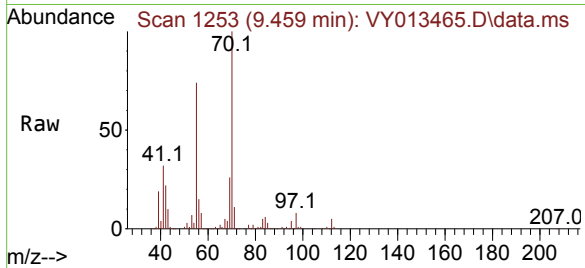




#47
Bromodichloromethane
Concen: 2.007 ug/l
RT: 9.459 min Scan# 11
Delta R.T. -0.037 min
Lab File: VY013465.D
Acq: 26 Apr 2023 11:59

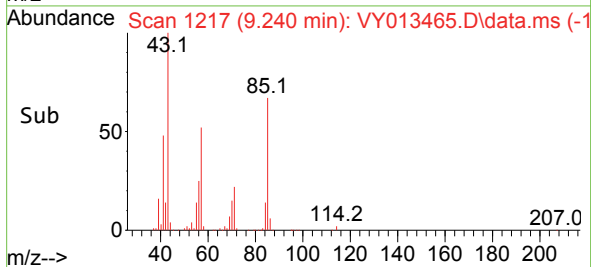
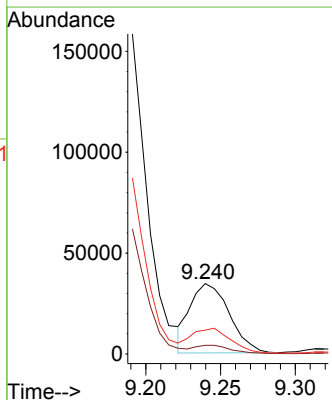
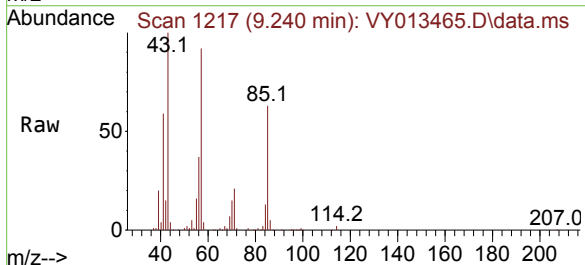
Instrument :
MSVOA_Y
ClientSampleId :
SPA-1WC-23-04

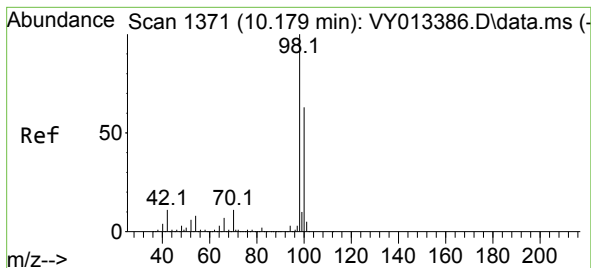
Tgt Ion: 83 Resp: 5858
Ion Ratio Lower Upper
83 100
85 73.7 51.4 77.2
127 0.0 8.1 12.1#



#48
Methyl methacrylate
Concen: 36.170 ug/l
RT: 9.240 min Scan# 1217
Delta R.T. -0.049 min
Lab File: VY013465.D
Acq: 26 Apr 2023 11:59

Tgt Ion: 41 Resp: 62453
Ion Ratio Lower Upper
41 100
69 11.5 70.2 105.4#
39 37.1 47.9 71.9#

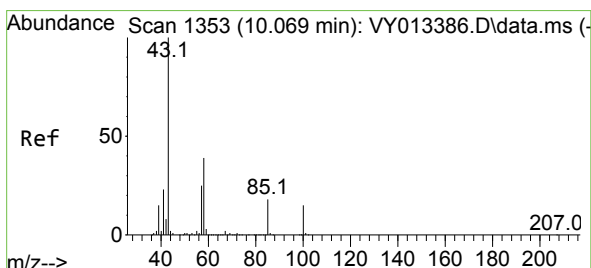
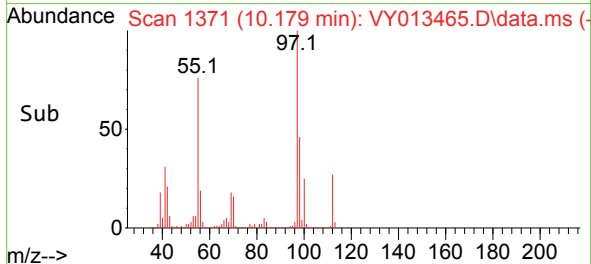
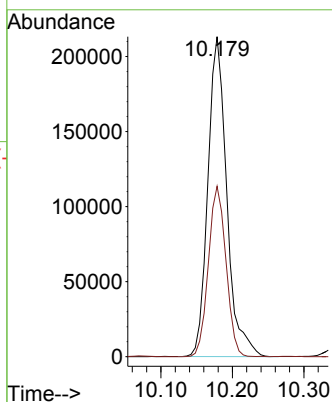
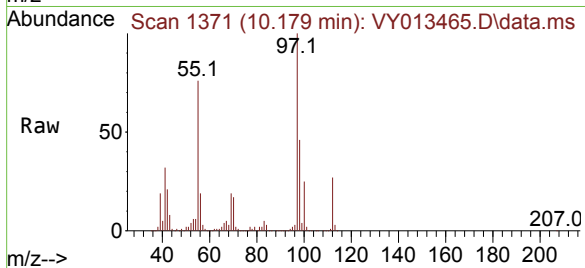




#50
Toluene-d8
Concen: 61.673 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013465.D
Acq: 26 Apr 2023 11:59

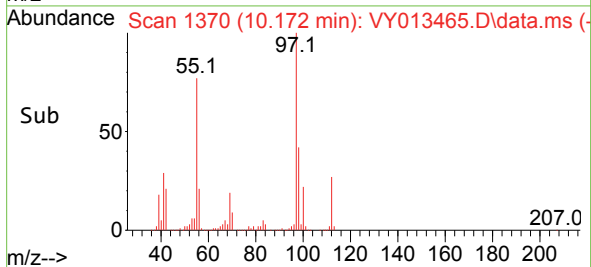
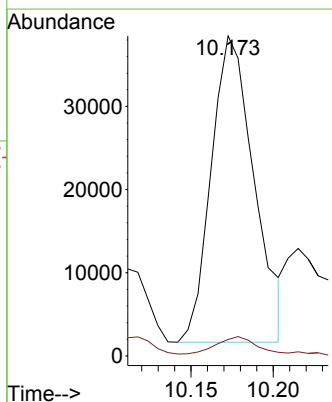
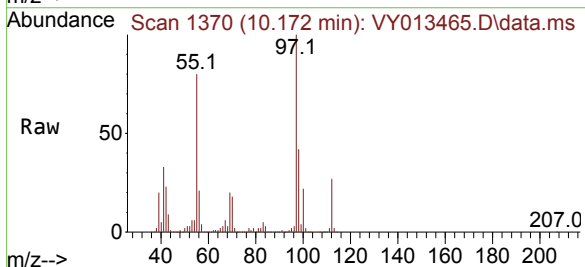
Instrument :
MSVOA_Y
ClientSampleId :
SPA-1WC-23-04

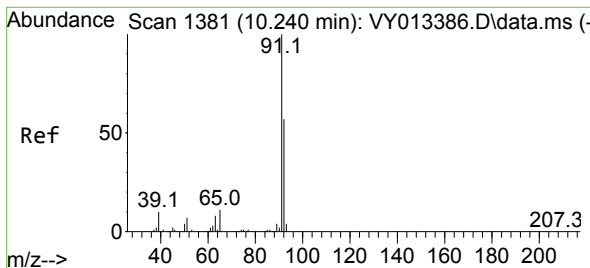
Tgt Ion: 98 Resp: 391276
Ion Ratio Lower Upper
98 100
100 49.6 50.5 75.7#



#51
4-Methyl-2-Pentanone
Concen: 31.855 ug/l
RT: 10.172 min Scan# 1370
Delta R.T. 0.103 min
Lab File: VY013465.D
Acq: 26 Apr 2023 11:59

Tgt Ion: 43 Resp: 66737
Ion Ratio Lower Upper
43 100
58 5.1 30.6 46.0#





#52

Toluene

Concen: 184.424 ug/l

RT: 10.246 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY013465.D

Acq: 26 Apr 2023 11:59

Instrument :

MSVOA_Y

ClientSampleId :

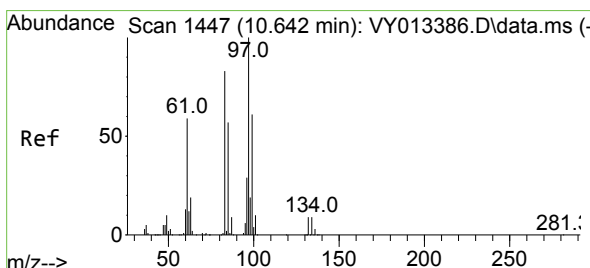
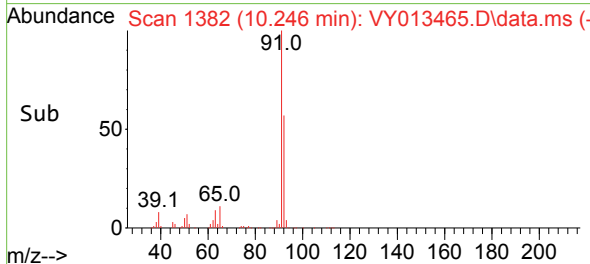
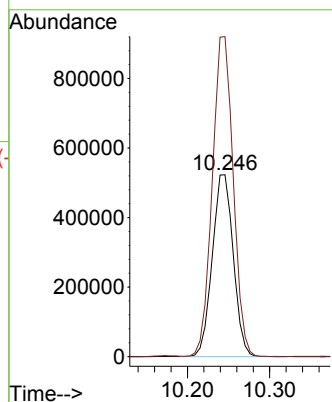
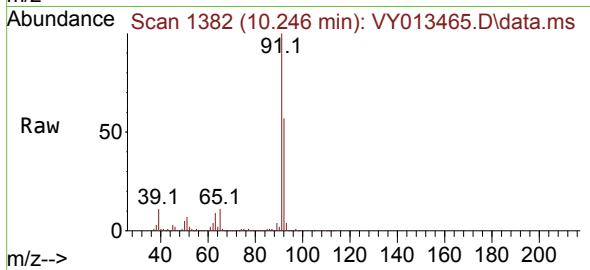
SPA-1WC-23-04

Tgt Ion: 92 Resp: 925298

Ion Ratio Lower Upper

92 100

91 175.9 140.2 210.4



#55

1,1,2-Trichloroethane

Concen: 148.270 ug/l

RT: 10.618 min Scan# 1443

Delta R.T. -0.024 min

Lab File: VY013465.D

Acq: 26 Apr 2023 11:59

Tgt Ion: 97 Resp: 256112

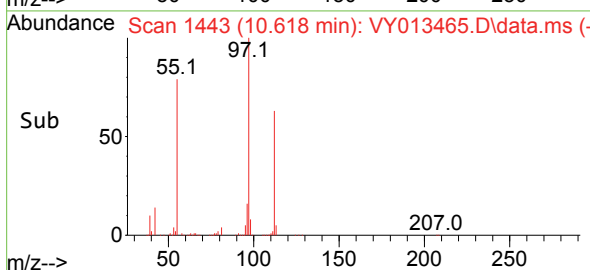
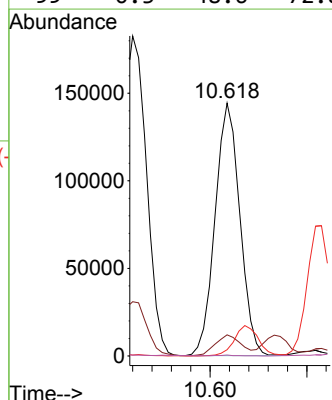
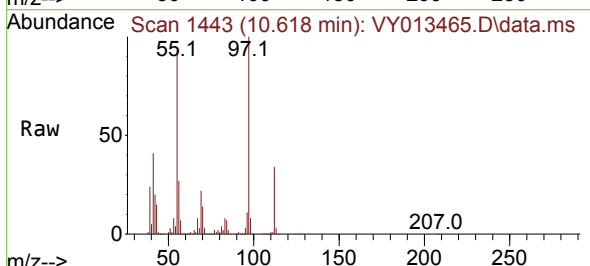
Ion Ratio Lower Upper

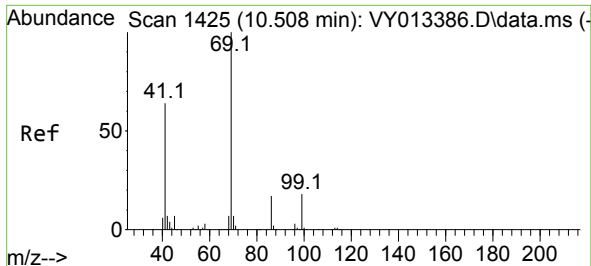
97 100

83 8.2 66.4 99.6#

85 2.4 45.6 68.4#

99 0.3 48.6 72.8#

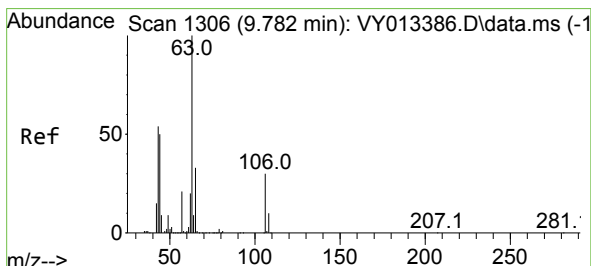
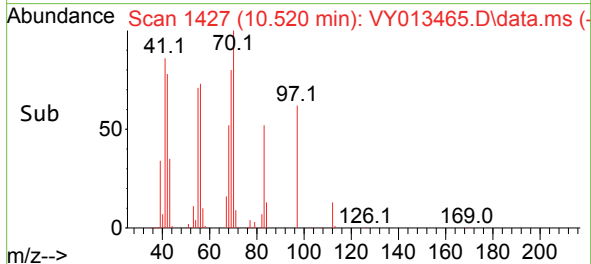
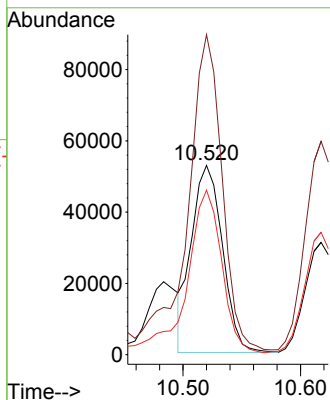
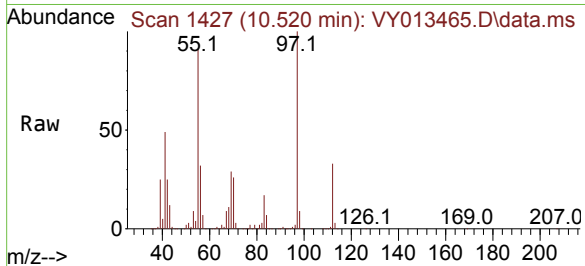




#56
Ethyl methacrylate
Concen: 40.376 ug/l
RT: 10.520 min Scan# 1425
Delta R.T. 0.012 min
Lab File: VY013465.D
Acq: 26 Apr 2023 11:59

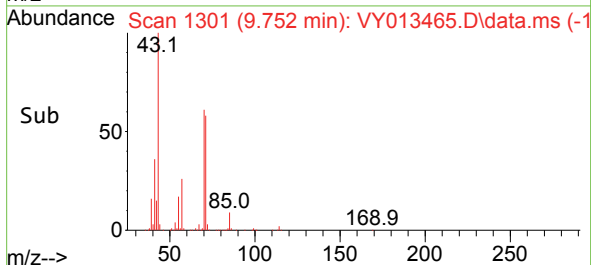
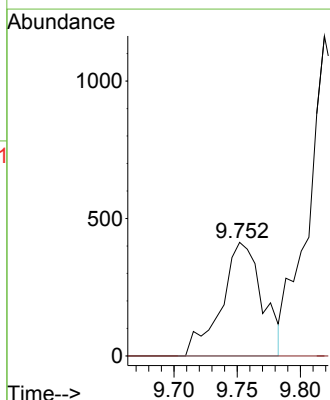
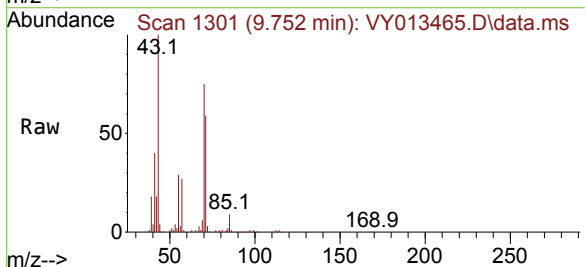
Instrument :
MSVOA_Y
ClientSampleId :
SPA-1WC-23-04

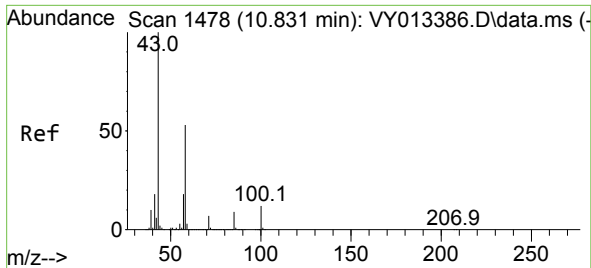
Tgt Ion: 69 Resp: 96759
Ion Ratio Lower Upper
69 100
41 192.4 51.4 77.0#
39 99.5 29.0 43.6#



#58
2-Chloroethyl Vinyl ether
Concen: 1.034 ug/l
RT: 9.752 min Scan# 1301
Delta R.T. -0.030 min
Lab File: VY013465.D
Acq: 26 Apr 2023 11:59

Tgt Ion: 63 Resp: 929
Ion Ratio Lower Upper
63 100
106 0.0 23.5 35.3#

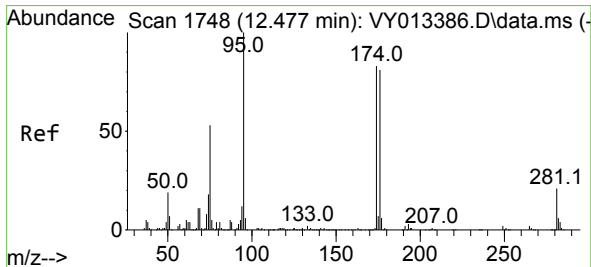
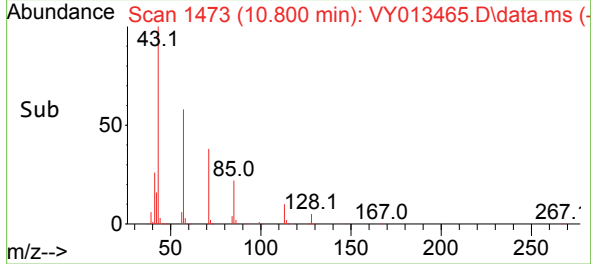
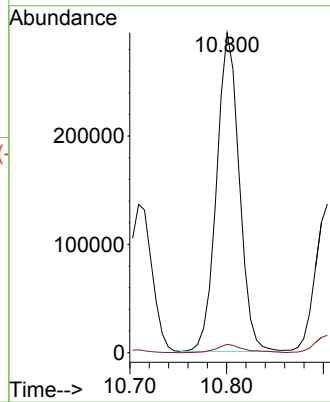
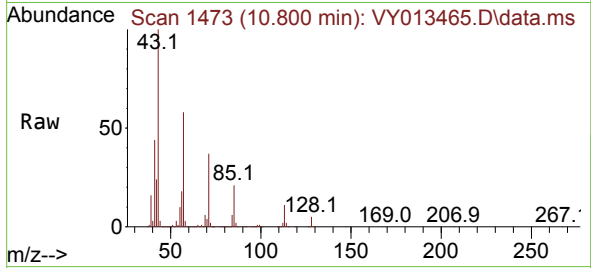




#59
2-Hexanone
Concen: 313.923 ug/l
RT: 10.800 min Scan# 1473
Delta R.T. -0.031 min
Lab File: VY013465.D
Acq: 26 Apr 2023 11:59

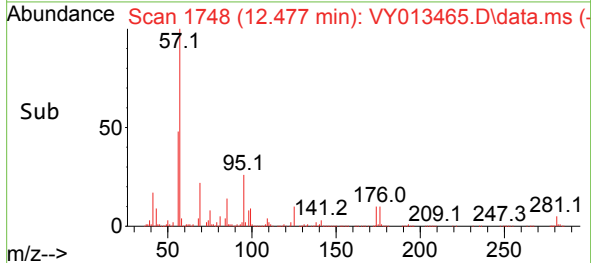
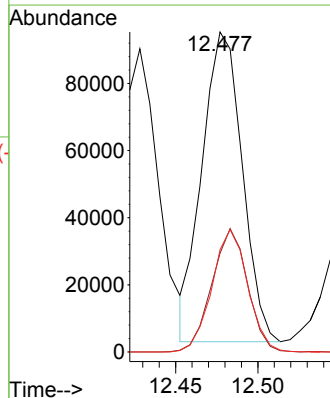
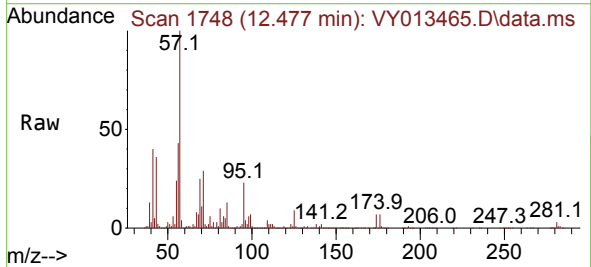
Instrument :
MSVOA_Y
ClientSampleId :
SPA-1WC-23-04

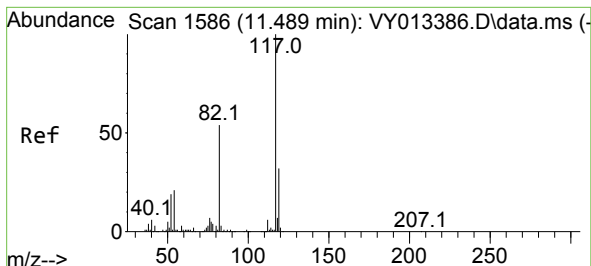
Tgt Ion: 43 Resp: 478072
Ion Ratio Lower Upper
43 100
58 3.2 26.3 78.8#



#62
4-Bromofluorobenzene
Concen: 73.219 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY013465.D
Acq: 26 Apr 2023 11:59

Tgt Ion: 95 Resp: 156602
Ion Ratio Lower Upper
95 100
174 35.3 0.0 182.0
176 35.1 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013465.D

Acq: 26 Apr 2023 11:59

Instrument :

MSVOA_Y

ClientSampleId :

SPA-1WC-23-04

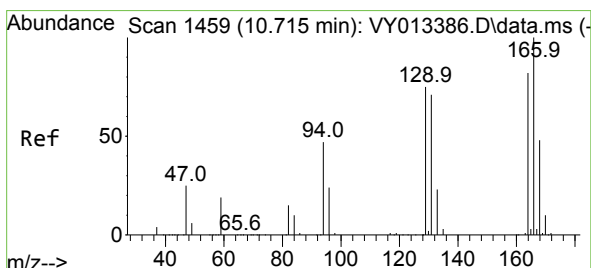
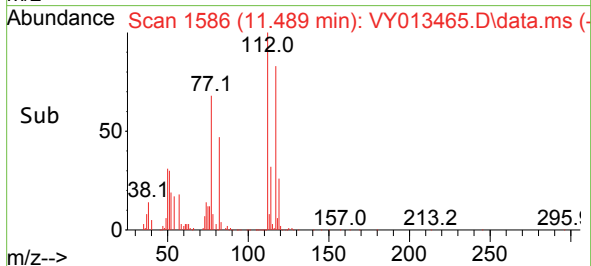
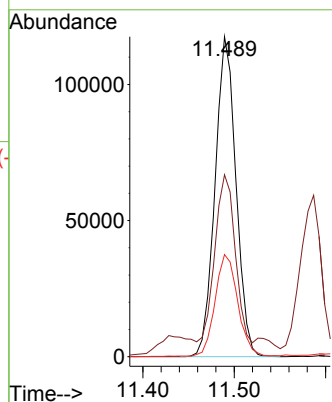
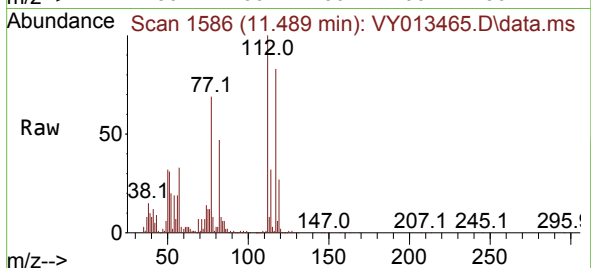
Tgt Ion:117 Resp: 186971

Ion Ratio Lower Upper

117 100

82 54.4 43.0 64.6

119 31.7 25.5 38.3



#64

Tetrachloroethene

Concen: 1.035 ug/l

RT: 10.721 min Scan# 1460

Delta R.T. 0.006 min

Lab File: VY013465.D

Acq: 26 Apr 2023 11:59

Tgt Ion:164 Resp: 1471

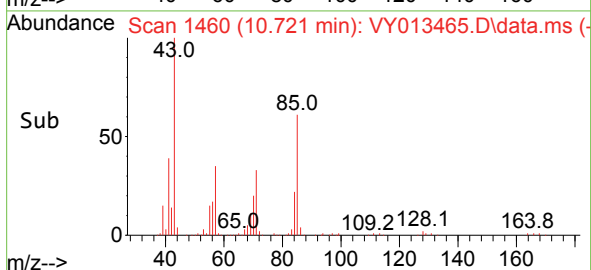
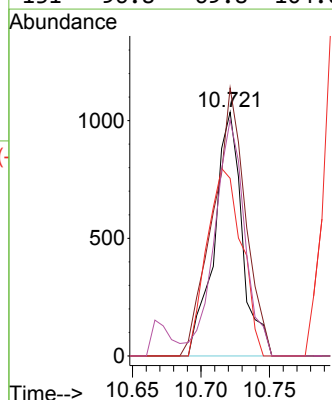
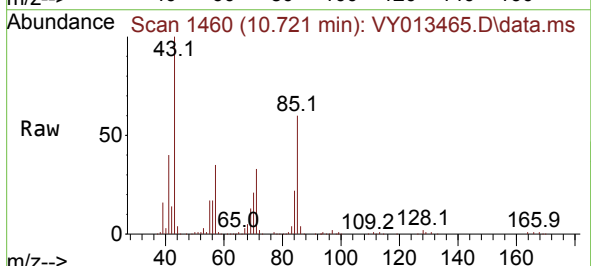
Ion Ratio Lower Upper

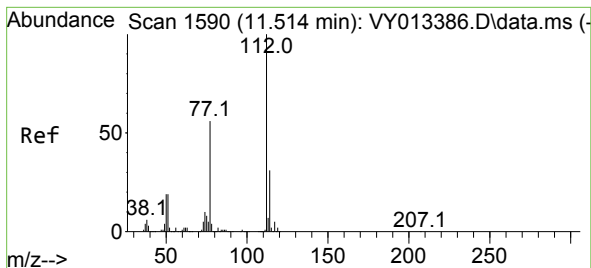
164 100

166 110.0 97.5 146.3

129 72.9 72.6 109.0

131 96.8 69.8 104.6

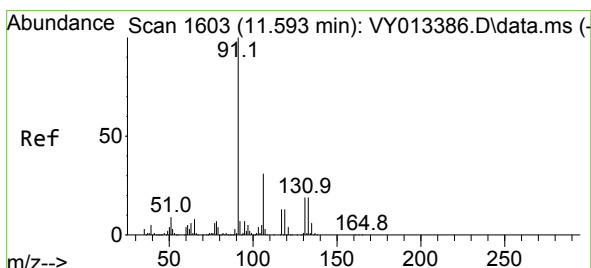
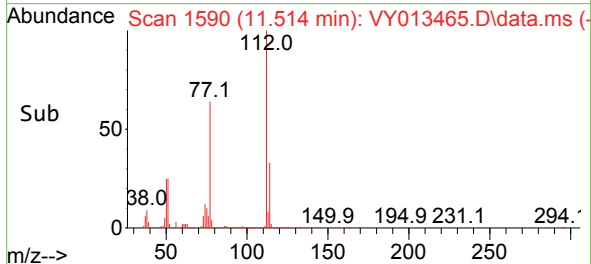
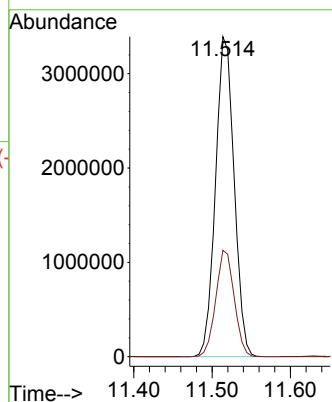
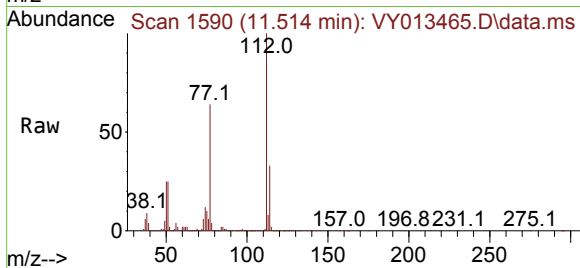




#65
Chlorobenzene
Concen: 1375.717 ug/l
RT: 11.514 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013465.D
Acq: 26 Apr 2023 11:59

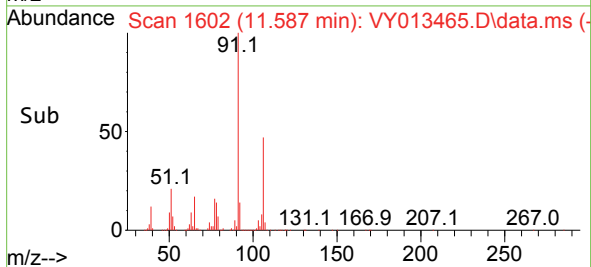
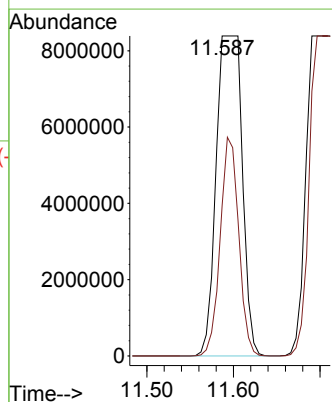
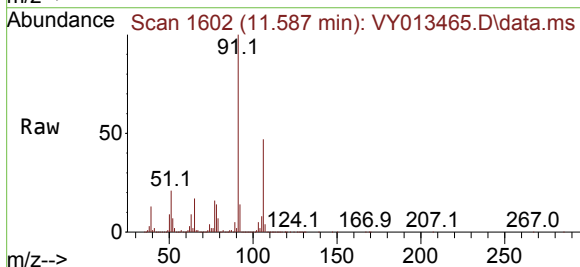
Instrument :
MSVOA_Y
ClientSampleId :
SPA-1WC-23-04

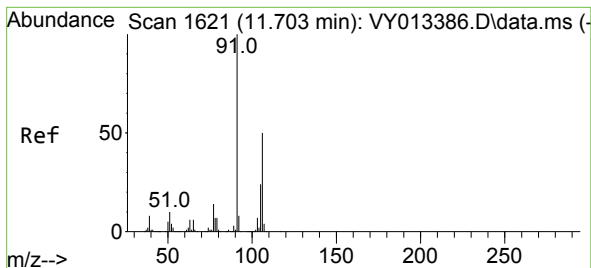
Tgt Ion:112 Resp: 5603219
Ion Ratio Lower Upper
112 100
114 33.2 24.9 37.3



#67
Ethyl Benzene
Concen: 2453.373 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. -0.006 min
Lab File: VY013465.D
Acq: 26 Apr 2023 11:59

Tgt Ion: 91 Resp:17546709
Ion Ratio Lower Upper
91 100
106 47.0 25.1 37.7#

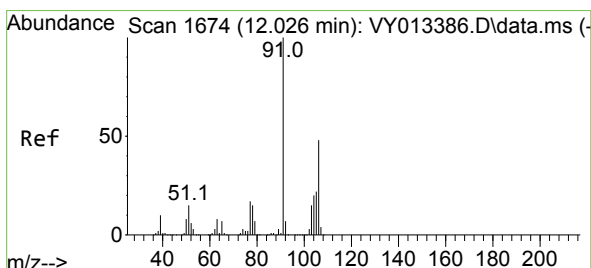
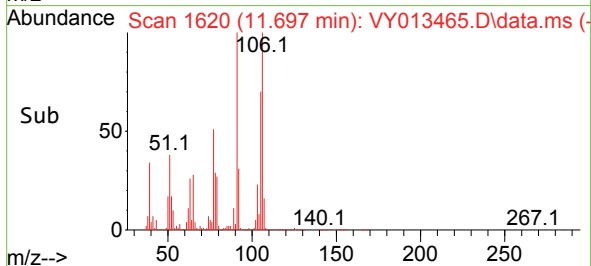
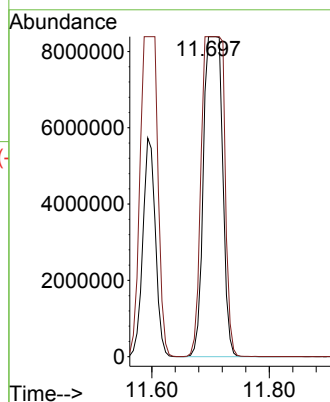
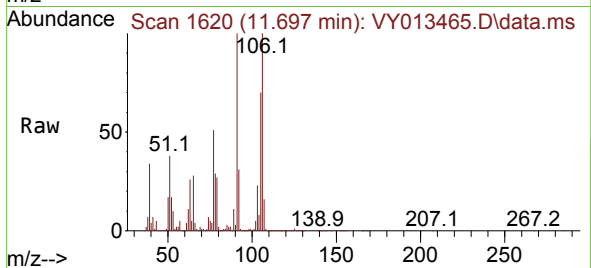




#68
m/p-Xylenes
Concen: 6887.306 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY013465.D
Acq: 26 Apr 2023 11:59

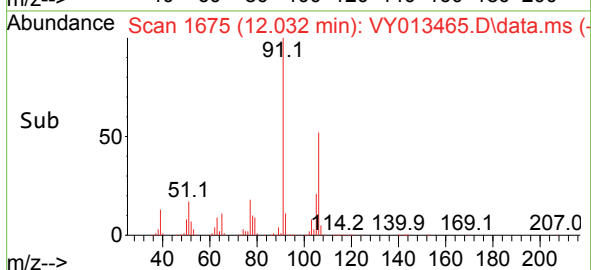
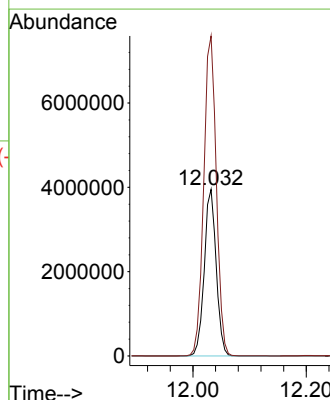
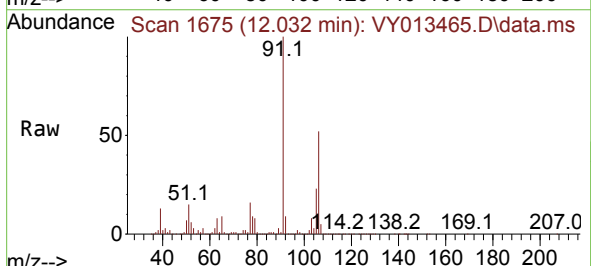
Instrument :
MSVOA_Y
ClientSampleId :
SPA-1WC-23-04

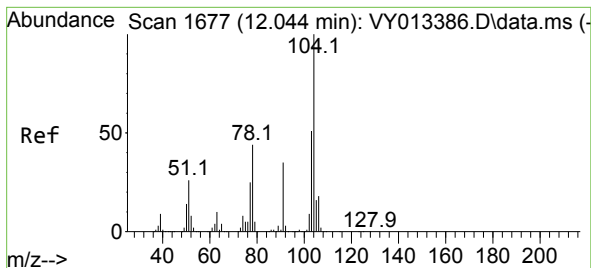
Tgt Ion:106 Resp:18725856
Ion Ratio Lower Upper
106 100
91 0.0 160.9 241.3#



#69
o-Xylene
Concen: 2242.469 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VY013465.D
Acq: 26 Apr 2023 11:59

Tgt Ion:106 Resp: 5766258
Ion Ratio Lower Upper
106 100
91 203.0 105.5 316.4





#70

Styrene

Concen: 76.992 ug/l

RT: 12.032 min Scan# 1

Delta R.T. -0.012 min

Lab File: VY013465.D

Acq: 26 Apr 2023 11:59

Instrument :

MSVOA_Y

ClientSampleId :

SPA-1WC-23-04

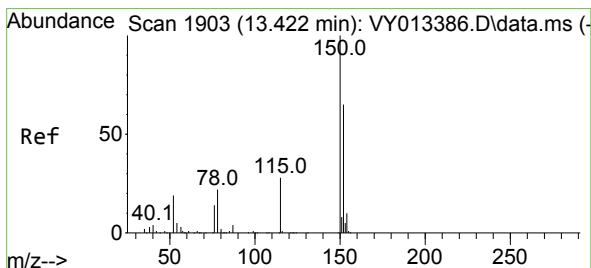
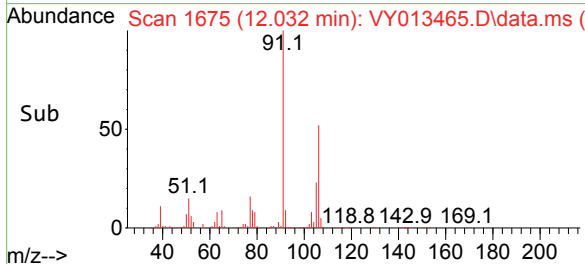
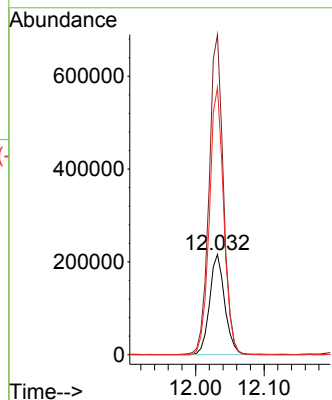
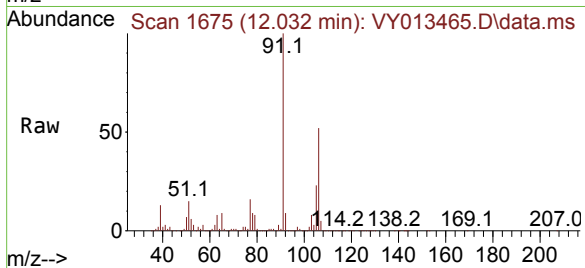
Tgt Ion:104 Resp: 331024

Ion Ratio Lower Upper

104 100

78 303.3 40.3 60.5#

103 253.3 45.0 67.4#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY013465.D

Acq: 26 Apr 2023 11:59

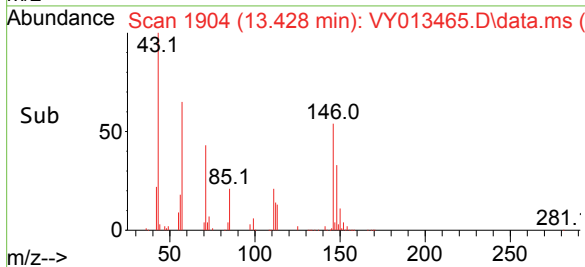
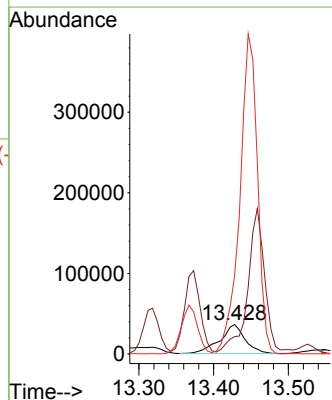
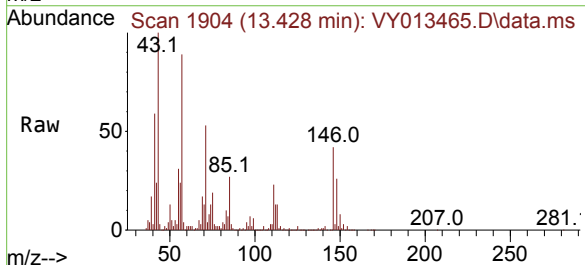
Tgt Ion:152 Resp: 84024

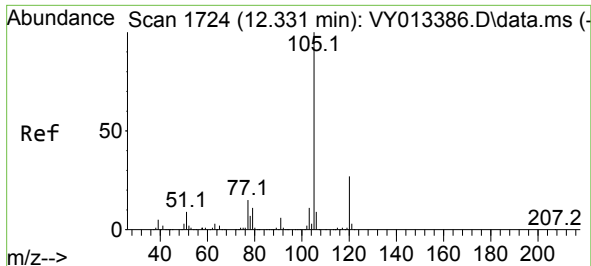
Ion Ratio Lower Upper

152 100

115 0.0 28.1 84.2#

150 0.0 0.0 352.0

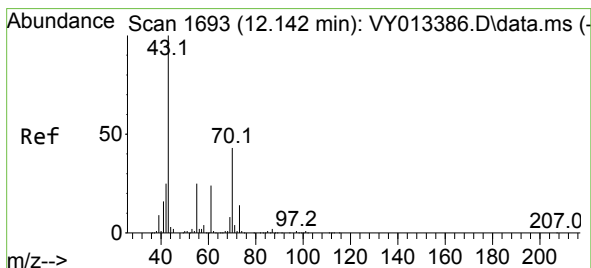
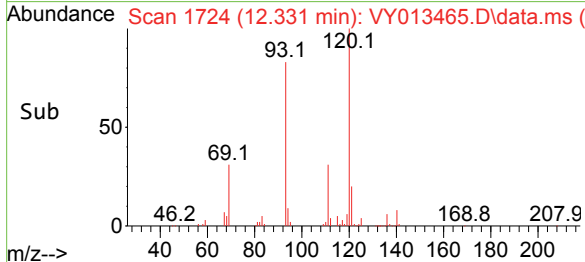
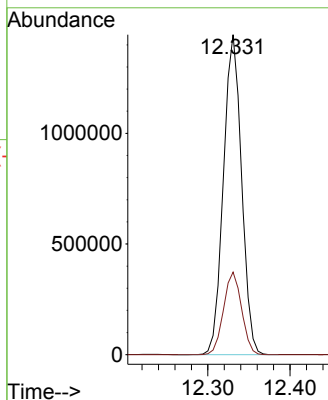
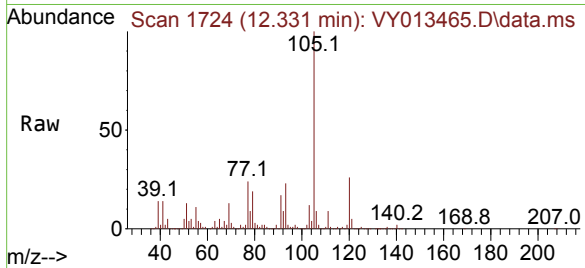




#73
Isopropylbenzene
Concen: 348.145 ug/l
RT: 12.331 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013465.D
Acq: 26 Apr 2023 11:59

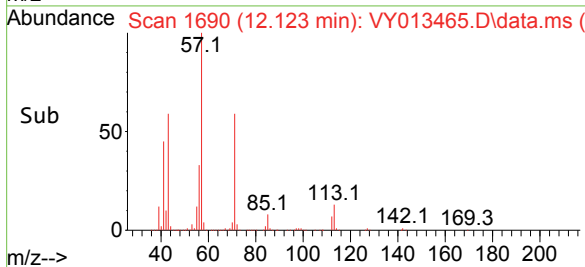
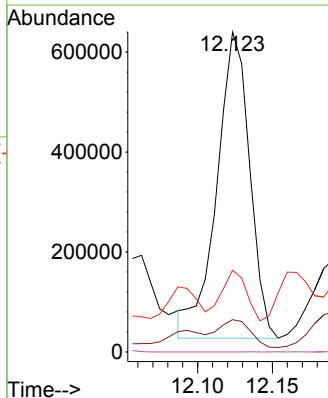
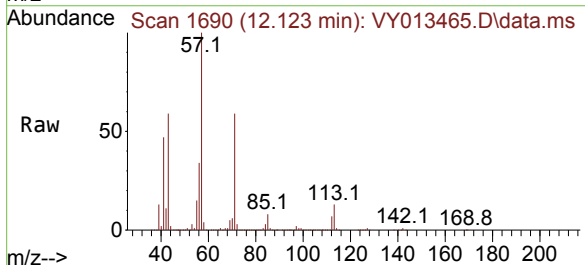
Instrument :
MSVOA_Y
ClientSampleId :
SPA-1WC-23-04

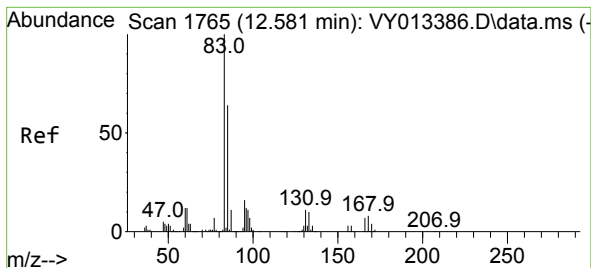
Tgt Ion:105 Resp: 2212554
Ion Ratio Lower Upper
105 100
120 25.7 13.7 41.0



#74
N-ethyl acetate
Concen: 414.760 ug/l
RT: 12.123 min Scan# 1690
Delta R.T. -0.019 min
Lab File: VY013465.D
Acq: 26 Apr 2023 11:59

Tgt Ion: 43 Resp: 938016
Ion Ratio Lower Upper
43 100
70 8.9 33.0 49.4#
55 12.4 19.8 29.6#
61 0.0 19.1 28.7#





#75

1,1,2,2-Tetrachloroethane

Concen: 46.134 ug/l

RT: 12.526 min Scan# 1756

Delta R.T. -0.055 min

Lab File: VY013465.D

Acq: 26 Apr 2023 11:59

Instrument :

MSVOA_Y

ClientSampleId :

SPA-1WC-23-04

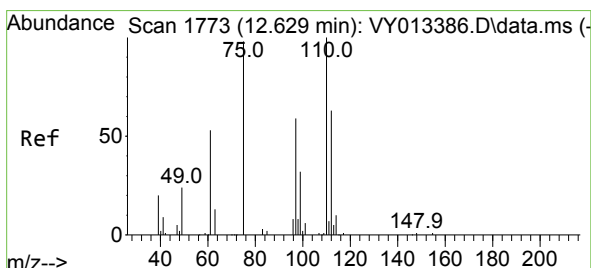
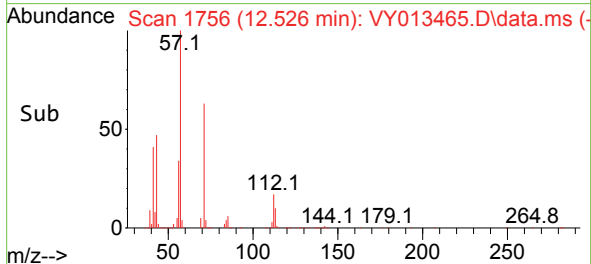
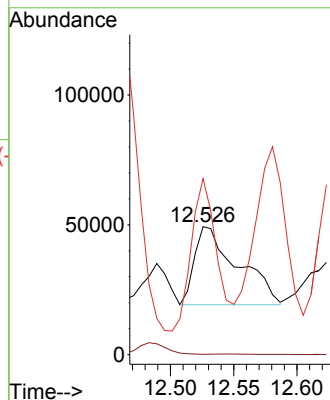
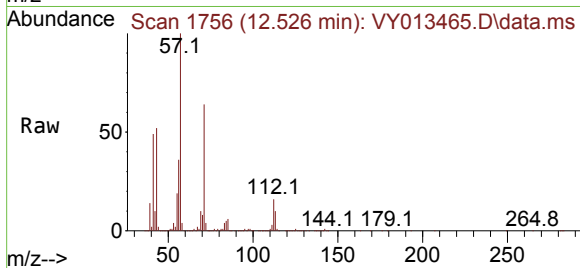
Tgt Ion: 83 Resp: 71664

Ion Ratio Lower Upper

83 100

131 0.4 5.7 17.0#

85 114.7 31.8 95.4#



#76

1,2,3-Trichloropropane

Concen: 24.917 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.043 min

Lab File: VY013465.D

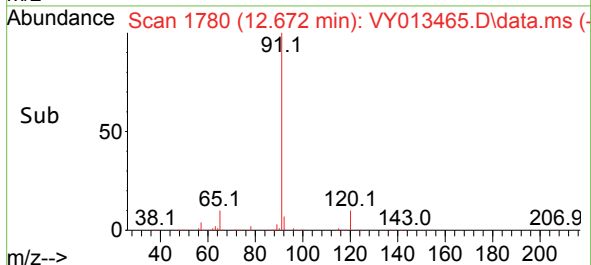
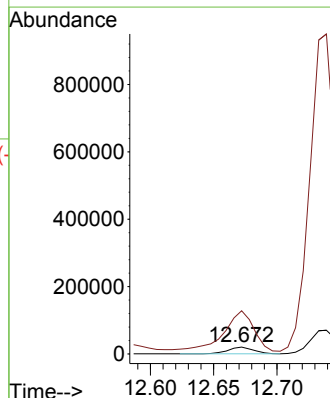
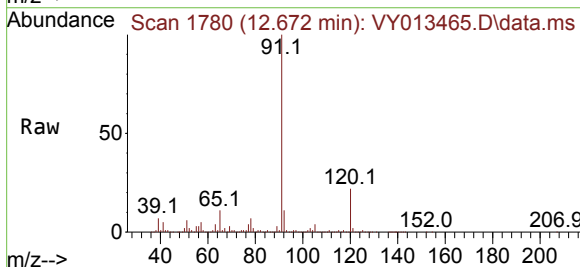
Acq: 26 Apr 2023 11:59

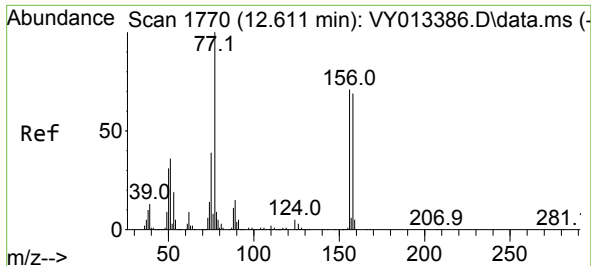
Tgt Ion: 75 Resp: 28235

Ion Ratio Lower Upper

75 100

77 696.9 0.0 0.0#

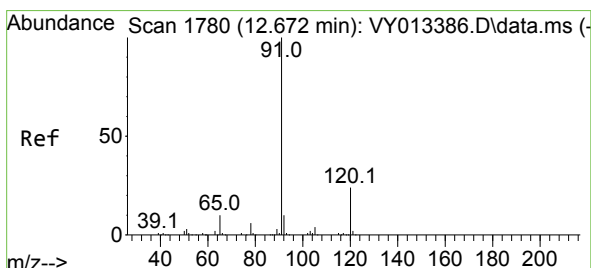
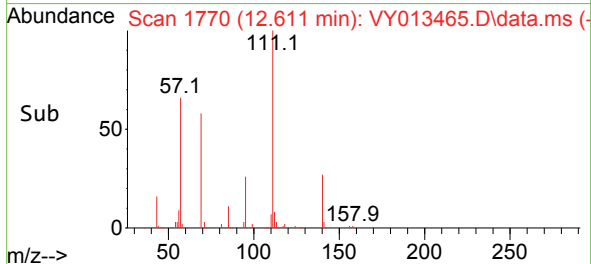
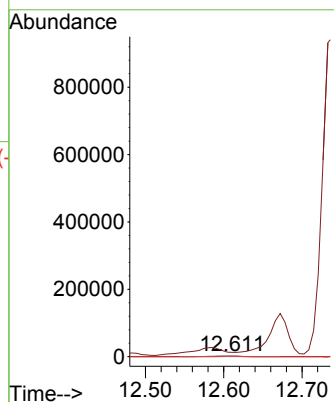
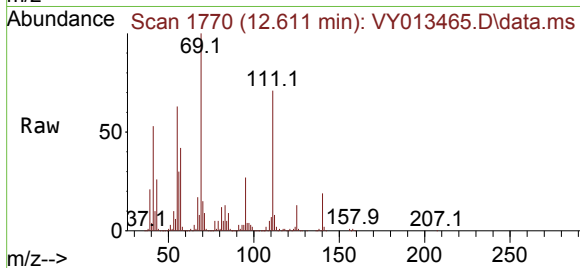




#77
Bromobenzene
Concen: 2.888 ug/l
RT: 12.611 min Scan# 1770
Delta R.T. 0.000 min
Lab File: VY013465.D
Acq: 26 Apr 2023 11:59

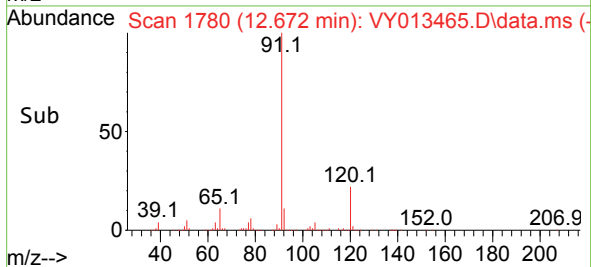
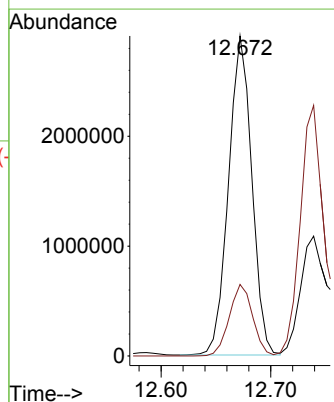
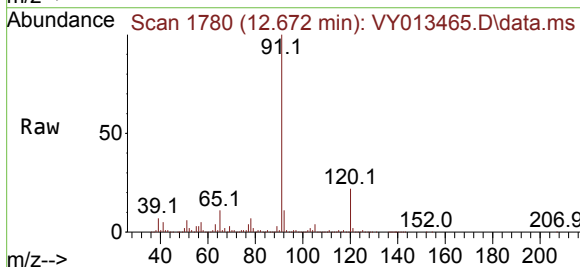
Instrument :
MSVOA_Y
ClientSampleId :
SPA-1WC-23-04

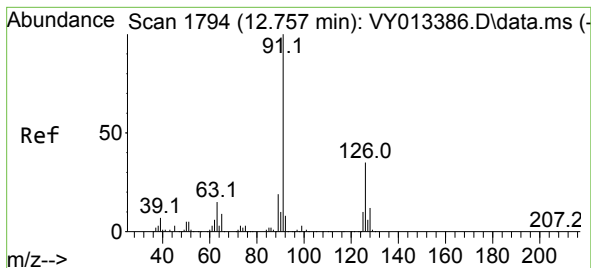
Tgt Ion:156 Resp: 4447
Ion Ratio Lower Upper
156 100
77 0.0 87.6 262.9#
158 56.1 48.5 145.5



#78
n-propylbenzene
Concen: 548.718 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY013465.D
Acq: 26 Apr 2023 11:59

Tgt Ion: 91 Resp: 4295347
Ion Ratio Lower Upper
91 100
120 22.4 11.9 35.9





#79

2-Chlorotoluene

Concen: 527.645 ug/l

RT: 12.739 min Scan# 1

Delta R.T. -0.018 min

Lab File: VY013465.D

Acq: 26 Apr 2023 11:59

Instrument :

MSVOA_Y

ClientSampleId :

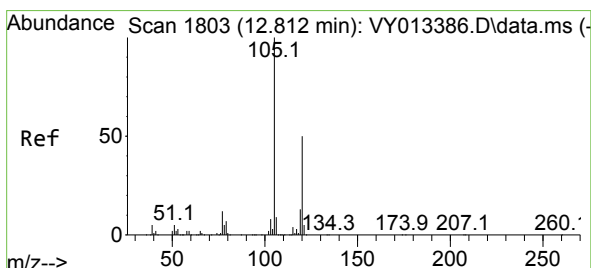
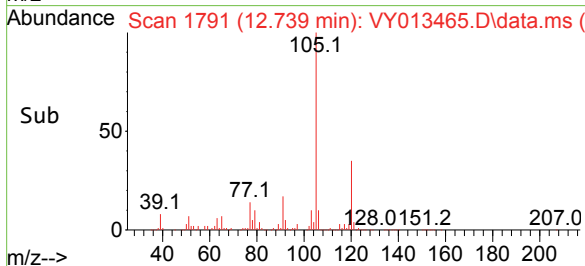
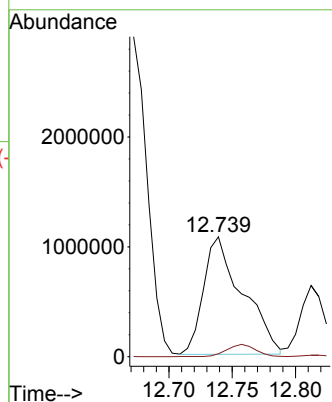
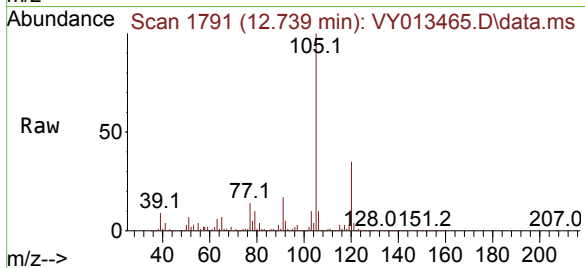
SPA-1WC-23-04

Tgt Ion: 91 Resp: 2306534

Ion Ratio Lower Upper

91 100

126 7.7 17.8 53.4#



#80

1,3,5-Trimethylbenzene

Concen: 1289.828 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY013465.D

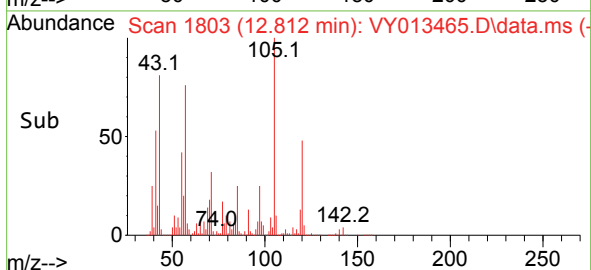
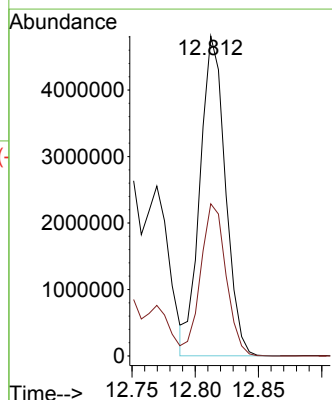
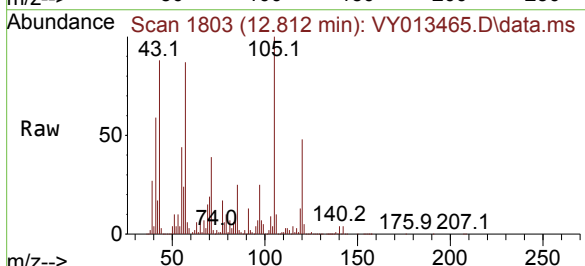
Acq: 26 Apr 2023 11:59

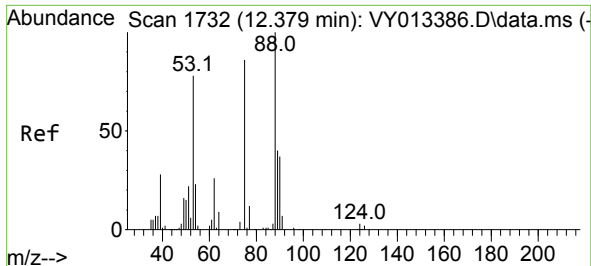
Tgt Ion:105 Resp: 6690525

Ion Ratio Lower Upper

105 100

120 47.9 24.7 74.1

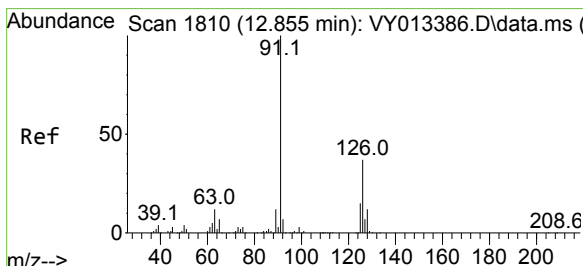
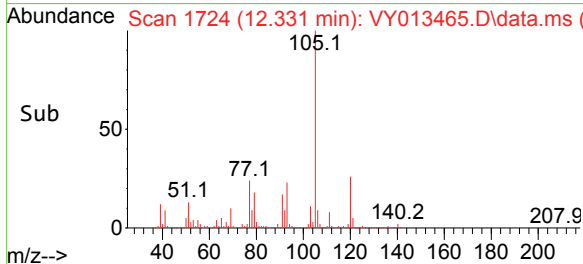
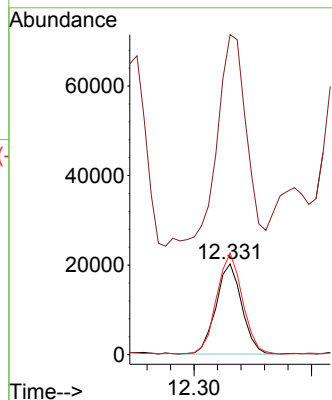
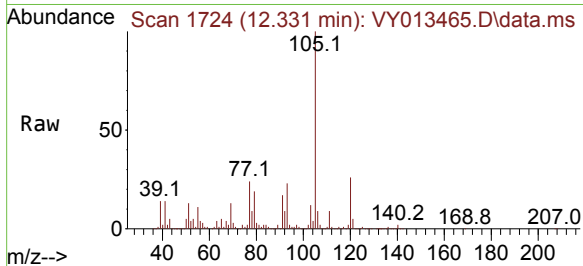




#81
trans-1,4-Dichloro-2-butene
Concen: 55.428 ug/l
RT: 12.331 min Scan# 1
Delta R.T. -0.048 min
Lab File: VY013465.D
Acq: 26 Apr 2023 11:59

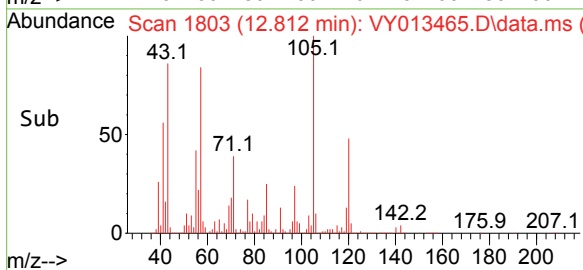
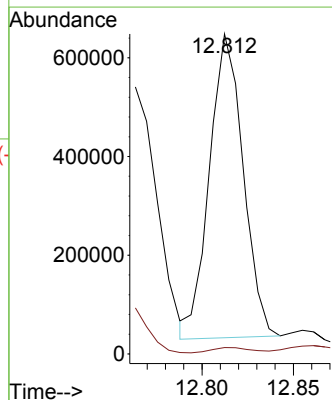
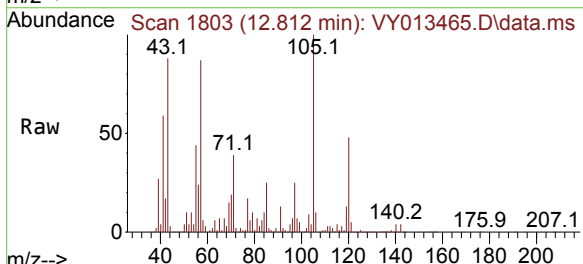
Instrument :
MSVOA_Y
ClientSampleId :
SPA-1WC-23-04

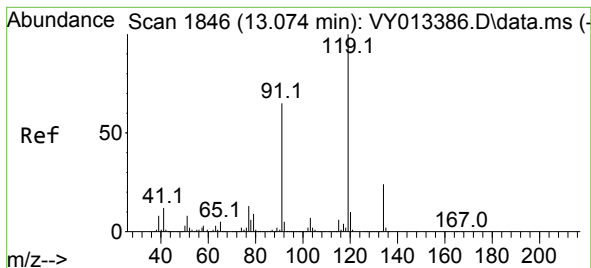
Tgt Ion: 75 Resp: 30705
Ion Ratio Lower Upper
75 100
53 257.2 73.2 109.8#
89 111.8 38.0 57.0#



#82
4-Chlorotoluene
Concen: 173.390 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.043 min
Lab File: VY013465.D
Acq: 26 Apr 2023 11:59

Tgt Ion: 91 Resp: 789999
Ion Ratio Lower Upper
91 100
126 2.1 17.9 53.8#

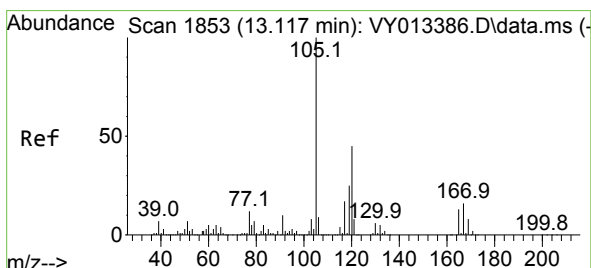
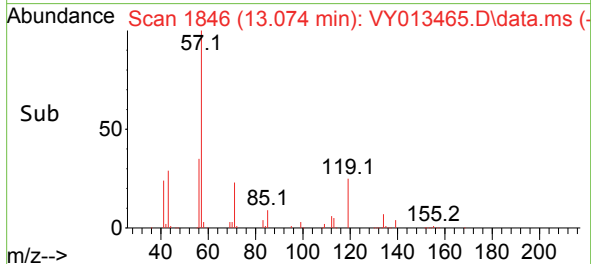
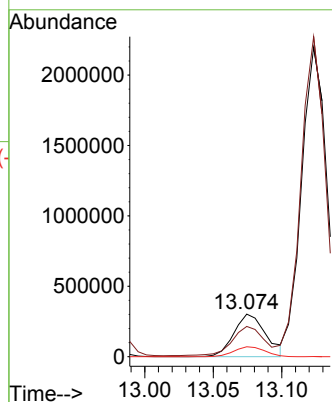
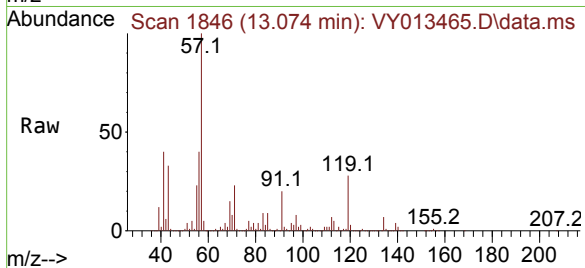




#83
 tert-Butylbenzene
 Concen: 108.761 ug/l
 RT: 13.074 min Scan# 119
 Delta R.T. 0.000 min
 Lab File: VY013465.D
 Acq: 26 Apr 2023 11:59

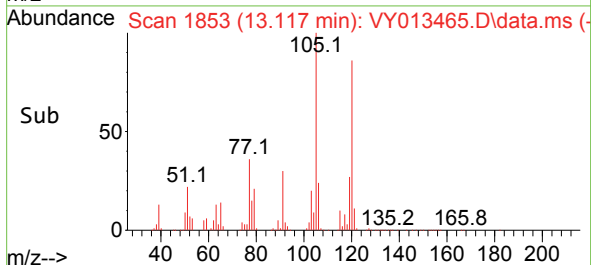
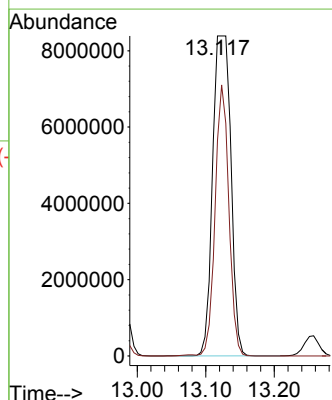
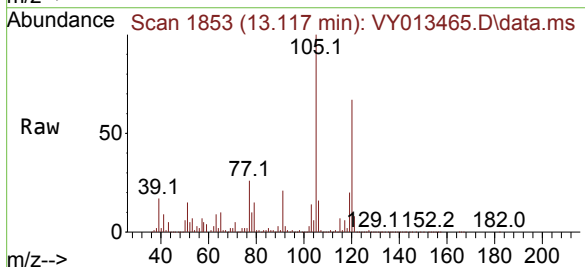
Instrument :
 MSVOA_Y
 ClientSampleId :
 SPA-1WC-23-04

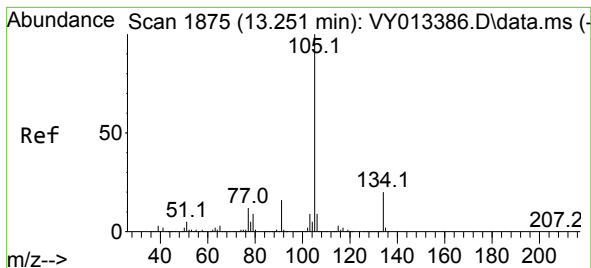
Tgt Ion:119 Resp: 488769
 Ion Ratio Lower Upper
 119 100
 91 66.1 32.2 96.6
 134 23.2 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 3069.472 ug/l
 RT: 13.117 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VY013465.D
 Acq: 26 Apr 2023 11:59

Tgt Ion:105 Resp:15479758
 Ion Ratio Lower Upper
 105 100
 120 63.9 22.3 66.9





#85

sec-Butylbenzene

Concen: 119.653 ug/l

RT: 13.257 min Scan# 1875

Delta R.T. 0.006 min

Lab File: VY013465.D

Acq: 26 Apr 2023 11:59

Instrument :

MSVOA_Y

ClientSampleId :

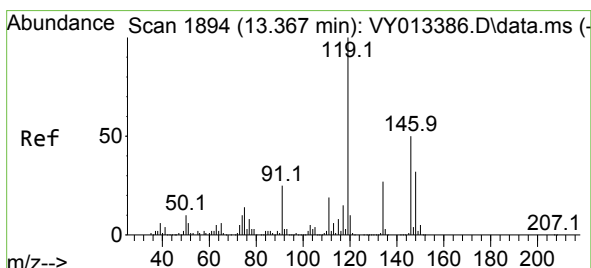
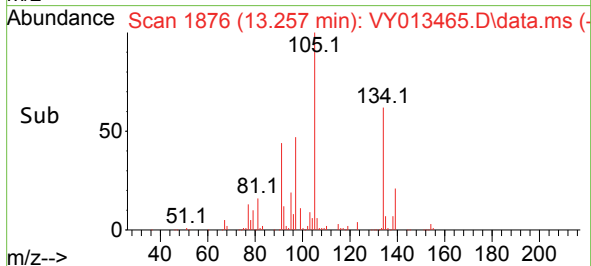
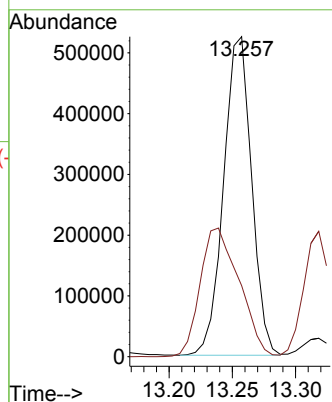
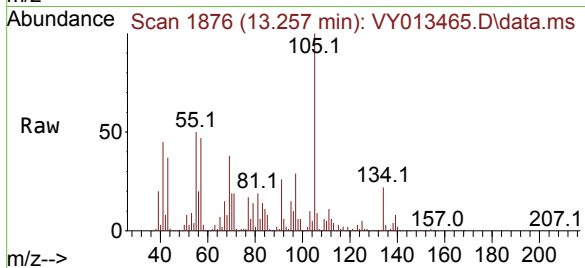
SPA-1WC-23-04

Tgt Ion:105 Resp: 807014

Ion Ratio Lower Upper

105 100

134 56.4 10.3 30.9#



#86

p-Isopropyltoluene

Concen: 352.023 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.006 min

Lab File: VY013465.D

Acq: 26 Apr 2023 11:59

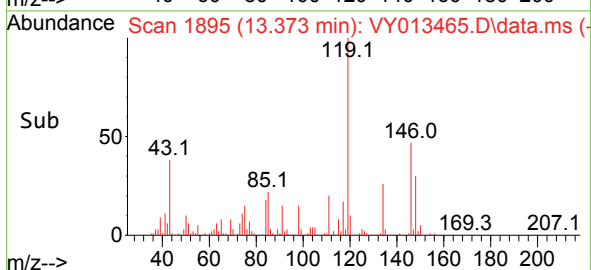
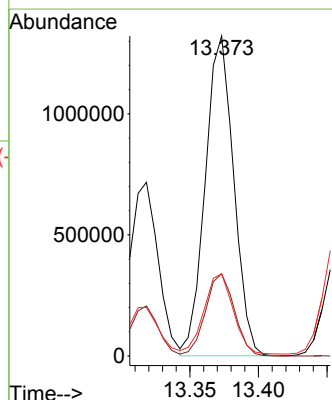
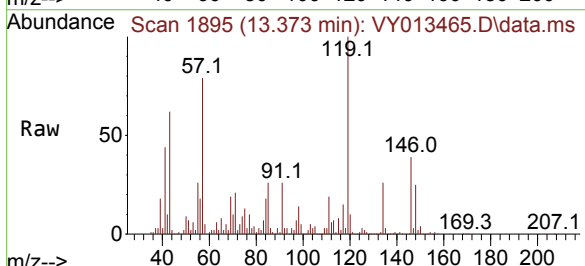
Tgt Ion:119 Resp: 1909317

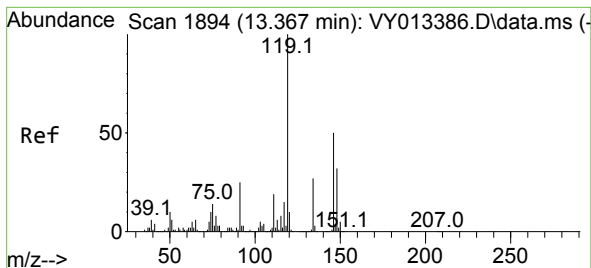
Ion Ratio Lower Upper

119 100

134 25.9 13.4 40.2

91 25.6 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 310.981 ug/l

RT: 13.367 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013465.D

Acq: 26 Apr 2023 11:59

Instrument :

MSVOA_Y

ClientSampleId :

SPA-1WC-23-04

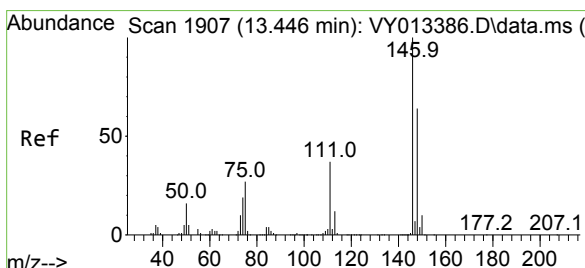
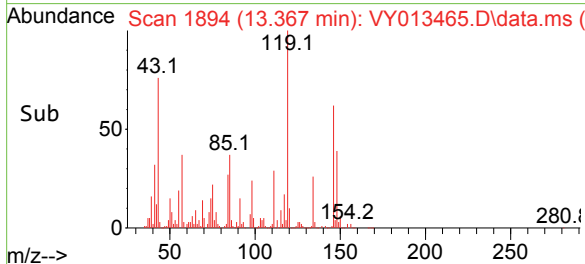
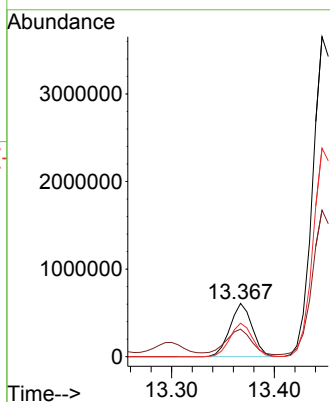
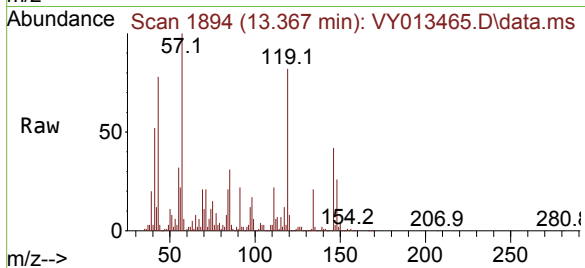
Tgt Ion:146 Resp: 912352

Ion Ratio Lower Upper

146 100

111 53.8 19.3 57.9

148 63.6 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 1856.715 ug/l

RT: 13.446 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY013465.D

Acq: 26 Apr 2023 11:59

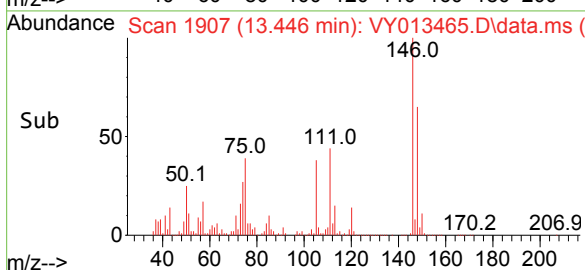
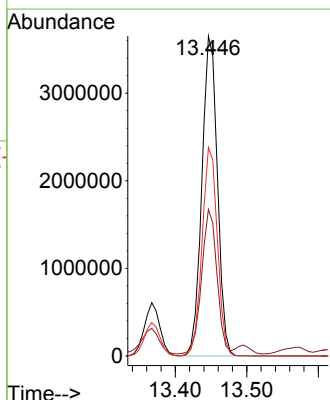
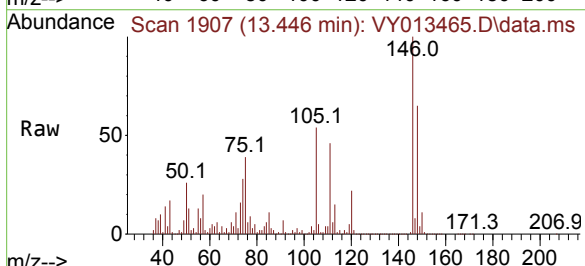
Tgt Ion:146 Resp: 5502527

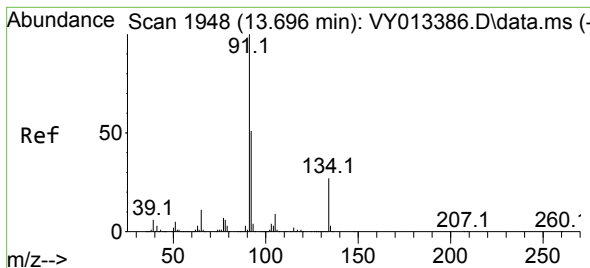
Ion Ratio Lower Upper

146 100

111 44.4 18.9 56.5

148 64.5 31.9 95.5





#89

n-Butylbenzene

Concen: 214.211 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY013465.D

Acq: 26 Apr 2023 11:59

Instrument :

MSVOA_Y

ClientSampleId :

SPA-1WC-23-04

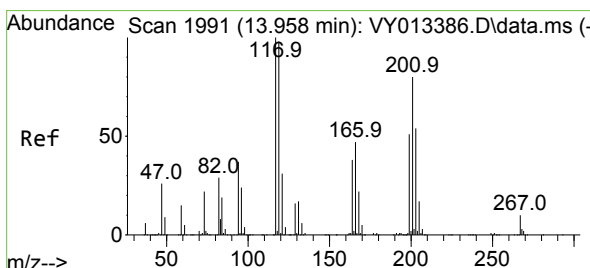
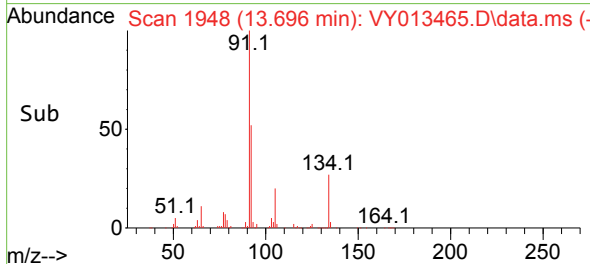
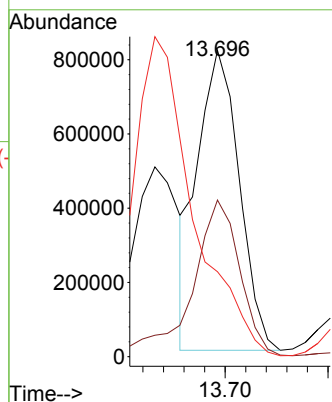
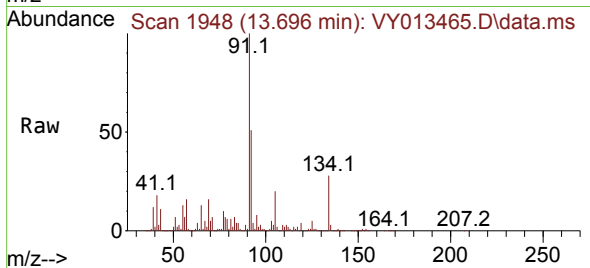
Tgt Ion: 91 Resp: 1133977

Ion Ratio Lower Upper

91 100

92 59.2 25.8 77.3

134 0.0 13.5 40.4#



#90

Hexachloroethane

Concen: 322.672 ug/l

RT: 13.971 min Scan# 1993

Delta R.T. 0.013 min

Lab File: VY013465.D

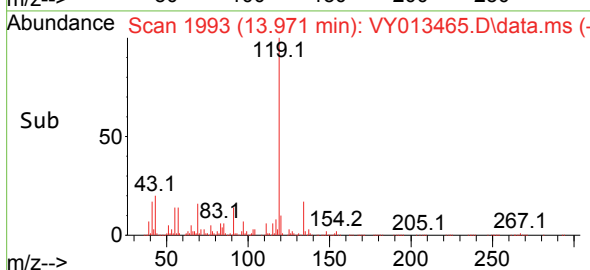
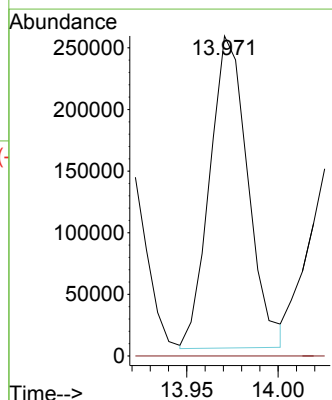
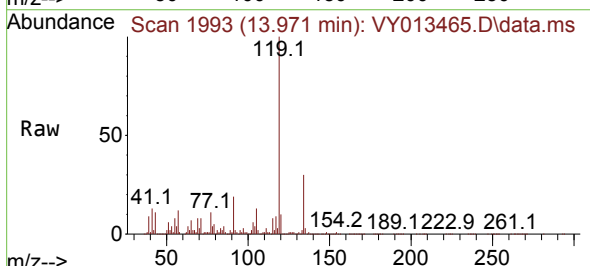
Acq: 26 Apr 2023 11:59

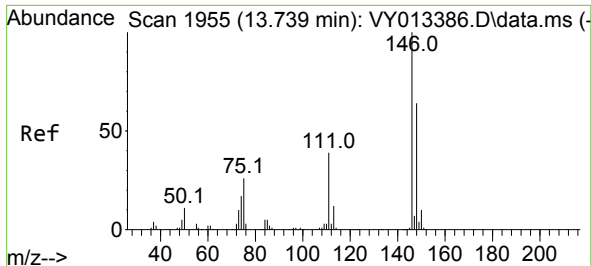
Tgt Ion: 117 Resp: 368340

Ion Ratio Lower Upper

117 100

201 0.0 41.6 124.8#

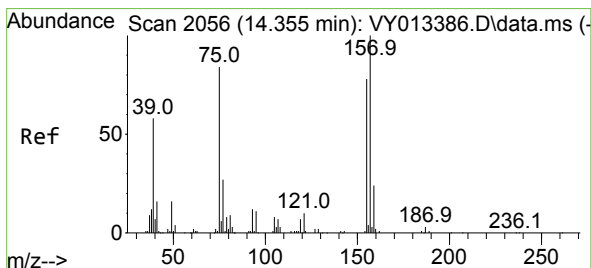
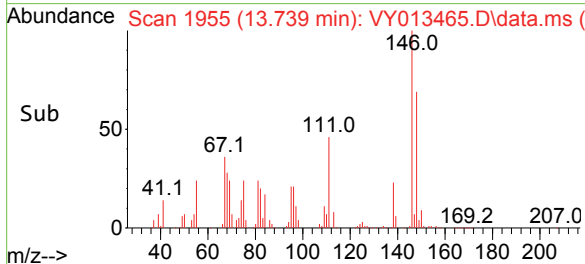
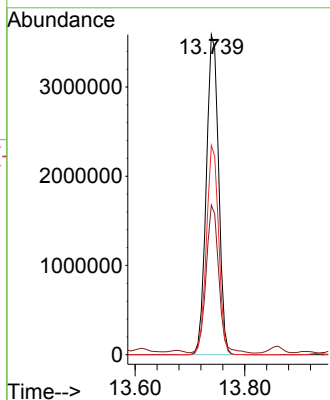
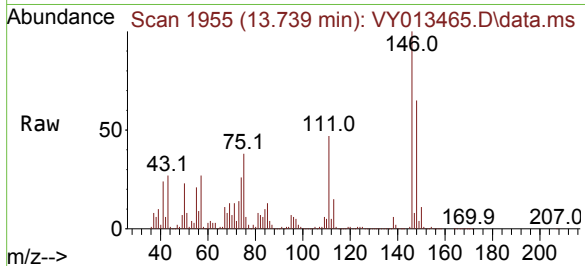




#91
1,2-Dichlorobenzene
Concen: 2101.889 ug/l
RT: 13.739 min Scan# 1955
Delta R.T. -0.000 min
Lab File: VY013465.D
Acq: 26 Apr 2023 11:59

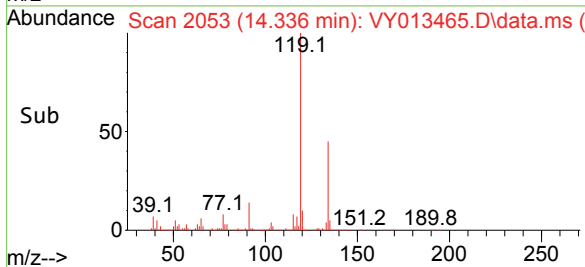
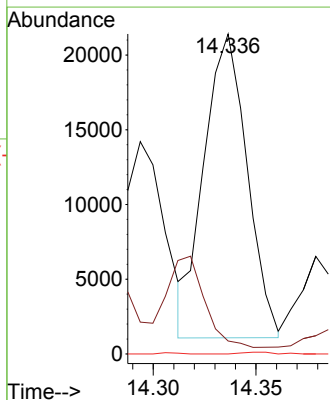
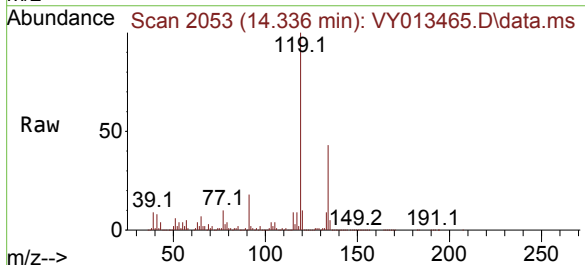
Instrument :
MSVOA_Y
ClientSampleId :
SPA-1WC-23-04

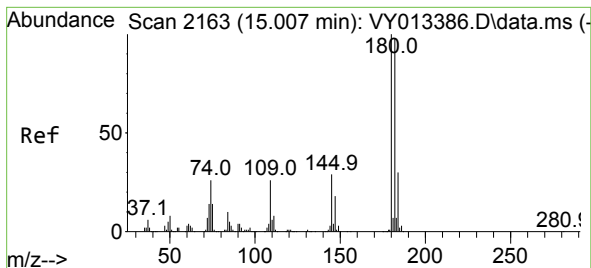
Tgt Ion:146 Resp: 5568516
Ion Ratio Lower Upper
146 100
111 47.6 19.8 59.4
148 64.7 31.8 95.4



#92
1,2-Dibromo-3-Chloropropane
Concen: 107.568 ug/l
RT: 14.336 min Scan# 2053
Delta R.T. -0.019 min
Lab File: VY013465.D
Acq: 26 Apr 2023 11:59

Tgt Ion: 75 Resp: 29511
Ion Ratio Lower Upper
75 100
155 0.0 44.6 134.0#
157 0.4 57.6 172.7#





#93

1,2,4-Trichlorobenzene

Concen: 498.915 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY013465.D

Acq: 26 Apr 2023 11:59

Instrument :

MSVOA_Y

ClientSampleId :

SPA-1WC-23-04

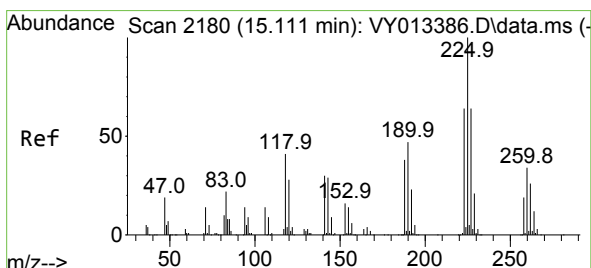
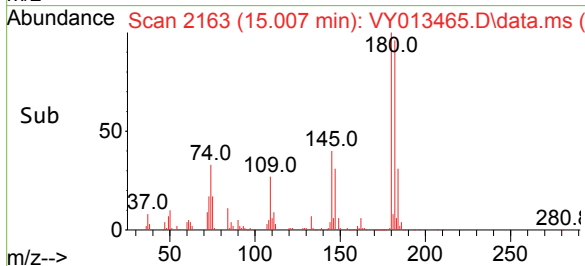
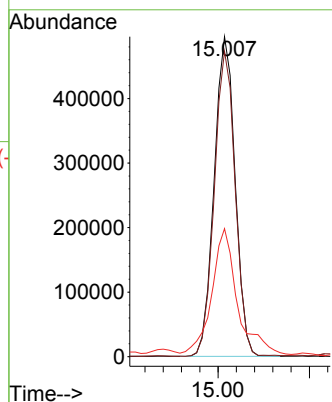
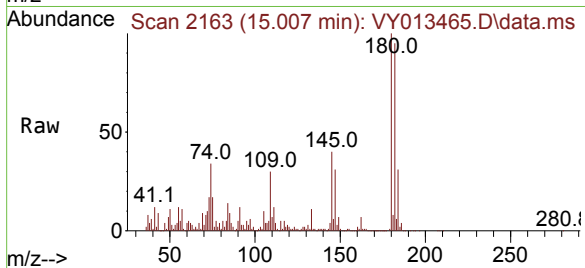
Tgt Ion:180 Resp: 788050

Ion Ratio Lower Upper

180 100

182 95.2 48.5 145.5

145 48.5 15.0 45.0#



#94

Hexachlorobutadiene

Concen: 6.528 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. -0.000 min

Lab File: VY013465.D

Acq: 26 Apr 2023 11:59

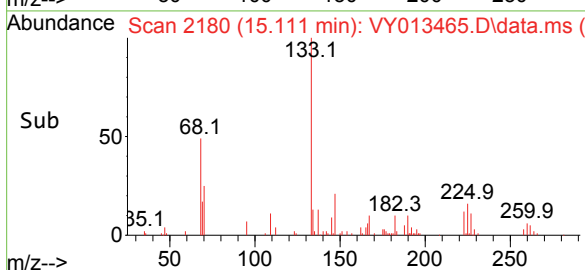
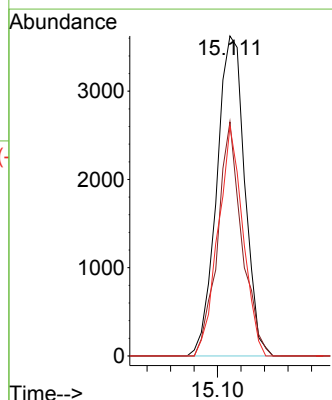
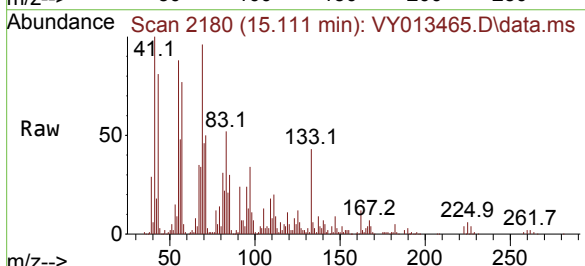
Tgt Ion:225 Resp: 6001

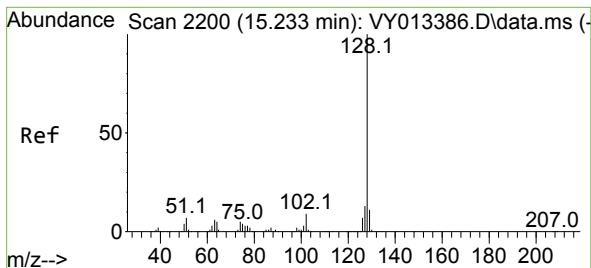
Ion Ratio Lower Upper

225 100

223 63.7 31.4 94.2

227 63.9 32.0 96.0





#95

Naphthalene

Concen: 1052.660 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY013465.D

Acq: 26 Apr 2023 11:59

Instrument :

MSVOA_Y

ClientSampleId :

SPA-1WC-23-04

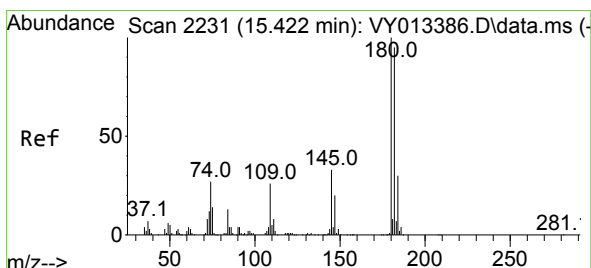
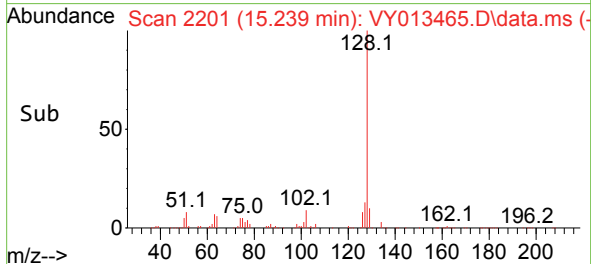
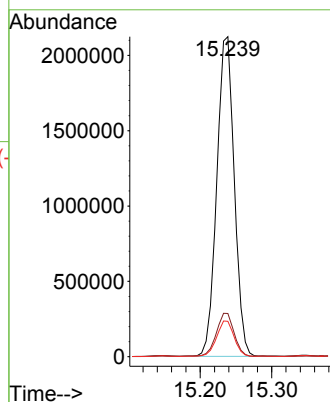
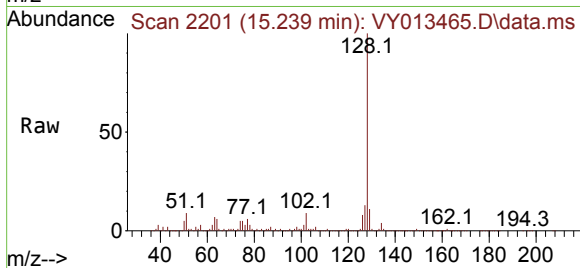
Tgt Ion:128 Resp: 3607586

Ion Ratio Lower Upper

128 100

127 13.6 10.7 16.1

129 11.2 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 108.260 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. -0.000 min

Lab File: VY013465.D

Acq: 26 Apr 2023 11:59

Tgt Ion:180 Resp: 152411

Ion Ratio Lower Upper

180 100

182 91.6 47.1 141.3

145 71.7 15.9 47.7#

