

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014282.D
 Acq On : 20 Jun 2023 14:45
 Operator : KP/MD
 Sample : 03256-26
 Misc : 8.29g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-TP6-3-4-10E

Quant Time: Jun 21 02:07:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

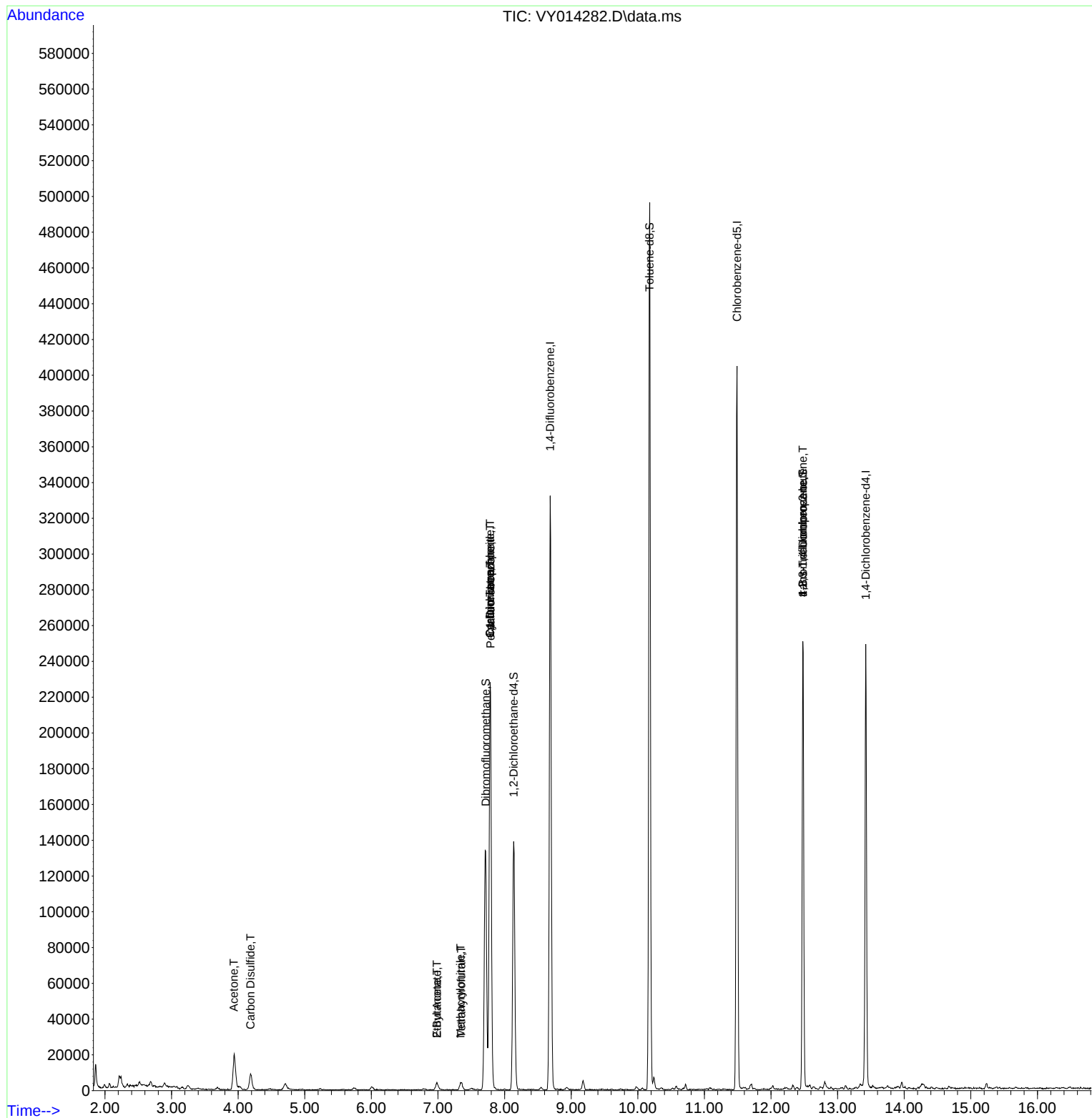
Internal Standards						
1) Pentafluorobenzene	7.789	168	177202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	275185	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	216380	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	62113	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	116895	47.373	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.740%		
35) Dibromofluoromethane	7.716	113	91918	47.100	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.200%		
50) Toluene-d8	10.179	98	321788	44.104	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	88.200%		
62) 4-Bromofluorobenzene	12.477	95	71995	27.778	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	55.560%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.954	59	624	Below Cal	#	89
13) Acrolein	3.716	56	19	Below Cal	#	14
16) Acetone	3.936	43	34186	45.961	ug/l	99
17) Carbon Disulfide	4.186	76	15898	2.425	ug/l	98
20) Methylene Chloride	4.710	84	2286	Below Cal	#	80
25) 2-Butanone	6.984	43	5571	6.085	ug/l	90
29) Tetrahydrofuran	7.350	42	3285	5.658	ug/l	94
31) Cyclohexane	7.783	56	4839	1.464	ug/l #	23
36) 1,1-Dichloropropene	7.783	75	12715	4.179	ug/l #	51
37) Ethyl Acetate	6.984	43	5571	2.654	ug/l #	81
38) Carbon Tetrachloride	7.783	117	16893	4.811	ug/l #	18
41) Methacrylonitrile	7.338	41	2347	2.191	ug/l #	43
76) 1,2,3-Trichloropropane	12.477	75	38406	47.129	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	38406	101.875	ug/l #	11

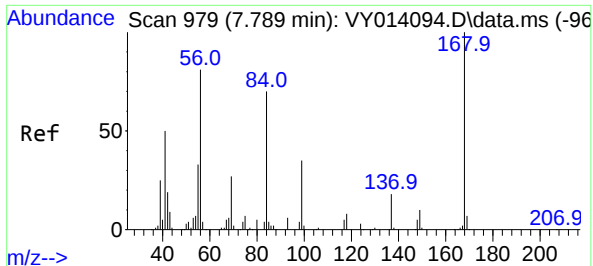
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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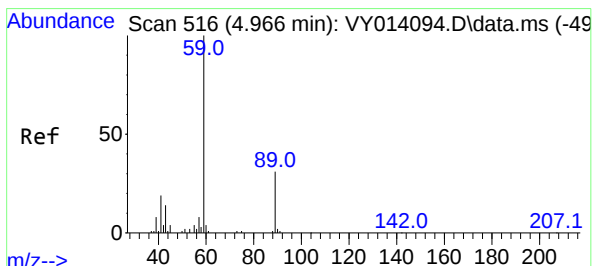
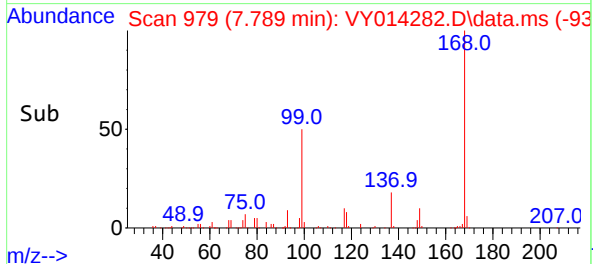
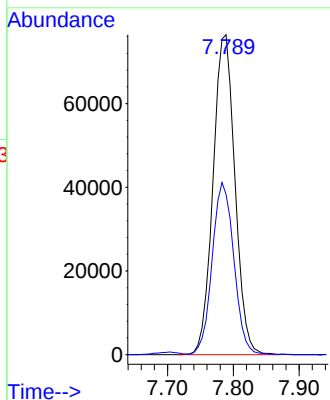
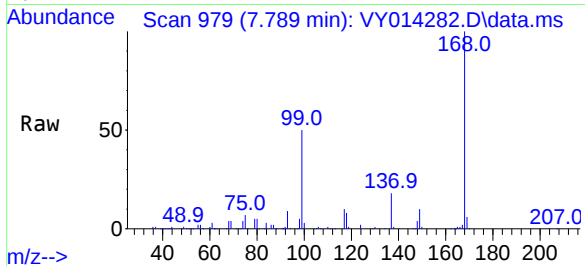




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014282.D
Acq: 20 Jun 2023 14:45

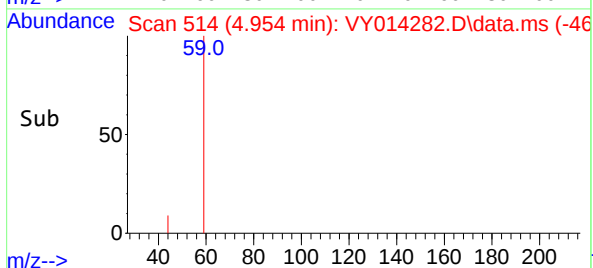
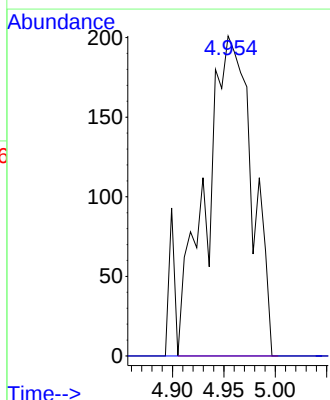
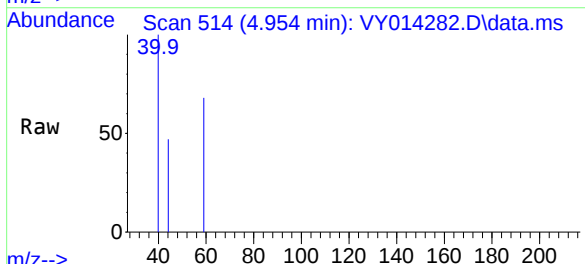
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-3-4-10E

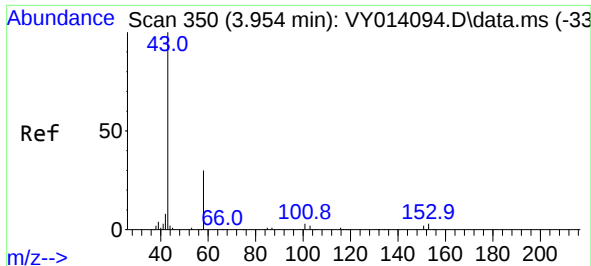
Tgt Ion:168 Resp: 177202
Ion Ratio Lower Upper
168 100
99 50.1 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY014282.D
Acq: 20 Jun 2023 14:45

Tgt Ion: 59 Resp: 624
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

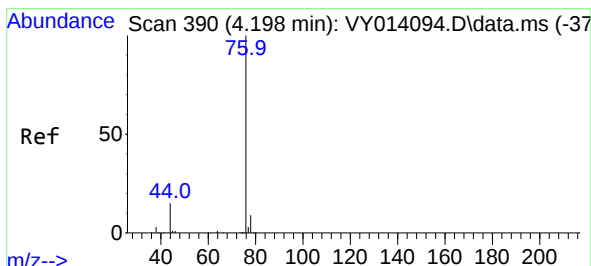
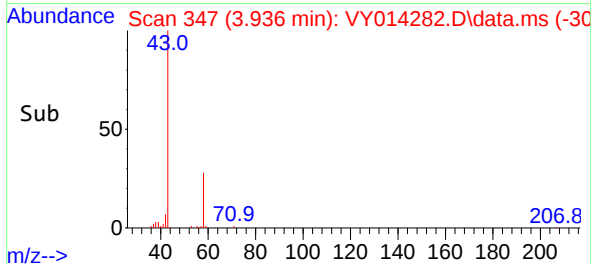
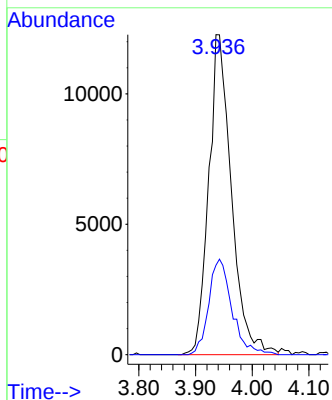
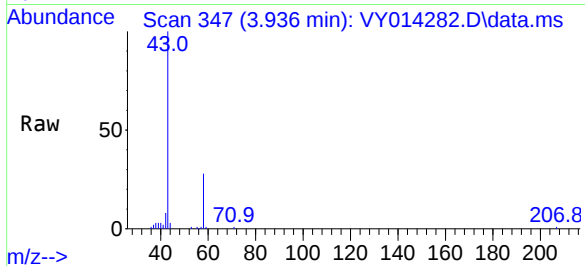




#16
Acetone
Concen: 45.961 ug/l
RT: 3.936 min Scan# 341
Delta R.T. -0.018 min
Lab File: VY014282.D
Acq: 20 Jun 2023 14:45

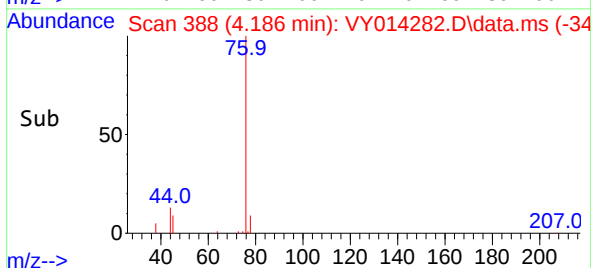
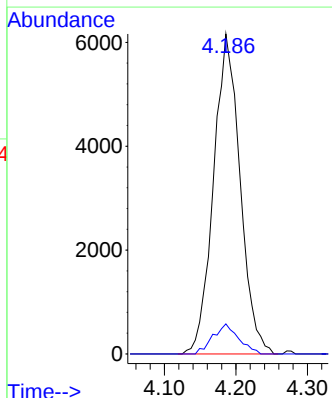
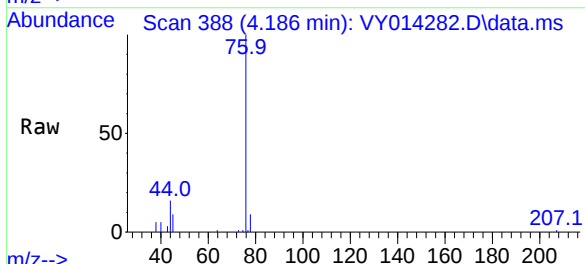
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-3-4-10E

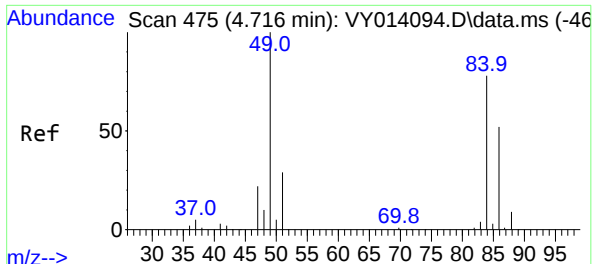
Tgt Ion: 43 Resp: 34186
Ion Ratio Lower Upper
43 100
58 27.9 22.7 34.1



#17
Carbon Disulfide
Concen: 2.425 ug/l
RT: 4.186 min Scan# 388
Delta R.T. -0.012 min
Lab File: VY014282.D
Acq: 20 Jun 2023 14:45

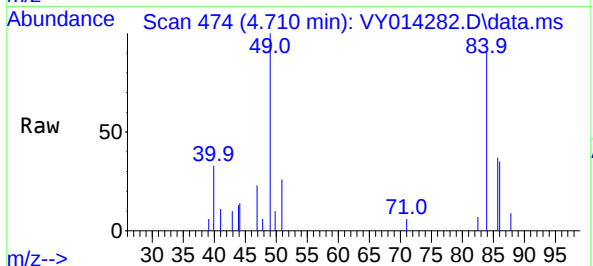
Tgt Ion: 76 Resp: 15898
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.4





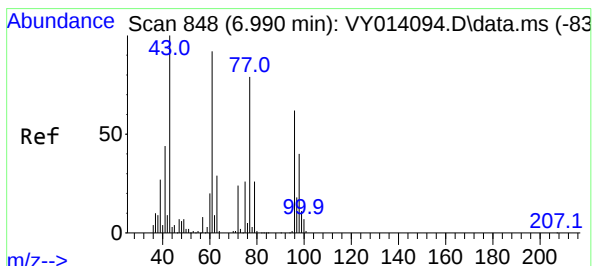
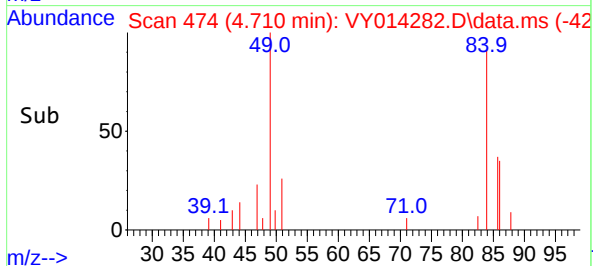
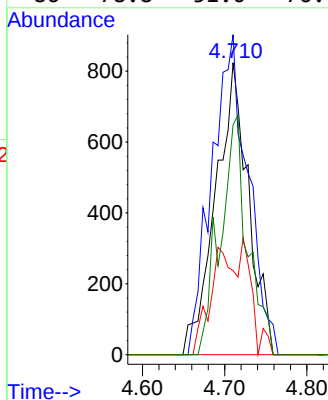
#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY014282.D
Acq: 20 Jun 2023 14:45

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-3-4-10E



Tgt Ion: 84 Resp: 2286

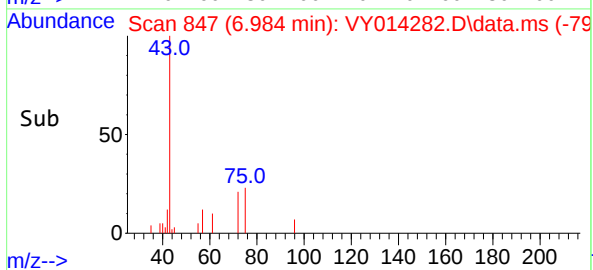
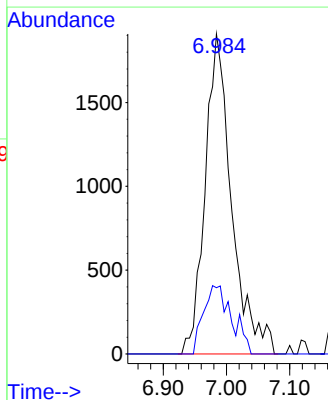
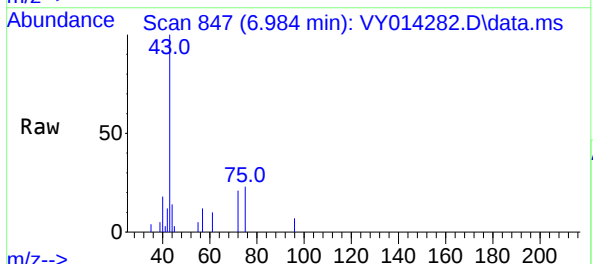
Ion	Ratio	Lower	Upper
84	100		
49	109.6	106.9	160.3
51	28.8	33.2	49.8#
86	78.8	51.0	76.6#

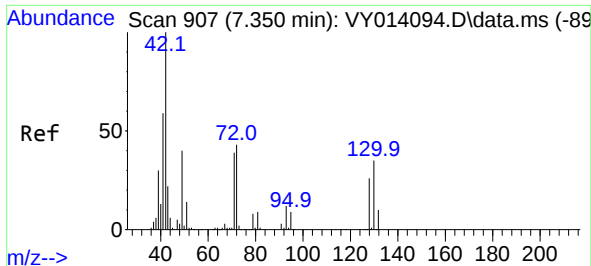


#25
2-Butanone
Concen: 6.085 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY014282.D
Acq: 20 Jun 2023 14:45

Tgt Ion: 43 Resp: 5571

Ion	Ratio	Lower	Upper
43	100		
72	20.7	20.5	30.7





#29

Tetrahydrofuran

Concen: 5.658 ug/l

RT: 7.350 min Scan# 907

Delta R.T. -0.000 min

Lab File: VY014282.D

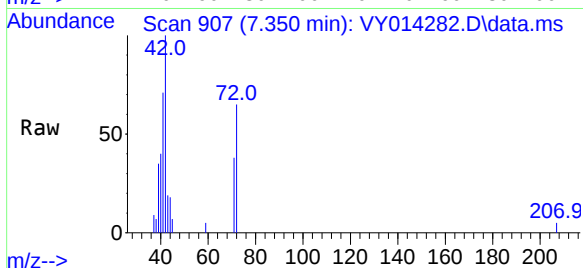
Acq: 20 Jun 2023 14:45

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TP6-3-4-10E



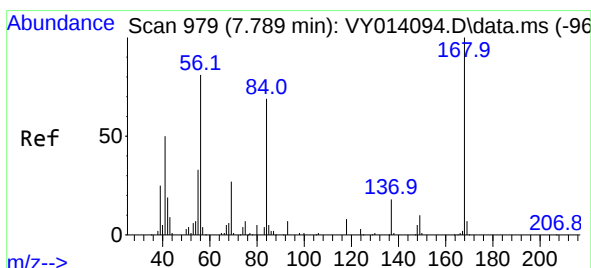
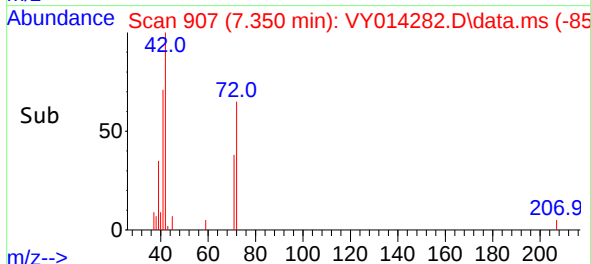
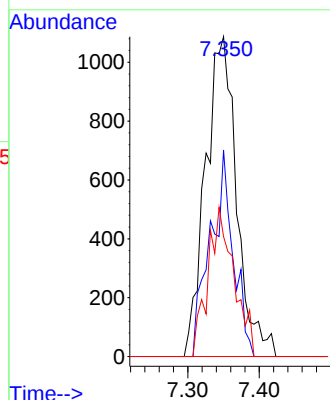
Tgt Ion: 42 Resp: 3285

Ion Ratio Lower Upper

42 100

72 47.5 32.8 49.2

71 39.1 31.0 46.4



#31

Cyclohexane

Concen: 1.464 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY014282.D

Acq: 20 Jun 2023 14:45

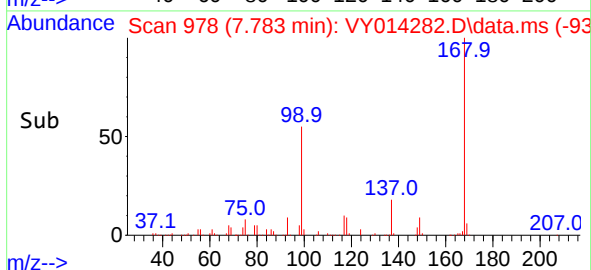
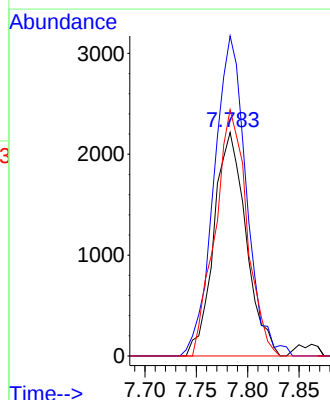
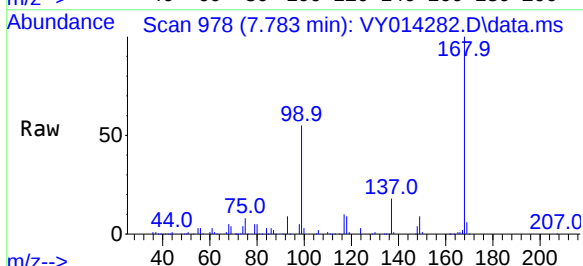
Tgt Ion: 56 Resp: 4839

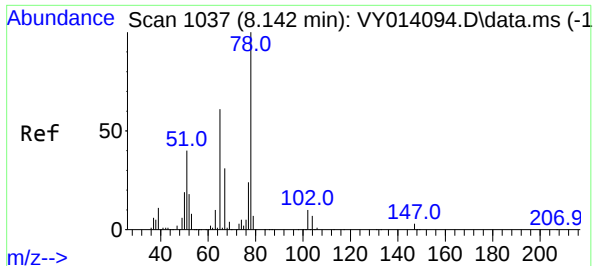
Ion Ratio Lower Upper

56 100

69 143.1 27.8 41.6#

84 110.1 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 47.373 ug/l

RT: 8.136 min Scan# 116895

Delta R.T. -0.006 min

Lab File: VY014282.D

Acq: 20 Jun 2023 14:45

Instrument :

MSVOA_Y

ClientSampleId :

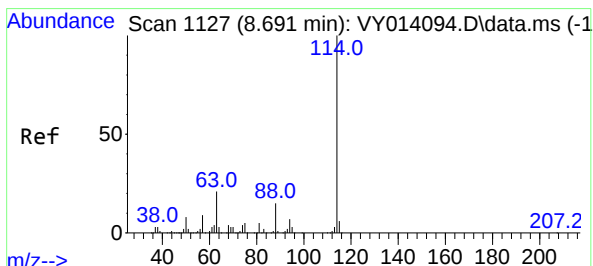
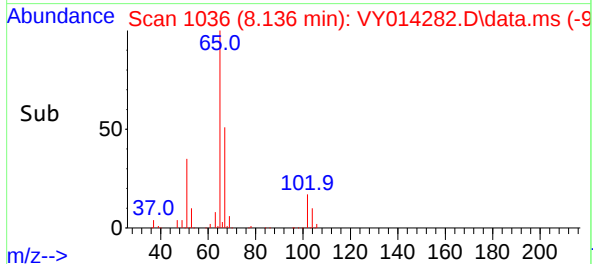
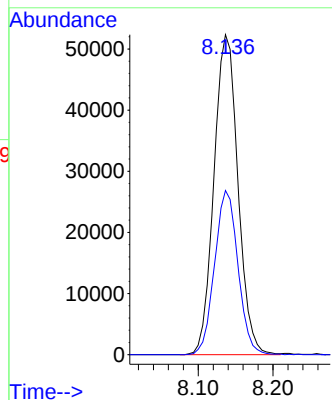
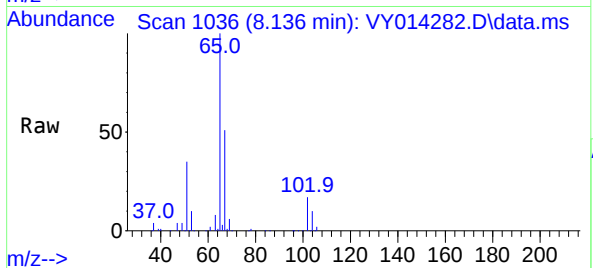
TOTAL-VOC-TP6-3-4-10E

Tgt Ion: 65 Resp: 116895

Ion Ratio Lower Upper

65 100

67 50.0 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY014282.D

Acq: 20 Jun 2023 14:45

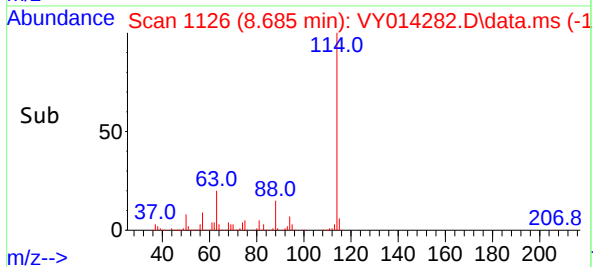
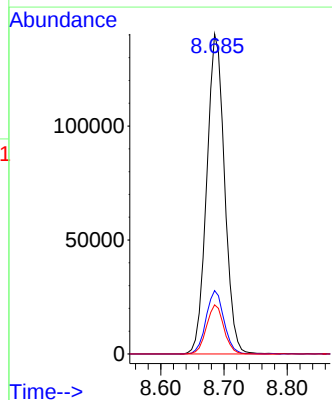
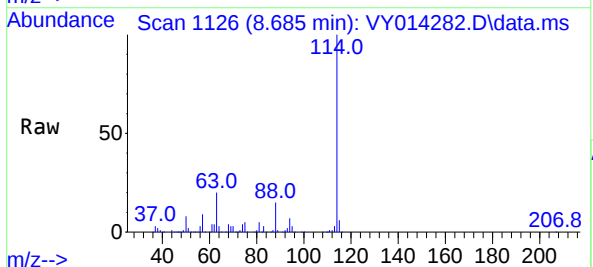
Tgt Ion: 114 Resp: 275185

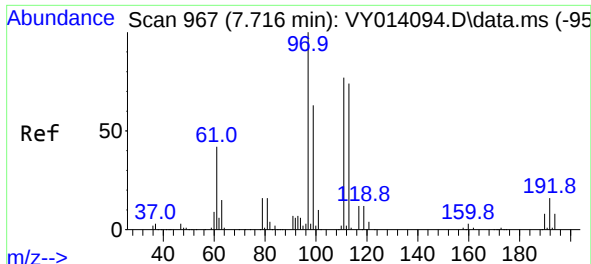
Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.4

88 15.3 0.0 30.6

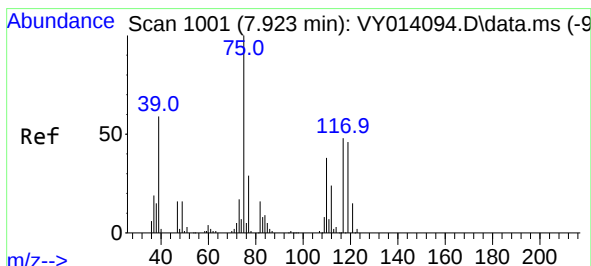
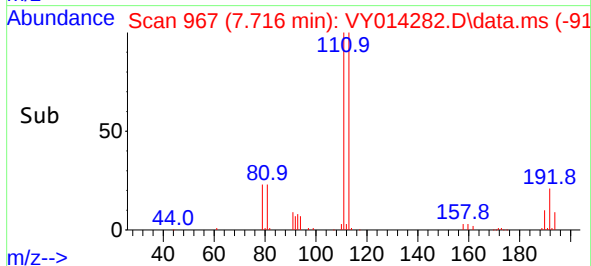
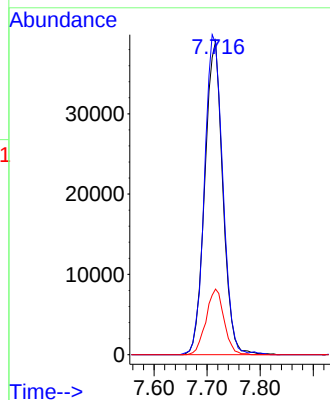
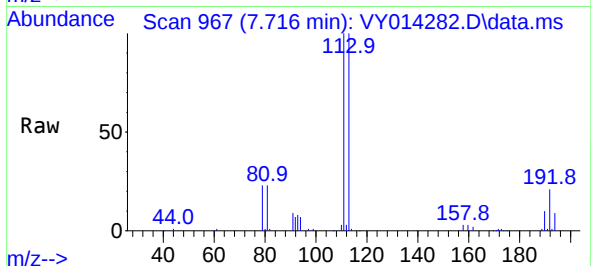




#35
Dibromofluoromethane
Concen: 47.100 ug/l
RT: 7.716 min Scan# 919
Delta R.T. -0.000 min
Lab File: VY014282.D
Acq: 20 Jun 2023 14:45

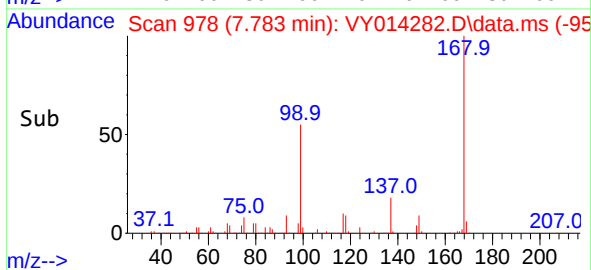
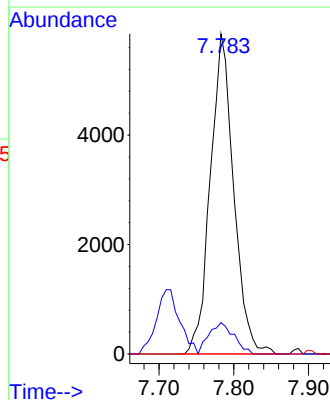
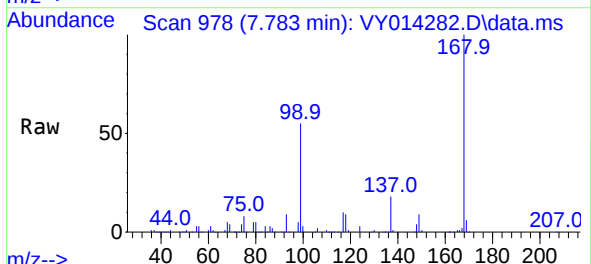
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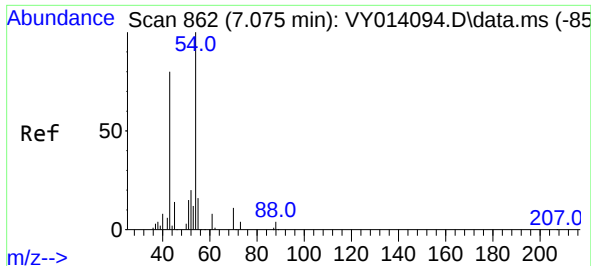
Tgt Ion:113 Resp: 91918
Ion Ratio Lower Upper
113 100
111 103.3 81.3 121.9
192 21.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.179 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY014282.D
Acq: 20 Jun 2023 14:45

Tgt Ion: 75 Resp: 12715
Ion Ratio Lower Upper
75 100
110 10.4 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.654 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.091 min

Lab File: VY014282.D

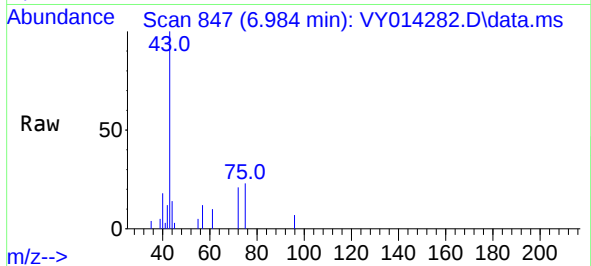
Acq: 20 Jun 2023 14:45

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TP6-3-4-10E



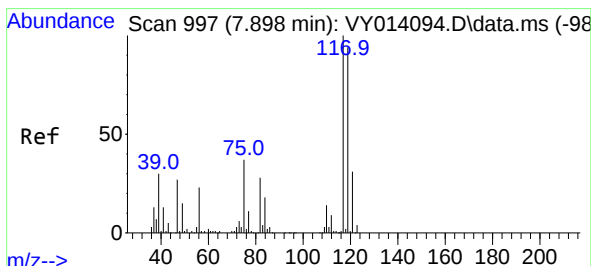
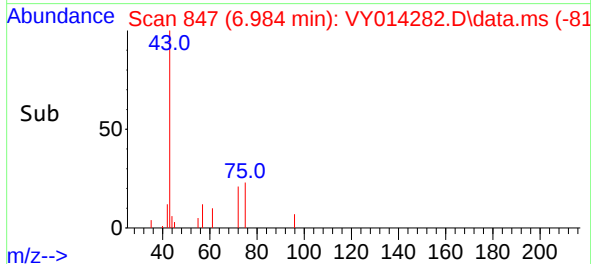
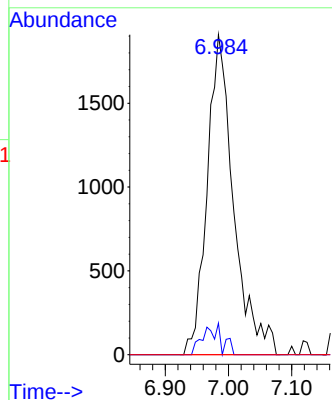
Tgt Ion: 43 Resp: 5571

Ion Ratio Lower Upper

43 100

61 6.8 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 4.811 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.115 min

Lab File: VY014282.D

Acq: 20 Jun 2023 14:45

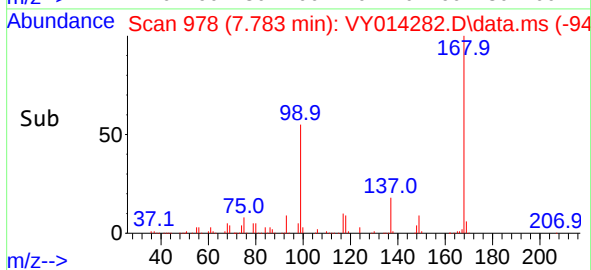
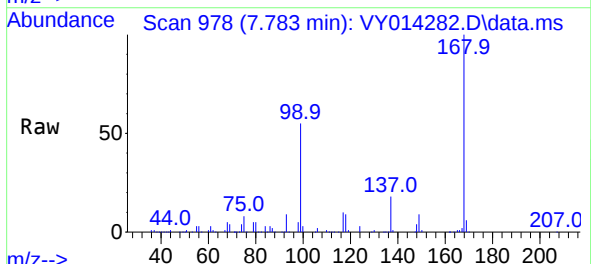
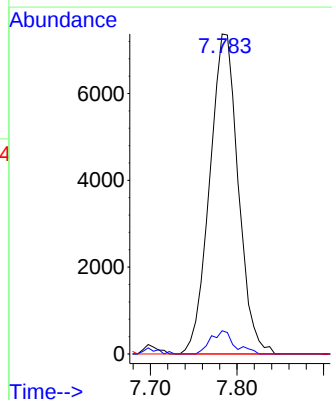
Tgt Ion: 117 Resp: 16893

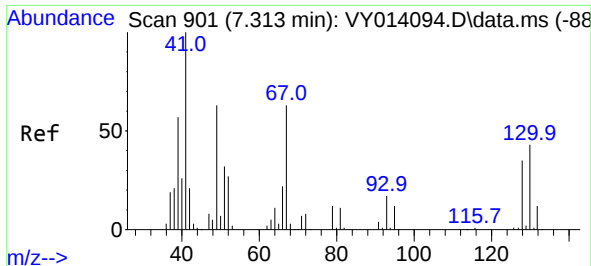
Ion Ratio Lower Upper

117 100

119 7.3 76.4 114.6#

121 0.0 25.8 38.6#

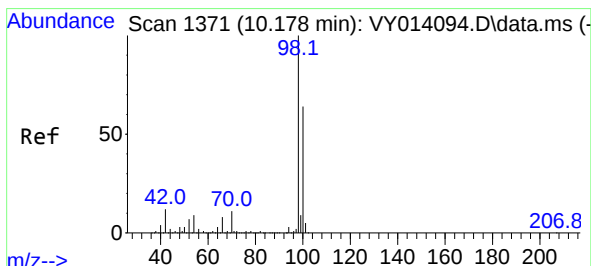
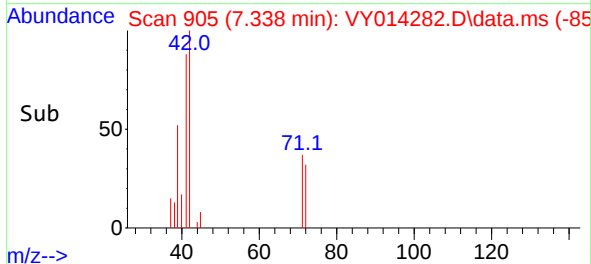
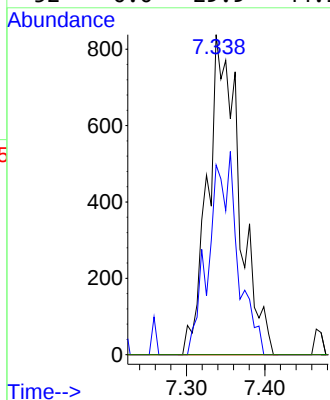
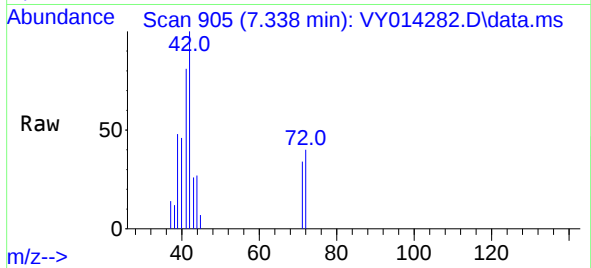




#41
Methacrylonitrile
Concen: 2.191 ug/l
RT: 7.338 min Scan# 901
Delta R.T. 0.025 min
Lab File: VY014282.D
Acq: 20 Jun 2023 14:45

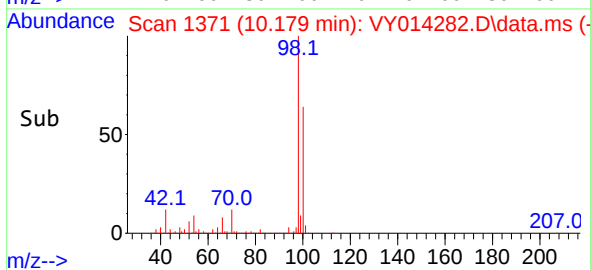
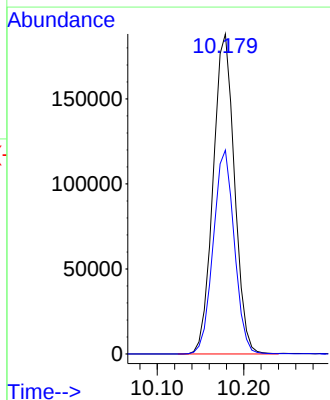
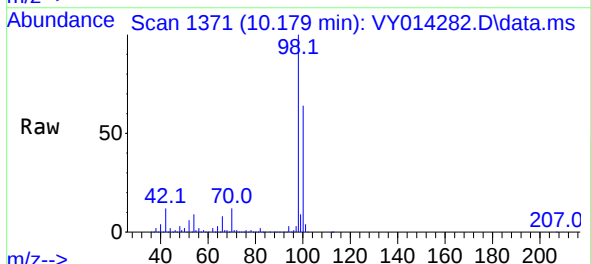
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-3-4-10E

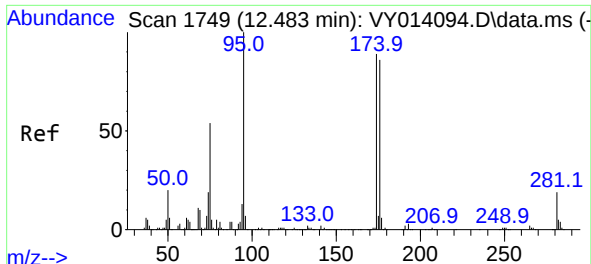
Tgt Ion: 41	Resp: 2347
Ion Ratio	Lower Upper
41 100	
39 57.3	52.1 78.1
67 0.0	66.2 99.2#
52 0.0	29.9 44.9#



#50
Toluene-d8
Concen: 44.104 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014282.D
Acq: 20 Jun 2023 14:45

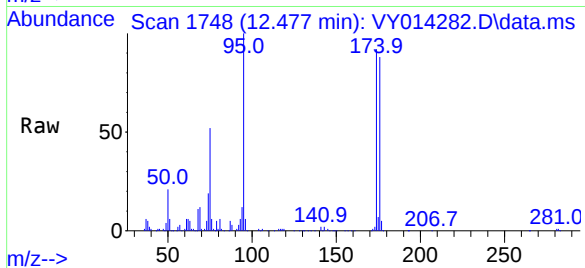
Tgt Ion: 98	Resp: 321788
Ion Ratio	Lower Upper
98 100	
100 63.0	50.1 75.1



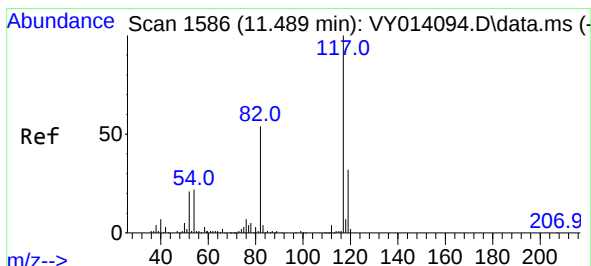
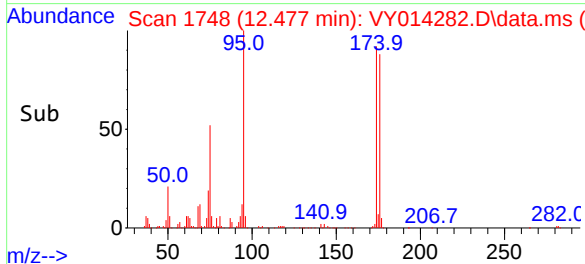
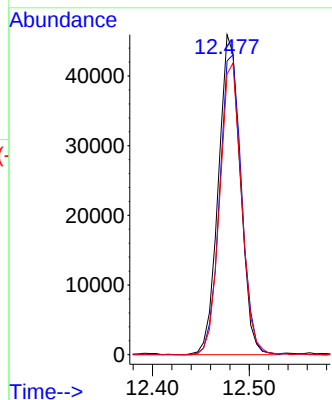


#62
4-Bromofluorobenzene
Concen: 27.778 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014282.D
Acq: 20 Jun 2023 14:45

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-3-4-10E

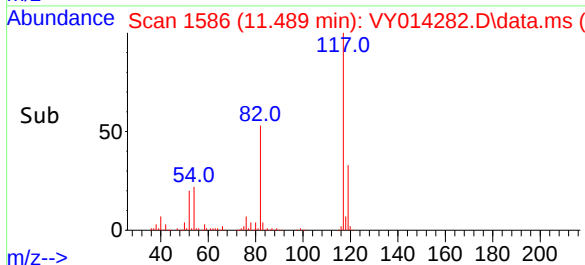
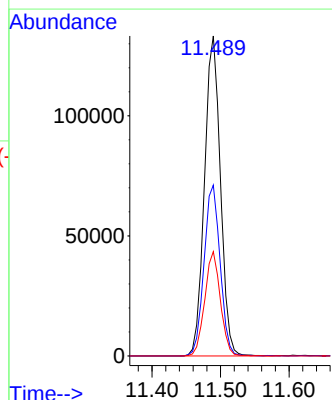
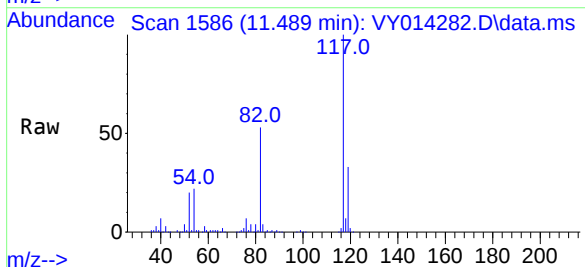


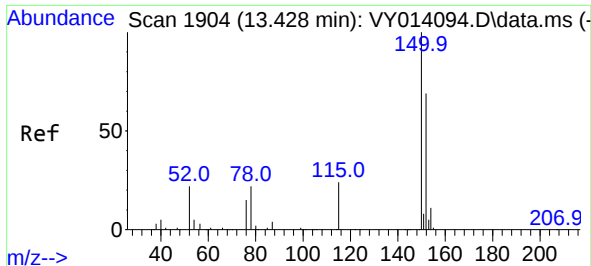
Tgt Ion: 95 Resp: 71995
Ion Ratio Lower Upper
95 100
174 94.3 0.0 178.2
176 90.5 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014282.D
Acq: 20 Jun 2023 14:45

Tgt Ion: 117 Resp: 216380
Ion Ratio Lower Upper
117 100
82 53.4 43.4 65.0
119 32.6 26.3 39.5

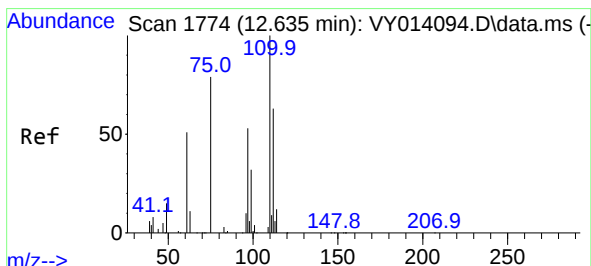
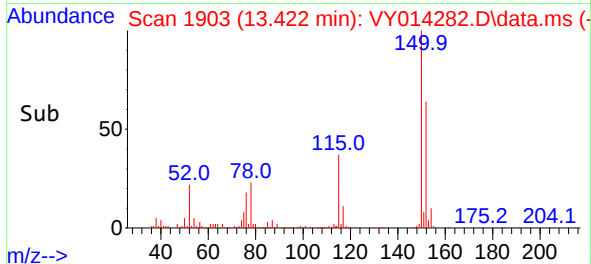
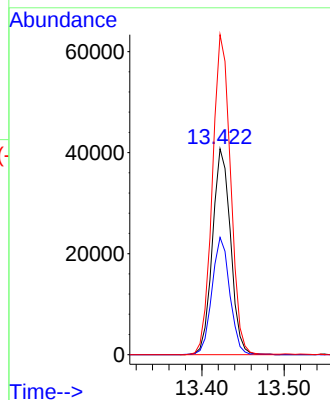
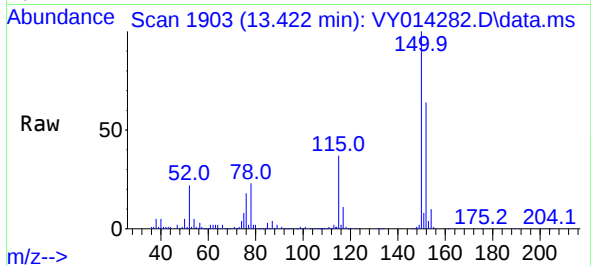




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY014282.D
Acq: 20 Jun 2023 14:45

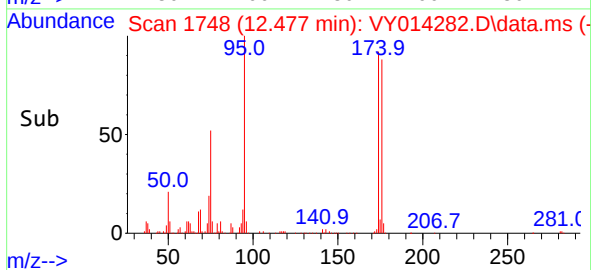
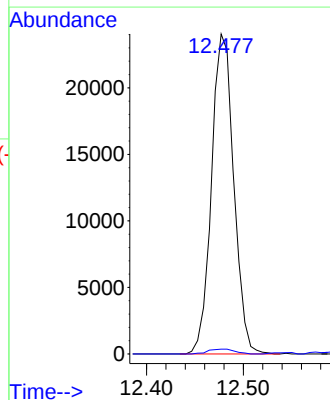
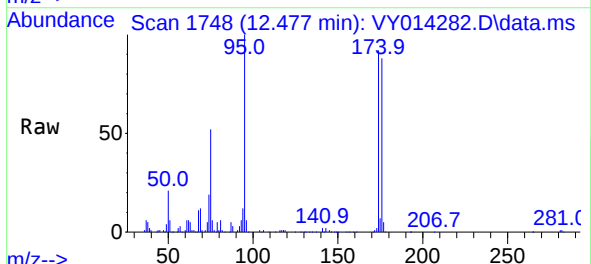
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-3-4-10E

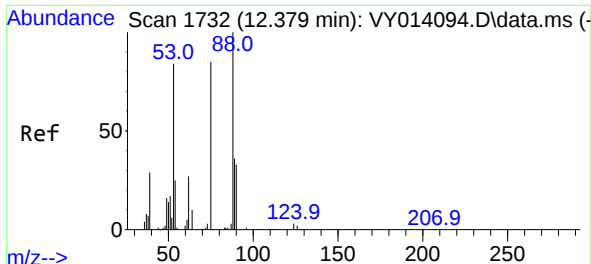
Tgt Ion:152 Resp: 62113
Ion Ratio Lower Upper
152 100
115 56.3 28.8 86.5
150 156.7 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 47.129 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY014282.D
Acq: 20 Jun 2023 14:45

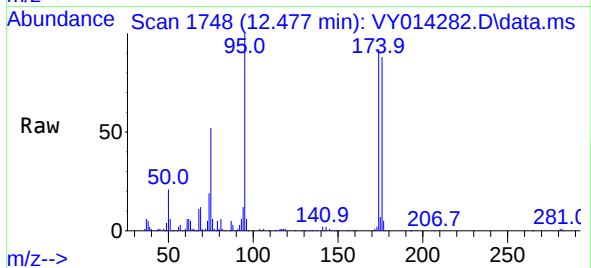
Tgt Ion: 75 Resp: 38406
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.875 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY014282.D
 Acq: 20 Jun 2023 14:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-TP6-3-4-10E



Tgt Ion: 75 Resp: 38406
 Ion Ratio Lower Upper
 75 100
 53 0.4 77.8 116.8#
 89 0.0 37.4 56.0#

