

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061323\
 Data File : VY014151.D
 Acq On : 13 Jun 2023 19:47
 Operator : KP/MD
 Sample : 03157-01
 Misc : 3.90g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-622-VOC-01

Quant Time: Jun 14 01:40:03 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)

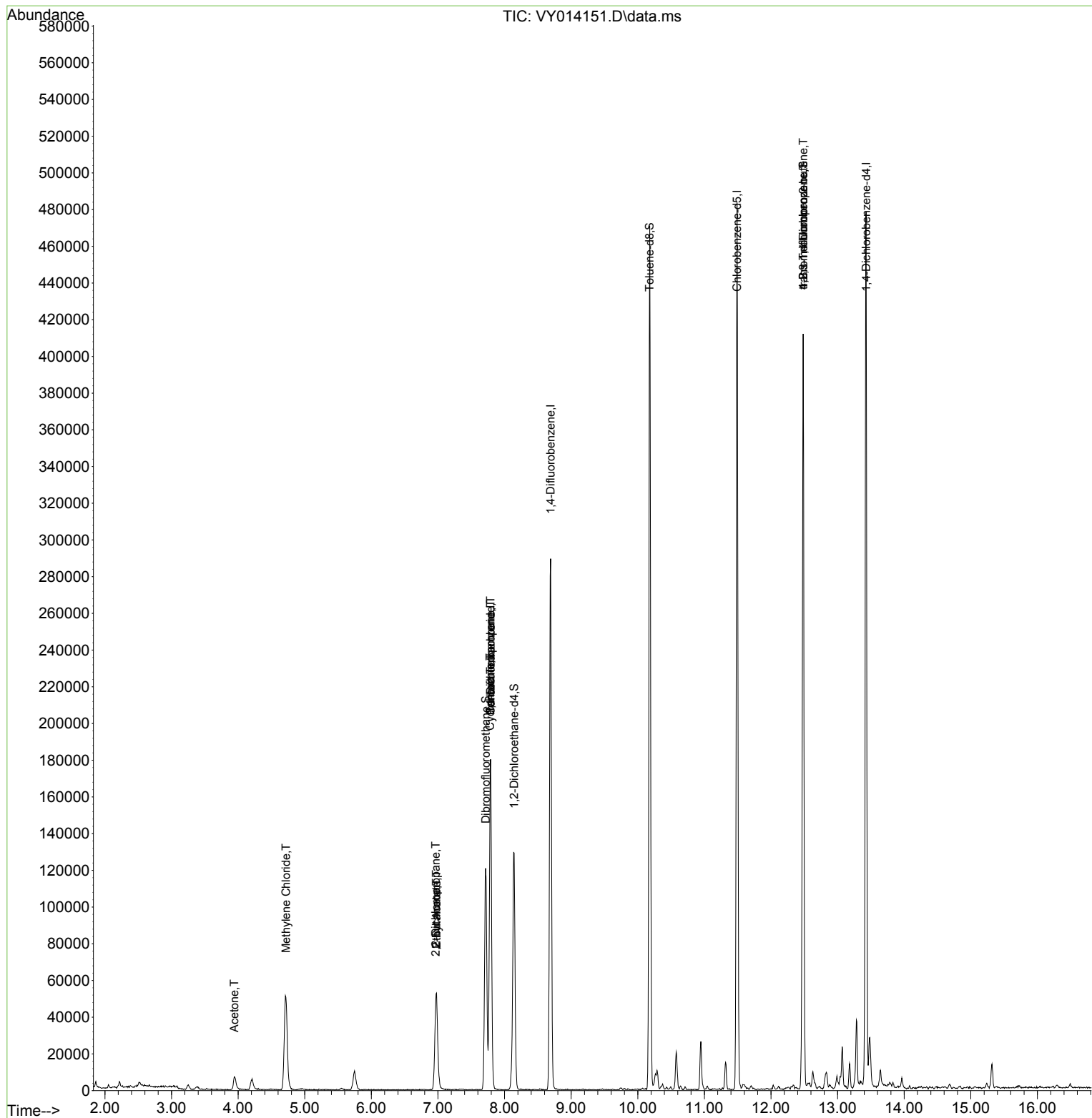
Internal Standards						
1) Pentafluorobenzene	7.789	168	139564	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	241417	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	253955	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	120017	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	105677	54.376	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.760%	
35) Dibromofluoromethane	7.716	113	83655	48.862	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.720%	
50) Toluene-d8	10.179	98	295807	46.214	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 92.420%	
62) 4-Bromofluorobenzene	12.483	95	108037	47.515	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.040%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	1423	Below Cal	#	89
16) Acetone	3.942	43	12881	21.988	ug/l	95
20) Methylene Chloride	4.716	84	37922	17.981	ug/l	94
25) 2-Butanone	6.978	43	3231	4.481	ug/l #	74
26) 2,2-Dichloropropane	6.966	77	4049	1.352	ug/l #	54
31) Cyclohexane	7.783	56	3356	1.289	ug/l #	47
36) 1,1-Dichloropropene	7.789	75	10968	4.109	ug/l #	50
37) Ethyl Acetate	6.978	43	3231	1.754	ug/l #	1
38) Carbon Tetrachloride	7.789	117	14154	4.595	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	59513	37.796	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	59513	81.700	ug/l #	10

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

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Response via : Initial Calibration

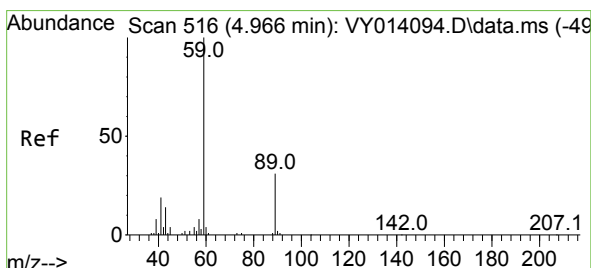
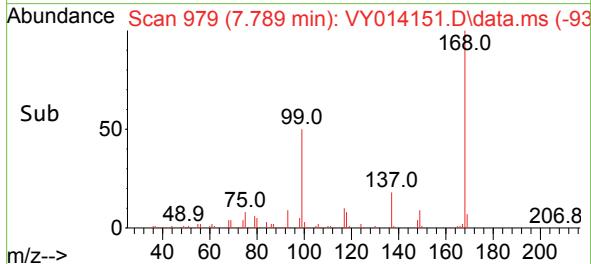
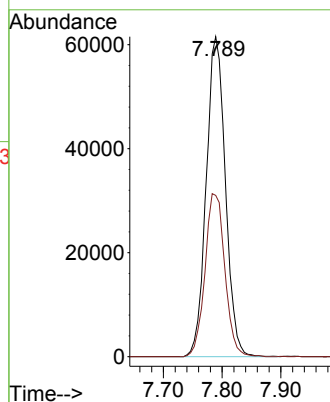
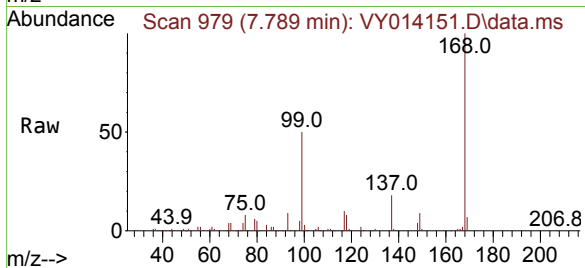




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014151.D
Acq: 13 Jun 2023 19:47

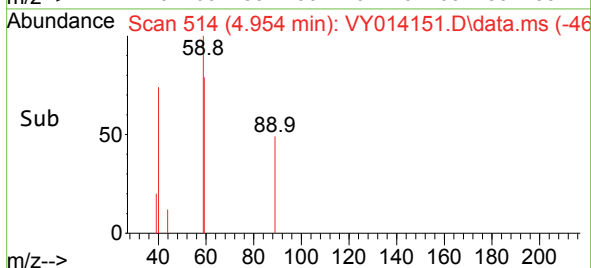
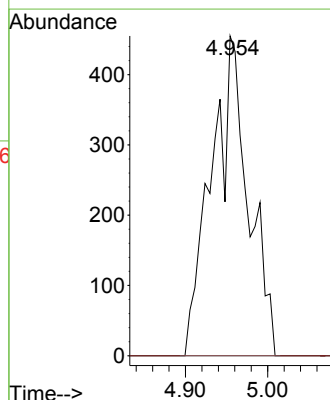
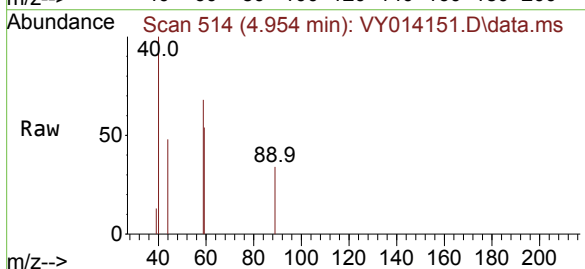
Instrument :
MSVOA_Y
ClientSampleId :
SU-622-VOC-01

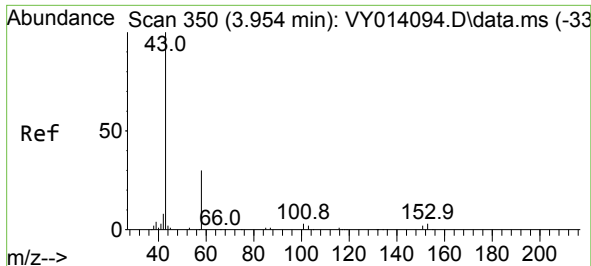
Tgt Ion:168 Resp: 139564
Ion Ratio Lower Upper
168 100
99 50.4 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY014151.D
Acq: 13 Jun 2023 19:47

Tgt Ion: 59 Resp: 1423
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 21.988 ug/l

RT: 3.942 min Scan# 34

Delta R.T. -0.012 min

Lab File: VY014151.D

Acq: 13 Jun 2023 19:47

Instrument :

MSVOA_Y

ClientSampleId :

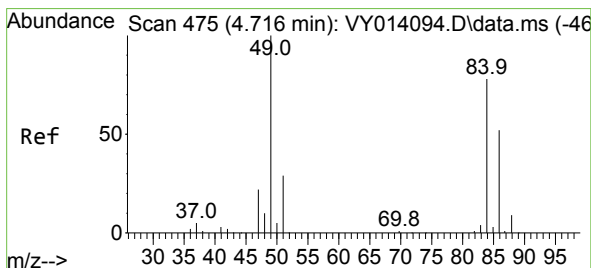
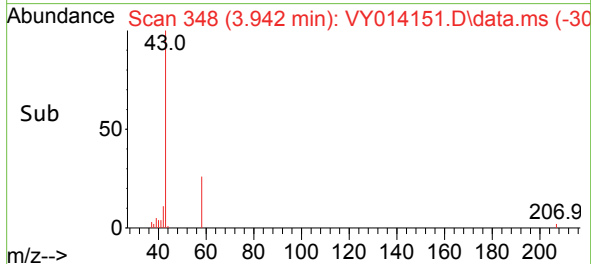
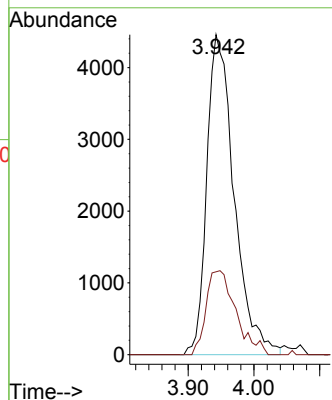
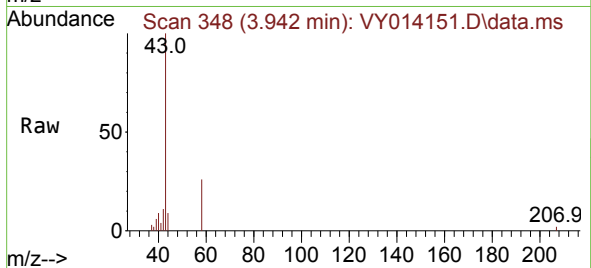
SU-622-VOC-01

Tgt Ion: 43 Resp: 12881

Ion Ratio Lower Upper

43 100

58 25.9 22.7 34.1



#20

Methylene Chloride

Concen: 17.981 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY014151.D

Acq: 13 Jun 2023 19:47

Tgt Ion: 84 Resp: 37922

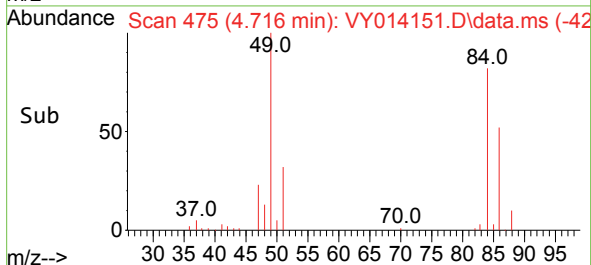
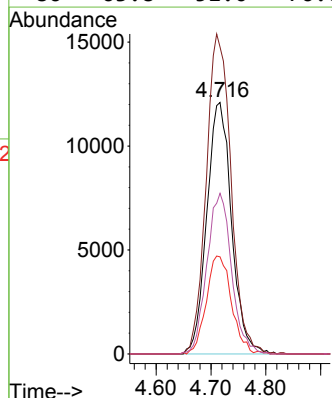
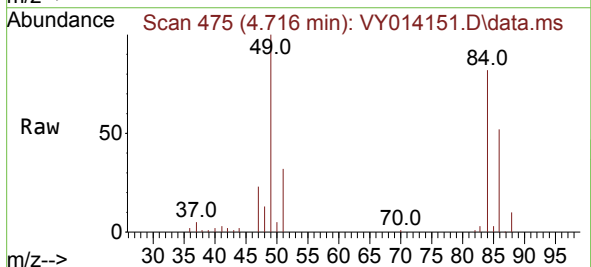
Ion Ratio Lower Upper

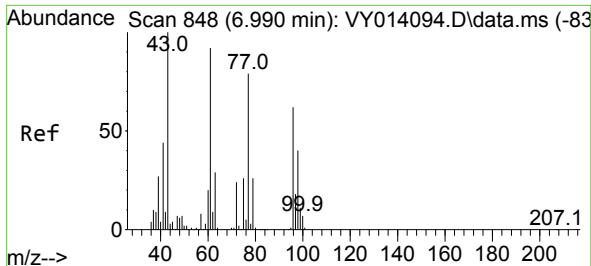
84 100

49 122.0 106.9 160.3

51 38.6 33.2 49.8

86 63.8 51.0 76.6

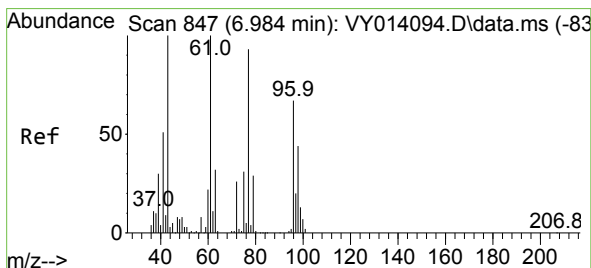
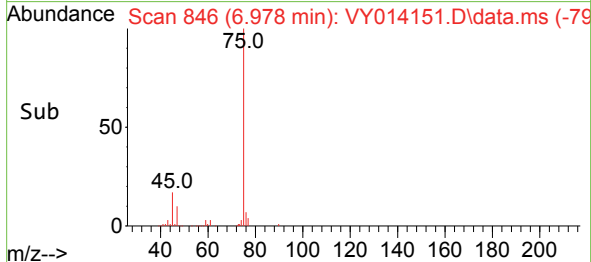
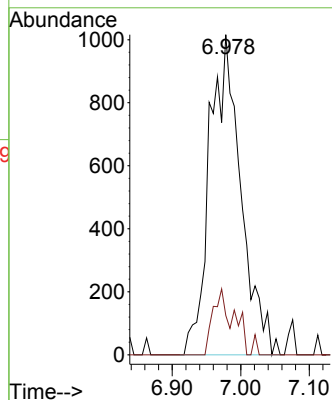
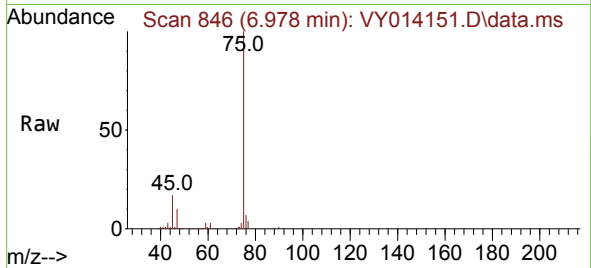




#25
2-Butanone
Concen: 4.481 ug/l
RT: 6.978 min Scan# 844
Delta R.T. -0.012 min
Lab File: VY014151.D
Acq: 13 Jun 2023 19:47

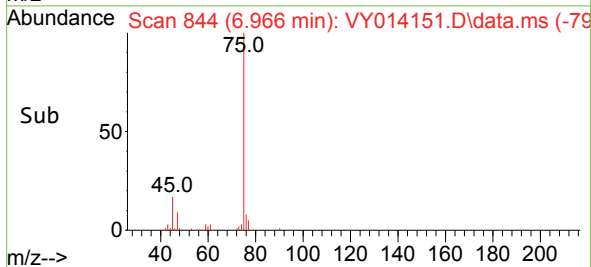
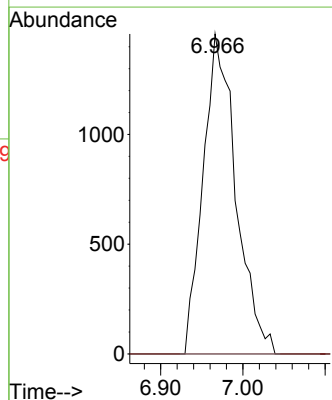
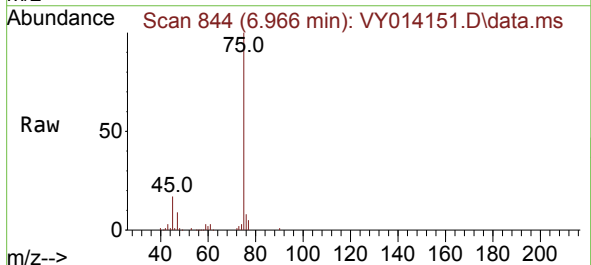
Instrument :
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SU-622-VOC-01

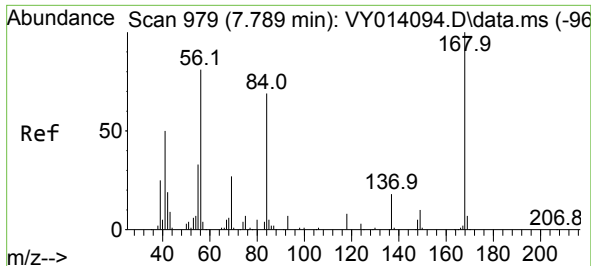
Tgt Ion: 43 Resp: 3231
Ion Ratio Lower Upper
43 100
72 12.3 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.352 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.018 min
Lab File: VY014151.D
Acq: 13 Jun 2023 19:47

Tgt Ion: 77 Resp: 4049
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

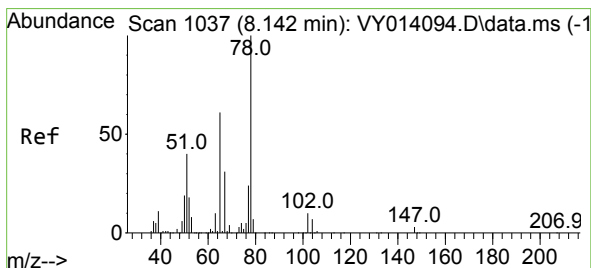
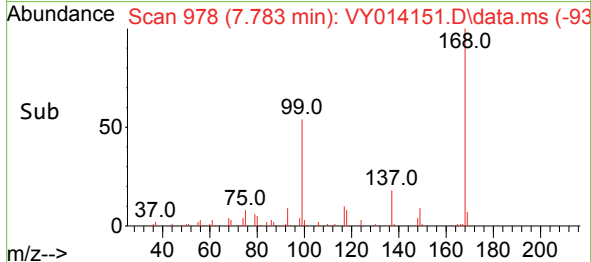
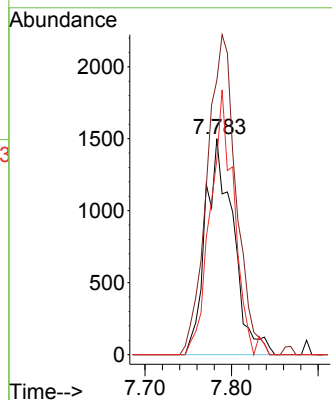
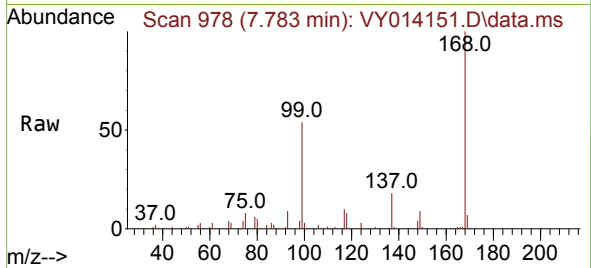




#31
Cyclohexane
Concen: 1.289 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014151.D
Acq: 13 Jun 2023 19:47

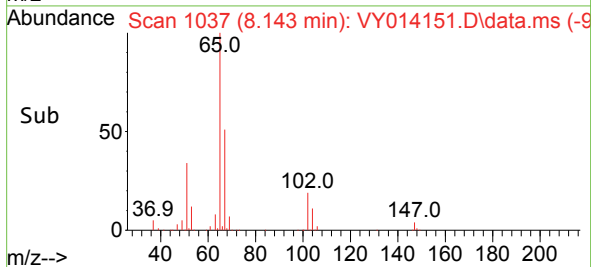
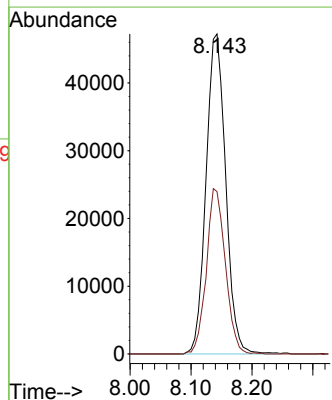
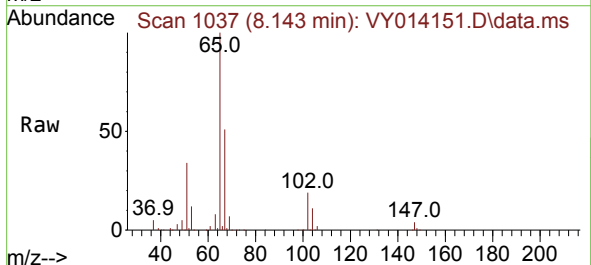
Instrument :
MSVOA_Y
ClientSampleId :
SU-622-VOC-01

Tgt Ion: 56 Resp: 3356
Ion Ratio Lower Upper
56 100
69 127.0 27.8 41.6#
84 90.3 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 54.376 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY014151.D
Acq: 13 Jun 2023 19:47

Tgt Ion: 65 Resp: 105677
Ion Ratio Lower Upper
65 100
67 50.1 0.0 101.8

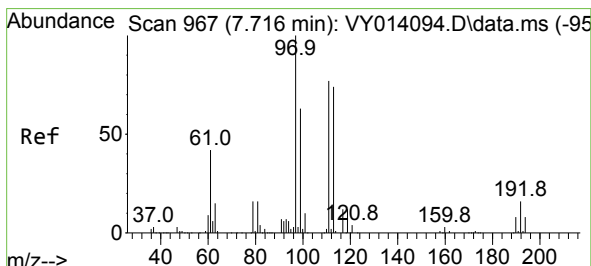
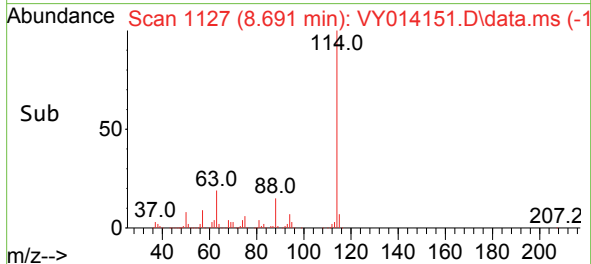
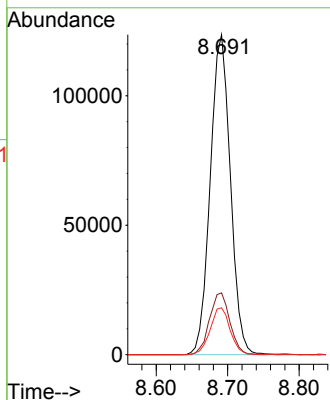
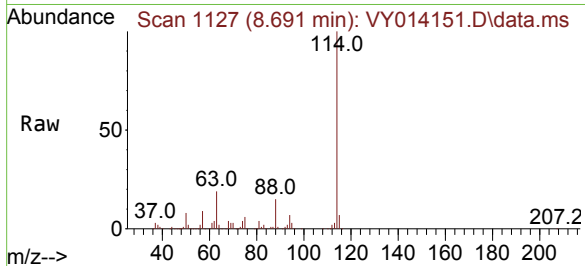




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY014151.D
Acq: 13 Jun 2023 19:47

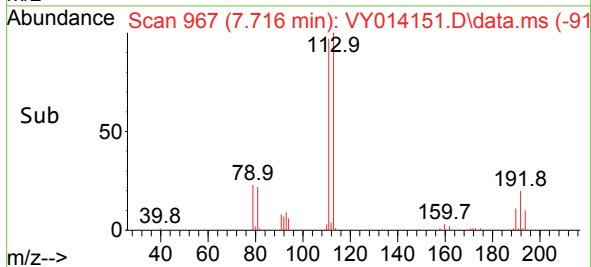
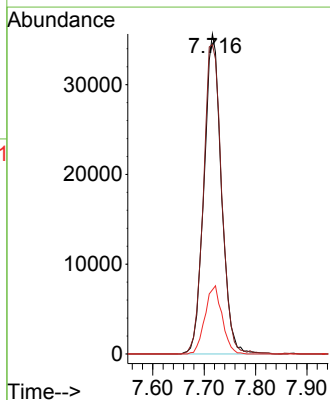
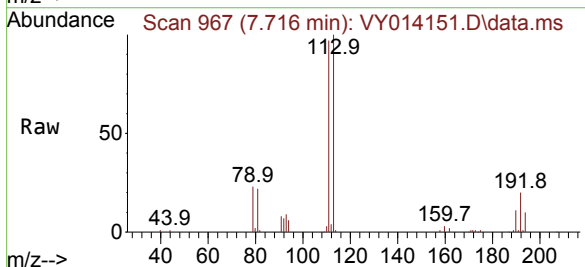
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MSVOA_Y
ClientSampleId :
SU-622-VOC-01

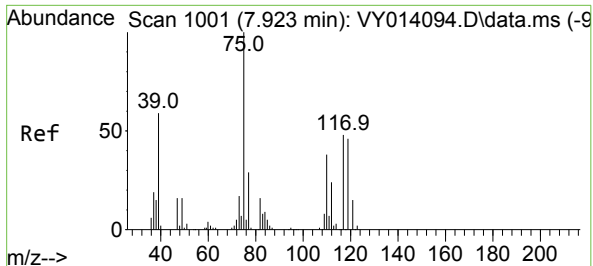
Tgt Ion:114	Resp:	241417
Ion Ratio	Lower	Upper
114	100	
63	19.3	0.0 42.4
88	14.7	0.0 30.6



#35
Dibromofluoromethane
Concen: 48.862 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY014151.D
Acq: 13 Jun 2023 19:47

Tgt Ion:113	Resp:	83655
Ion Ratio	Lower	Upper
113	100	
111	101.0	81.3 121.9
192	21.0	16.9 25.3

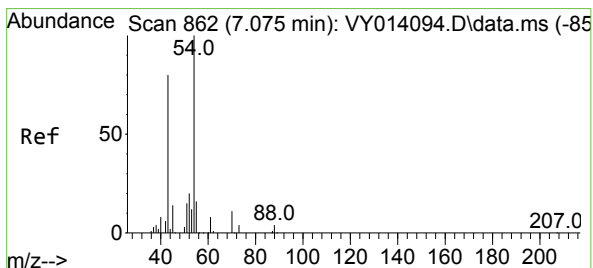
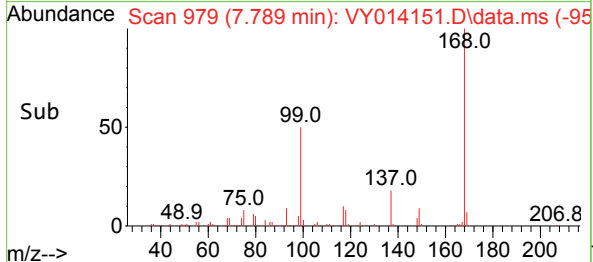
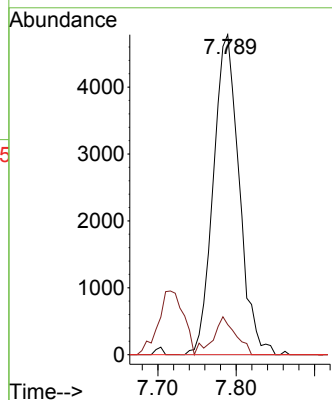
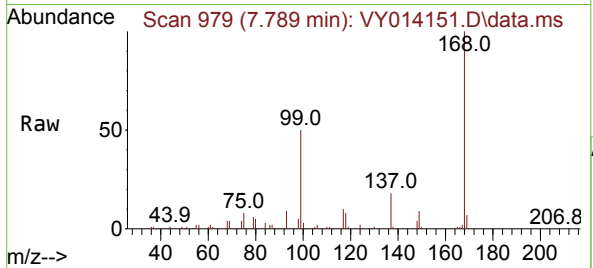




#36
1,1-Dichloropropene
Concen: 4.109 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY014151.D
Acq: 13 Jun 2023 19:47

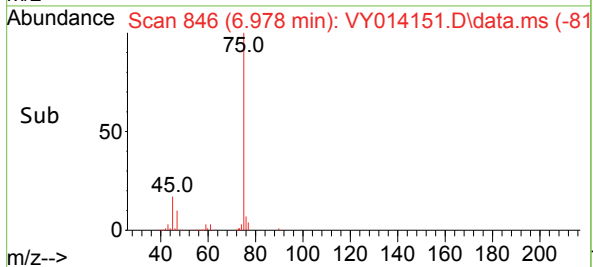
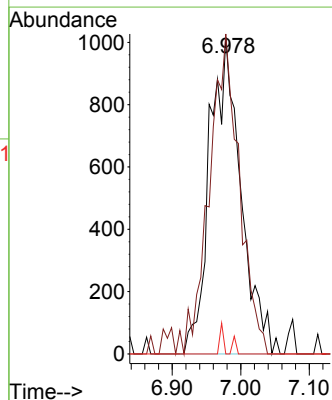
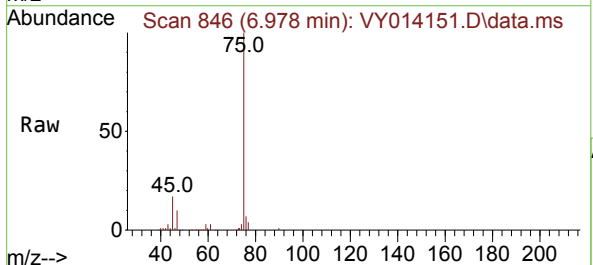
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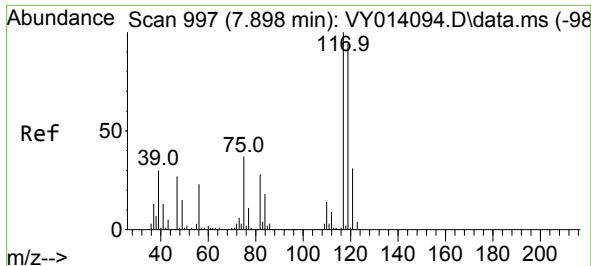
Tgt Ion: 75 Resp: 10968
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.754 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.097 min
Lab File: VY014151.D
Acq: 13 Jun 2023 19:47

Tgt Ion: 43 Resp: 3231
Ion Ratio Lower Upper
43 100
61 97.1 10.1 15.1#
70 1.1 7.1 10.7#

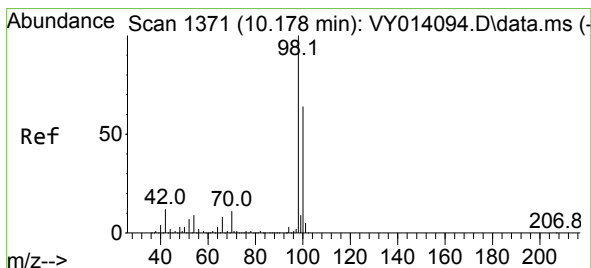
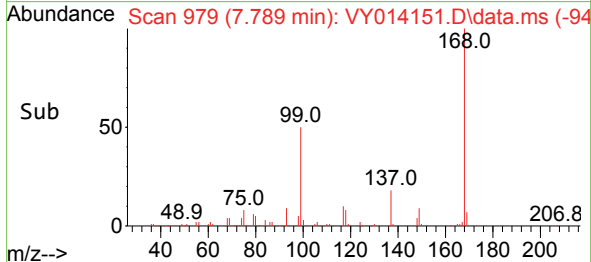
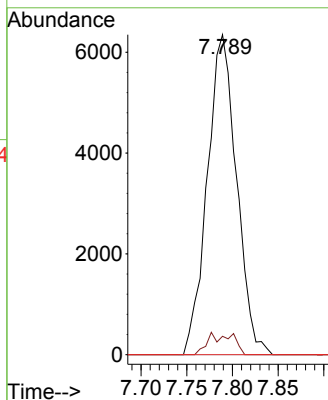
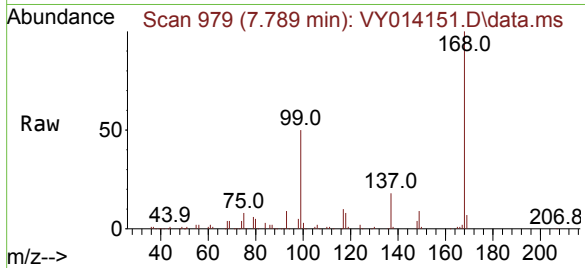




#38
Carbon Tetrachloride
Concen: 4.595 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY014151.D
Acq: 13 Jun 2023 19:47

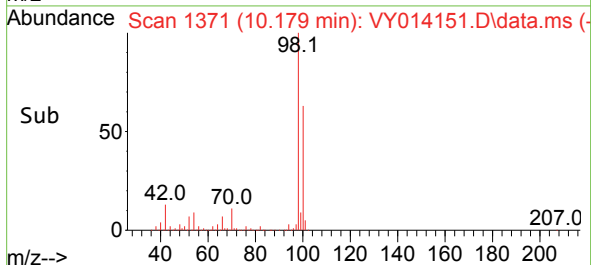
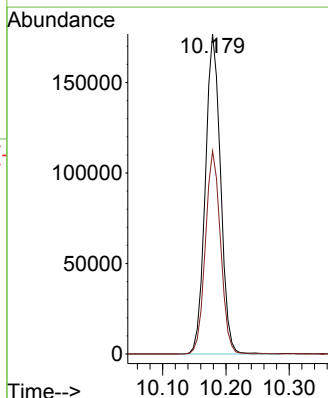
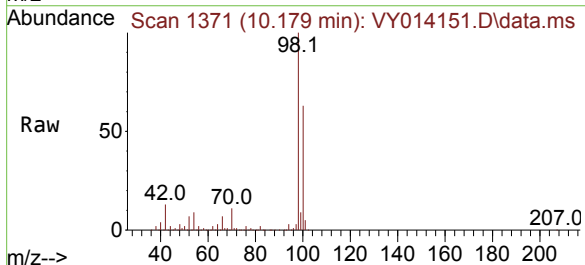
Instrument :
MSVOA_Y
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SU-622-VOC-01

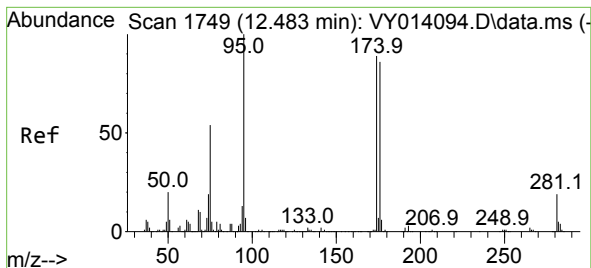
Tgt Ion:117 Resp: 14154
Ion Ratio Lower Upper
117 100
119 5.7 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 46.214 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014151.D
Acq: 13 Jun 2023 19:47

Tgt Ion: 98 Resp: 295807
Ion Ratio Lower Upper
98 100
100 63.2 50.1 75.1

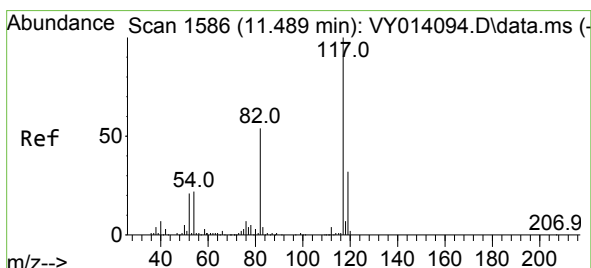
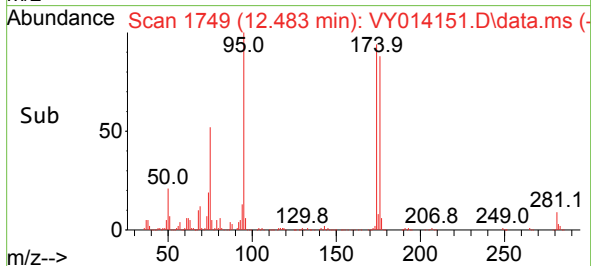
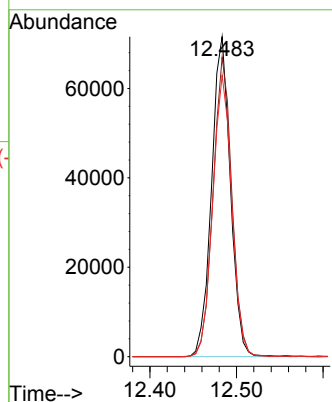
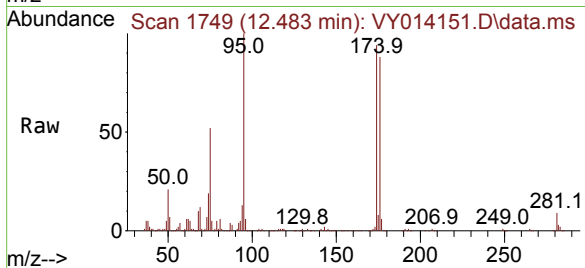




#62
4-Bromofluorobenzene
Concen: 47.515 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014151.D
Acq: 13 Jun 2023 19:47

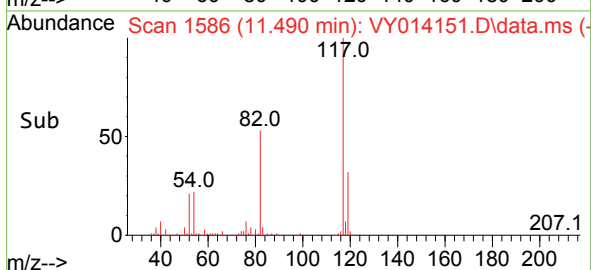
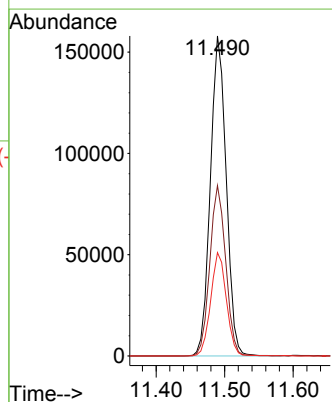
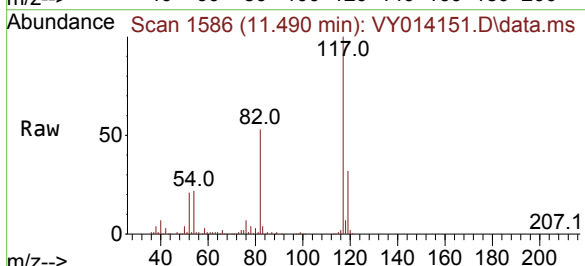
Instrument :
MSVOA_Y
ClientSampleId :
SU-622-VOC-01

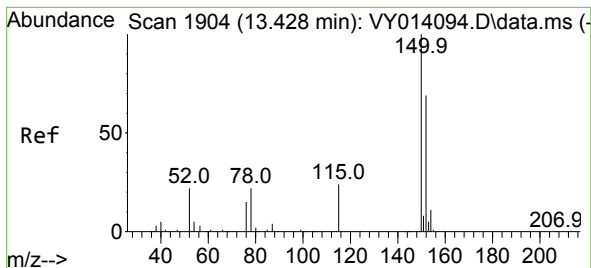
Tgt Ion: 95 Resp: 108037
Ion Ratio Lower Upper
95 100
174 93.5 0.0 178.2
176 89.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014151.D
Acq: 13 Jun 2023 19:47

Tgt Ion: 117 Resp: 253955
Ion Ratio Lower Upper
117 100
82 53.3 43.4 65.0
119 32.3 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY014151.D

Acq: 13 Jun 2023 19:47

Instrument :

MSVOA_Y

ClientSampleId :

SU-622-VOC-01

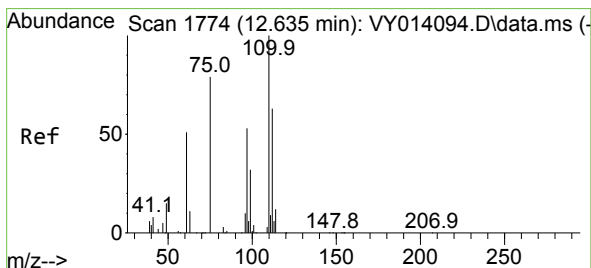
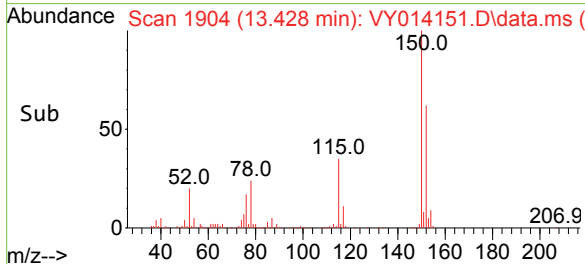
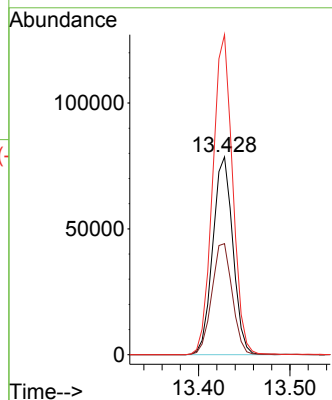
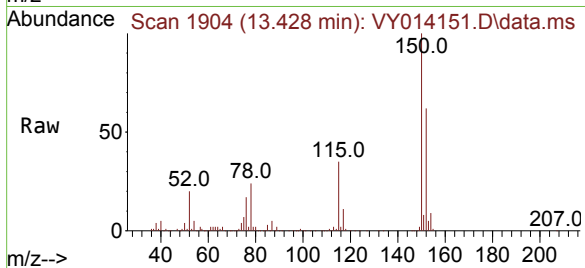
Tgt Ion:152 Resp: 120017

Ion Ratio Lower Upper

152 100

115 57.2 28.8 86.5

150 160.2 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 37.796 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY014151.D

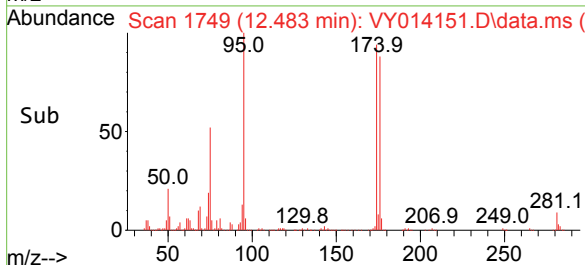
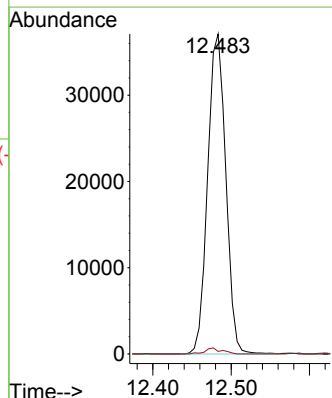
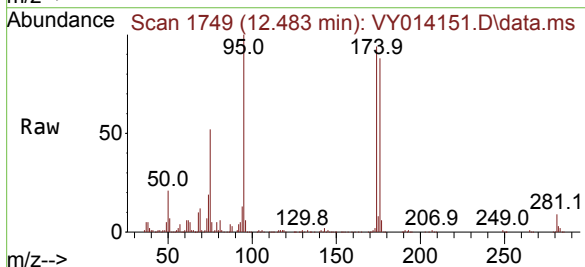
Acq: 13 Jun 2023 19:47

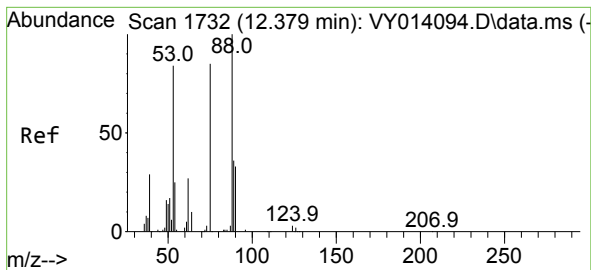
Tgt Ion: 75 Resp: 59513

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.700 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014151.D
 Acq: 13 Jun 2023 19:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-622-VOC-01

Tgt Ion: 75 Resp: 59513
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

