

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014296.D
 Acq On : 20 Jun 2023 20:14
 Operator : KP/MD
 Sample : 03296-11
 Misc : 5.69g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-R-01-GRAB-6

Quant Time: Jun 21 02:10:02 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)

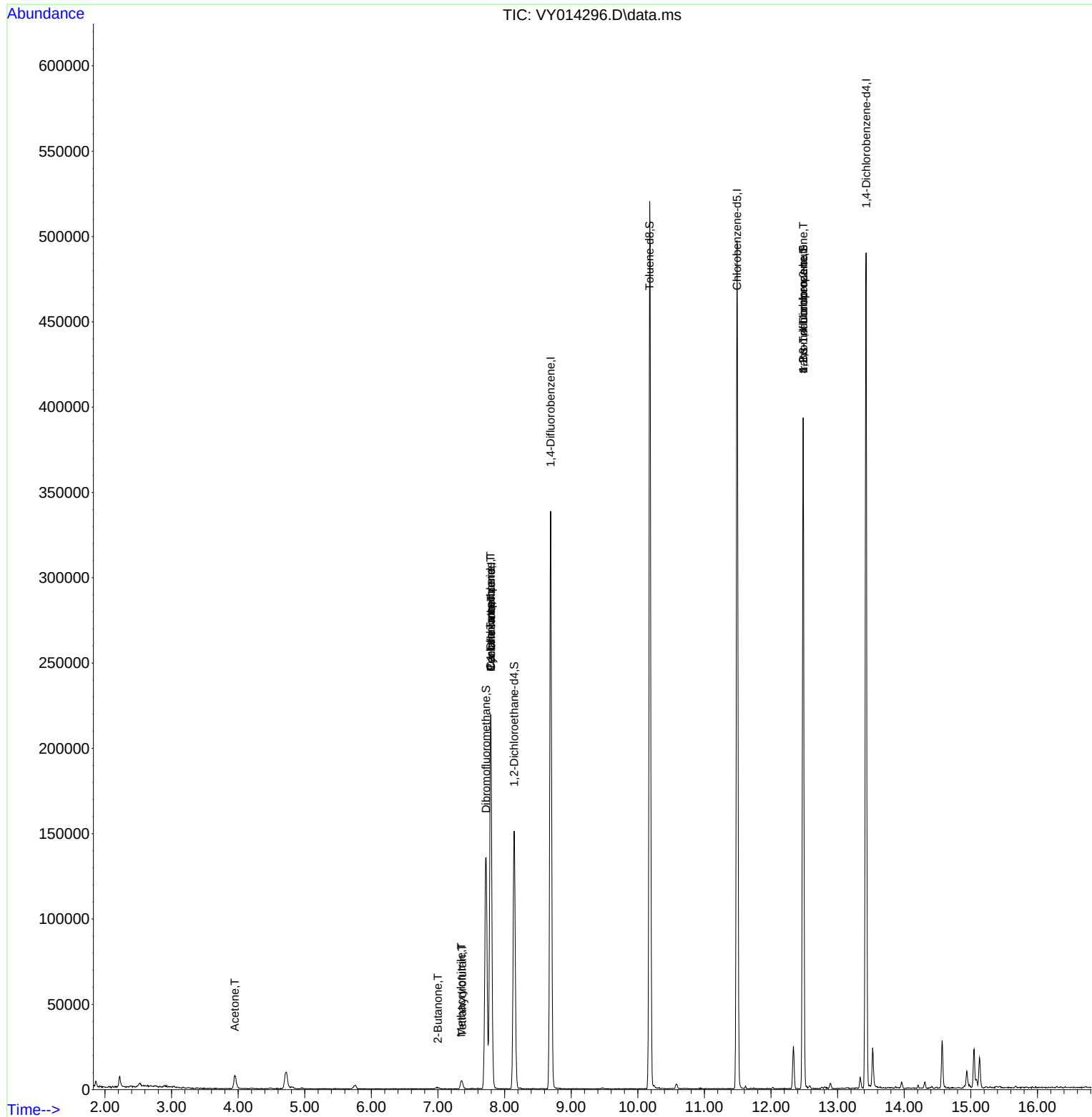
Internal Standards						
1) Pentafluorobenzene	7.795	168	172133	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	275039	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	268372	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	128059	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	127483	53.185	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.360%			
35) Dibromofluoromethane	7.722	113	95068	48.740	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.480%			
50) Toluene-d8	10.179	98	337739	46.315	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 92.640%			
62) 4-Bromofluorobenzene	12.483	95	111242	42.944	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 85.880%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	57	Below Cal	#	89
13) Acrolein	3.942	56	21	Below Cal	#	14
16) Acetone	3.948	43	13570	18.781	ug/l	96
20) Methylene Chloride	4.729	84	7250	Below Cal	#	89
25) 2-Butanone	6.996	43	1009	1.134	ug/l	# 49
29) Tetrahydrofuran	7.362	42	3678	6.522	ug/l	# 85
31) Cyclohexane	7.795	56	3728	1.161	ug/l	# 35
36) 1,1-Dichloropropene	7.789	75	13041	4.289	ug/l	# 51
38) Carbon Tetrachloride	7.789	117	17542	4.999	ug/l	# 17
41) Methacrylonitrile	7.350	41	2361	2.205	ug/l	# 46
76) 1,2,3-Trichloropropane	12.483	75	60044	35.738	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	60044	77.252	ug/l	# 11

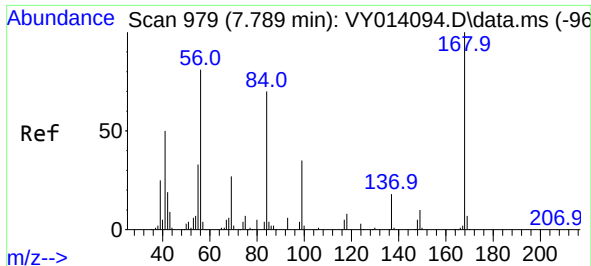
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
Data File : VY014296.D
Acq On : 20 Jun 2023 20:14
Operator : KP/MD
Sample : 03296-11
Misc : 5.69g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-R-01-GRAB-6

Quant Time: Jun 21 02:10:02 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

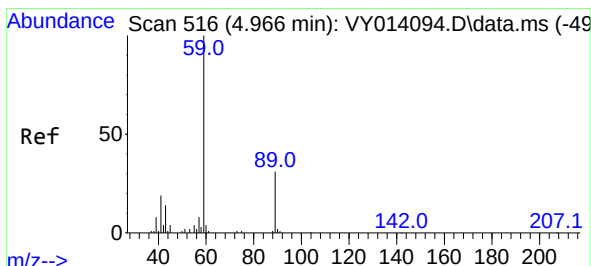
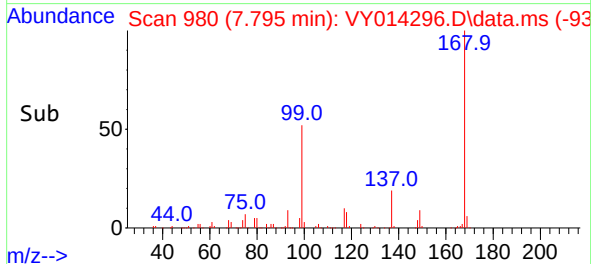
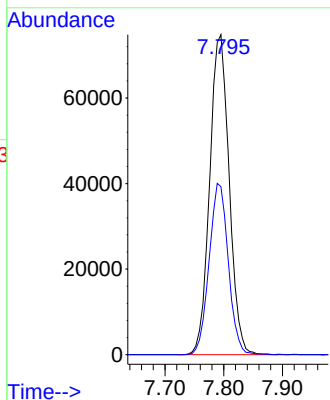
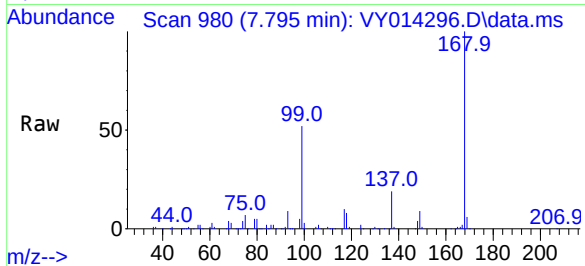




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014296.D
Acq: 20 Jun 2023 20:14

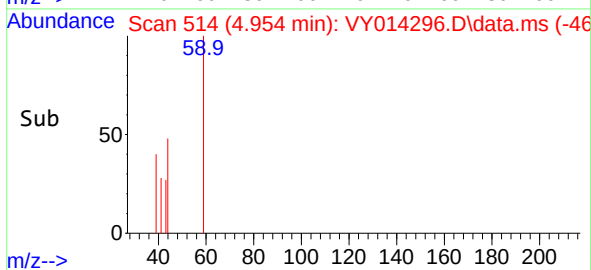
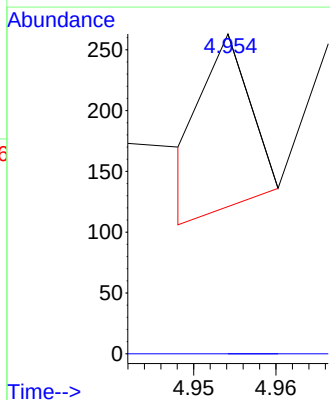
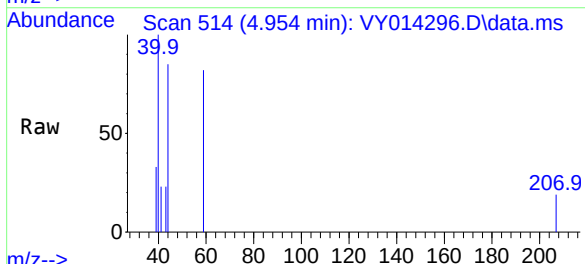
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-R-01-GRAB-6

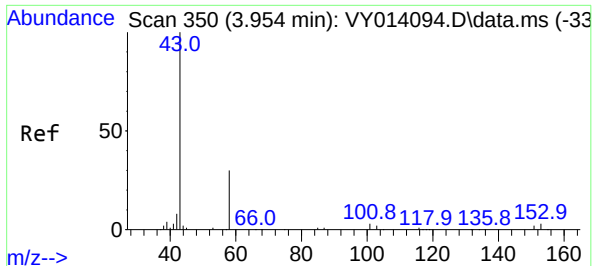
Tgt Ion:168 Resp: 172133
Ion Ratio Lower Upper
168 100
99 52.5 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY014296.D
Acq: 20 Jun 2023 20:14

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

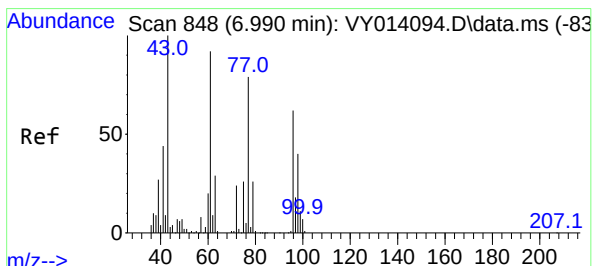
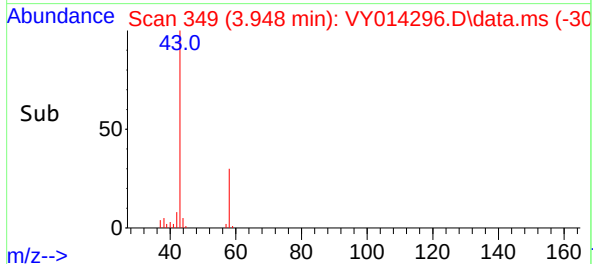
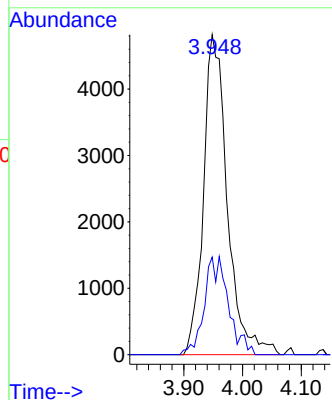
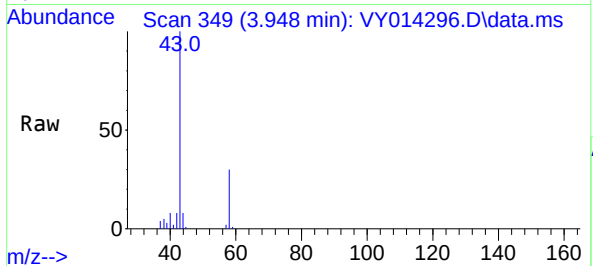




#16
Acetone
Concen: 18.781 ug/l
RT: 3.948 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY014296.D
Acq: 20 Jun 2023 20:14

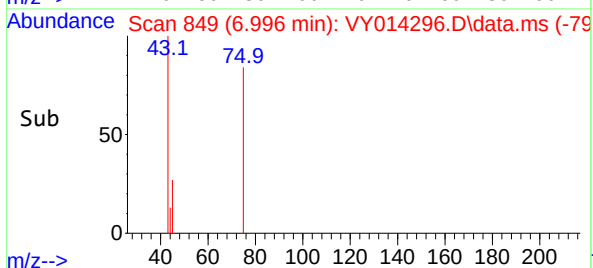
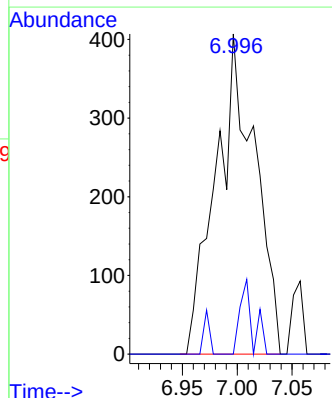
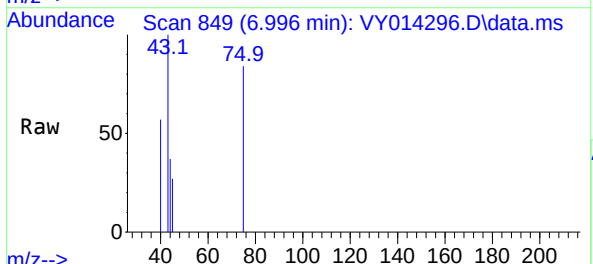
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-R-01-GRAB-6

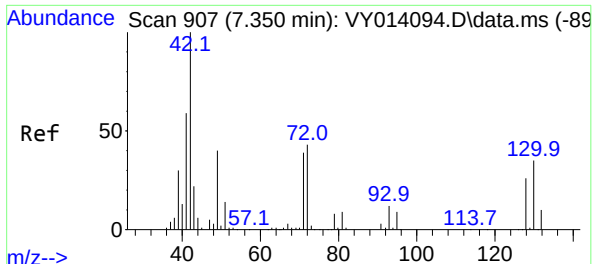
Tgt Ion: 43 Resp: 13570
Ion Ratio Lower Upper
43 100
58 30.5 22.7 34.1



#25
2-Butanone
Concen: 1.134 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY014296.D
Acq: 20 Jun 2023 20:14

Tgt Ion: 43 Resp: 1009
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#





#29

Tetrahydrofuran

Concen: 6.522 ug/l

RT: 7.362 min Scan# 90

Delta R.T. 0.012 min

Lab File: VY014296.D

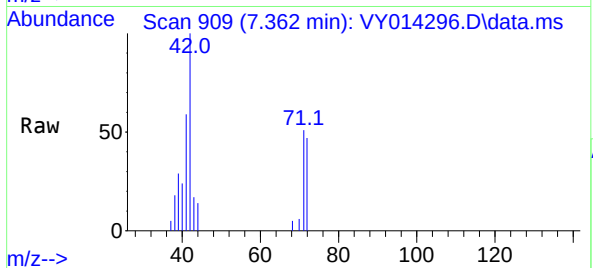
Acq: 20 Jun 2023 20:14

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-R-01-GRAB-6



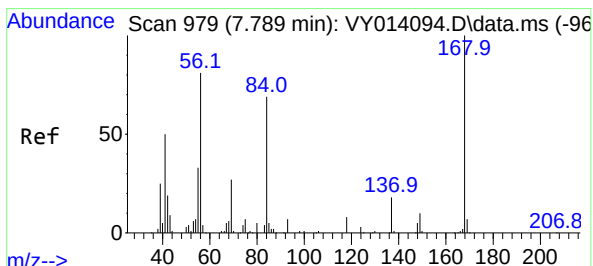
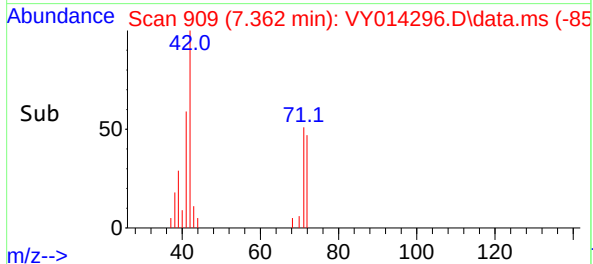
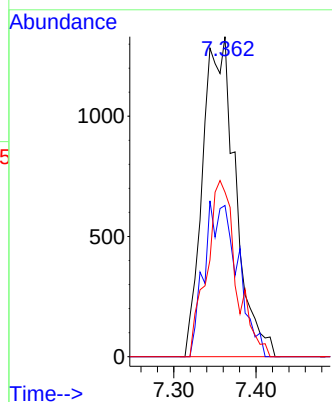
Tgt Ion: 42 Resp: 3678

Ion Ratio Lower Upper

42 100

72 49.5 32.8 49.2#

71 49.3 31.0 46.4#



#31

Cyclohexane

Concen: 1.161 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY014296.D

Acq: 20 Jun 2023 20:14

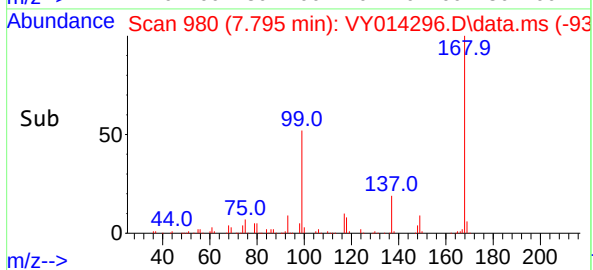
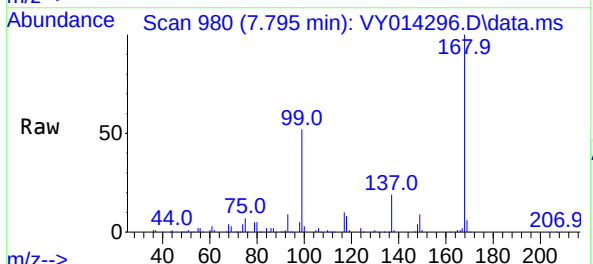
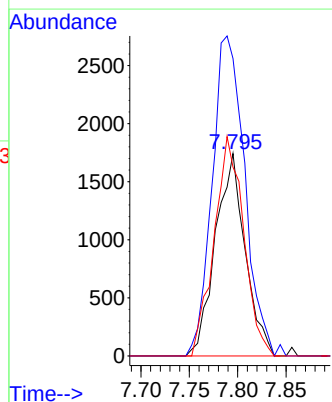
Tgt Ion: 56 Resp: 3728

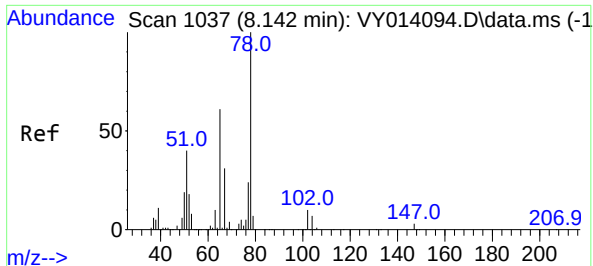
Ion Ratio Lower Upper

56 100

69 146.9 27.8 41.6#

84 93.2 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 53.185 ug/l

RT: 8.143 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY014296.D

Acq: 20 Jun 2023 20:14

Instrument :

MSVOA_Y

ClientSampleId :

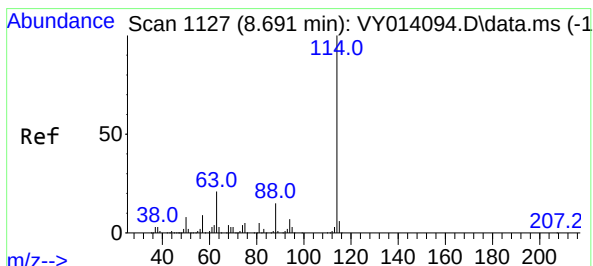
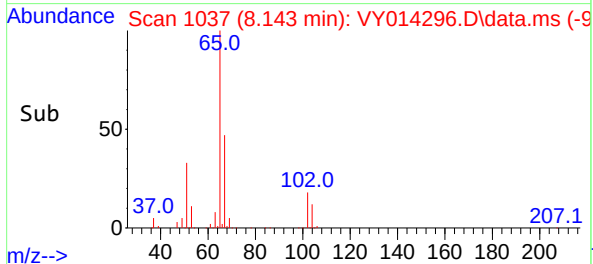
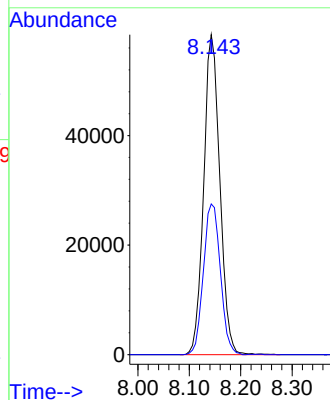
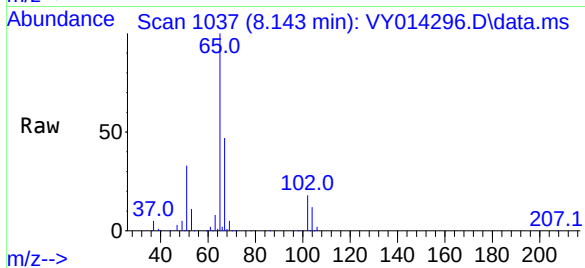
TOTAL-VOC-R-01-GRAB-6

Tgt Ion: 65 Resp: 127483

Ion Ratio Lower Upper

65 100

67 49.5 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: VY014296.D

Acq: 20 Jun 2023 20:14

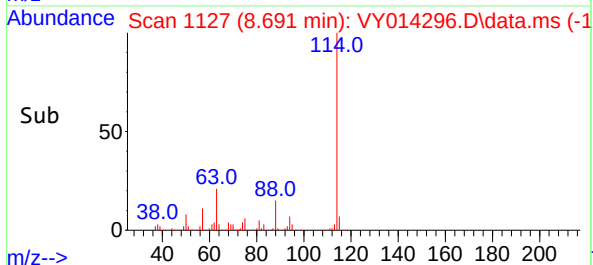
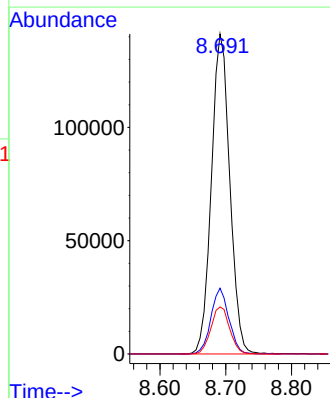
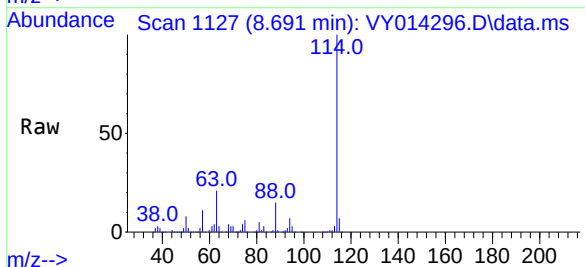
Tgt Ion: 114 Resp: 275039

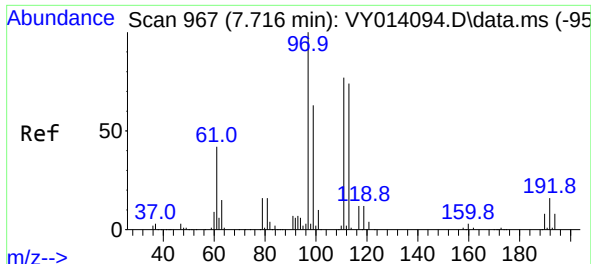
Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.4

88 14.7 0.0 30.6

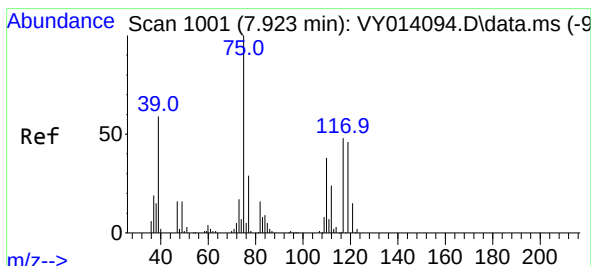
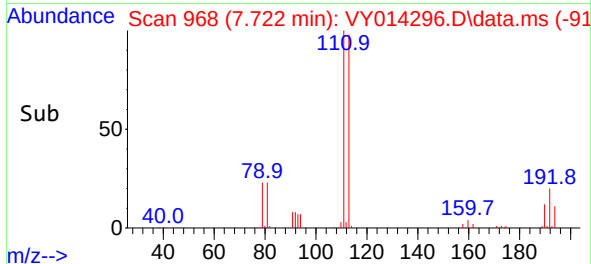
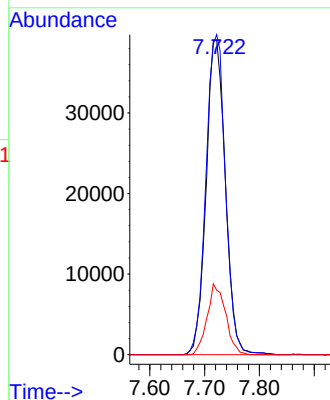
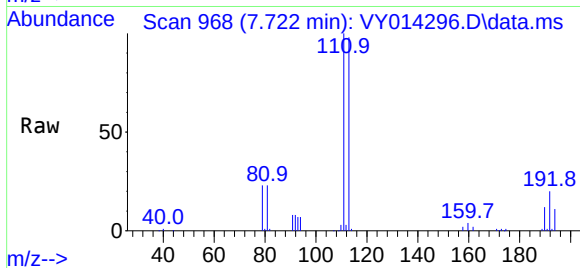




#35
Dibromofluoromethane
Concen: 48.740 ug/l
RT: 7.722 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY014296.D
Acq: 20 Jun 2023 20:14

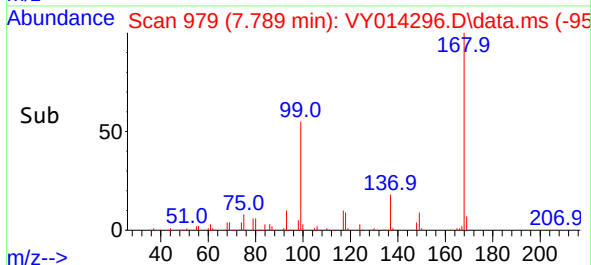
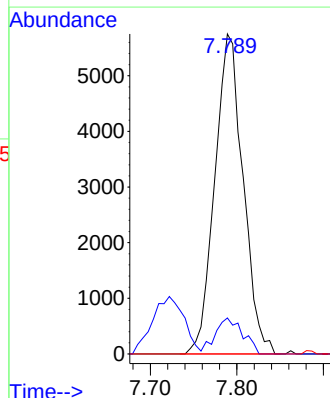
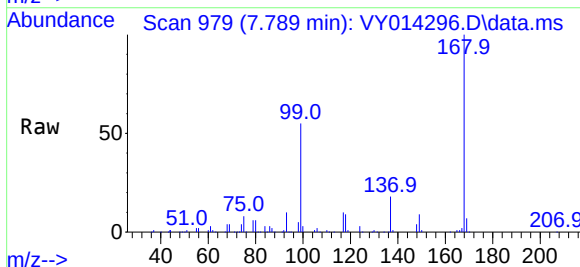
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-R-01-GRAB-6

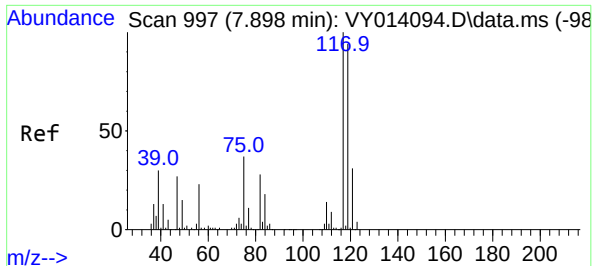
Tgt Ion:113 Resp: 95068
Ion Ratio Lower Upper
113 100
111 103.0 81.3 121.9
192 21.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.289 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014296.D
Acq: 20 Jun 2023 20:14

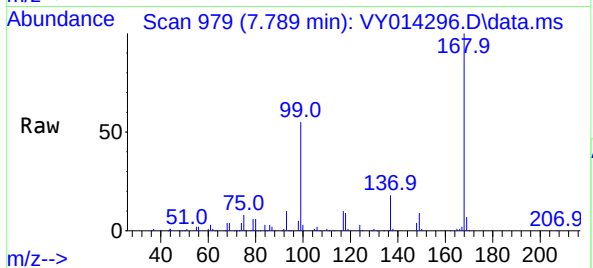
Tgt Ion: 75 Resp: 13041
Ion Ratio Lower Upper
75 100
110 10.9 17.8 53.5#
77 0.0 24.4 36.6#



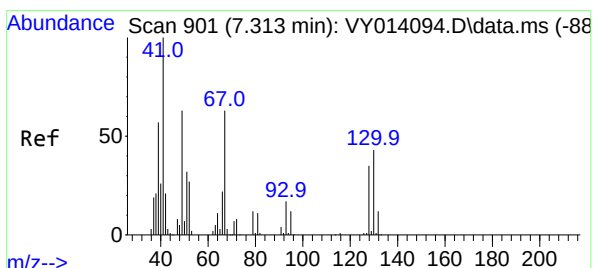
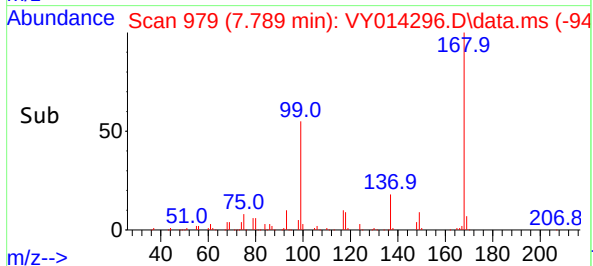
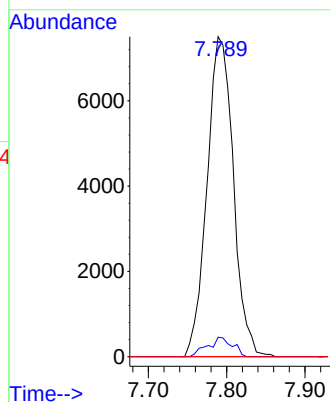


#38
Carbon Tetrachloride
Concen: 4.999 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY014296.D
Acq: 20 Jun 2023 20:14

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-R-01-GRAB-6

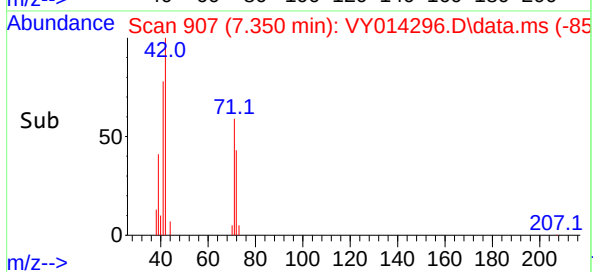
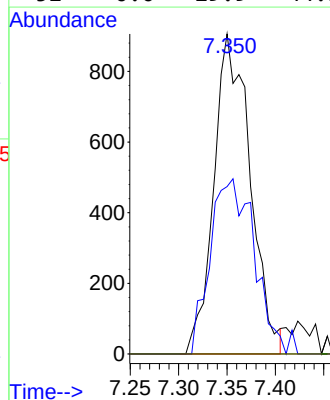
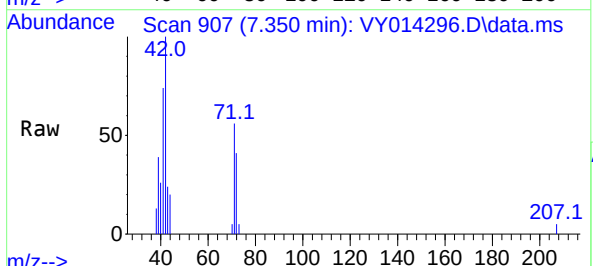


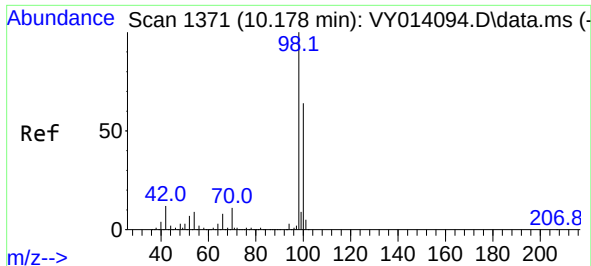
Tgt Ion:117 Resp: 17542
Ion Ratio Lower Upper
117 100
119 6.1 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 2.205 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.037 min
Lab File: VY014296.D
Acq: 20 Jun 2023 20:14

Tgt Ion: 41 Resp: 2361
Ion Ratio Lower Upper
41 100
39 66.4 52.1 78.1
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

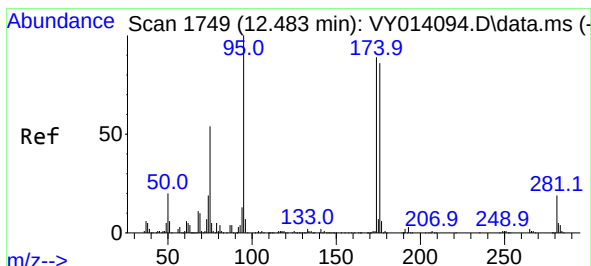
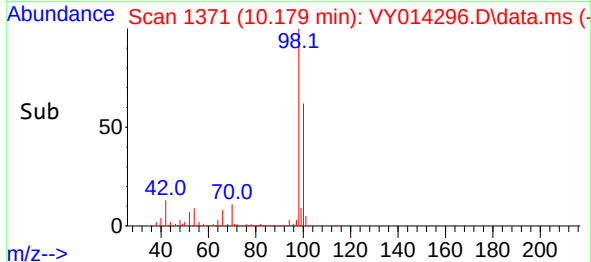
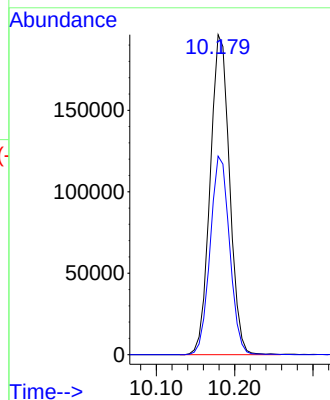
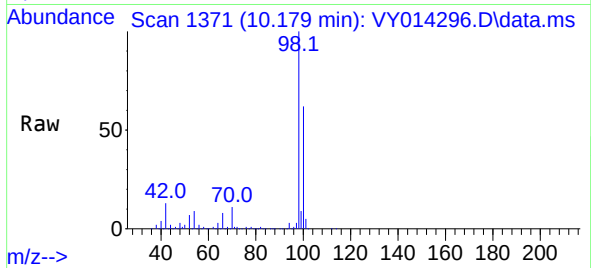




#50
Toluene-d8
Concen: 46.315 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014296.D
Acq: 20 Jun 2023 20:14

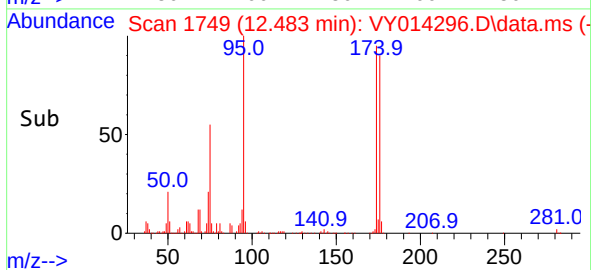
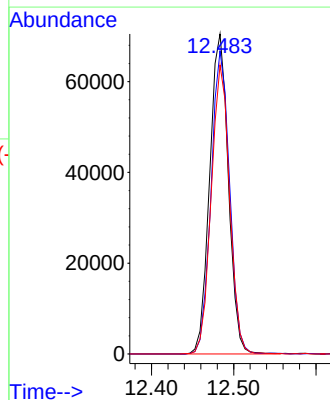
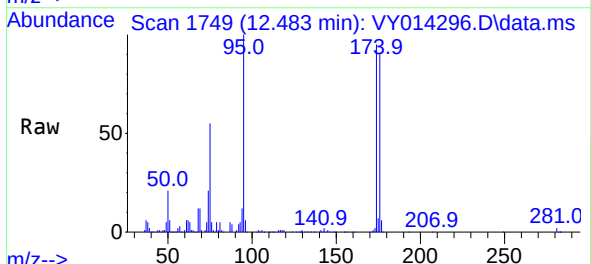
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-R-01-GRAB-6

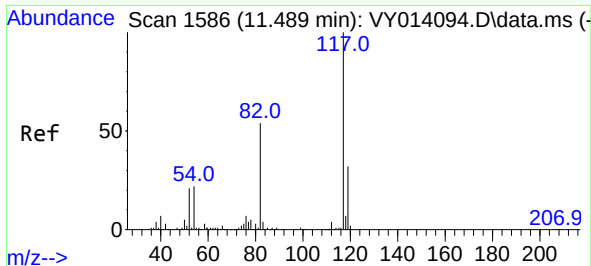
Tgt Ion: 98 Resp: 337739
Ion Ratio Lower Upper
98 100
100 62.3 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 42.944 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014296.D
Acq: 20 Jun 2023 20:14

Tgt Ion: 95 Resp: 111242
Ion Ratio Lower Upper
95 100
174 93.6 0.0 178.2
176 89.0 0.0 173.8

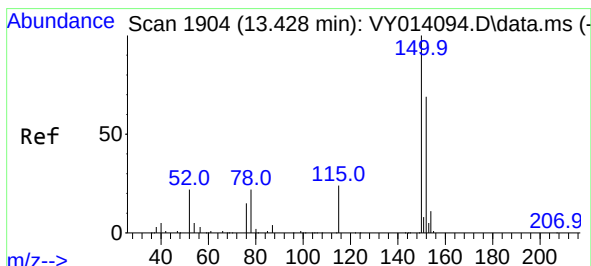
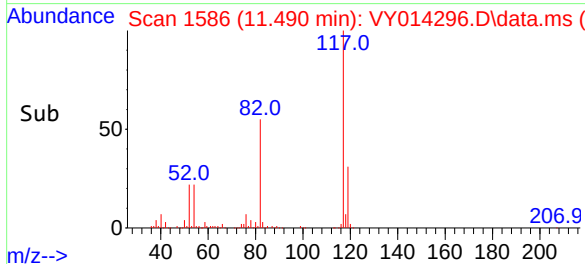
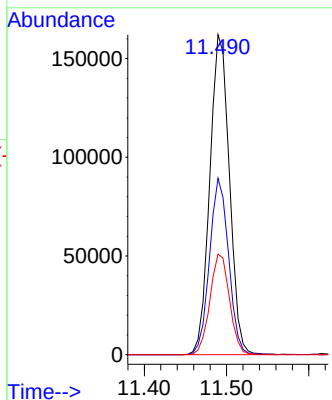
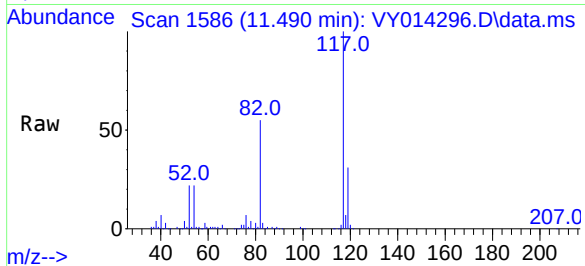




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.001 min
Lab File: VY014296.D
Acq: 20 Jun 2023 20:14

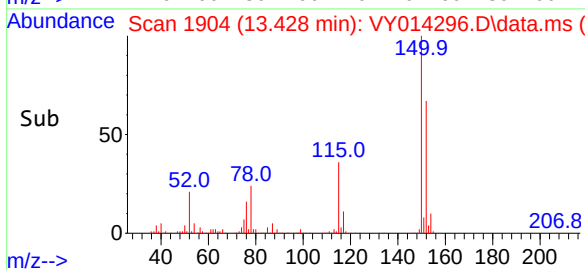
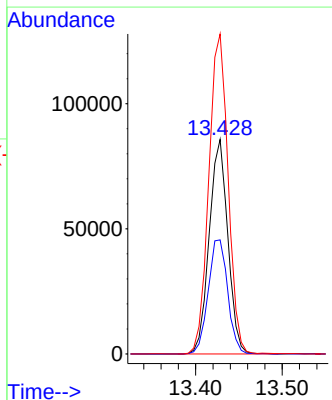
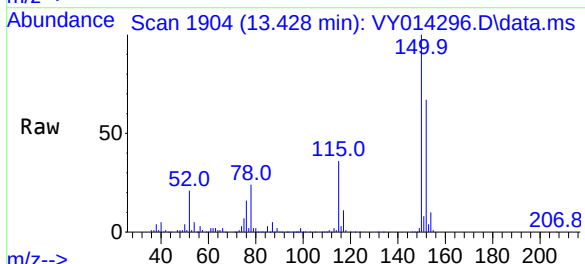
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-R-01-GRAB-6

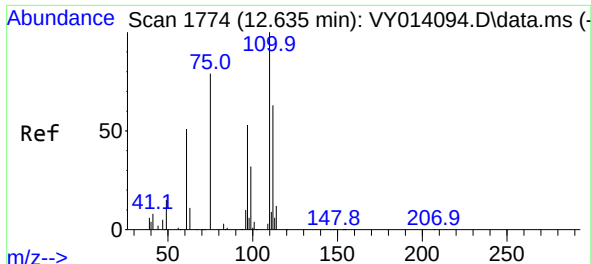
Tgt Ion:117 Resp: 268372
Ion Ratio Lower Upper
117 100
82 55.1 43.4 65.0
119 31.4 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014296.D
Acq: 20 Jun 2023 20:14

Tgt Ion:152 Resp: 128059
Ion Ratio Lower Upper
152 100
115 55.8 28.8 86.5
150 154.3 0.0 348.8

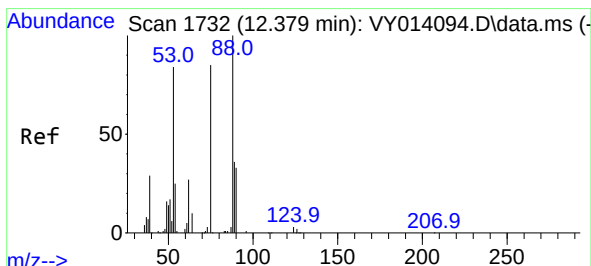
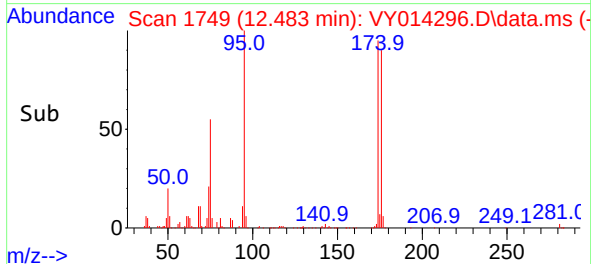
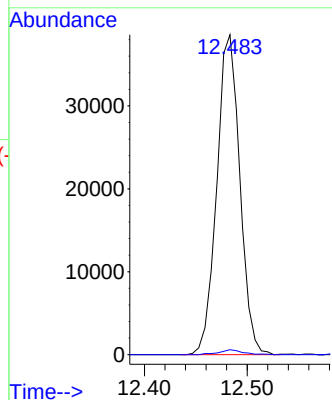
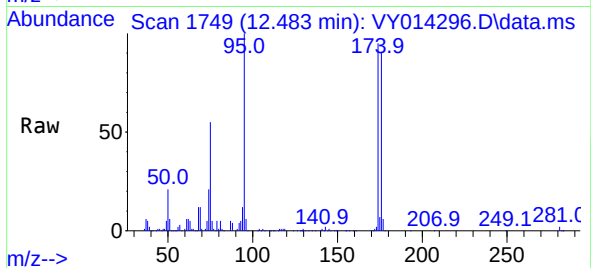




#76
1,2,3-Trichloropropane
Concen: 35.738 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014296.D
Acq: 20 Jun 2023 20:14

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-R-01-GRAB-6

Tgt Ion: 75 Resp: 60044
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.252 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014296.D
Acq: 20 Jun 2023 20:14

Tgt Ion: 75 Resp: 60044
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.0 37.4 56.0#

