

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014289.D
 Acq On : 20 Jun 2023 17:30
 Operator : KP/MD
 Sample : 03298-11
 Misc : 9.17g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-TW-05-GRAB-6

Quant Time: Jun 21 02:08:58 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)

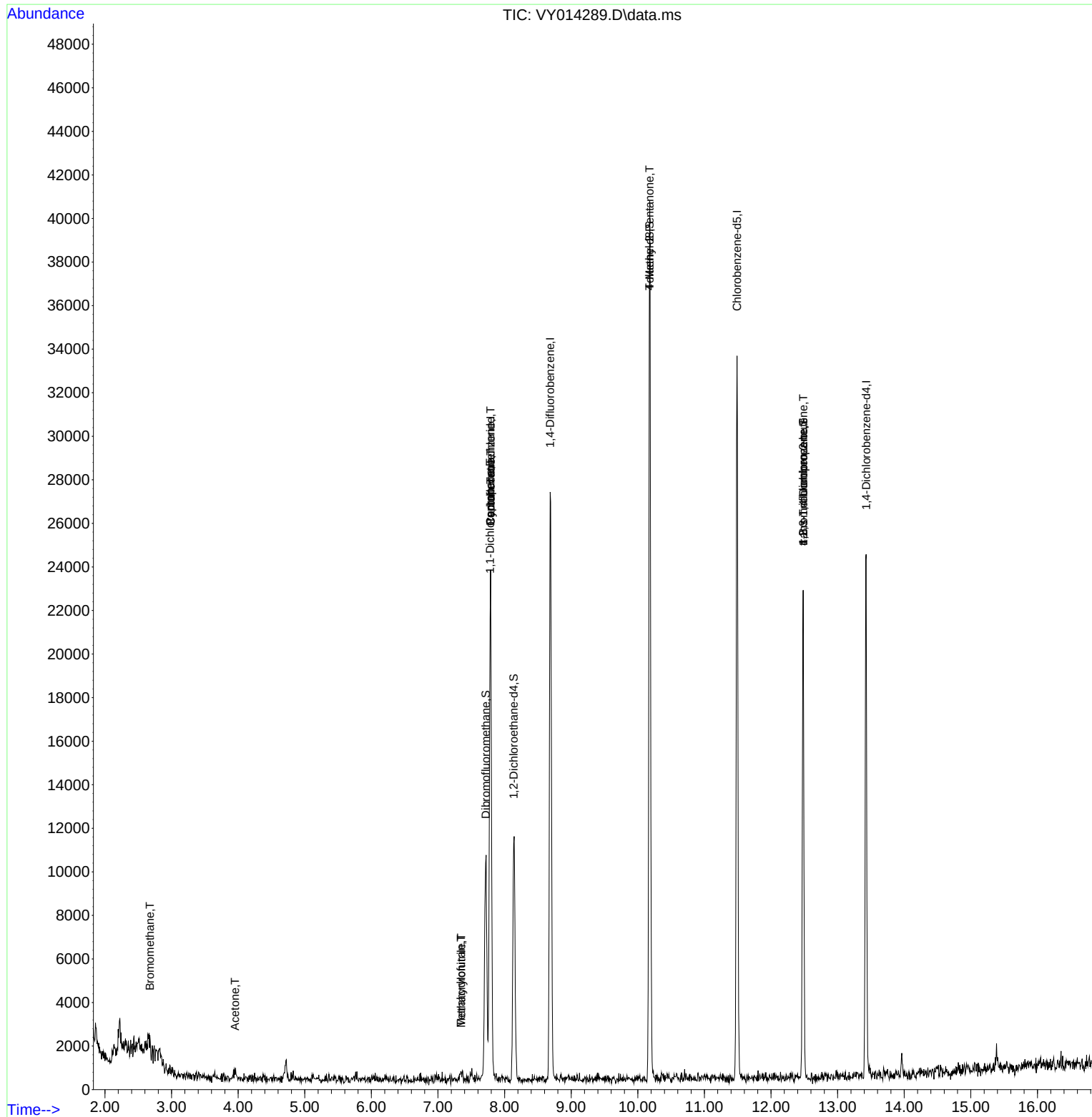
Internal Standards						
1) Pentafluorobenzene	7.789	168	17847	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	23916	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	18680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	6613	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	9795	39.413	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	78.820%		
35) Dibromofluoromethane	7.716	113	7466	44.019	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.040%		
50) Toluene-d8	10.179	98	28048	44.233	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	88.460%		
62) 4-Bromofluorobenzene	12.483	95	6302	27.978	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	55.960%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.674	94	223	1.102	ug/l	91
16) Acetone	3.954	43	890	11.881	ug/l #	46
20) Methylene Chloride	4.716	84	495	Below Cal	#	68
29) Tetrahydrofuran	7.344	42	386	6.601	ug/l #	47
31) Cyclohexane	7.789	56	335	1.006	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	1434	5.423	ug/l #	45
38) Carbon Tetrachloride	7.789	117	1893	6.204	ug/l #	17
41) Methacrylonitrile	7.350	41	213	2.288	ug/l #	28
51) 4-Methyl-2-Pentanone	10.179	43	313	1.802	ug/l	97
76) 1,2,3-Trichloropropane	12.483	75	3566	41.101	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	3566	88.845	ug/l #	10

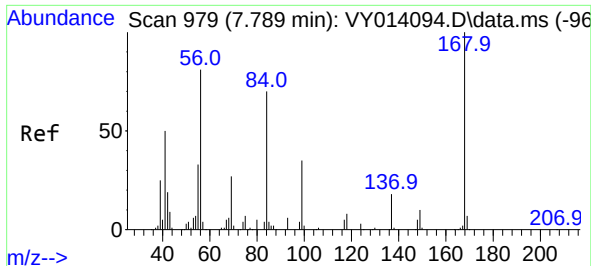
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

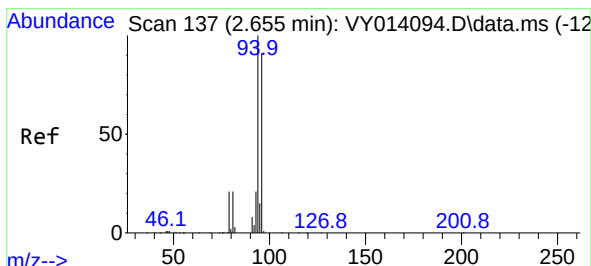
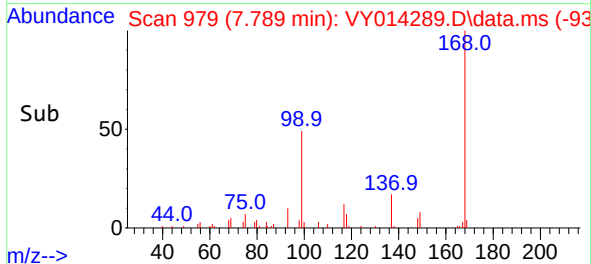
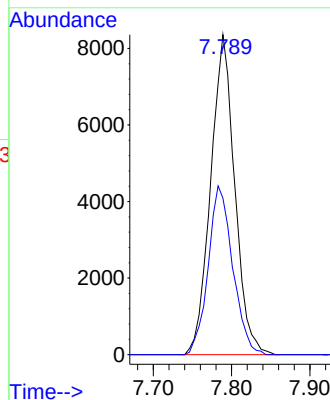
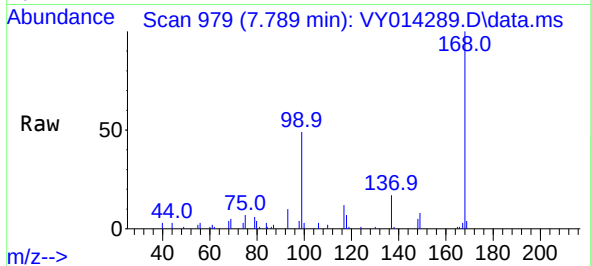




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014289.D
Acq: 20 Jun 2023 17:30

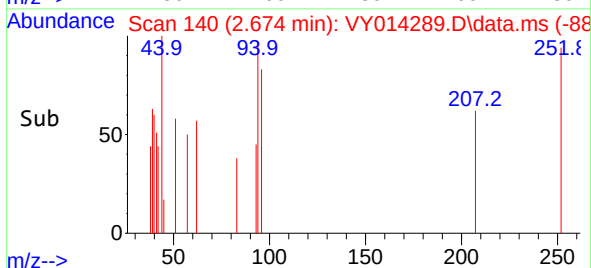
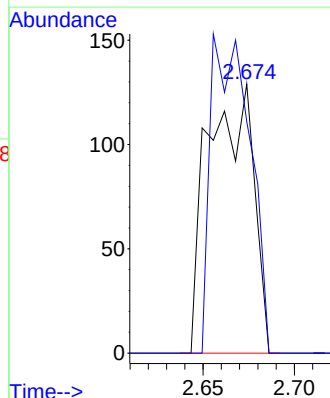
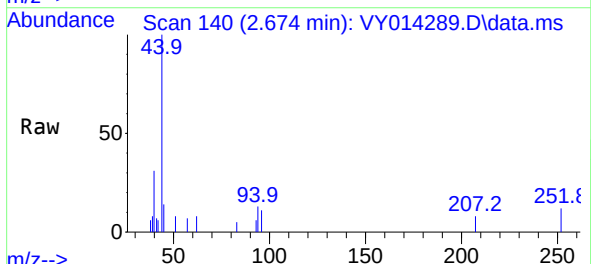
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-05-GRAB-6

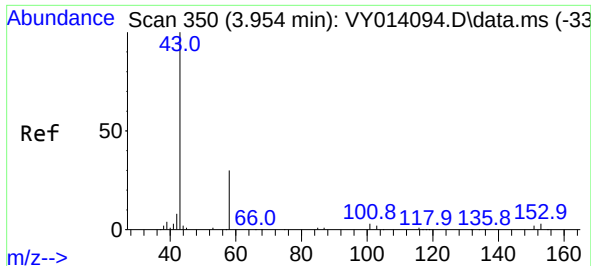
Tgt Ion:168 Resp: 17847
Ion Ratio Lower Upper
168 100
99 48.9 43.4 65.0



#5
Bromomethane
Concen: 1.102 ug/l
RT: 2.674 min Scan# 140
Delta R.T. 0.019 min
Lab File: VY014289.D
Acq: 20 Jun 2023 17:30

Tgt Ion: 94 Resp: 223
Ion Ratio Lower Upper
94 100
96 86.0 75.8 113.6

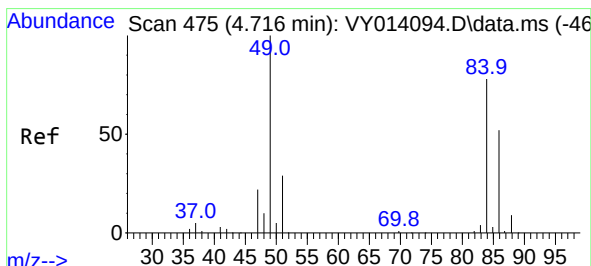
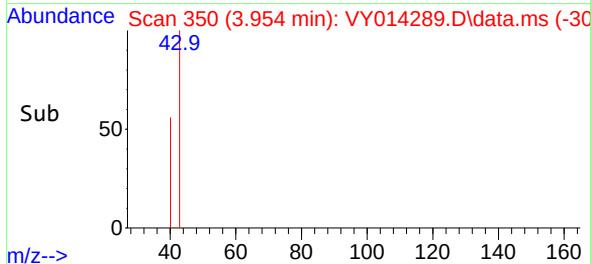
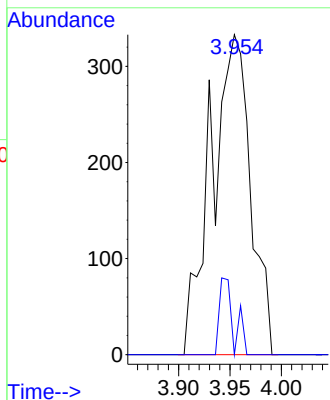
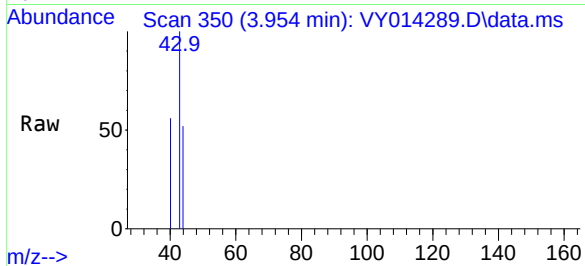




#16
Acetone
Concen: 11.881 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY014289.D
Acq: 20 Jun 2023 17:30

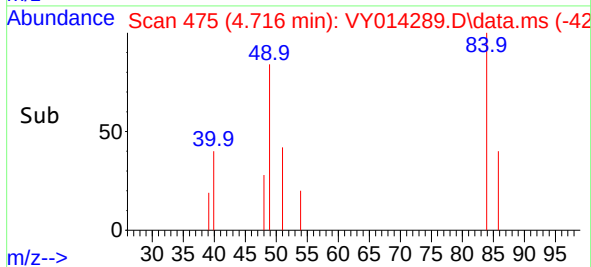
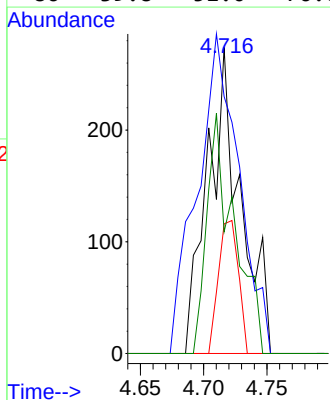
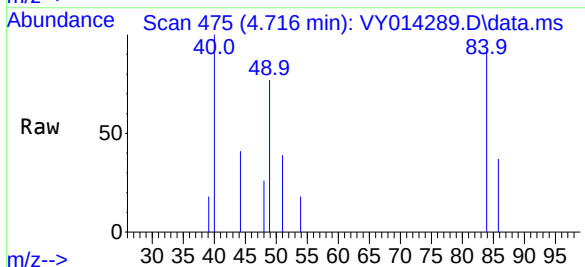
Instrument :
MSVOA_Y
ClientSampleId :
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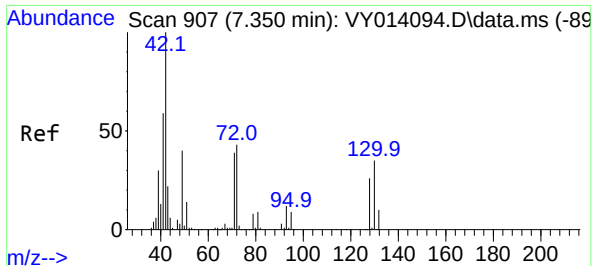
Tgt Ion: 43 Resp: 890
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY014289.D
Acq: 20 Jun 2023 17:30

Tgt Ion: 84 Resp: 495
Ion Ratio Lower Upper
84 100
49 83.9 106.9 160.3#
51 42.3 33.2 49.8
86 39.8 51.0 76.6#

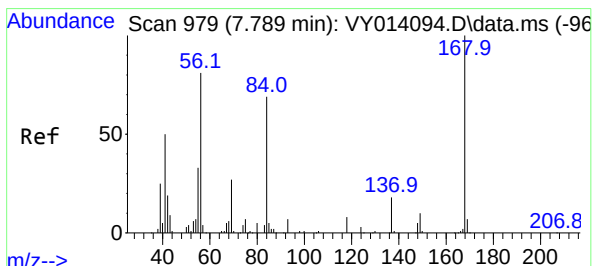
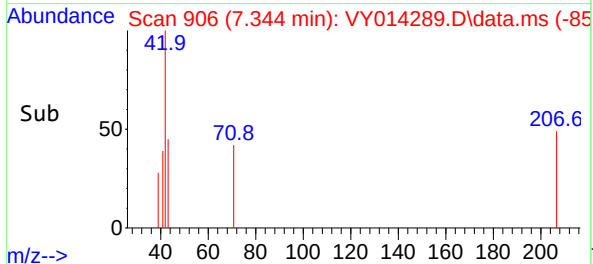
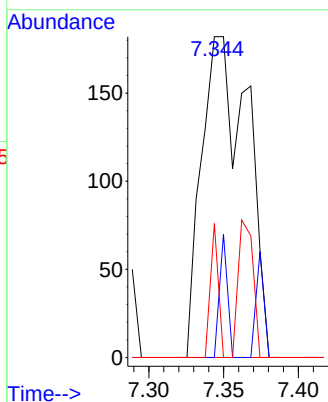
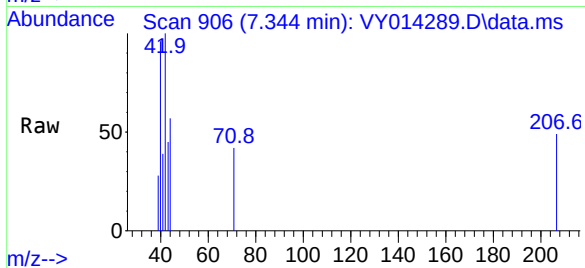




#29
Tetrahydrofuran
Concen: 6.601 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY014289.D
Acq: 20 Jun 2023 17:30

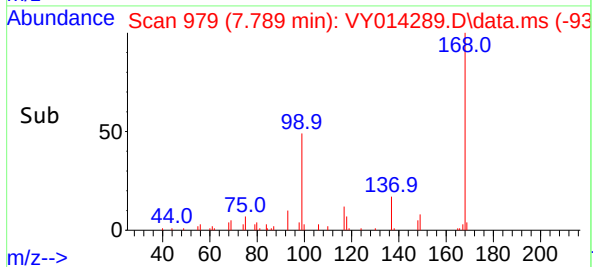
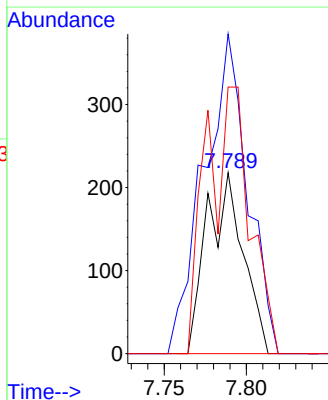
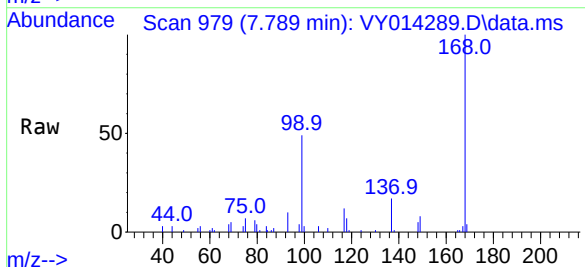
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-05-GRAB-6

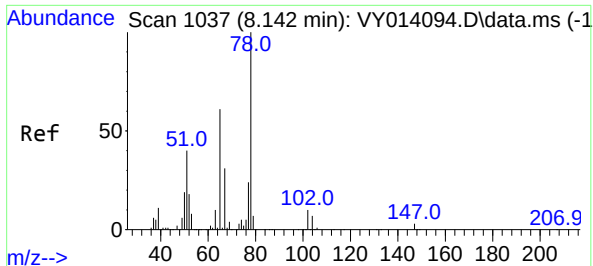
Tgt Ion:	42	Resp:	386
Ion	Ratio	Lower	Upper
42	100		
72	6.7	32.8	49.2#
71	7.3	31.0	46.4#



#31
Cyclohexane
Concen: 1.006 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY014289.D
Acq: 20 Jun 2023 17:30

Tgt Ion:	56	Resp:	335
Ion	Ratio	Lower	Upper
56	100		
69	176.6	27.8	41.6#
84	147.2	66.4	99.6#





#33

1,2-Dichloroethane-d4

Concen: 39.413 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY014289.D

Acq: 20 Jun 2023 17:30

Instrument :

MSVOA_Y

ClientSampleId :

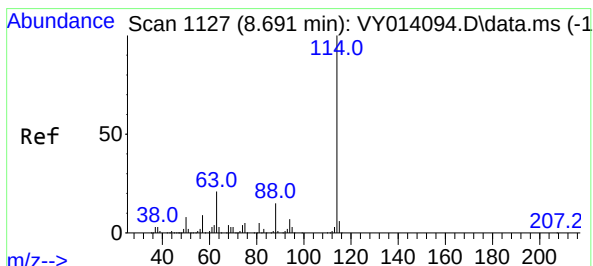
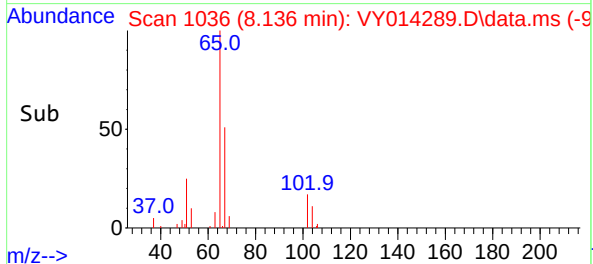
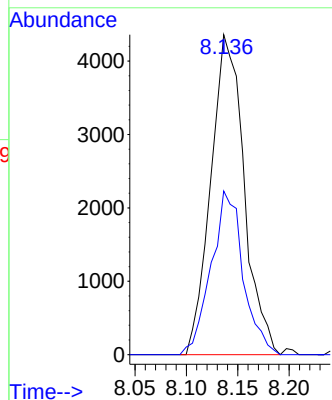
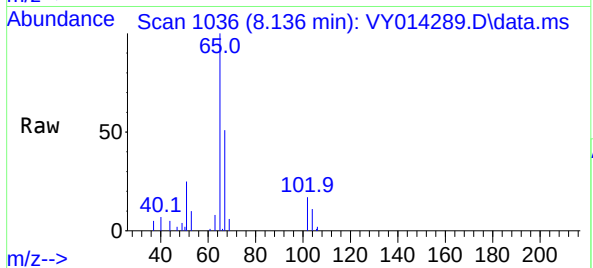
TOTAL-VOC-TW-05-GRAB-6

Tgt Ion: 65 Resp: 9795

Ion Ratio Lower Upper

65 100

67 49.2 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: VY014289.D

Acq: 20 Jun 2023 17:30

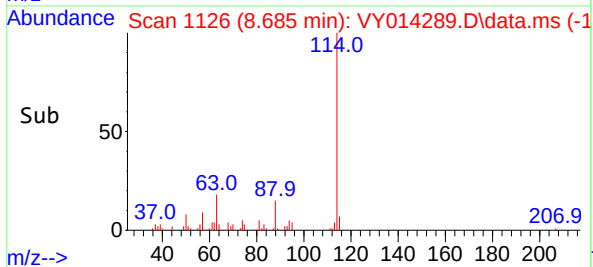
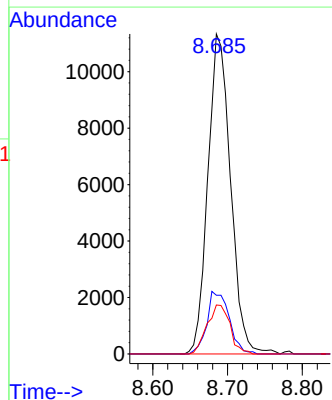
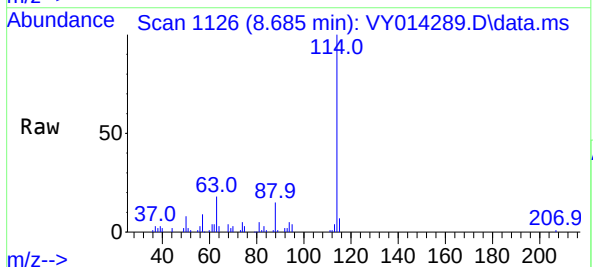
Tgt Ion: 114 Resp: 23916

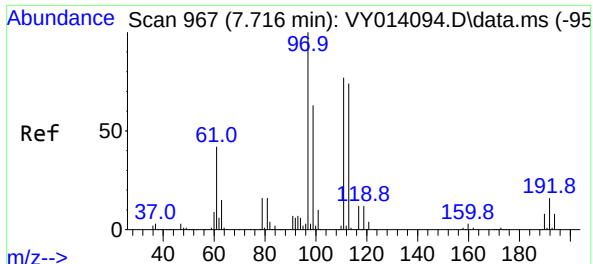
Ion Ratio Lower Upper

114 100

63 18.3 0.0 42.4

88 15.3 0.0 30.6

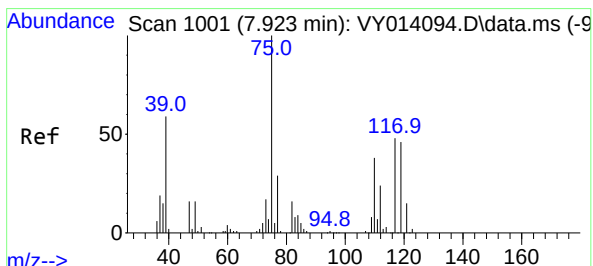
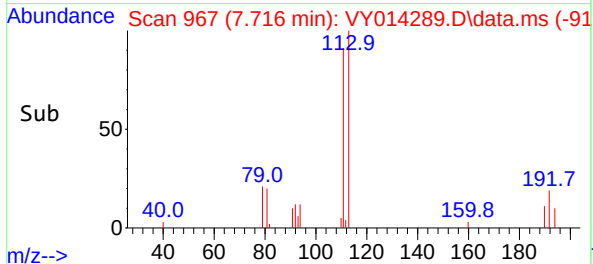
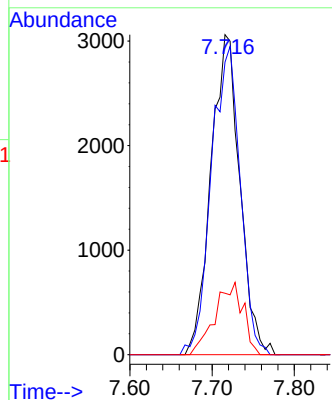
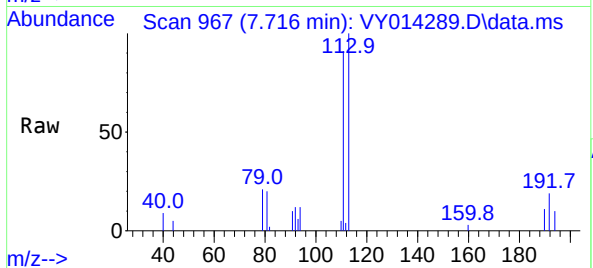




#35
Dibromofluoromethane
Concen: 44.019 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014289.D
Acq: 20 Jun 2023 17:30

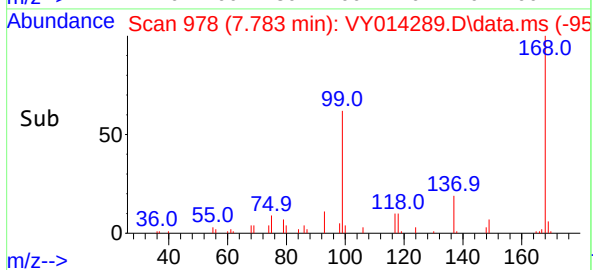
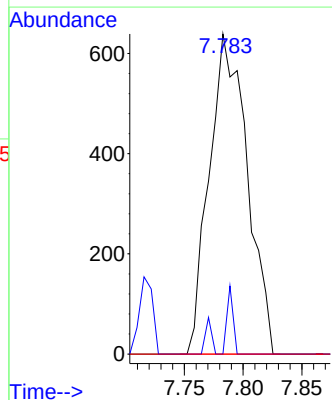
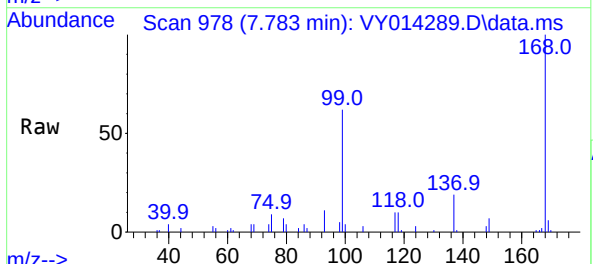
Instrument :
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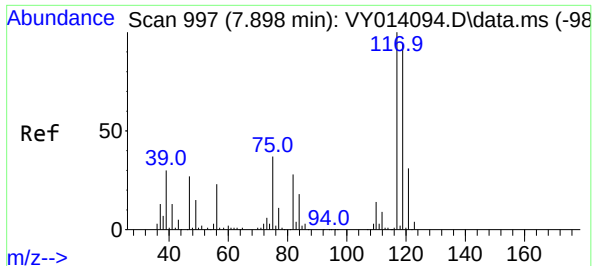
Tgt Ion:113 Resp: 7466
Ion Ratio Lower Upper
113 100
111 96.5 81.3 121.9
192 22.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.423 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY014289.D
Acq: 20 Jun 2023 17:30

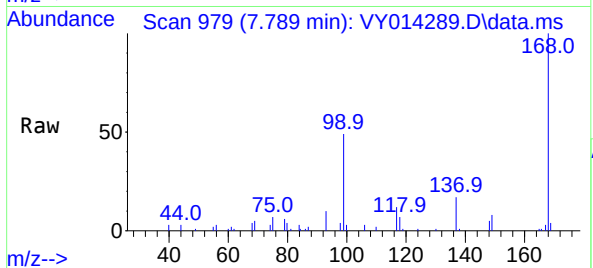
Tgt Ion: 75 Resp: 1434
Ion Ratio Lower Upper
75 100
110 3.5 17.8 53.5#
77 0.0 24.4 36.6#



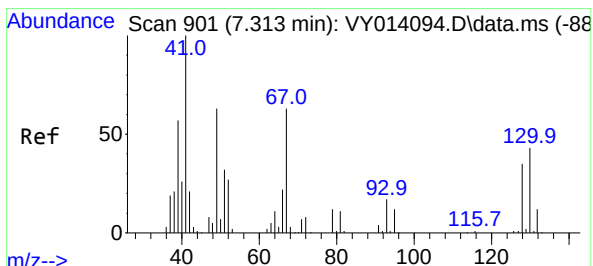
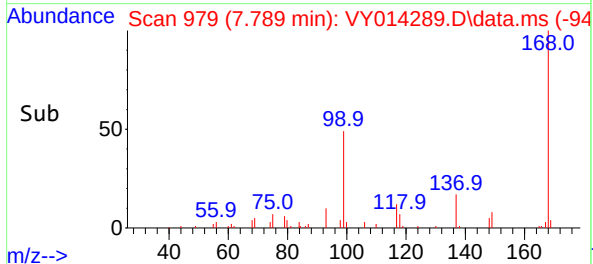
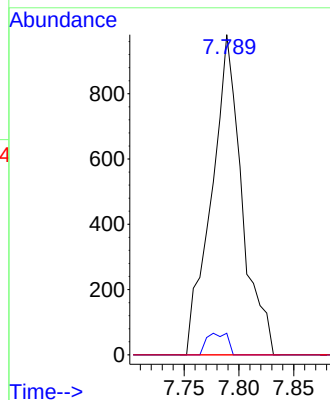


#38
Carbon Tetrachloride
Concen: 6.204 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY014289.D
Acq: 20 Jun 2023 17:30

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-05-GRAB-6

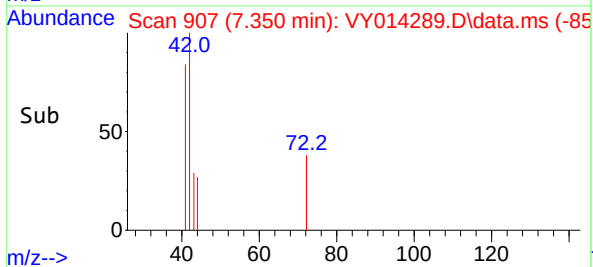
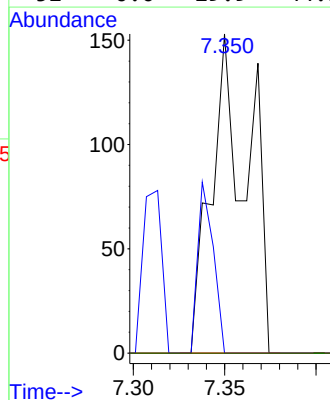
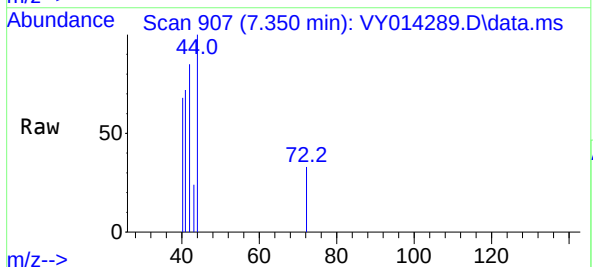


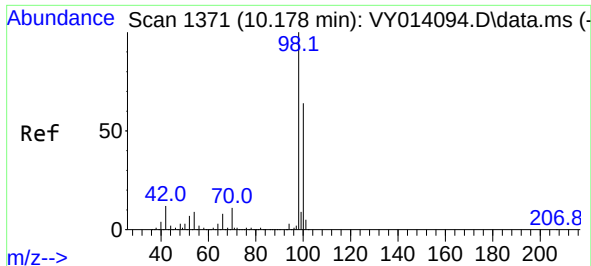
Tgt Ion:117 Resp: 1893
Ion Ratio Lower Upper
117 100
119 6.7 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 2.288 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.037 min
Lab File: VY014289.D
Acq: 20 Jun 2023 17:30

Tgt Ion: 41 Resp: 213
Ion Ratio Lower Upper
41 100
39 23.0 52.1 78.1#
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

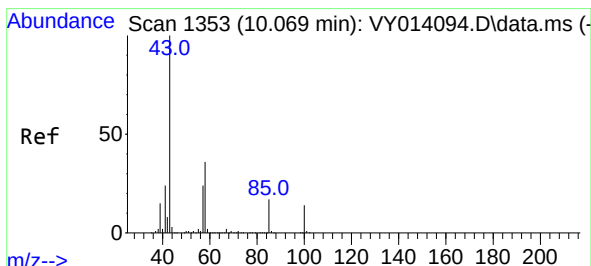
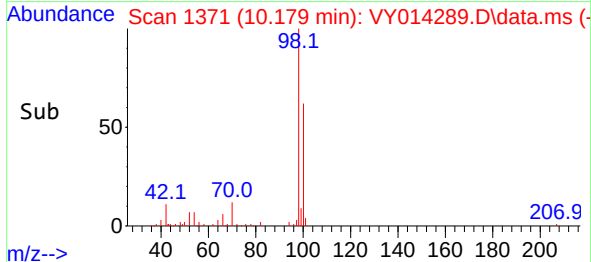
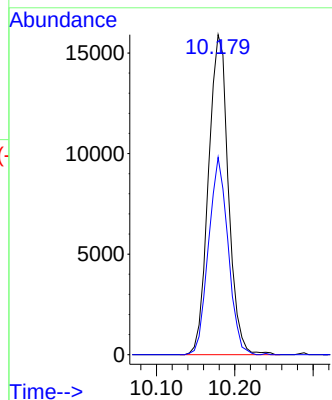
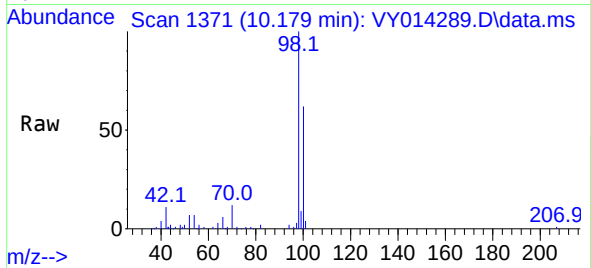




#50
Toluene-d8
Concen: 44.233 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014289.D
Acq: 20 Jun 2023 17:30

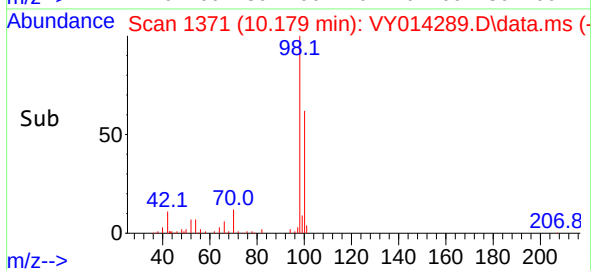
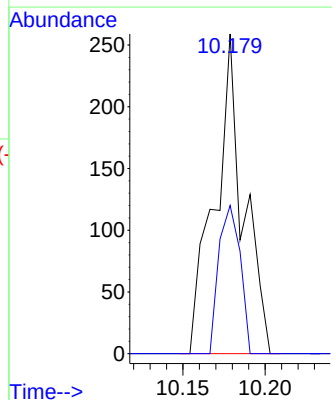
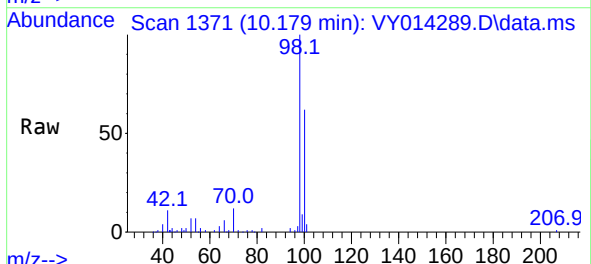
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-05-GRAB-6

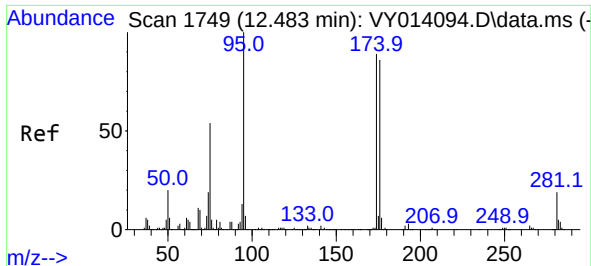
Tgt Ion: 98 Resp: 28048
Ion Ratio Lower Upper
98 100
100 60.5 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 1.802 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.110 min
Lab File: VY014289.D
Acq: 20 Jun 2023 17:30

Tgt Ion: 43 Resp: 313
Ion Ratio Lower Upper
43 100
58 34.5 29.0 43.6

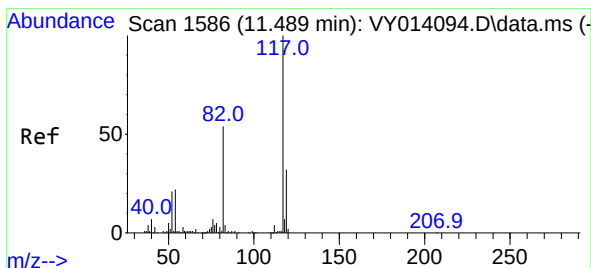
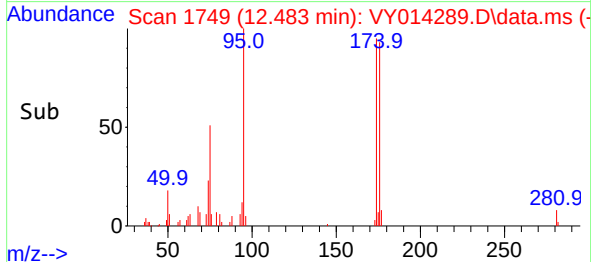
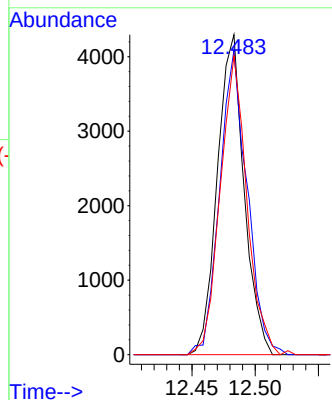
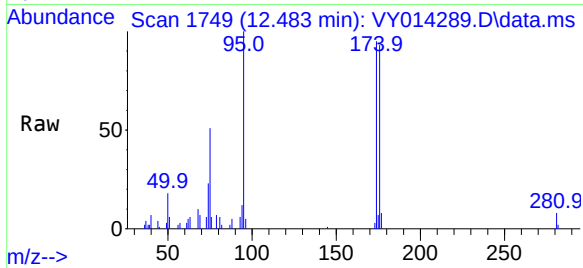




#62
4-Bromofluorobenzene
Concen: 27.978 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014289.D
Acq: 20 Jun 2023 17:30

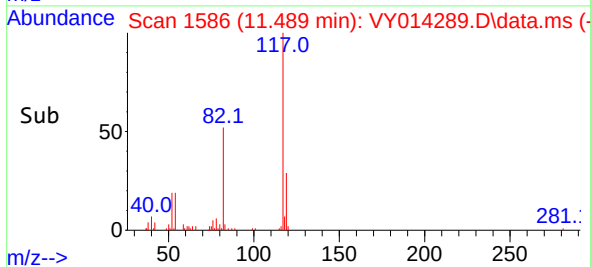
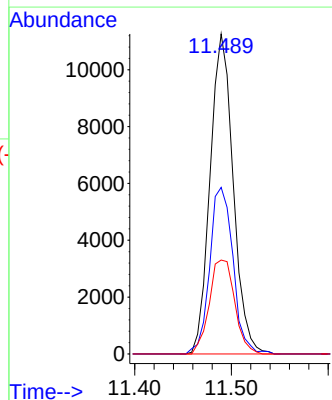
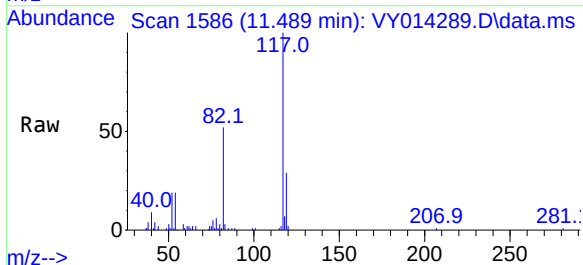
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-05-GRAB-6

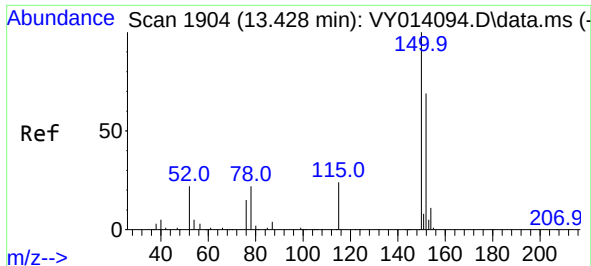
Tgt Ion:	95	Resp:	6302
Ion	Ratio	Lower	Upper
95	100		
174	97.4	0.0	178.2
176	93.5	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014289.D
Acq: 20 Jun 2023 17:30

Tgt Ion:	117	Resp:	18680
Ion	Ratio	Lower	Upper
117	100		
82	52.0	43.4	65.0
119	29.4	26.3	39.5

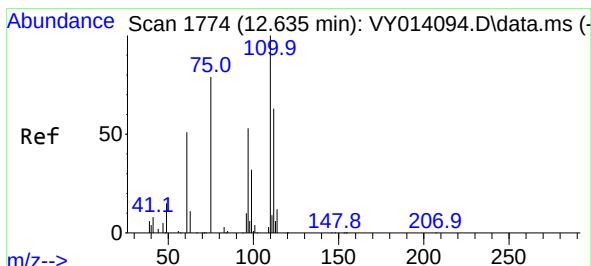
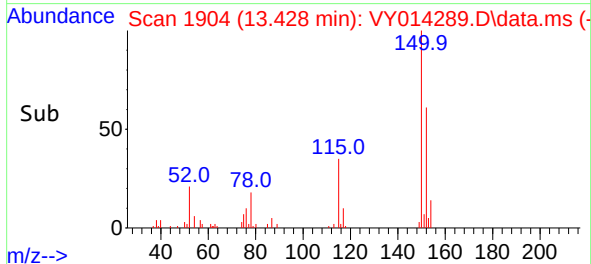
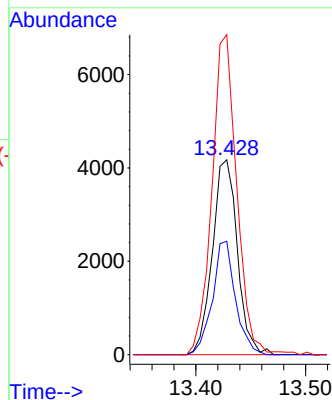
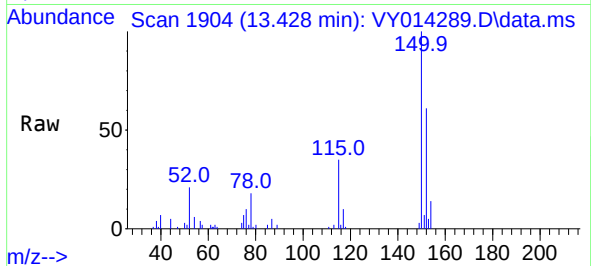




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014289.D
Acq: 20 Jun 2023 17:30

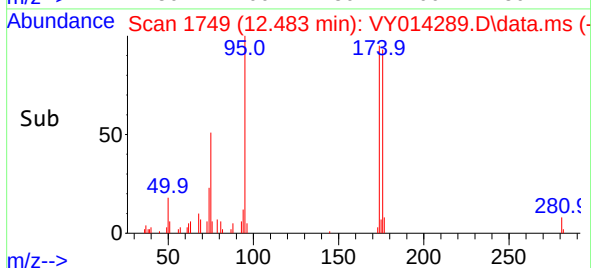
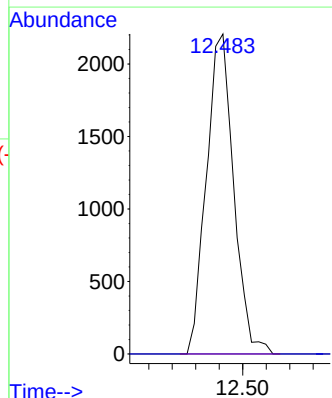
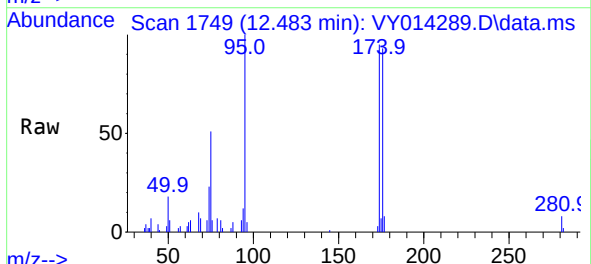
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-05-GRAB-6

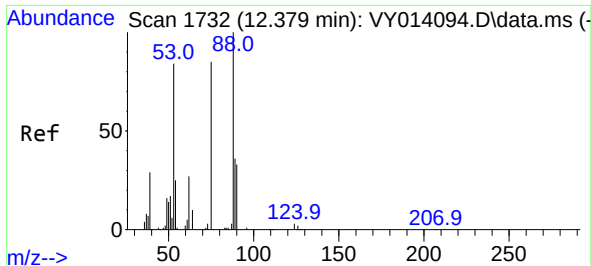
Tgt Ion:152 Resp: 6613
Ion Ratio Lower Upper
152 100
115 53.7 28.8 86.5
150 163.2 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 41.101 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014289.D
Acq: 20 Jun 2023 17:30

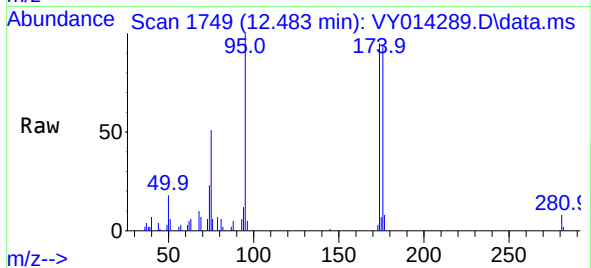
Tgt Ion: 75 Resp: 3566
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.845 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014289.D
 Acq: 20 Jun 2023 17:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-TW-05-GRAB-6



Tgt Ion: 75 Resp: 3566
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

