

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014288.D
 Acq On : 20 Jun 2023 17:06
 Operator : KP/MD
 Sample : 03298-05
 Misc : 5.68g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-TW-04-GRAB-6

Quant Time: Jun 21 02:08:49 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)

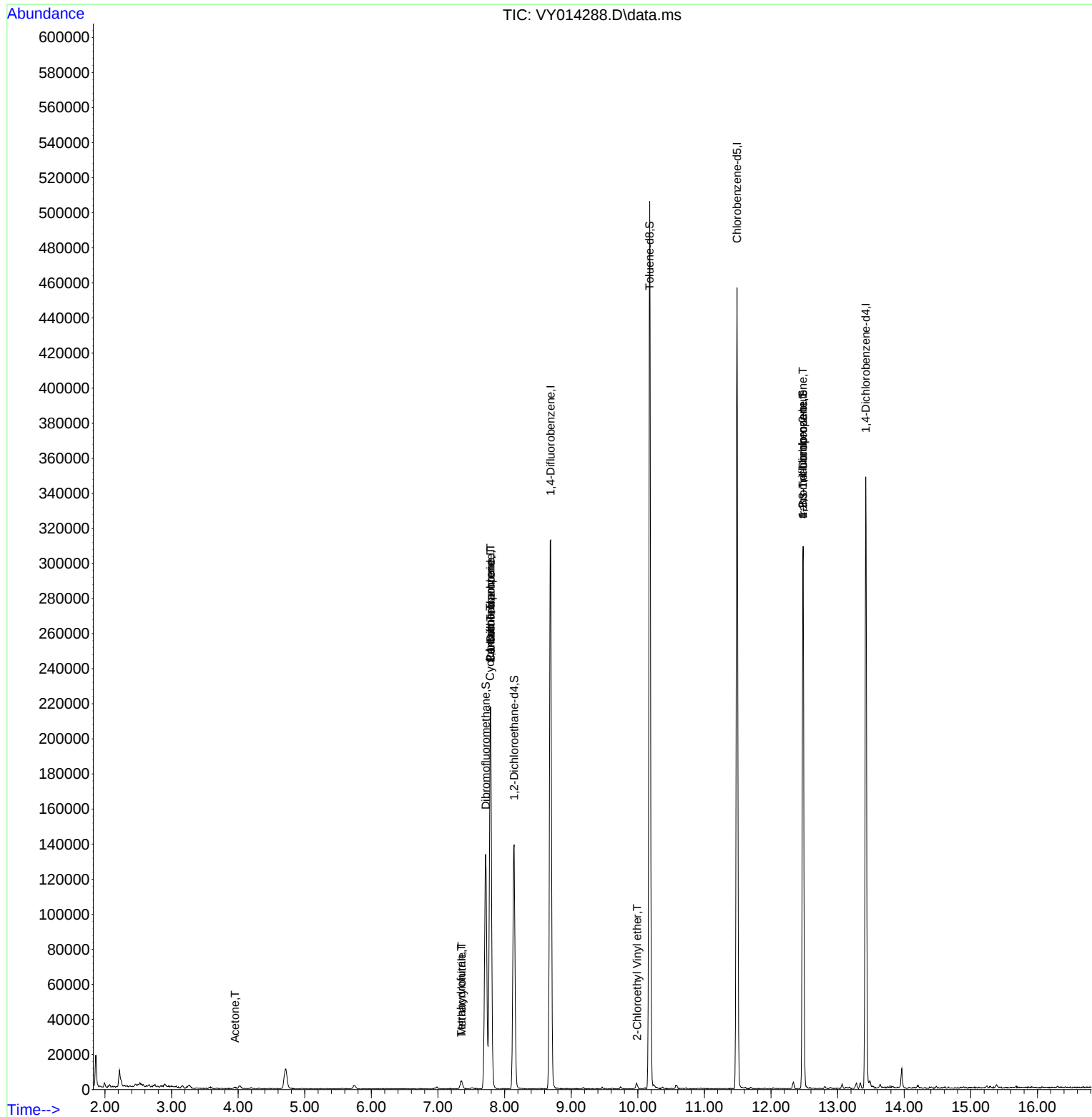
Internal Standards						
1) Pentafluorobenzene	7.789	168	167801	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	267540	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	235291	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	90137	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	114867	49.159	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.320%		
35) Dibromofluoromethane	7.716	113	90386	47.638	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.280%		
50) Toluene-d8	10.179	98	318465	44.896	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	89.800%		
62) 4-Bromofluorobenzene	12.477	95	87618	34.772	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	69.540%		
Target Compounds						
11) Tert butyl alcohol	4.954	59	342	Below Cal	#	89
16) Acetone	3.954	43	1128	1.601	ug/l #	81
29) Tetrahydrofuran	7.350	42	3517	6.397	ug/l	97
31) Cyclohexane	7.783	56	3885	1.241	ug/l #	37
36) 1,1-Dichloropropene	7.789	75	12537	4.238	ug/l #	50
38) Carbon Tetrachloride	7.789	117	15955	4.674	ug/l #	16
41) Methacrylonitrile	7.356	41	2368	2.273	ug/l #	30
58) 2-Chloroethyl Vinyl ether	9.990	63	20	28.635	ug/l #	48
76) 1,2,3-Trichloropropane	12.477	75	47810	40.429	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	47810	87.391	ug/l #	11

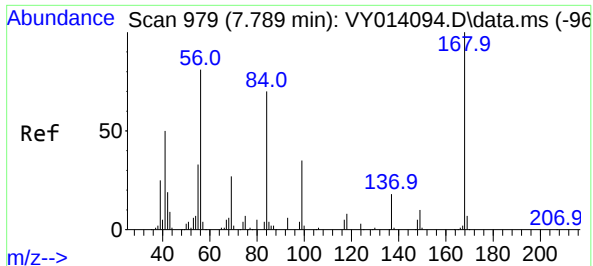
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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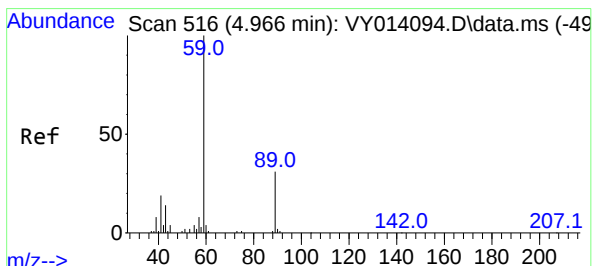
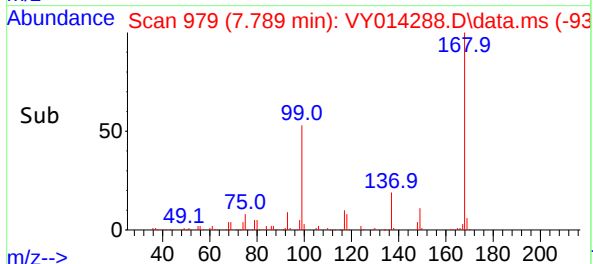
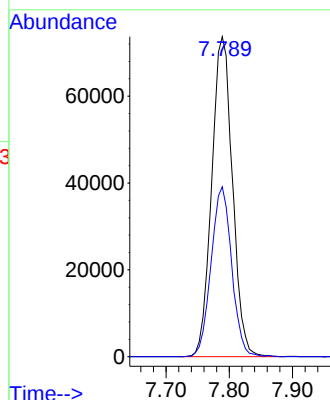
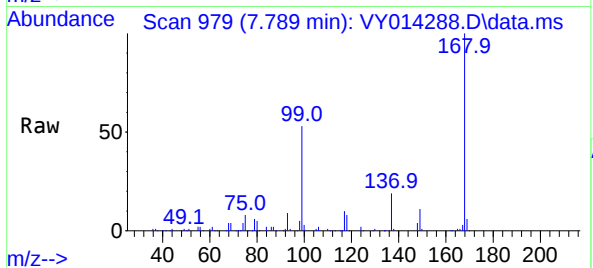




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014288.D
Acq: 20 Jun 2023 17:06

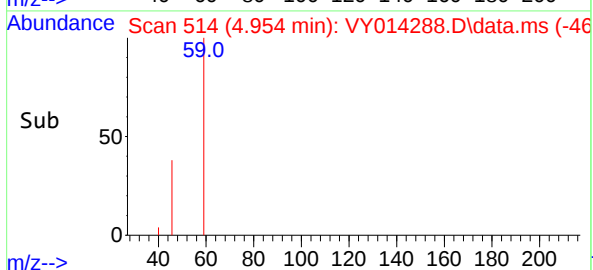
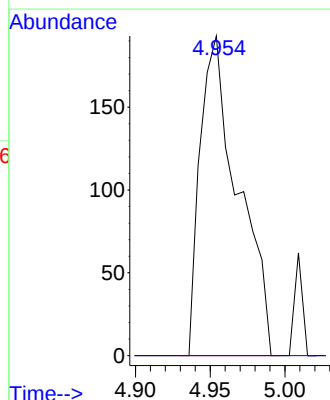
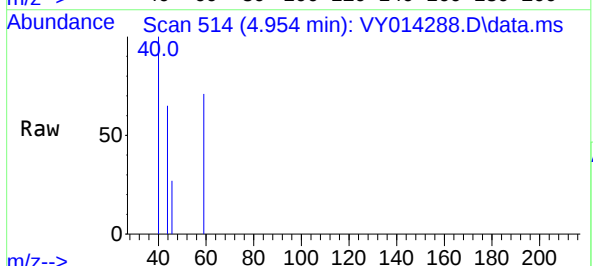
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-04-GRAB-6

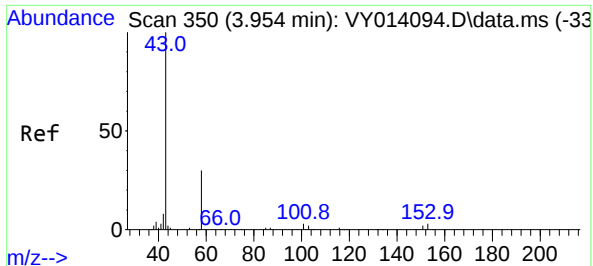
Tgt Ion:168 Resp: 167801
Ion Ratio Lower Upper
168 100
99 53.1 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY014288.D
Acq: 20 Jun 2023 17:06

Tgt Ion: 59 Resp: 342
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

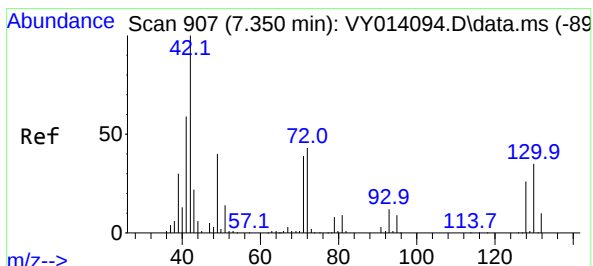
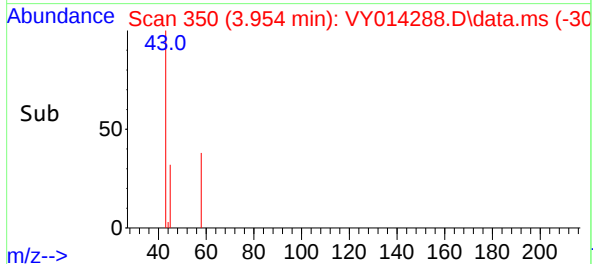
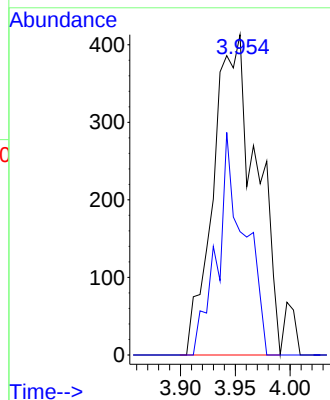
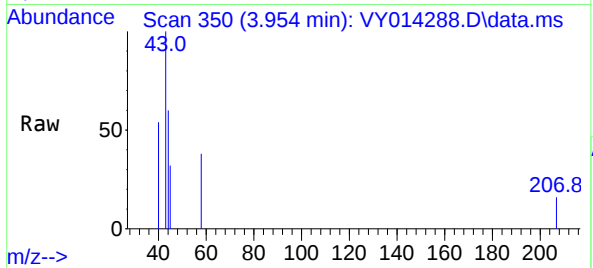




#16
Acetone
Concen: 1.601 ug/l
RT: 3.954 min Scan# 311
Delta R.T. 0.000 min
Lab File: VY014288.D
Acq: 20 Jun 2023 17:06

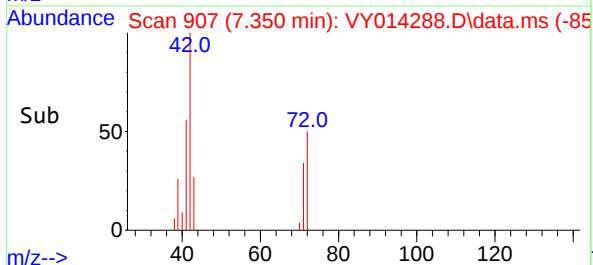
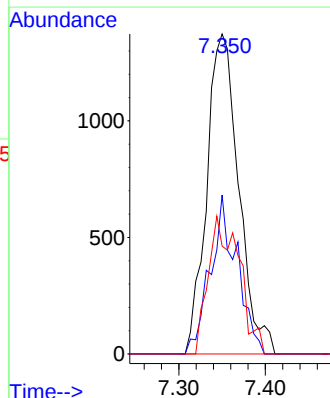
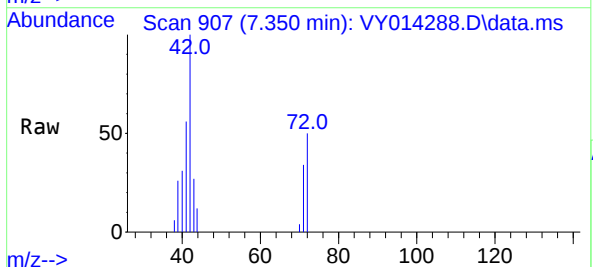
Instrument :
MSVOA_Y
ClientSampleId :
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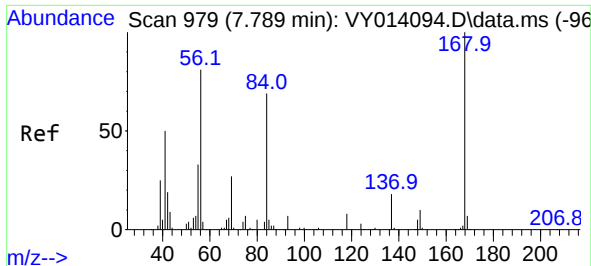
Tgt Ion: 43 Resp: 1128
Ion Ratio Lower Upper
43 100
58 38.5 22.7 34.1#



#29
Tetrahydrofuran
Concen: 6.397 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY014288.D
Acq: 20 Jun 2023 17:06

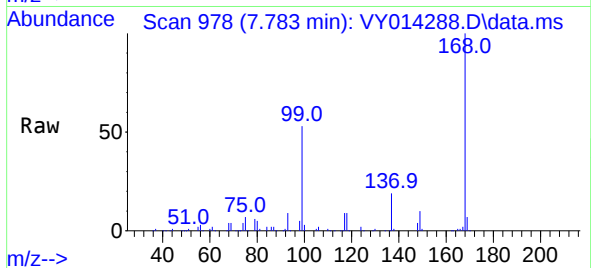
Tgt Ion: 42 Resp: 3517
Ion Ratio Lower Upper
42 100
72 41.6 32.8 49.2
71 41.8 31.0 46.4



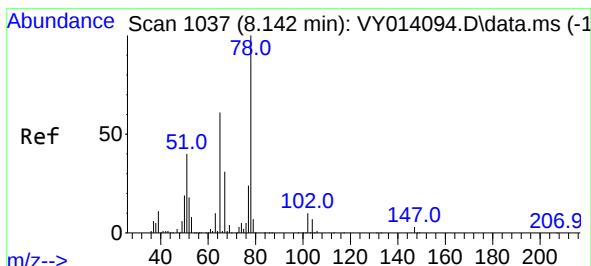
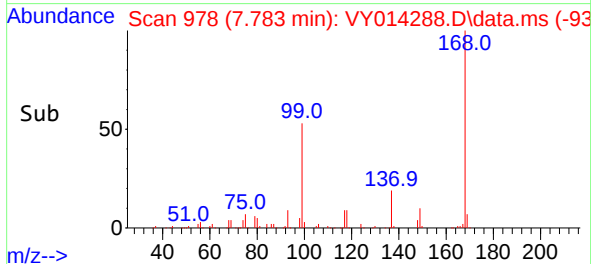
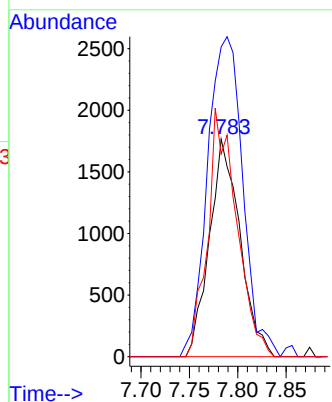


#31
Cyclohexane
Concen: 1.241 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014288.D
Acq: 20 Jun 2023 17:06

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-04-GRAB-6

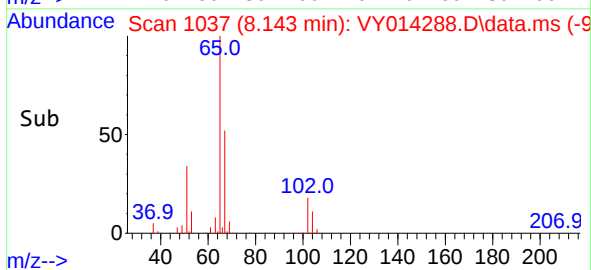
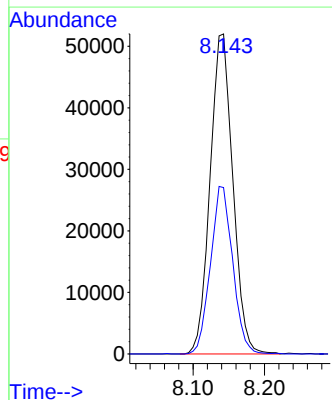
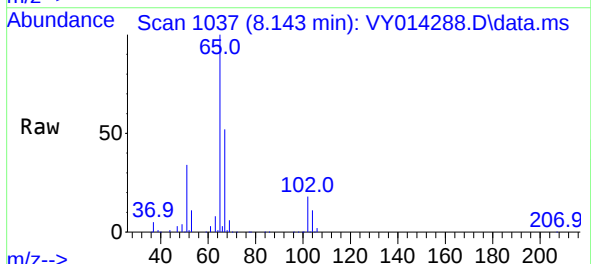


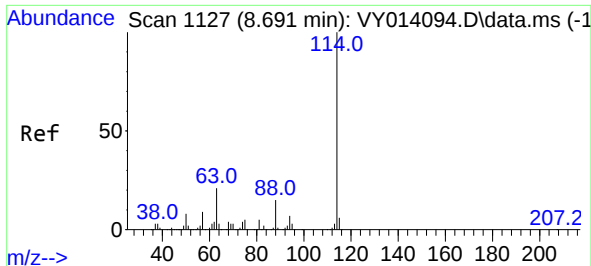
Tgt Ion: 56 Resp: 3885
Ion Ratio Lower Upper
56 100
69 142.3 27.8 41.6#
84 93.2 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 49.159 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY014288.D
Acq: 20 Jun 2023 17:06

Tgt Ion: 65 Resp: 114867
Ion Ratio Lower Upper
65 100
67 51.2 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: VY014288.D

Acq: 20 Jun 2023 17:06

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TW-04-GRAB-6

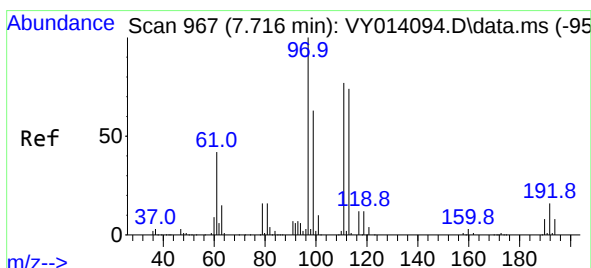
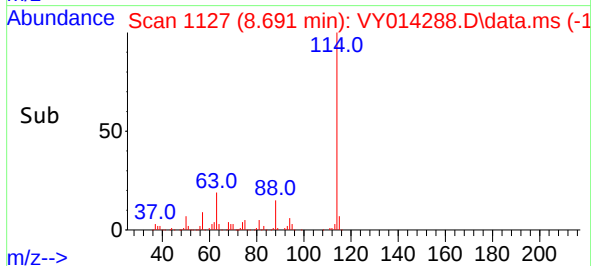
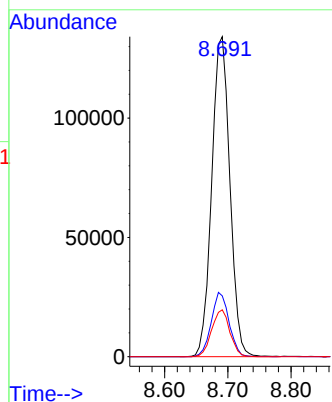
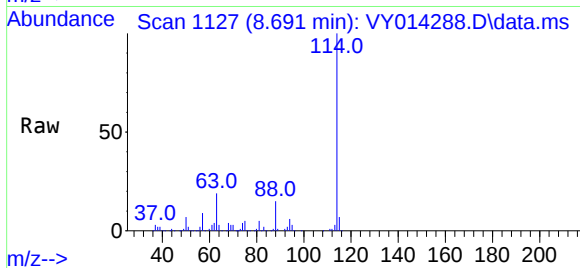
Tgt Ion:114 Resp: 267540

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 14.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 47.638 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014288.D

Acq: 20 Jun 2023 17:06

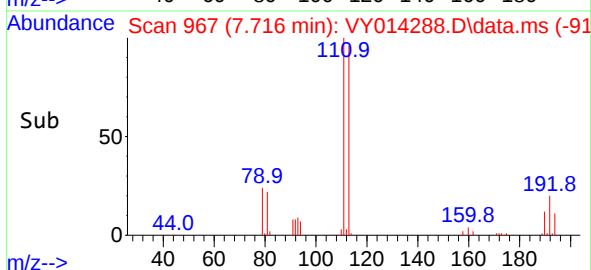
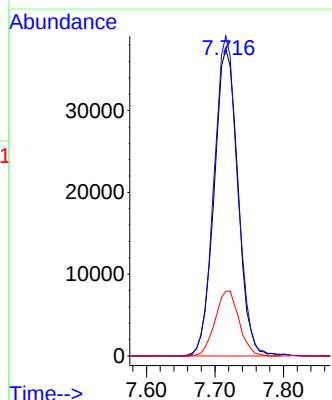
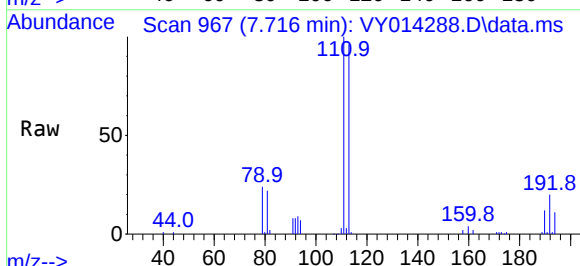
Tgt Ion:113 Resp: 90386

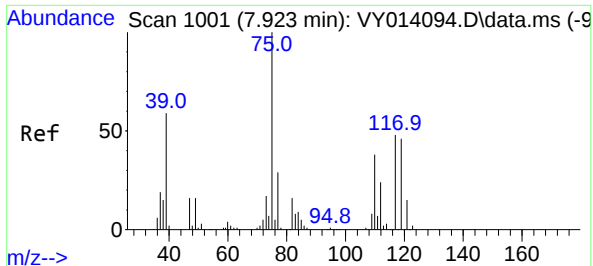
Ion Ratio Lower Upper

113 100

111 103.5 81.3 121.9

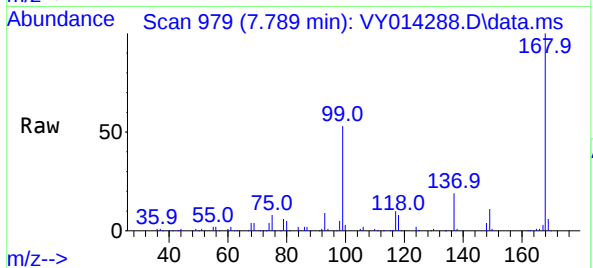
192 21.3 16.9 25.3



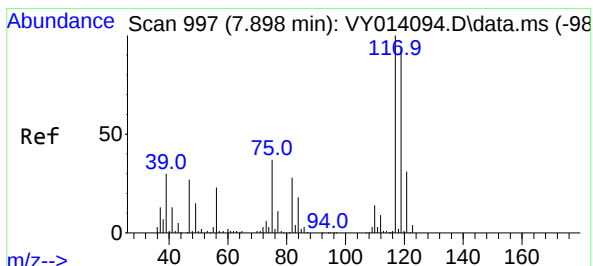
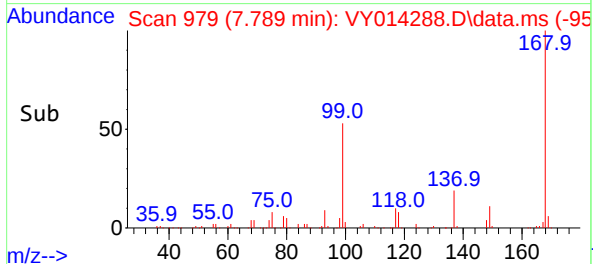
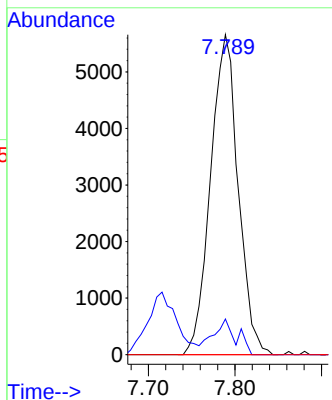


#36
1,1-Dichloropropene
Concen: 4.238 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY014288.D
Acq: 20 Jun 2023 17:06

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-04-GRAB-6

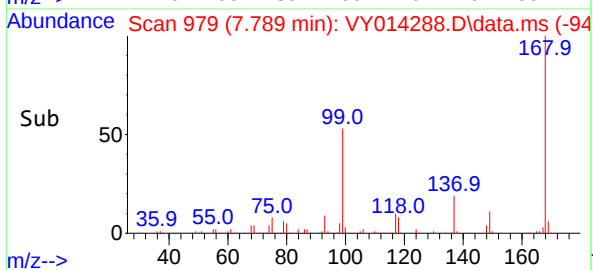
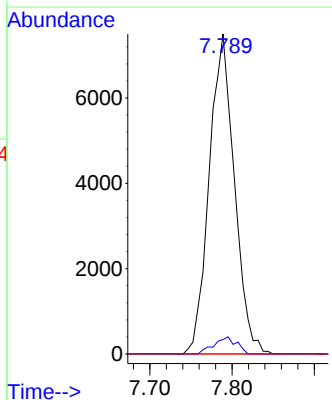
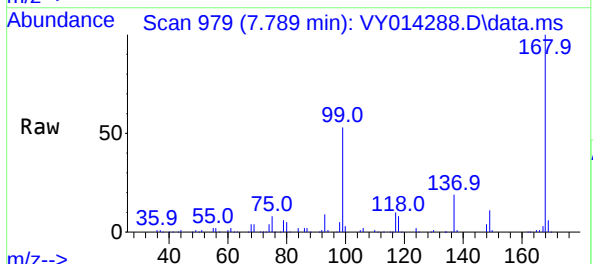


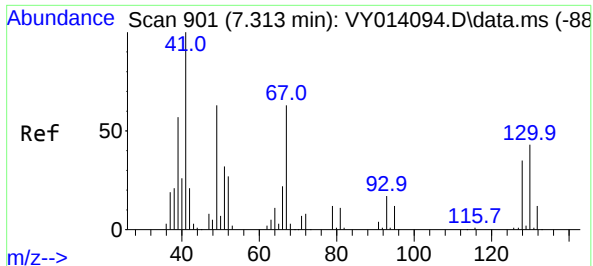
Tgt Ion: 75 Resp: 12537
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.674 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.109 min
Lab File: VY014288.D
Acq: 20 Jun 2023 17:06

Tgt Ion: 117 Resp: 15955
Ion Ratio Lower Upper
117 100
119 4.5 76.4 114.6#
121 0.0 25.8 38.6#

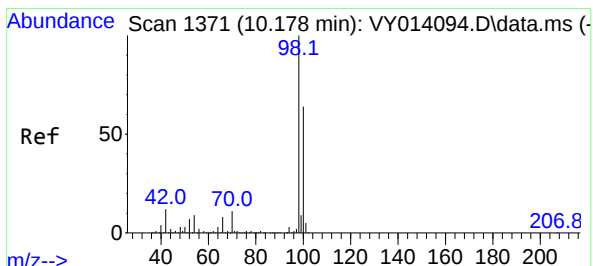
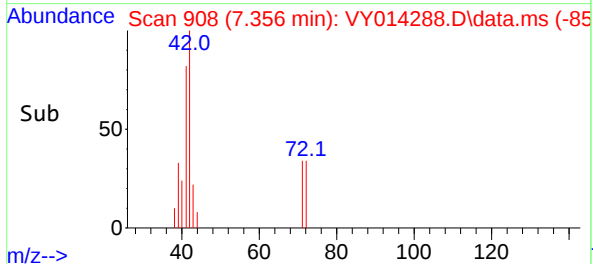
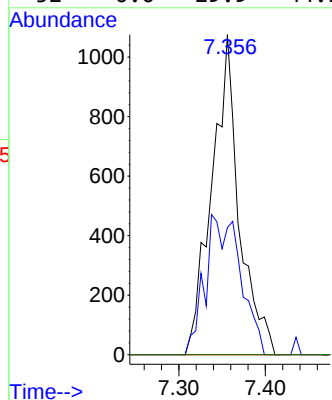
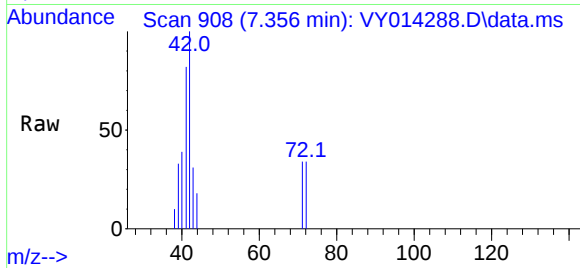




#41
Methacrylonitrile
Concen: 2.273 ug/l
RT: 7.356 min Scan# 901
Delta R.T. 0.043 min
Lab File: VY014288.D
Acq: 20 Jun 2023 17:06

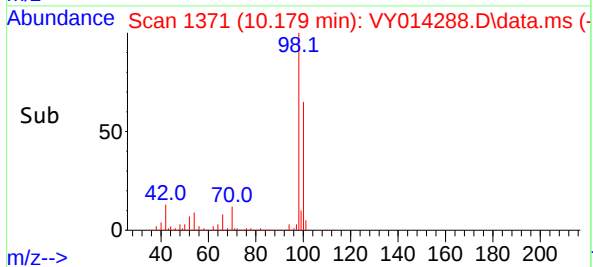
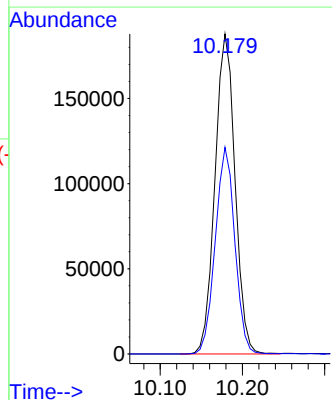
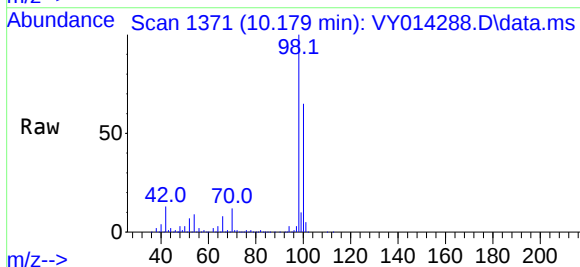
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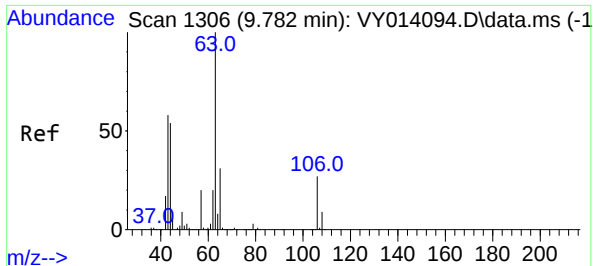
Tgt Ion: 41	Resp: 2368
Ion Ratio	Lower Upper
41 100	
39 28.7	52.1 78.1#
67 0.0	66.2 99.2#
52 0.0	29.9 44.9#



#50
Toluene-d8
Concen: 44.896 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014288.D
Acq: 20 Jun 2023 17:06

Tgt Ion: 98	Resp: 318465
Ion Ratio	Lower Upper
98 100	
100 63.2	50.1 75.1

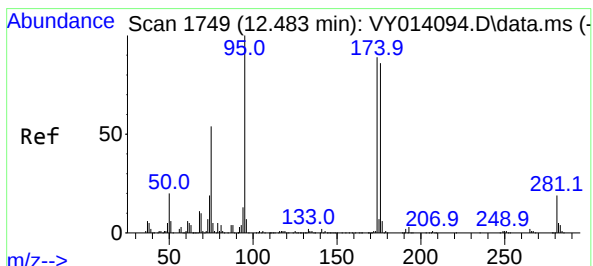
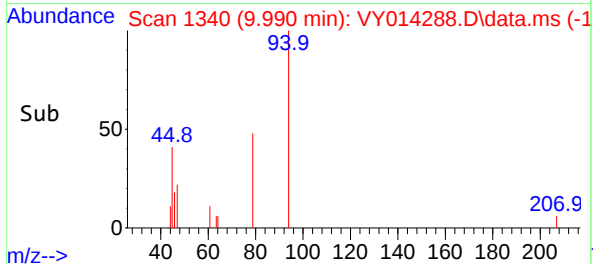
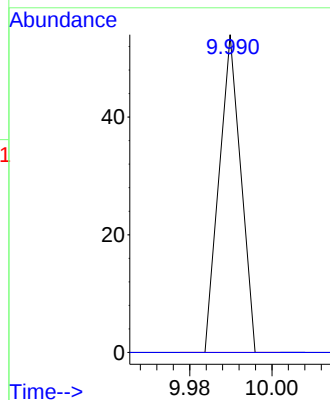
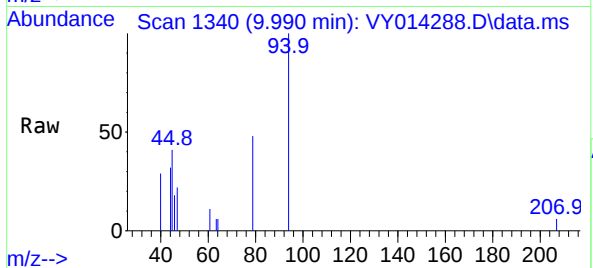




#58
2-Chloroethyl Vinyl ether
Concen: 28.635 ug/l
RT: 9.990 min Scan# 11
Delta R.T. 0.208 min
Lab File: VY014288.D
Acq: 20 Jun 2023 17:06

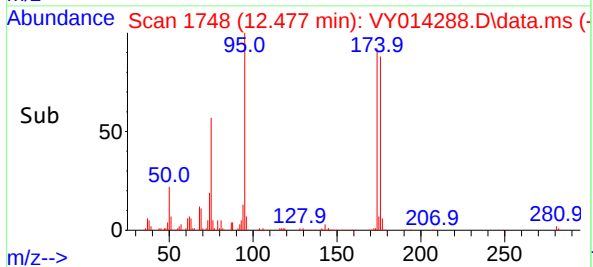
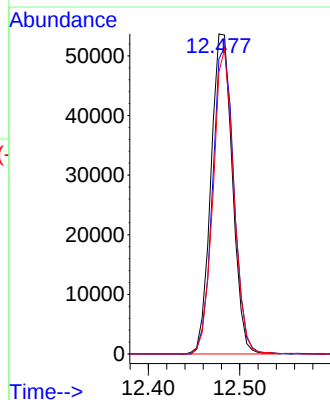
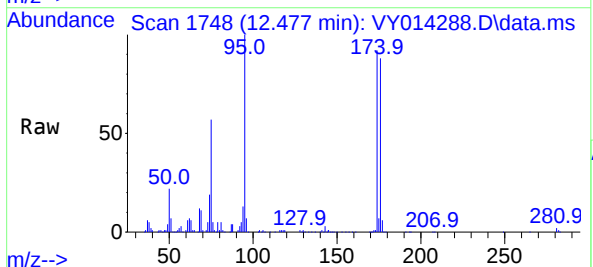
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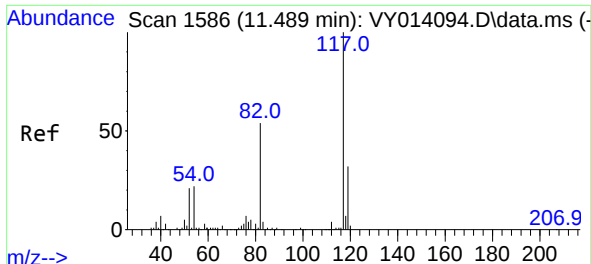
Tgt Ion: 63 Resp: 20
Ion Ratio Lower Upper
63 100
106 0.0 21.2 31.8#



#62
4-Bromofluorobenzene
Concen: 34.772 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014288.D
Acq: 20 Jun 2023 17:06

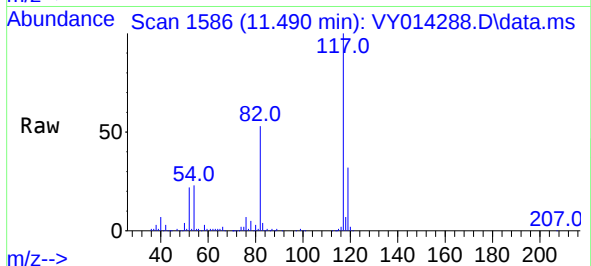
Tgt Ion: 95 Resp: 87618
Ion Ratio Lower Upper
95 100
174 95.1 0.0 178.2
176 91.7 0.0 173.8



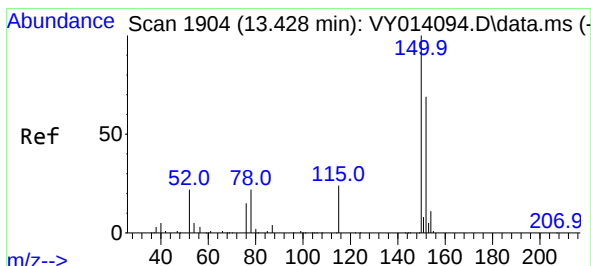
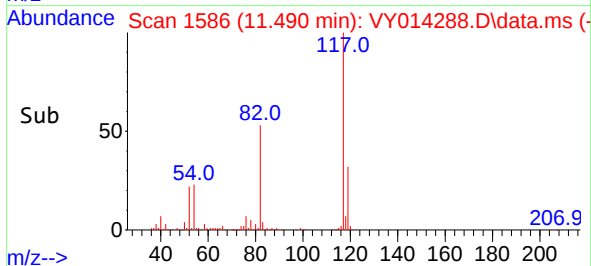
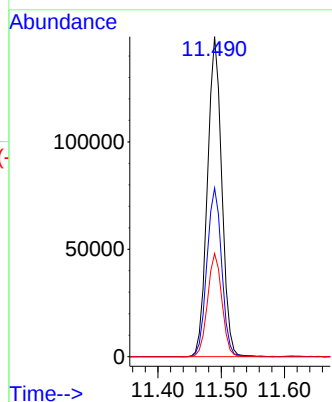


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.001 min
Lab File: VY014288.D
Acq: 20 Jun 2023 17:06

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-04-GRAB-6

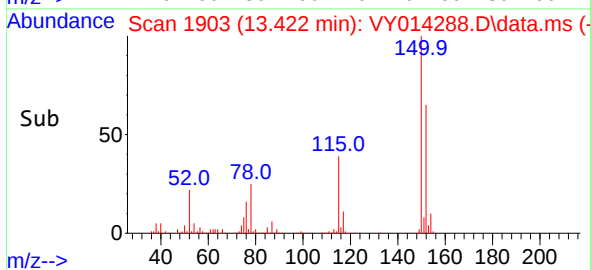
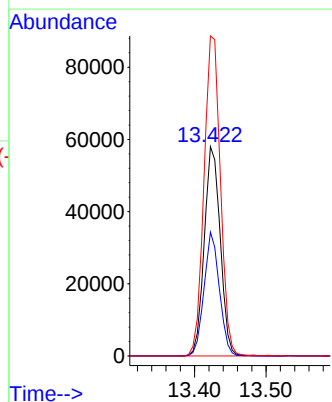
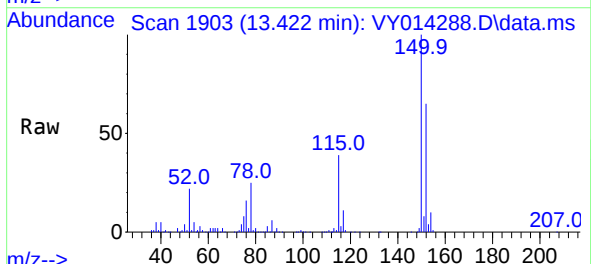


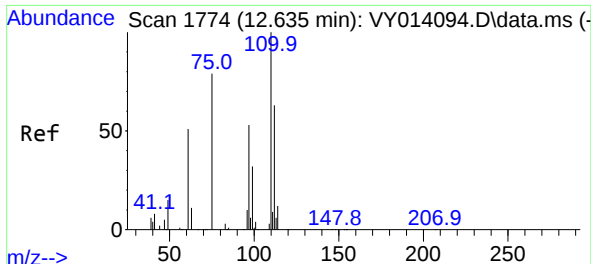
Tgt Ion:117 Resp: 235291
Ion Ratio Lower Upper
117 100
82 52.7 43.4 65.0
119 32.2 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY014288.D
Acq: 20 Jun 2023 17:06

Tgt Ion:152 Resp: 90137
Ion Ratio Lower Upper
152 100
115 56.7 28.8 86.5
150 156.7 0.0 348.8

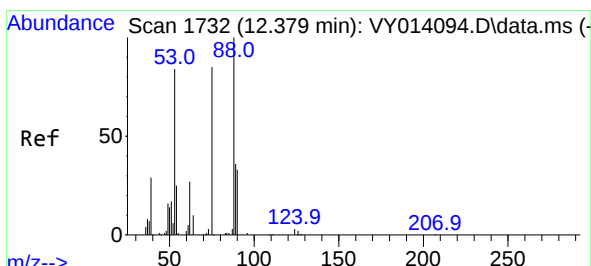
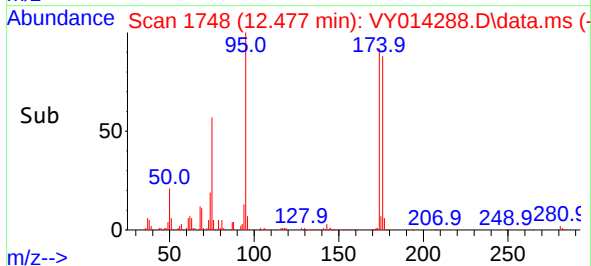
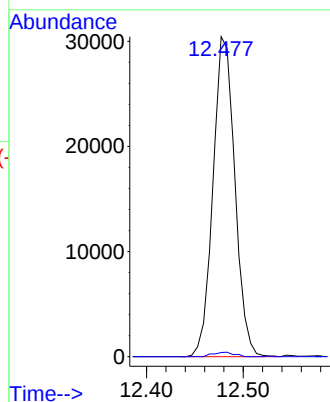
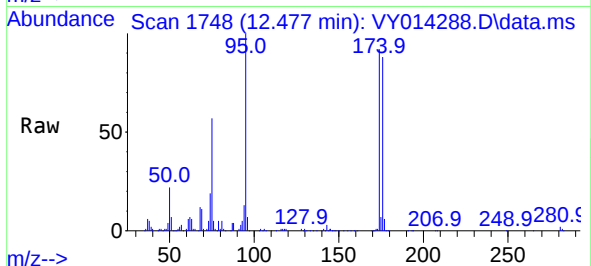




#76
1,2,3-Trichloropropane
Concen: 40.429 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY014288.D
Acq: 20 Jun 2023 17:06

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-04-GRAB-6

Tgt Ion: 75 Resp: 47810
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.391 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY014288.D
Acq: 20 Jun 2023 17:06

Tgt Ion: 75 Resp: 47810
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.0 37.4 56.0#

