

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014312.D
 Acq On : 21 Jun 2023 03:36
 Operator : KP/MD
 Sample : 03328-12
 Misc : 5.48g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SW04-0-8-GRAB-7

Quant Time: Jun 21 05:09:54 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)

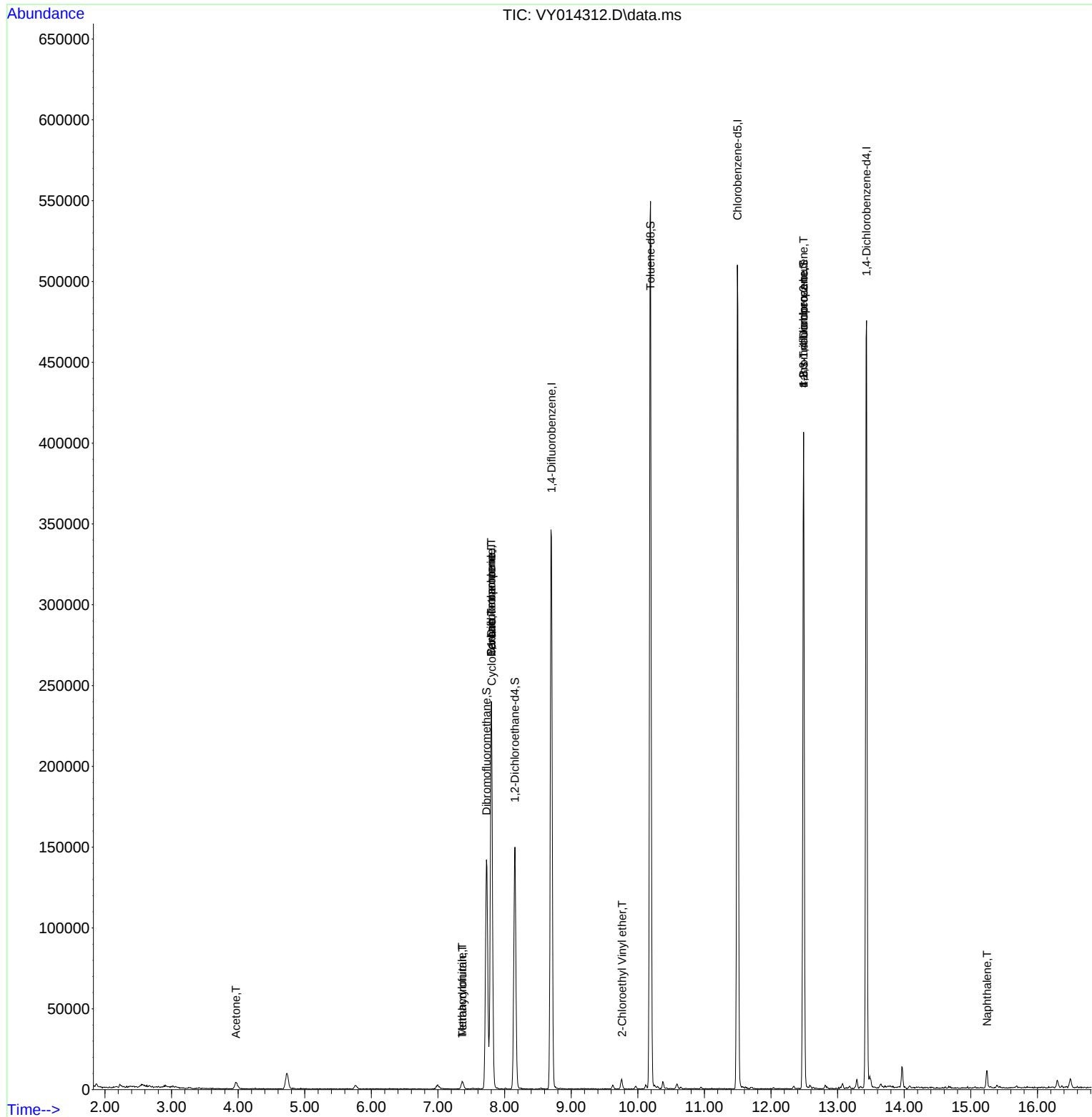
Internal Standards						
1) Pentafluorobenzene	7.801	168	184873	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	293109	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	275328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	125391	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	123979	48.159	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.320%
35) Dibromofluoromethane	7.728	113	96755	46.547	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.100%
50) Toluene-d8	10.191	98	355053	45.688	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.380%
62) 4-Bromofluorobenzene	12.489	95	110984	40.203	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.400%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	315	Below Cal	#	89
16) Acetone	3.966	43	7664	9.876	ug/l	100
20) Methylene Chloride	4.741	84	7315	Below Cal	#	80
29) Tetrahydrofuran	7.368	42	3319	5.479	ug/l	# 87
31) Cyclohexane	7.807	56	4477	1.298	ug/l	# 39
36) 1,1-Dichloropropene	7.801	75	13712	4.231	ug/l	# 51
38) Carbon Tetrachloride	7.801	117	17443	4.664	ug/l	# 16
41) Methacrylonitrile	7.362	41	2059	1.804	ug/l	# 44
58) 2-Chloroethyl Vinyl ether	9.764	63	19	28.633	ug/l	# 48
76) 1,2,3-Trichloropropane	12.489	75	61921	37.640	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.489	75	61921	81.362	ug/l	# 11
95) Naphthalene	15.245	128	9351	1.687	ug/l	99

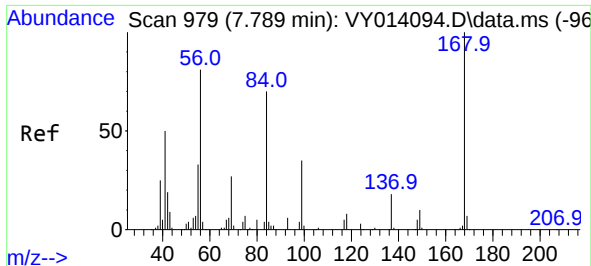
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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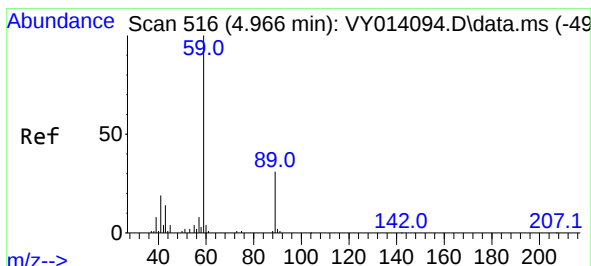
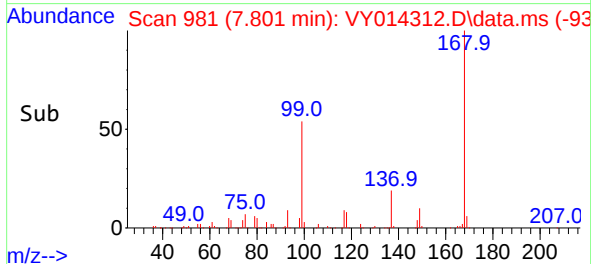
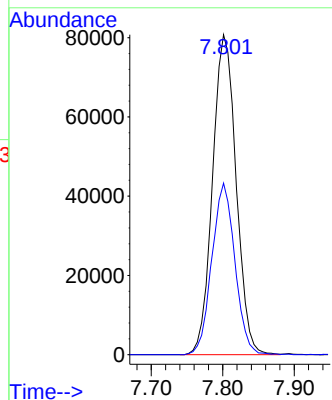
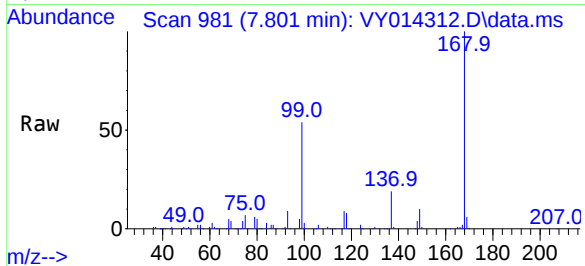




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014312.D
Acq: 21 Jun 2023 03:36

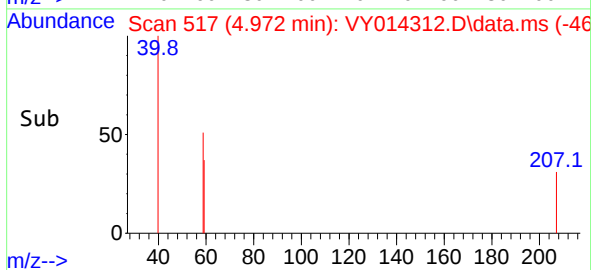
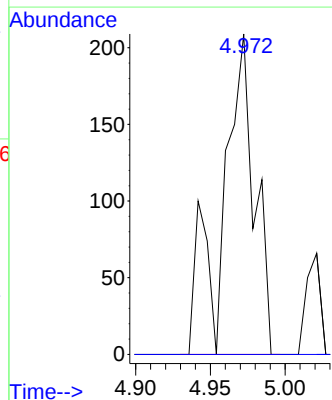
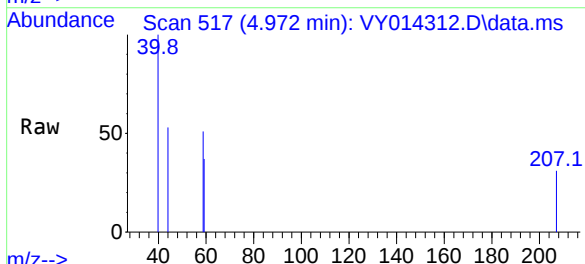
Instrument :
MSVOA_Y
ClientSampleId :
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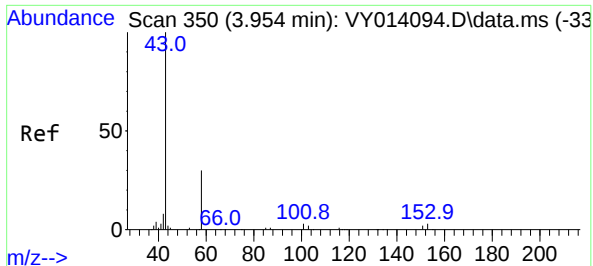
Tgt Ion:168 Resp: 184873
Ion Ratio Lower Upper
168 100
99 53.6 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.972 min Scan# 517
Delta R.T. 0.006 min
Lab File: VY014312.D
Acq: 21 Jun 2023 03:36

Tgt Ion: 59 Resp: 315
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

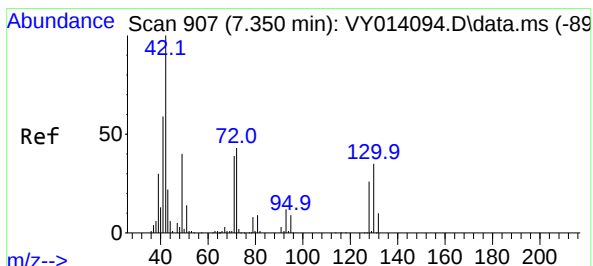
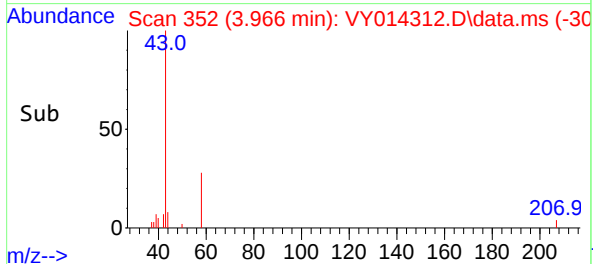
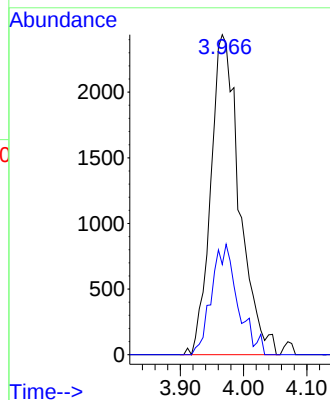
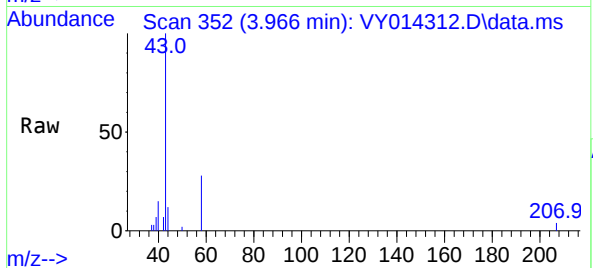




#16
Acetone
Concen: 9.876 ug/l
RT: 3.966 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY014312.D
Acq: 21 Jun 2023 03:36

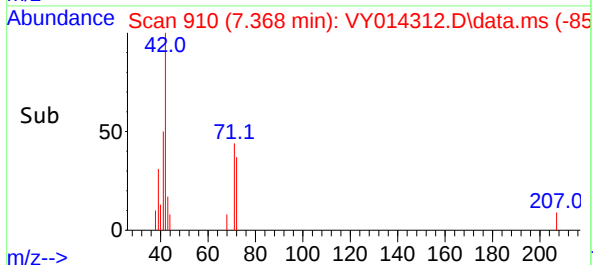
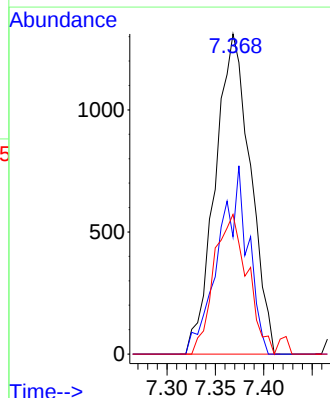
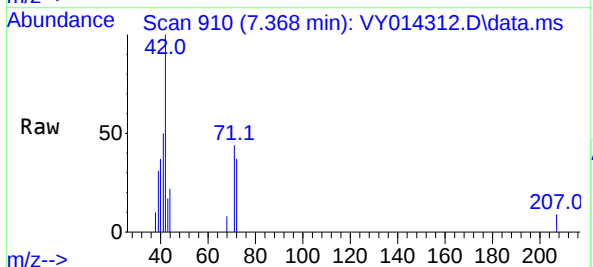
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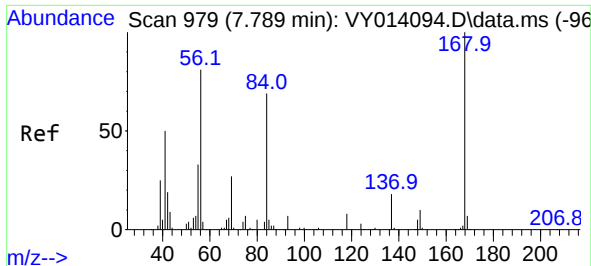
Tgt Ion: 43 Resp: 7664
Ion Ratio Lower Upper
43 100
58 28.2 22.7 34.1



#29
Tetrahydrofuran
Concen: 5.479 ug/l
RT: 7.368 min Scan# 910
Delta R.T. 0.018 min
Lab File: VY014312.D
Acq: 21 Jun 2023 03:36

Tgt Ion: 42 Resp: 3319
Ion Ratio Lower Upper
42 100
72 27.8 32.8 49.2#
71 41.6 31.0 46.4

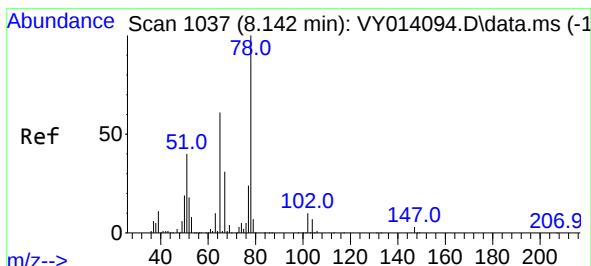
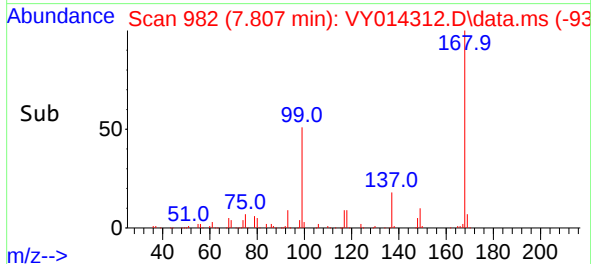
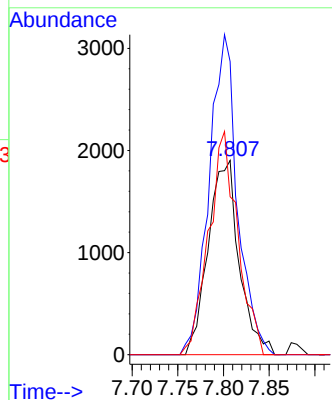
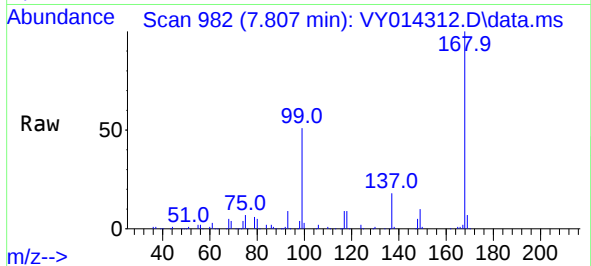




#31
Cyclohexane
Concen: 1.298 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY014312.D
Acq: 21 Jun 2023 03:36

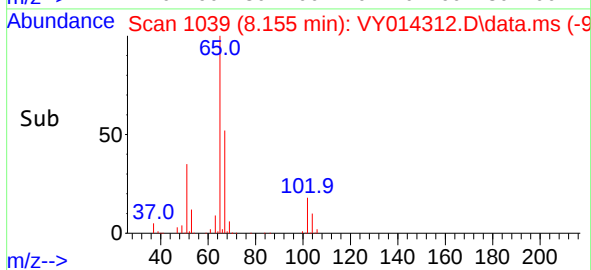
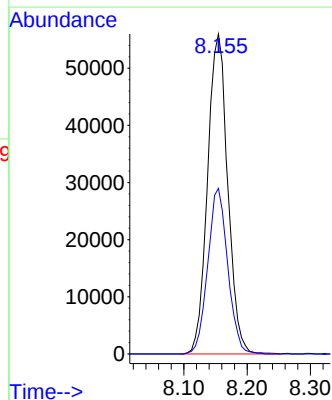
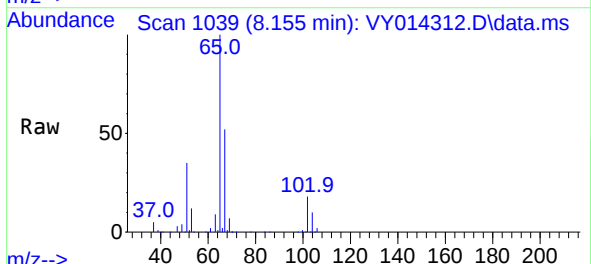
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW04-0-8-GRAB-7

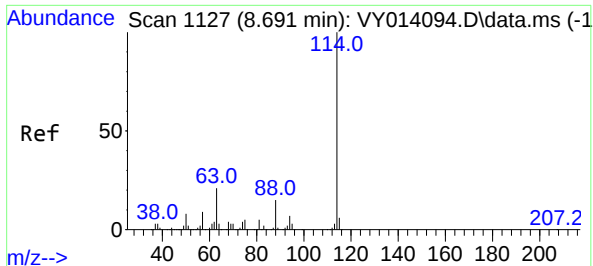
Tgt Ion: 56 Resp: 4477
Ion Ratio Lower Upper
56 100
69 150.9 27.8 41.6#
84 81.3 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 48.159 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.013 min
Lab File: VY014312.D
Acq: 21 Jun 2023 03:36

Tgt Ion: 65 Resp: 123979
Ion Ratio Lower Upper
65 100
67 51.3 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1127

Delta R.T. 0.012 min

Lab File: VY014312.D

Acq: 21 Jun 2023 03:36

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SW04-0-8-GRAB-7

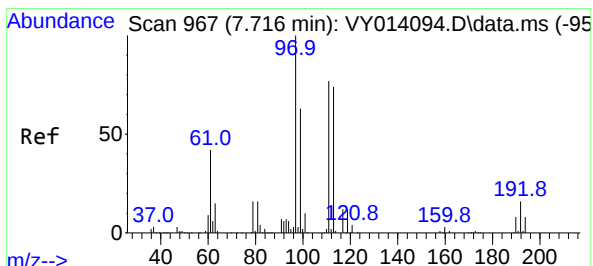
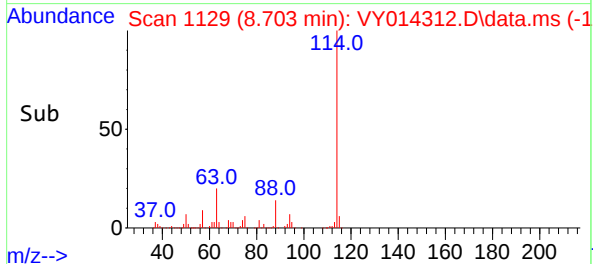
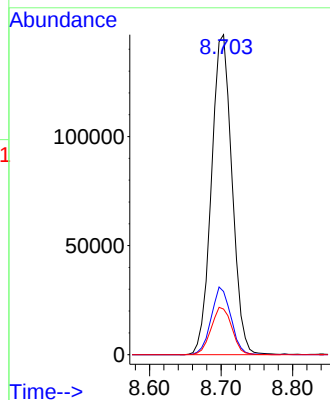
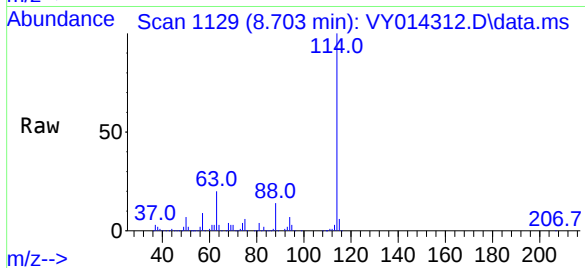
Tgt Ion:114 Resp: 293109

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

88 14.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 46.547 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY014312.D

Acq: 21 Jun 2023 03:36

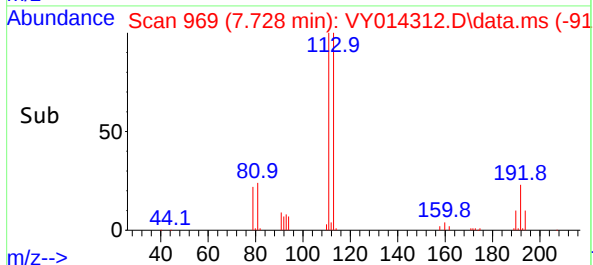
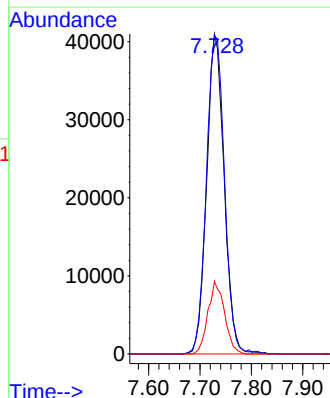
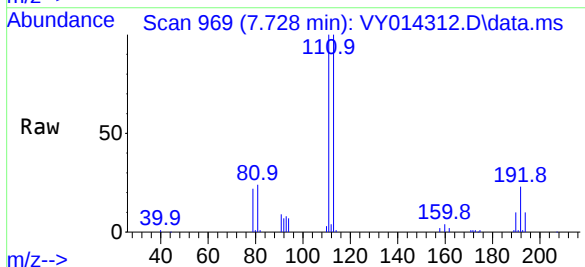
Tgt Ion:113 Resp: 96755

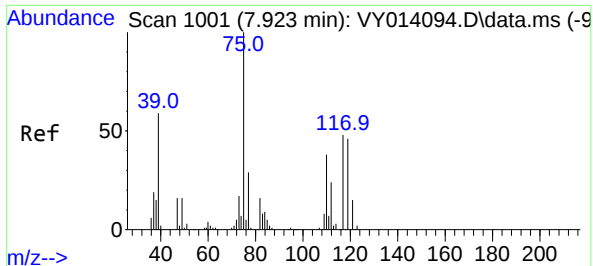
Ion Ratio Lower Upper

113 100

111 103.0 81.3 121.9

192 21.6 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.231 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.122 min

Lab File: VY014312.D

Acq: 21 Jun 2023 03:36

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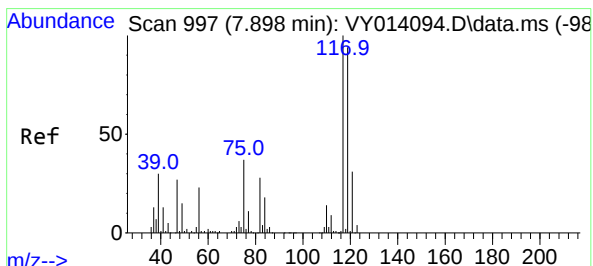
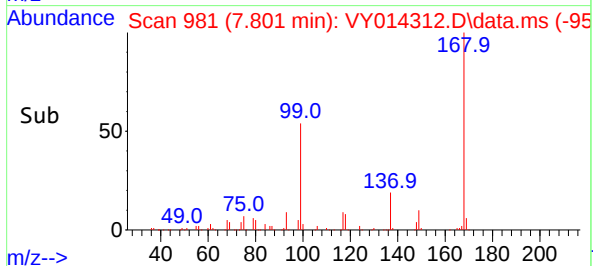
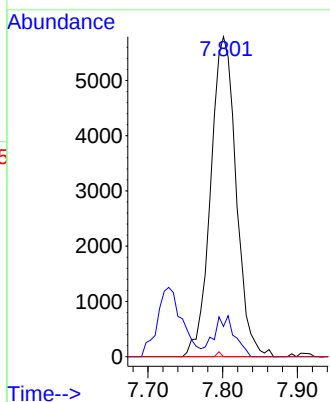
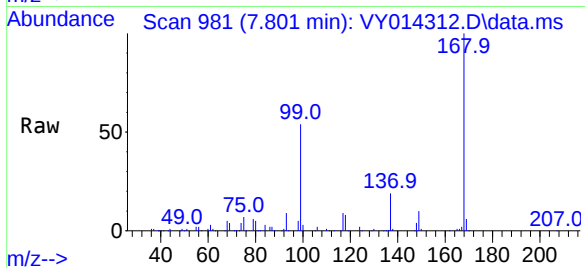
Tgt Ion: 75 Resp: 13712

Ion Ratio Lower Upper

75 100

110 10.4 17.8 53.5#

77 0.2 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.664 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.097 min

Lab File: VY014312.D

Acq: 21 Jun 2023 03:36

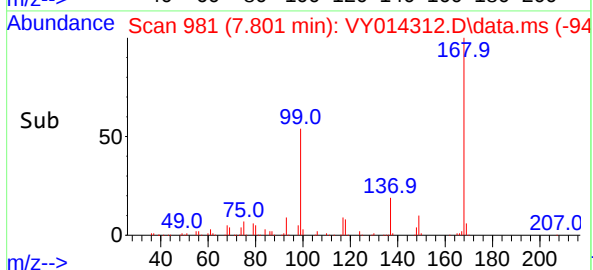
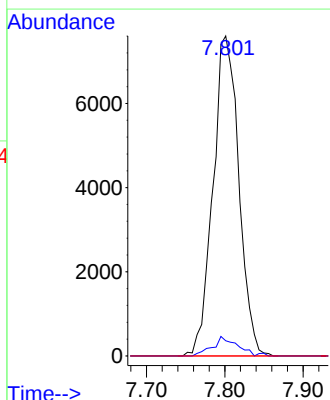
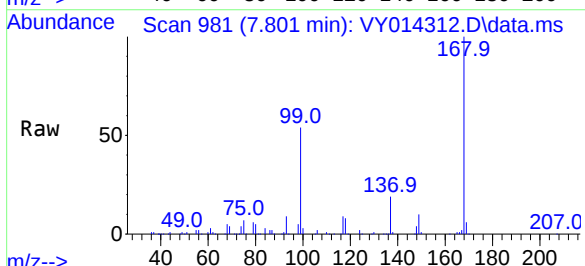
Tgt Ion: 117 Resp: 17443

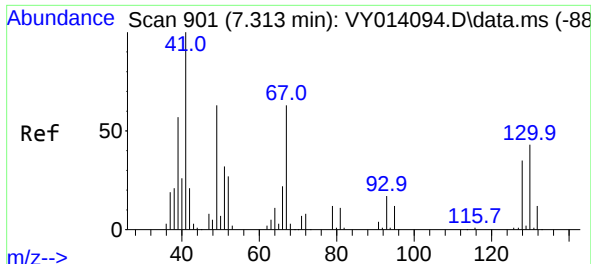
Ion Ratio Lower Upper

117 100

119 4.7 76.4 114.6#

121 0.0 25.8 38.6#

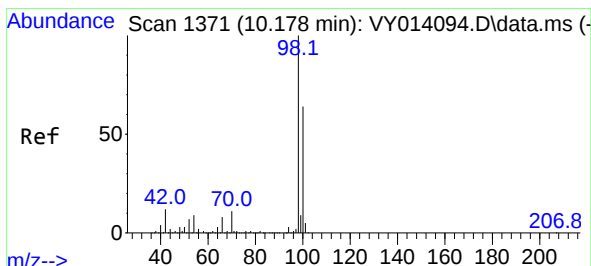
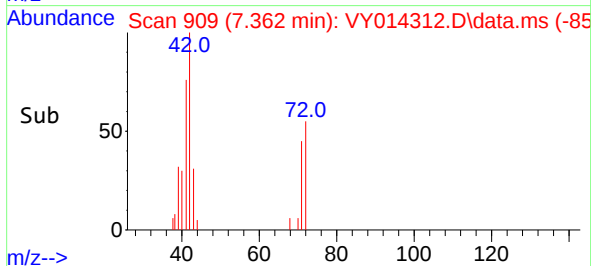
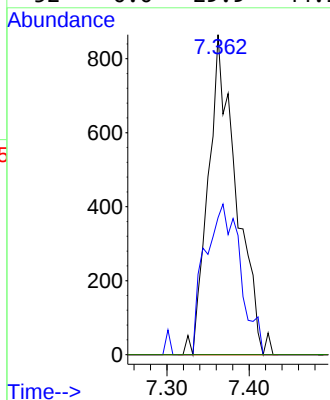
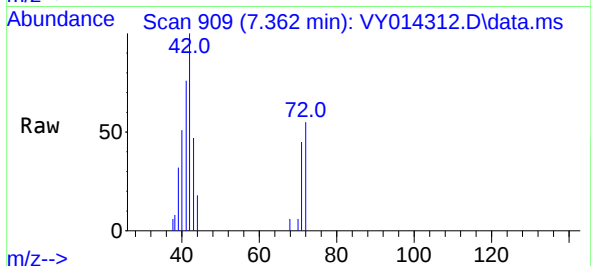




#41
Methacrylonitrile
Concen: 1.804 ug/l
RT: 7.362 min Scan# 901
Delta R.T. 0.049 min
Lab File: VY014312.D
Acq: 21 Jun 2023 03:36

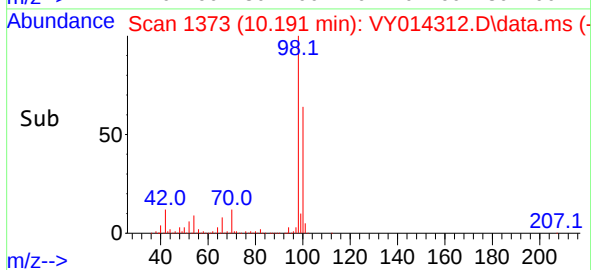
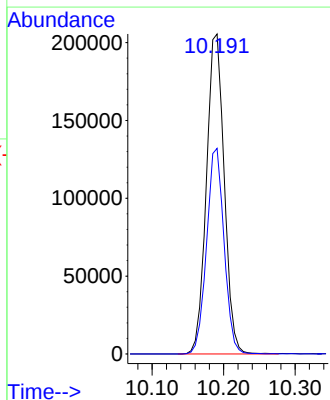
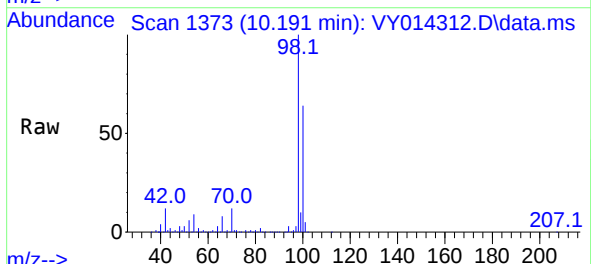
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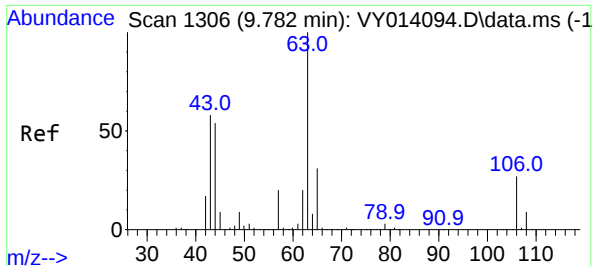
Tgt Ion: 41	Resp: 2059
Ion Ratio	Lower Upper
41 100	
39 59.2	52.1 78.1
67 0.0	66.2 99.2#
52 0.0	29.9 44.9#



#50
Toluene-d8
Concen: 45.688 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.013 min
Lab File: VY014312.D
Acq: 21 Jun 2023 03:36

Tgt Ion: 98	Resp: 355053
Ion Ratio	Lower Upper
98 100	
100 63.0	50.1 75.1

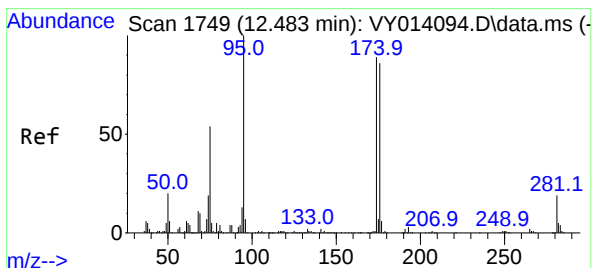
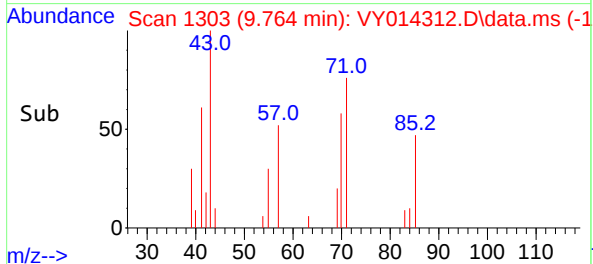
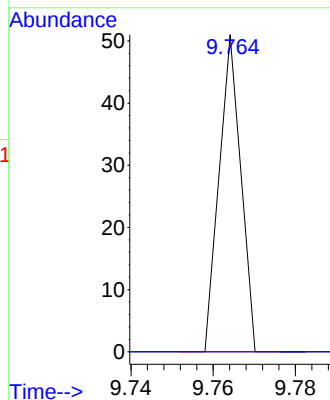
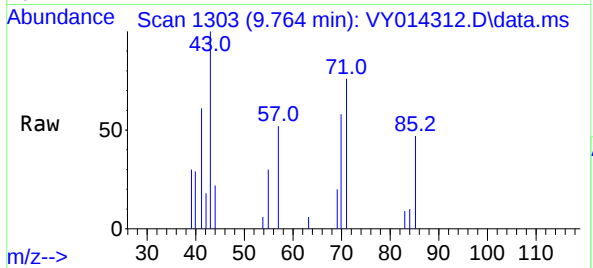




#58
2-Chloroethyl Vinyl ether
Concen: 28.633 ug/l
RT: 9.764 min Scan# 11
Delta R.T. -0.018 min
Lab File: VY014312.D
Acq: 21 Jun 2023 03:36

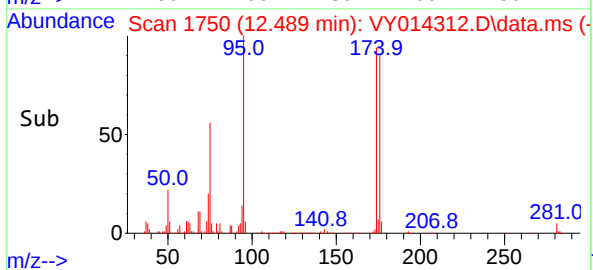
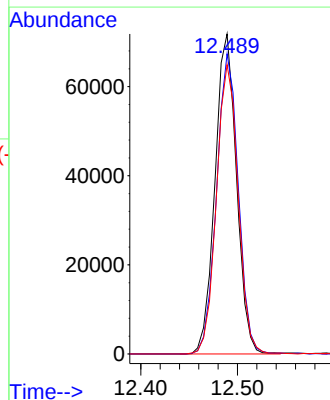
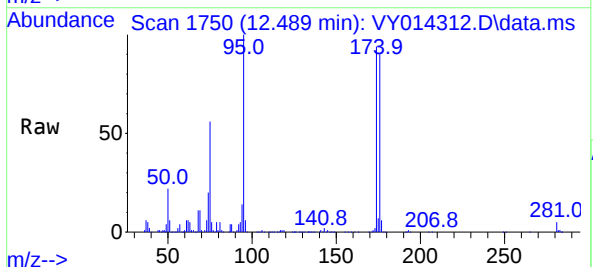
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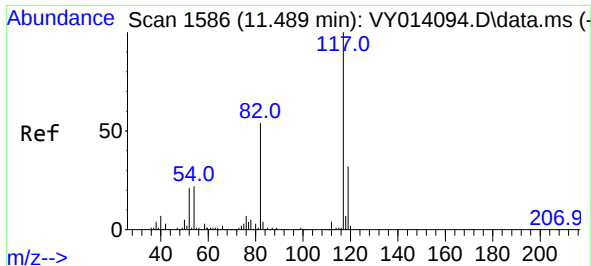
Tgt Ion: 63 Resp: 19
Ion Ratio Lower Upper
63 100
106 0.0 21.2 31.8#



#62
4-Bromofluorobenzene
Concen: 40.203 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY014312.D
Acq: 21 Jun 2023 03:36

Tgt Ion: 95 Resp: 110984
Ion Ratio Lower Upper
95 100
174 94.7 0.0 178.2
176 91.1 0.0 173.8

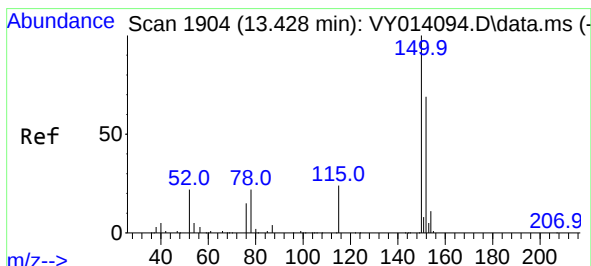
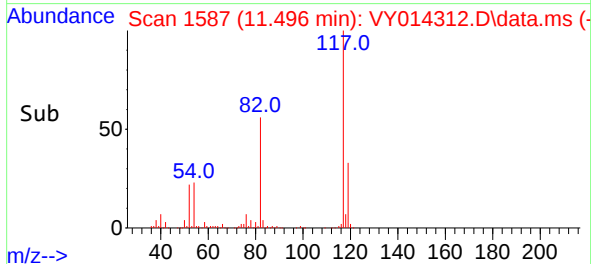
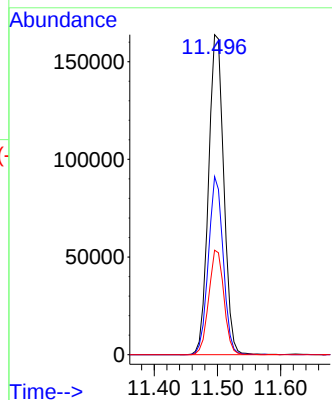
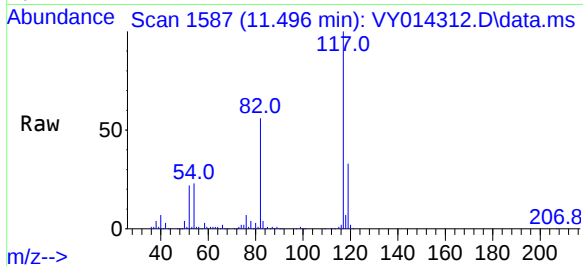




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014312.D
Acq: 21 Jun 2023 03:36

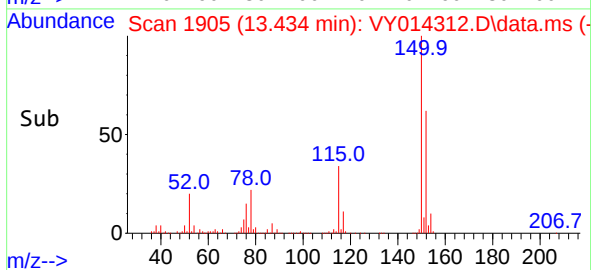
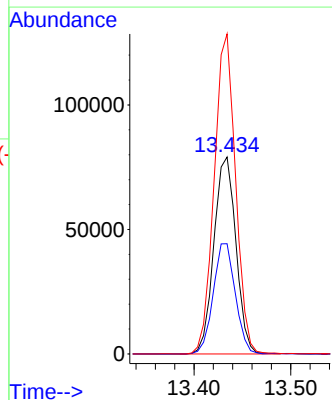
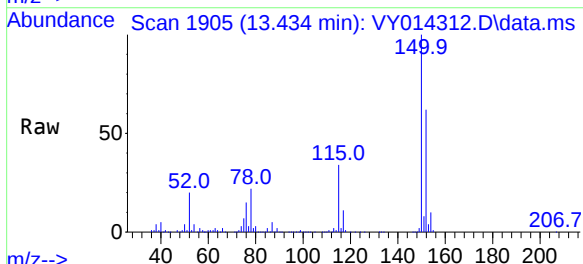
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW04-0-8-GRAB-7

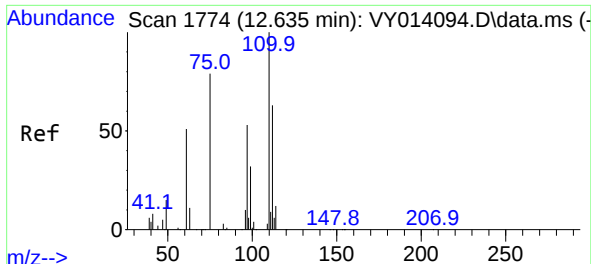
Tgt Ion:117 Resp: 275328
Ion Ratio Lower Upper
117 100
82 55.6 43.4 65.0
119 32.6 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VY014312.D
Acq: 21 Jun 2023 03:36

Tgt Ion:152 Resp: 125391
Ion Ratio Lower Upper
152 100
115 56.1 28.8 86.5
150 157.5 0.0 348.8

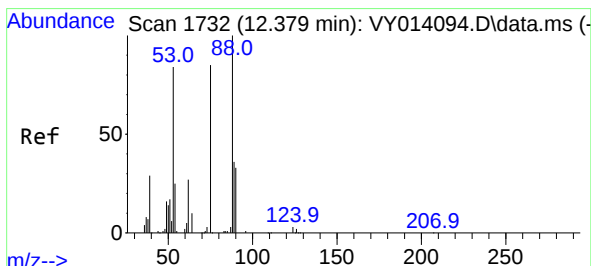
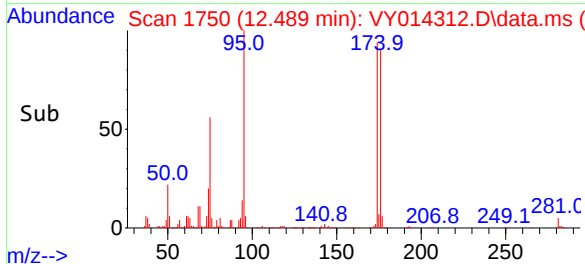
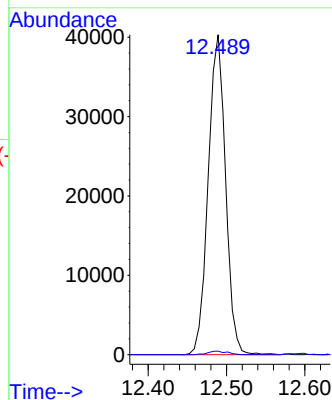
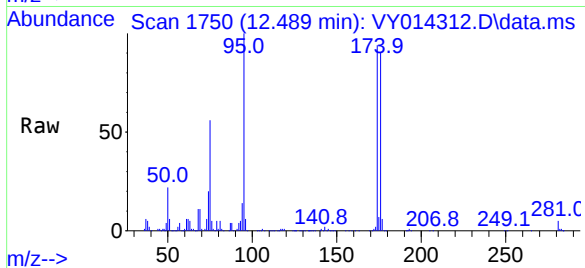




#76
1,2,3-Trichloropropane
Concen: 37.640 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY014312.D
Acq: 21 Jun 2023 03:36

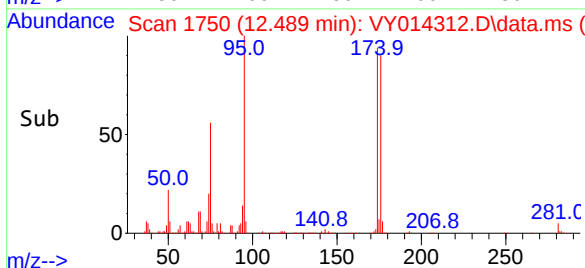
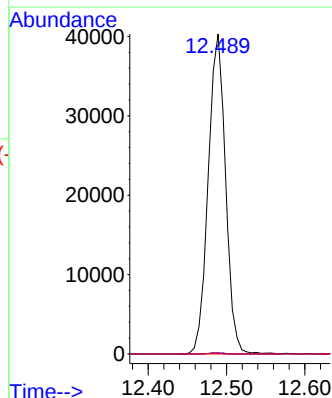
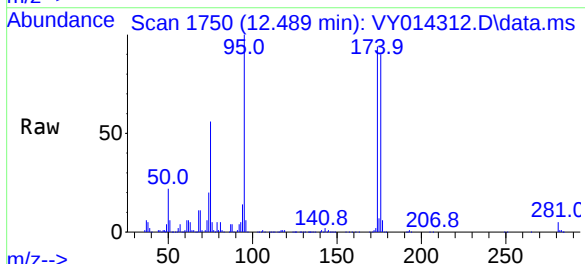
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW04-0-8-GRAB-7

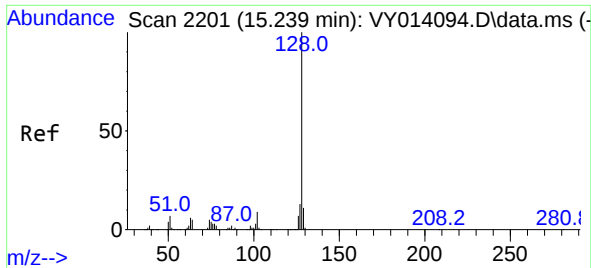
Tgt Ion: 75 Resp: 61921
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.362 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY014312.D
Acq: 21 Jun 2023 03:36

Tgt Ion: 75 Resp: 61921
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 0.2 37.4 56.0#





#95

Naphthalene

Concen: 1.687 ug/l

RT: 15.245 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY014312.D

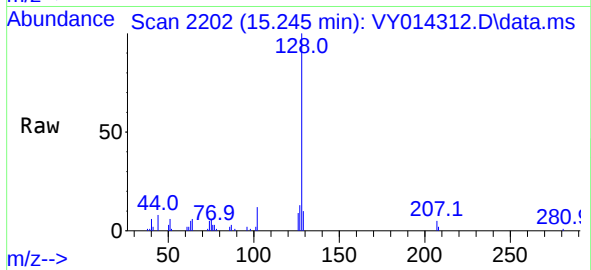
Acq: 21 Jun 2023 03:36

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SW04-0-8-GRAB-7



Tgt Ion:128 Resp: 9351

Ion Ratio Lower Upper

128 100

127 13.6 10.8 16.2

129 11.4 8.6 13.0

