

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014315.D
 Acq On : 21 Jun 2023 04:47
 Operator : KP/MD
 Sample : 03328-23
 Misc : 7.85g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SW04-8-15-GRAB-6

Quant Time: Jun 21 05:10:20 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)

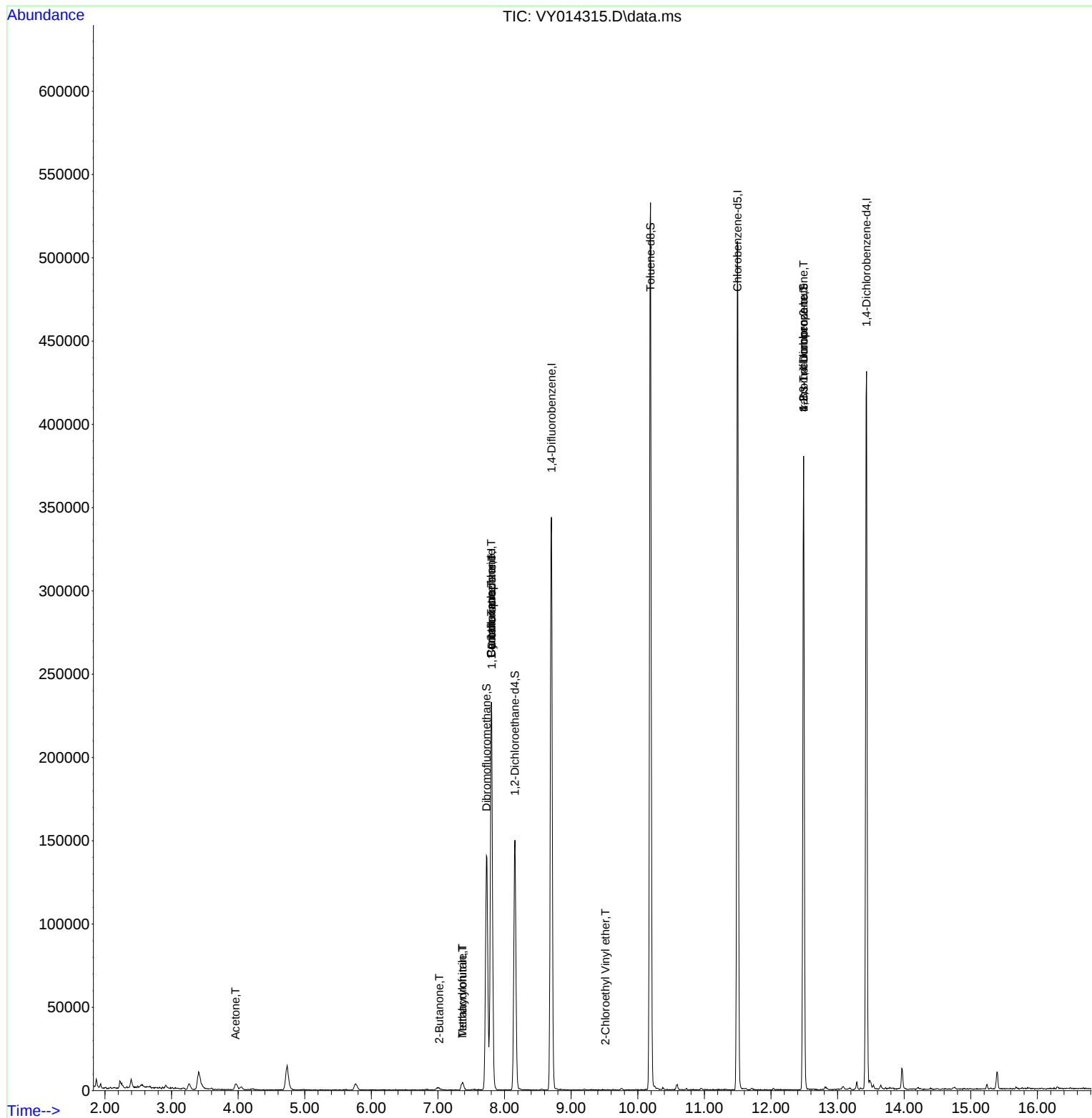
Internal Standards						
1) Pentafluorobenzene	7.801	168	181021	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.704	114	295609	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	270434	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	113354	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	124560	49.414	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.820%
35) Dibromofluoromethane	7.728	113	97535	46.525	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.060%
50) Toluene-d8	10.191	98	352692	45.000	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.000%
62) 4-Bromofluorobenzene	12.489	95	104274	37.453	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	74.900%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.991	59	185	Below Cal	#	89
16) Acetone	3.960	43	7170	9.436	ug/l	95
25) 2-Butanone	7.021	43	1066	1.140	ug/l #	87
29) Tetrahydrofuran	7.368	42	3965	6.685	ug/l	97
31) Cyclohexane	7.801	56	4274	1.266	ug/l #	26
36) 1,1-Dichloropropene	7.807	75	13270	4.060	ug/l #	50
38) Carbon Tetrachloride	7.801	117	17660	4.682	ug/l #	16
41) Methacrylonitrile	7.368	41	2095	1.820	ug/l #	45
58) 2-Chloroethyl Vinyl ether	9.514	63	25	28.637	ug/l #	48
76) 1,2,3-Trichloropropane	12.489	75	56882	38.248	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	56882	82.678	ug/l #	11

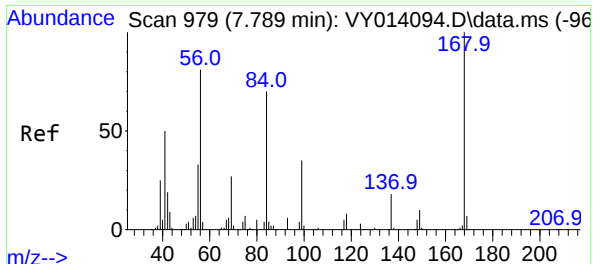
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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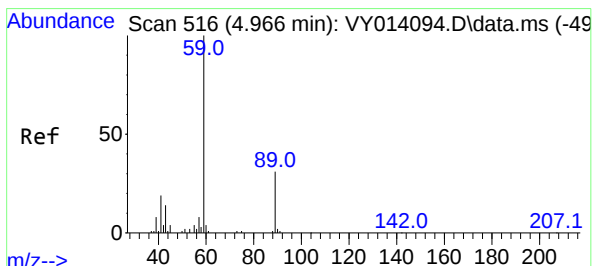
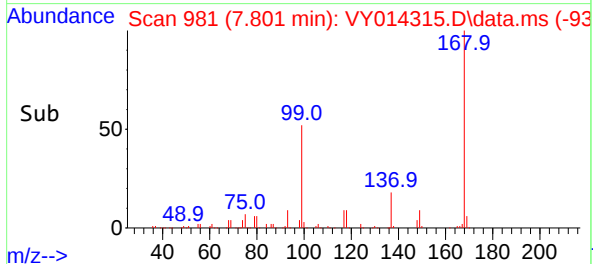
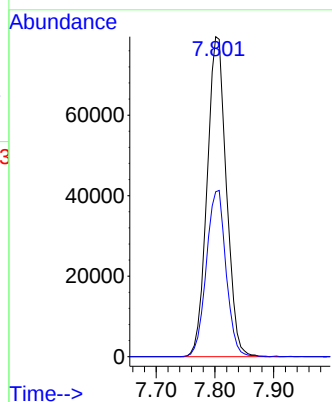
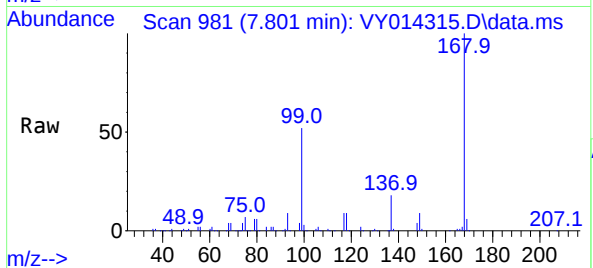




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014315.D
Acq: 21 Jun 2023 04:47

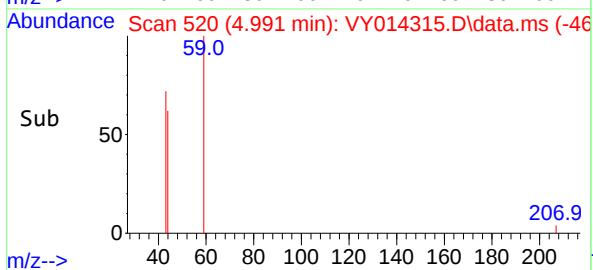
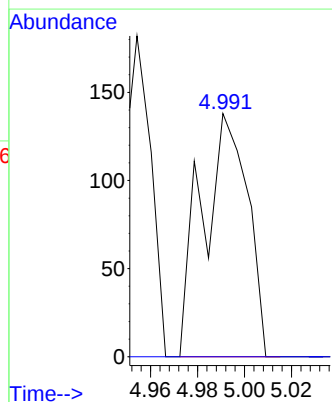
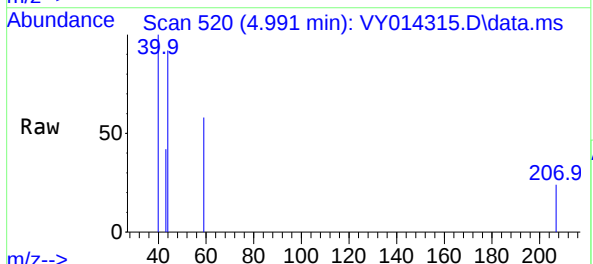
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW04-8-15-GRAB-6

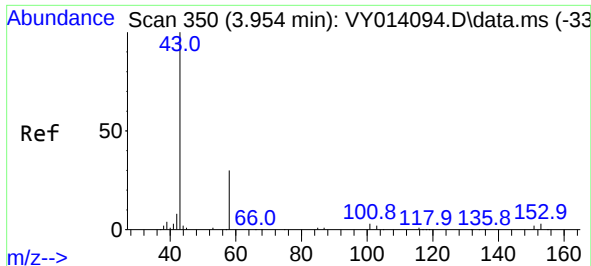
Tgt Ion:168 Resp: 181021
Ion Ratio Lower Upper
168 100
99 51.5 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.991 min Scan# 520
Delta R.T. 0.025 min
Lab File: VY014315.D
Acq: 21 Jun 2023 04:47

Tgt Ion: 59 Resp: 185
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

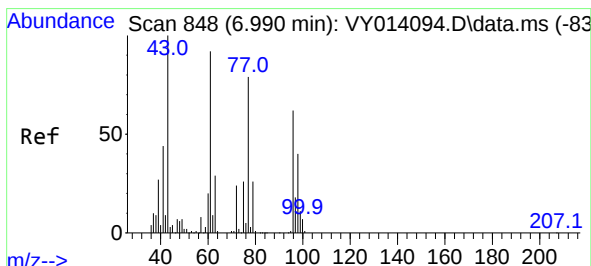
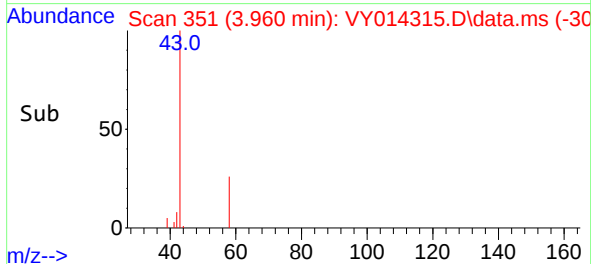
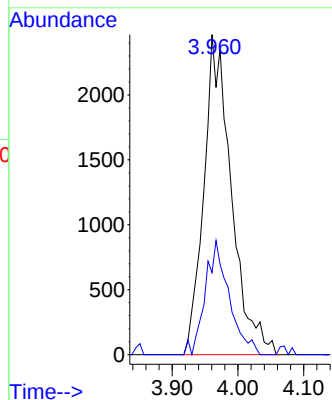
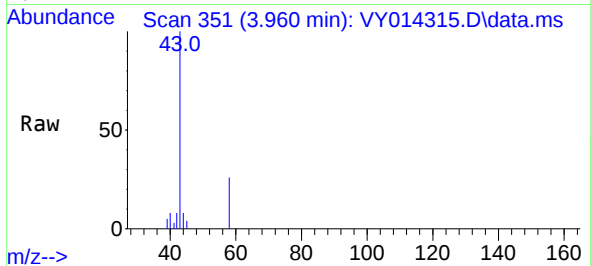




#16
Acetone
Concen: 9.436 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY014315.D
Acq: 21 Jun 2023 04:47

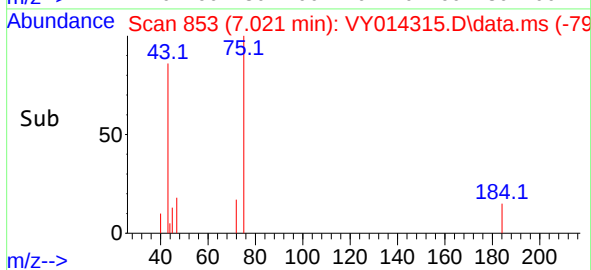
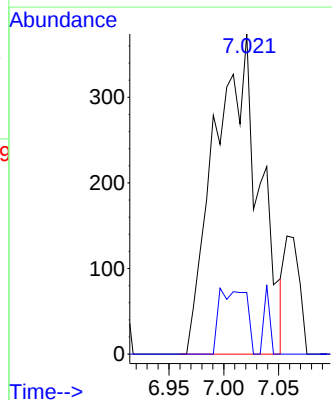
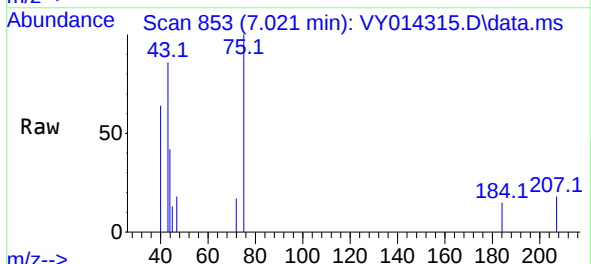
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW04-8-15-GRAB-6

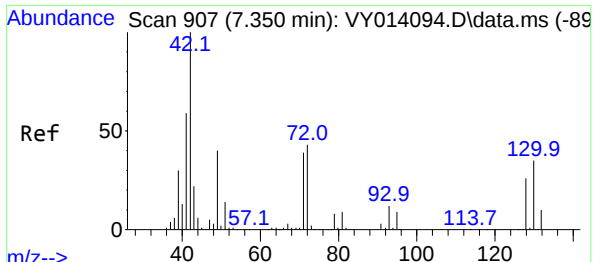
Tgt Ion: 43 Resp: 7170
Ion Ratio Lower Upper
43 100
58 25.6 22.7 34.1



#25
2-Butanone
Concen: 1.140 ug/l
RT: 7.021 min Scan# 853
Delta R.T. 0.031 min
Lab File: VY014315.D
Acq: 21 Jun 2023 04:47

Tgt Ion: 43 Resp: 1066
Ion Ratio Lower Upper
43 100
72 19.3 20.5 30.7#





#29

Tetrahydrofuran

Concen: 6.685 ug/l

RT: 7.368 min Scan# 910

Delta R.T. 0.018 min

Lab File: VY014315.D

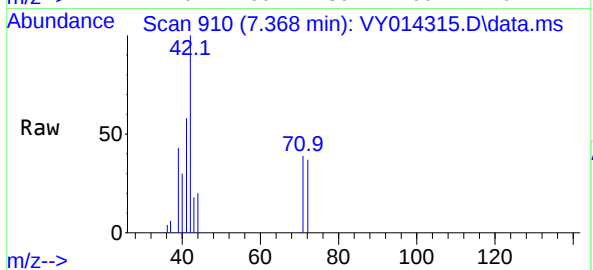
Acq: 21 Jun 2023 04:47

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SW04-8-15-GRAB-6



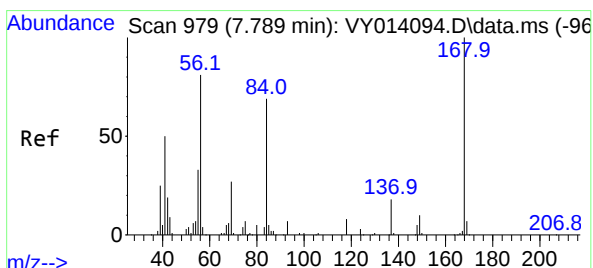
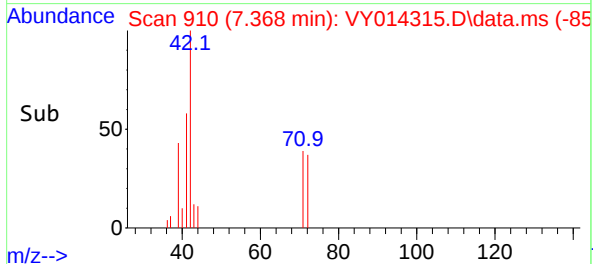
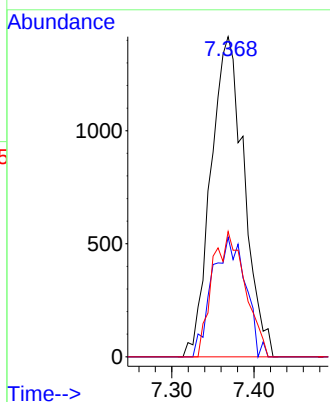
Tgt Ion: 42 Resp: 3965

Ion Ratio Lower Upper

42 100

72 37.5 32.8 49.2

71 38.7 31.0 46.4



#31

Cyclohexane

Concen: 1.266 ug/l

RT: 7.801 min Scan# 981

Delta R.T. 0.012 min

Lab File: VY014315.D

Acq: 21 Jun 2023 04:47

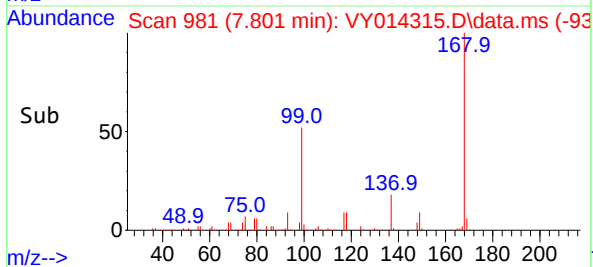
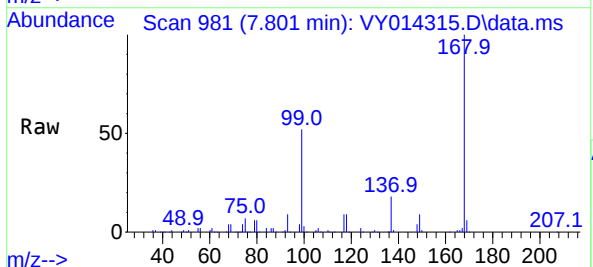
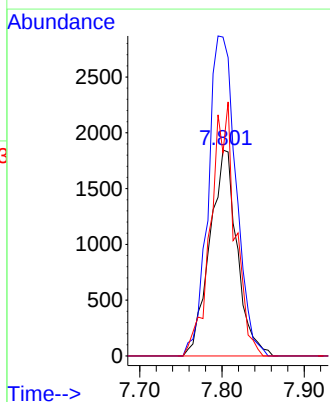
Tgt Ion: 56 Resp: 4274

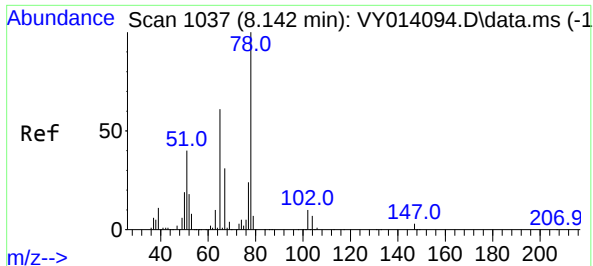
Ion Ratio Lower Upper

56 100

69 154.8 27.8 41.6#

84 98.8 66.4 99.6

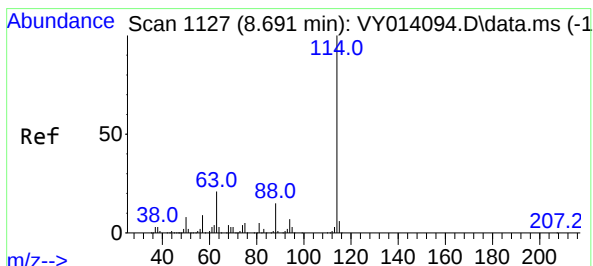
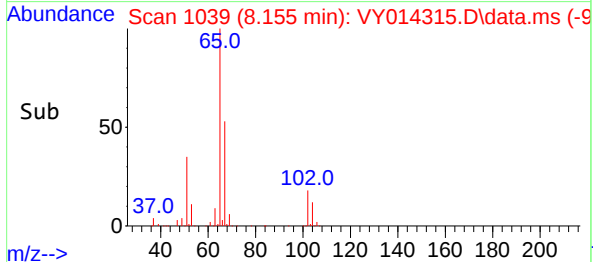
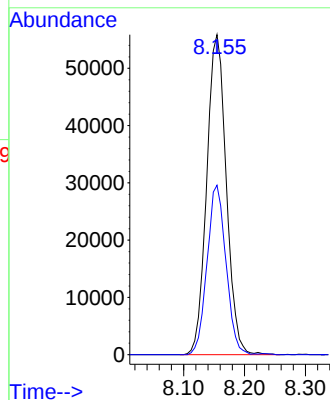
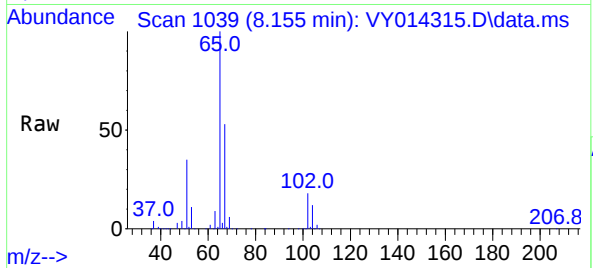




#33
1,2-Dichloroethane-d4
Concen: 49.414 ug/l
RT: 8.155 min Scan# 1037
Delta R.T. 0.013 min
Lab File: VY014315.D
Acq: 21 Jun 2023 04:47

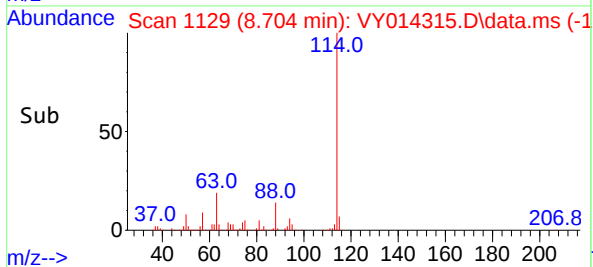
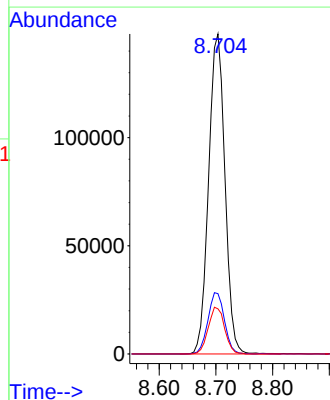
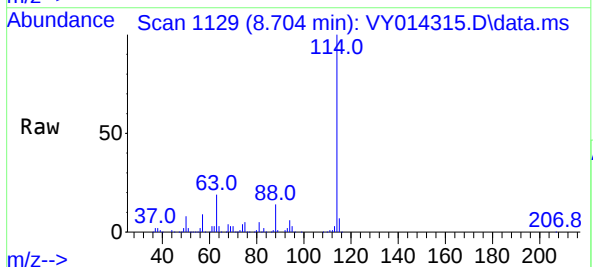
Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-SW04-8-15-GRAB-6

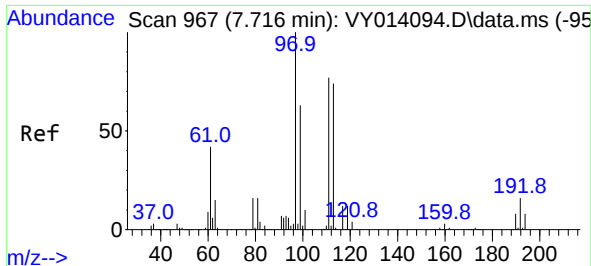
Tgt Ion: 65 Resp: 124560
Ion Ratio Lower Upper
65 100
67 51.2 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.704 min Scan# 1129
Delta R.T. 0.013 min
Lab File: VY014315.D
Acq: 21 Jun 2023 04:47

Tgt Ion: 114 Resp: 295609
Ion Ratio Lower Upper
114 100
63 18.8 0.0 42.4
88 14.1 0.0 30.6

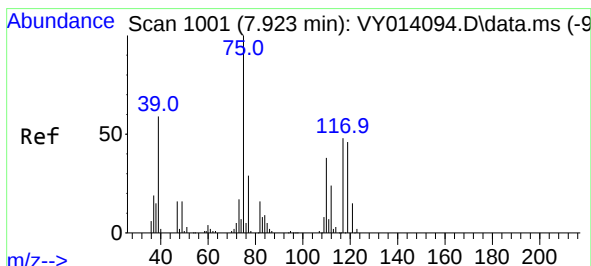
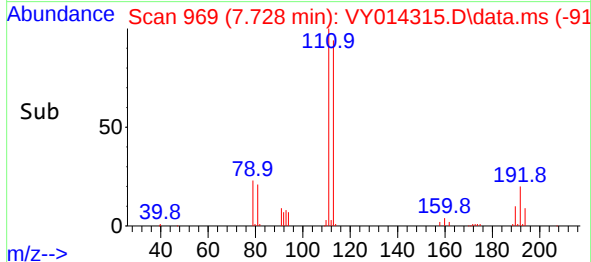
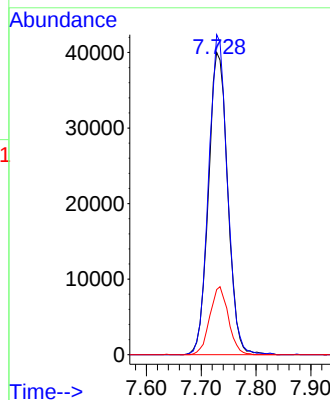
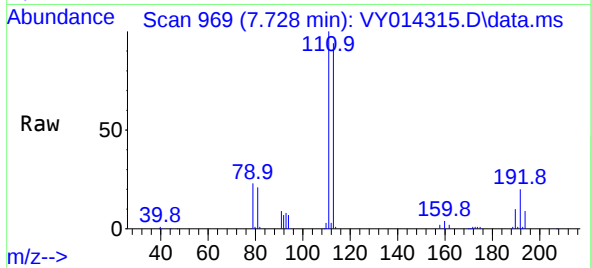




#35
Dibromofluoromethane
Concen: 46.525 ug/l
RT: 7.728 min Scan# 911
Delta R.T. 0.012 min
Lab File: VY014315.D
Acq: 21 Jun 2023 04:47

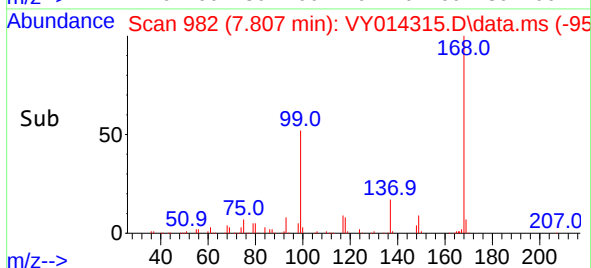
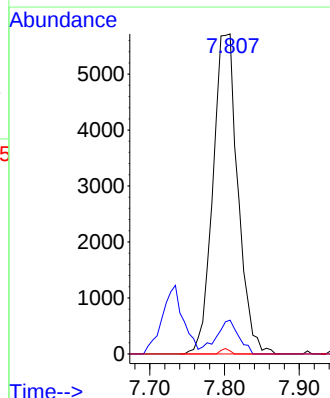
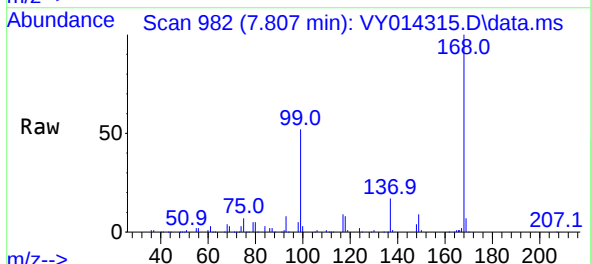
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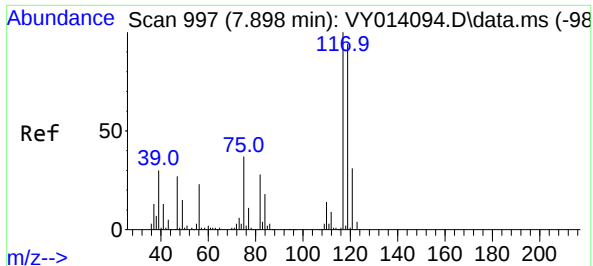
Tgt Ion:113 Resp: 97535
Ion Ratio Lower Upper
113 100
111 102.9 81.3 121.9
192 21.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.060 ug/l
RT: 7.807 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY014315.D
Acq: 21 Jun 2023 04:47

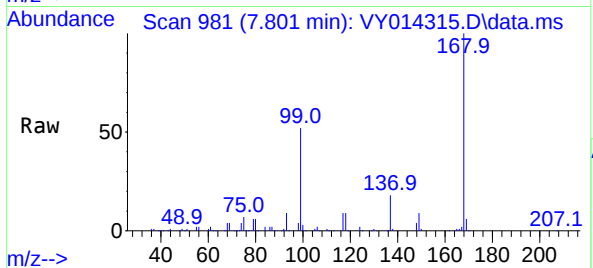
Tgt Ion: 75 Resp: 13270
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.5#
77 0.6 24.4 36.6#



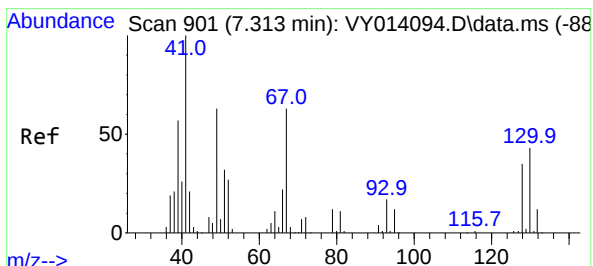
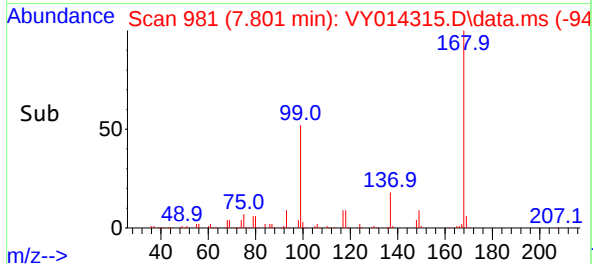
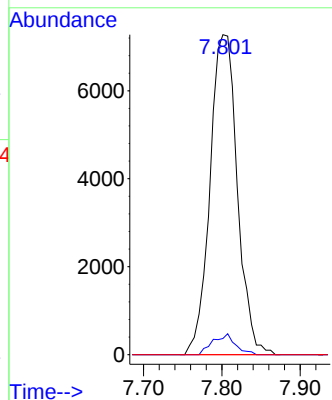


#38
Carbon Tetrachloride
Concen: 4.682 ug/l
RT: 7.801 min Scan# 910
Delta R.T. -0.097 min
Lab File: VY014315.D
Acq: 21 Jun 2023 04:47

Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-SW04-8-15-GRAB-6

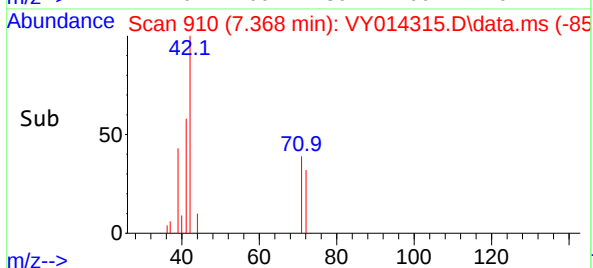
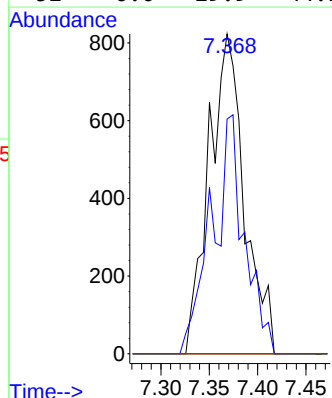
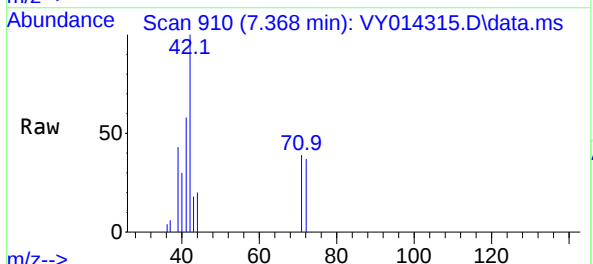


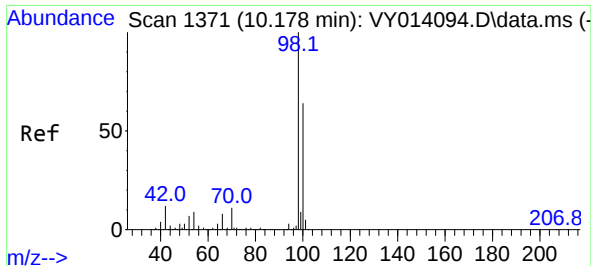
Tgt Ion:117 Resp: 17660
Ion Ratio Lower Upper
117 100
119 5.1 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 1.820 ug/l
RT: 7.368 min Scan# 910
Delta R.T. 0.055 min
Lab File: VY014315.D
Acq: 21 Jun 2023 04:47

Tgt Ion: 41 Resp: 2095
Ion Ratio Lower Upper
41 100
39 68.2 52.1 78.1
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

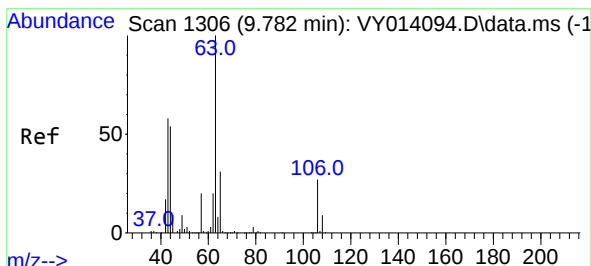
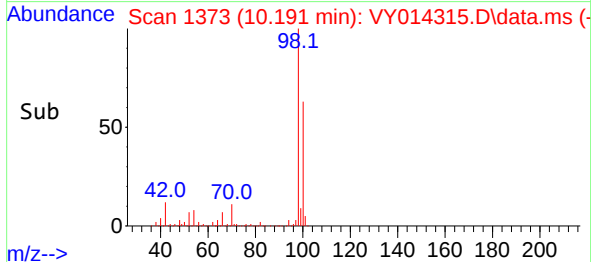
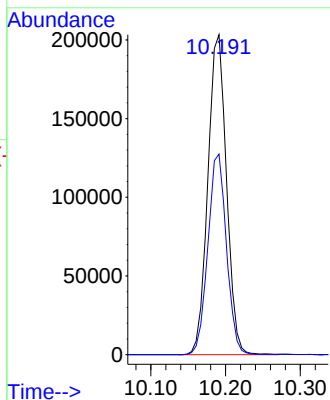
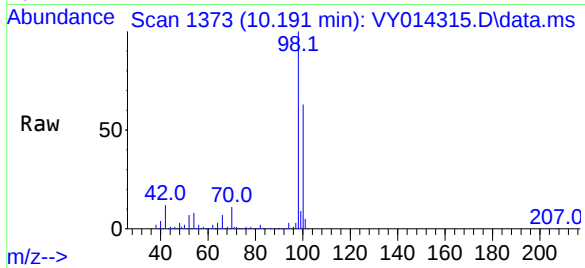




#50
Toluene-d8
Concen: 45.000 ug/l
RT: 10.191 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY014315.D
Acq: 21 Jun 2023 04:47

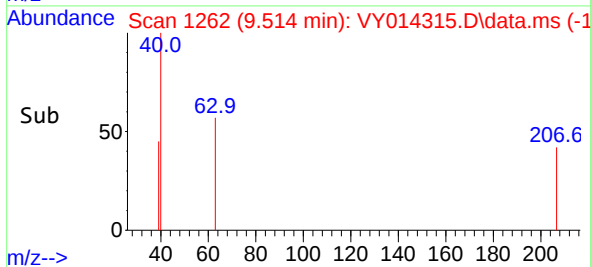
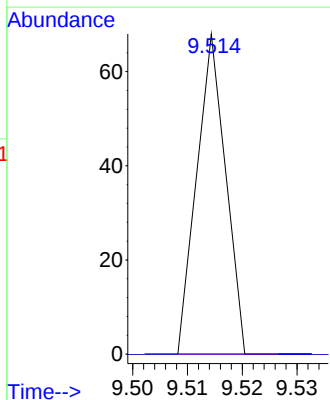
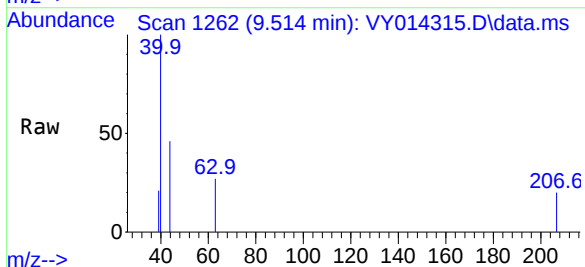
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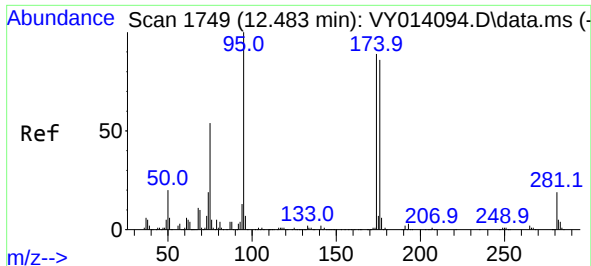
Tgt Ion: 98 Resp: 352692
Ion Ratio Lower Upper
98 100
100 62.7 50.1 75.1



#58
2-Chloroethyl Vinyl ether
Concen: 28.637 ug/l
RT: 9.514 min Scan# 1262
Delta R.T. -0.268 min
Lab File: VY014315.D
Acq: 21 Jun 2023 04:47

Tgt Ion: 63 Resp: 25
Ion Ratio Lower Upper
63 100
106 0.0 21.2 31.8#

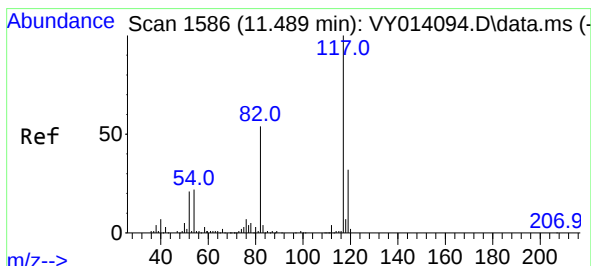
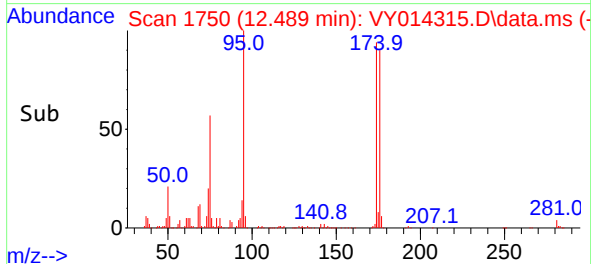
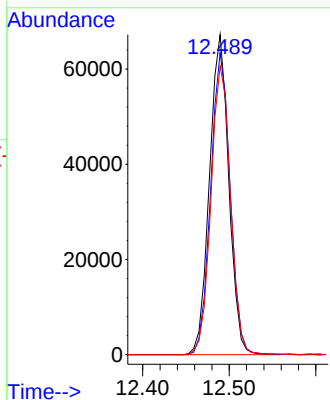
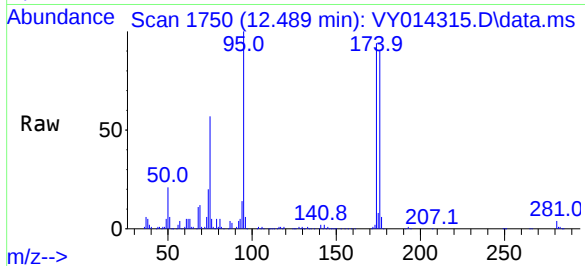




#62
4-Bromofluorobenzene
Concen: 37.453 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014315.D
Acq: 21 Jun 2023 04:47

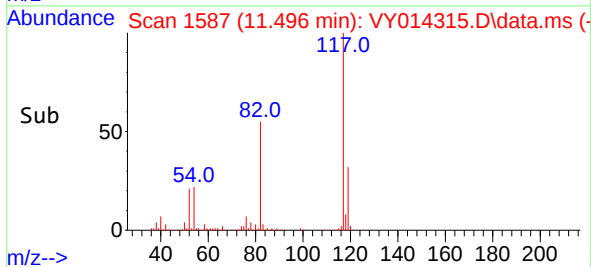
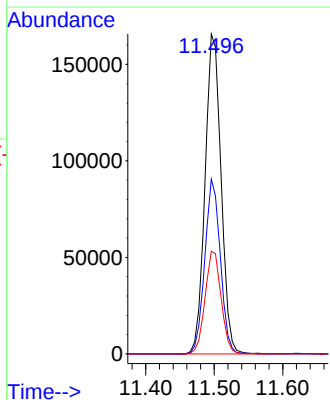
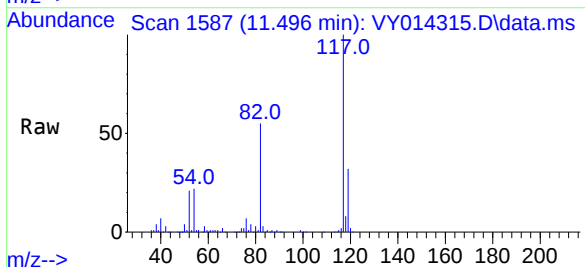
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW04-8-15-GRAB-6

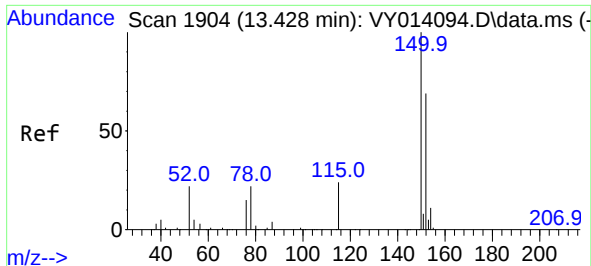
Tgt Ion: 95 Resp: 104274
Ion Ratio Lower Upper
95 100
174 95.0 0.0 178.2
176 91.0 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY014315.D
Acq: 21 Jun 2023 04:47

Tgt Ion: 117 Resp: 270434
Ion Ratio Lower Upper
117 100
82 54.6 43.4 65.0
119 32.1 26.3 39.5

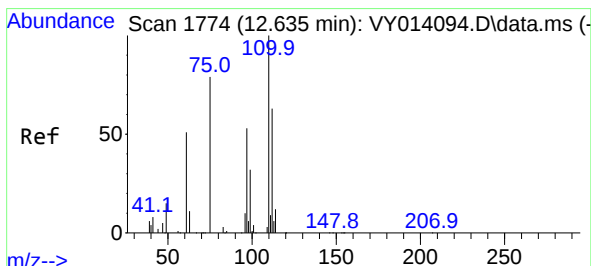
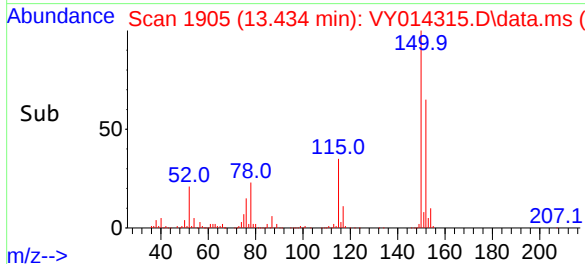
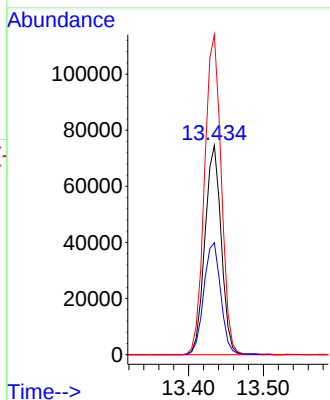
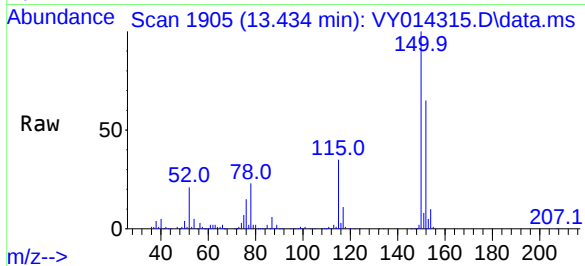




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY014315.D
Acq: 21 Jun 2023 04:47

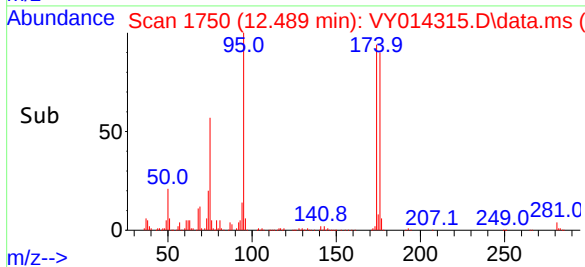
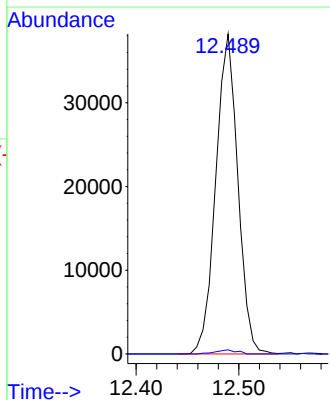
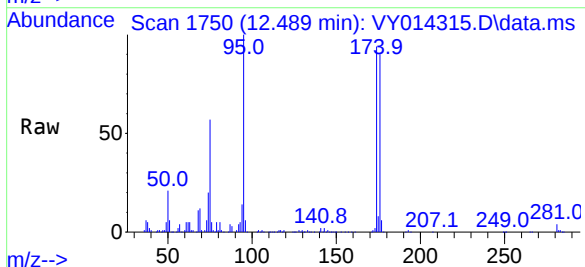
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW04-8-15-GRAB-6

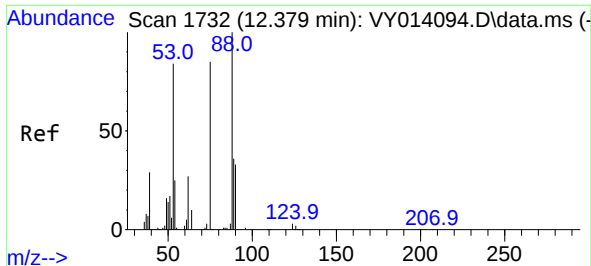
Tgt Ion:152 Resp: 113354
Ion Ratio Lower Upper
152 100
115 55.7 28.8 86.5
150 156.7 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 38.248 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY014315.D
Acq: 21 Jun 2023 04:47

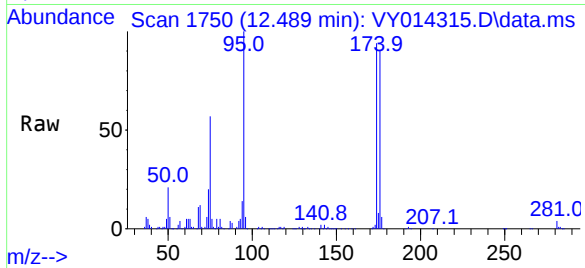
Tgt Ion: 75 Resp: 56882
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.678 ug/l
 RT: 12.489 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY014315.D
 Acq: 21 Jun 2023 04:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SW04-8-15-GRAB-6



Tgt Ion: 75 Resp: 56882
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.8 116.8#
 89 0.0 37.4 56.0#

