

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014311.D
 Acq On : 21 Jun 2023 03:13
 Operator : KP/MD
 Sample : 03328-11
 Misc : 4.51g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SW04-0-8-GRAB-6

Quant Time: Jun 21 05:09:46 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)

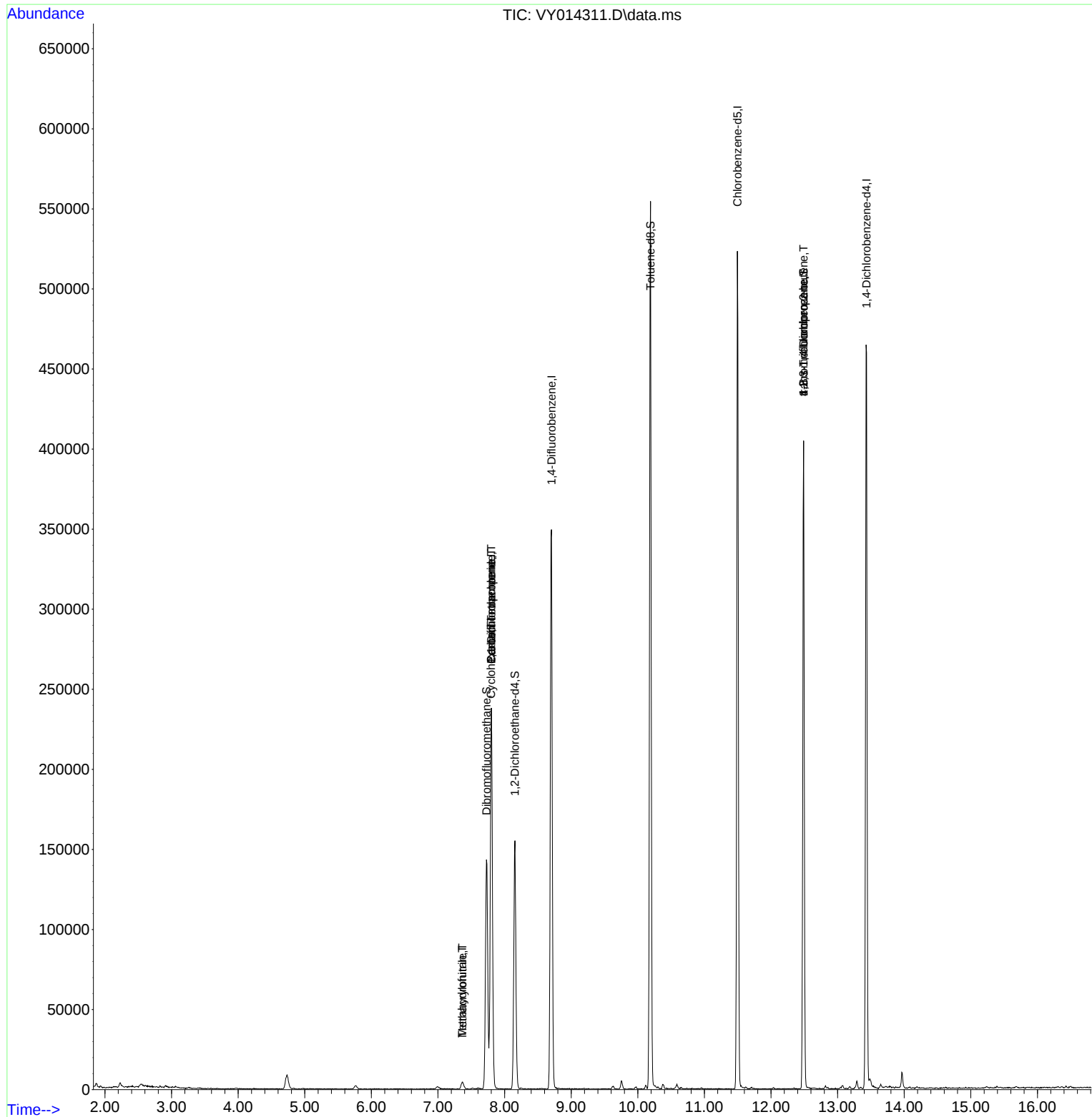
Internal Standards						
1) Pentafluorobenzene	7.801	168	181079	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	296404	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	277732	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	125214	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	128735	51.054	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.100%
35) Dibromofluoromethane	7.728	113	98128	46.682	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.360%
50) Toluene-d8	10.191	98	355555	45.244	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.480%
62) 4-Bromofluorobenzene	12.489	95	110876	39.717	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.440%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	134	Below Cal	#	55
20) Methylene Chloride	4.729	84	6654	Below Cal	#	83
29) Tetrahydrofuran	7.362	42	3498	5.896	ug/l	94
31) Cyclohexane	7.795	56	4119	1.219	ug/l #	13
36) 1,1-Dichloropropene	7.801	75	13757	4.198	ug/l #	52
38) Carbon Tetrachloride	7.801	117	17633	4.663	ug/l #	18
41) Methacrylonitrile	7.368	41	2179	1.888	ug/l #	43
76) 1,2,3-Trichloropropane	12.489	75	60439	36.791	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	60439	79.527	ug/l #	11

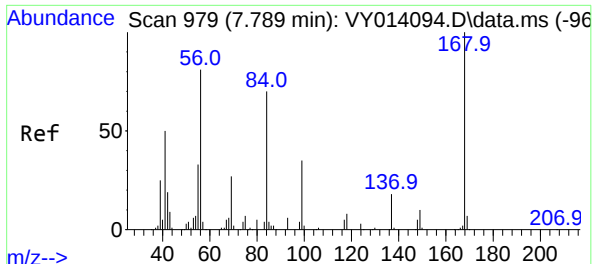
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

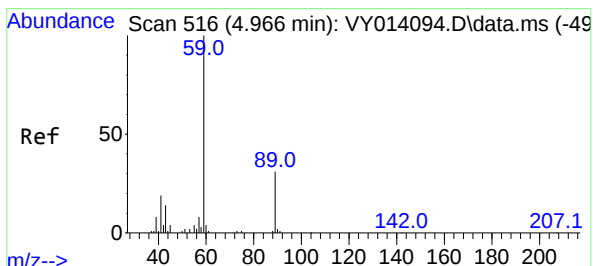
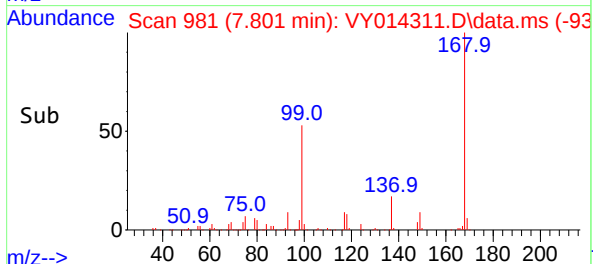
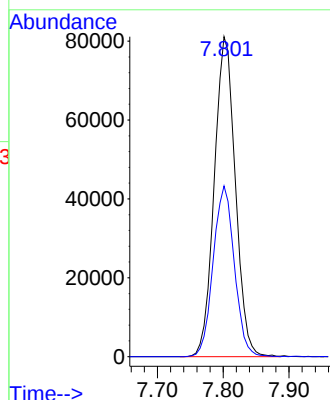
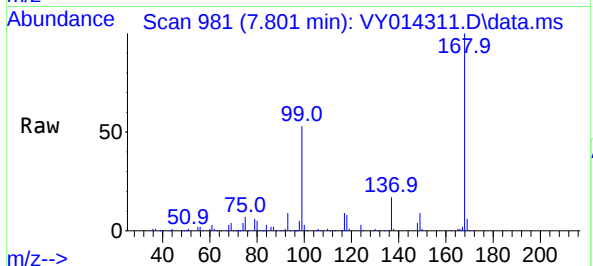




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014311.D
Acq: 21 Jun 2023 03:13

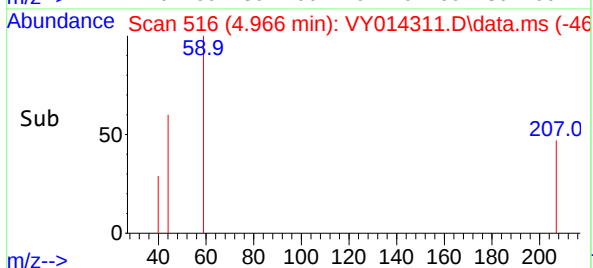
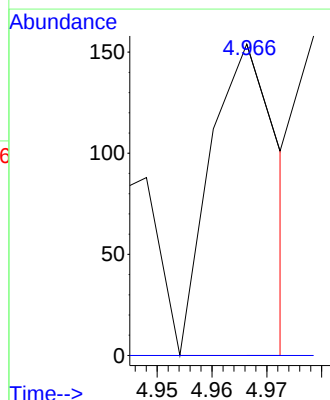
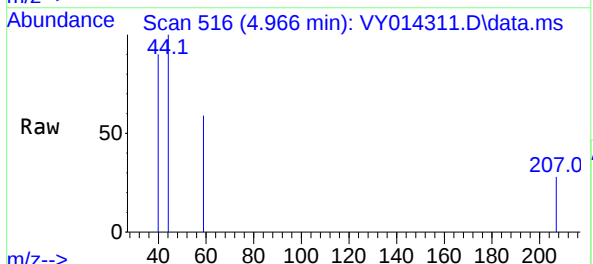
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW04-0-8-GRAB-6

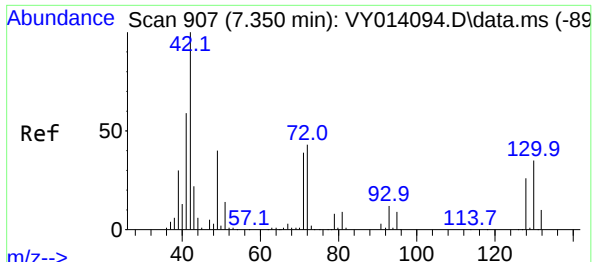
Tgt Ion:168 Resp: 181079
Ion Ratio Lower Upper
168 100
99 53.4 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.966 min Scan# 516
Delta R.T. 0.000 min
Lab File: VY014311.D
Acq: 21 Jun 2023 03:13

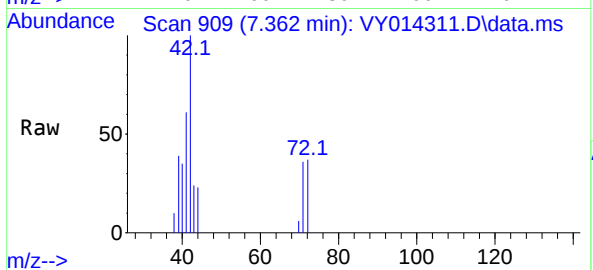
Tgt Ion: 59 Resp: 134
Ion Ratio Lower Upper
59 100
57 18.7 3.0 4.4#





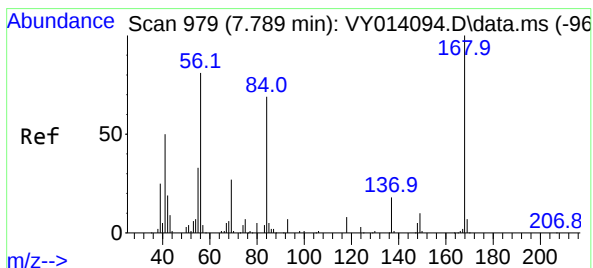
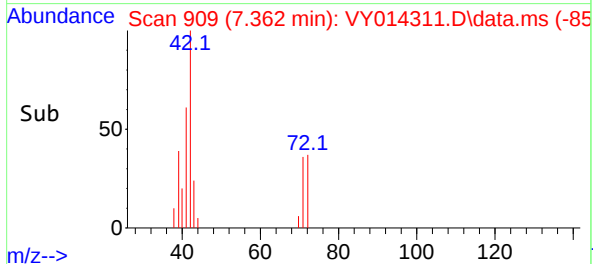
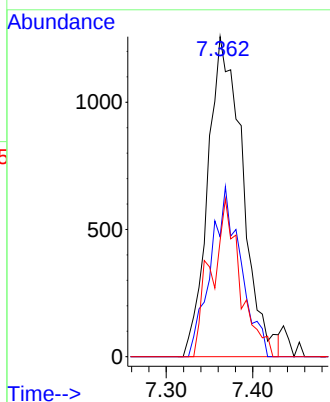
#29
Tetrahydrofuran
Concen: 5.896 ug/l
RT: 7.362 min Scan# 907
Delta R.T. 0.012 min
Lab File: VY014311.D
Acq: 21 Jun 2023 03:13

Instrument :
MSVOA_Y
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TOTAL-VOC-SW04-0-8-GRAB-6



Tgt Ion: 42 Resp: 3498

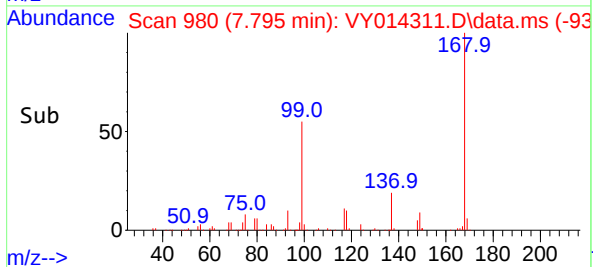
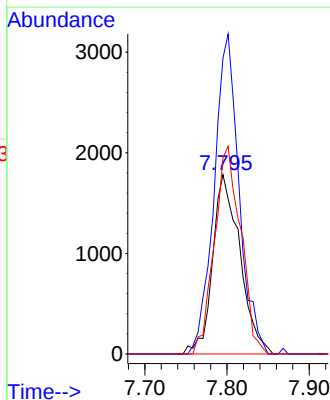
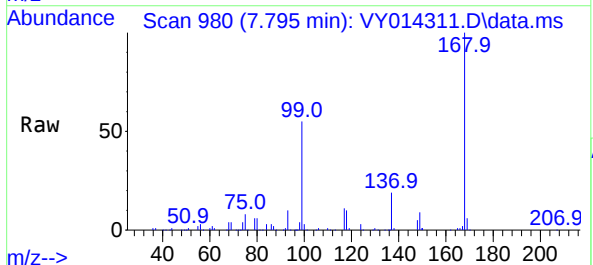
Ion	Ratio	Lower	Upper
42	100		
72	46.2	32.8	49.2
71	41.3	31.0	46.4

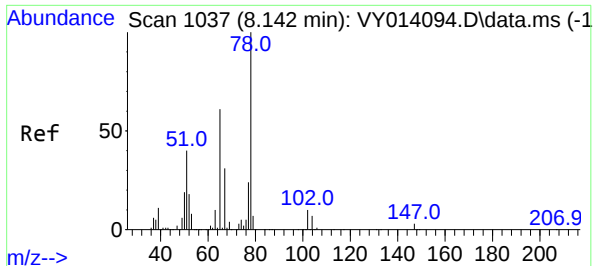


#31
Cyclohexane
Concen: 1.219 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY014311.D
Acq: 21 Jun 2023 03:13

Tgt Ion: 56 Resp: 4119

Ion	Ratio	Lower	Upper
56	100		
69	165.2	27.8	41.6#
84	109.4	66.4	99.6#





#33

1,2-Dichloroethane-d4

Concen: 51.054 ug/l

RT: 8.155 min Scan# 1037

Delta R.T. 0.013 min

Lab File: VY014311.D

Acq: 21 Jun 2023 03:13

Instrument :

MSVOA_Y

ClientSampleId :

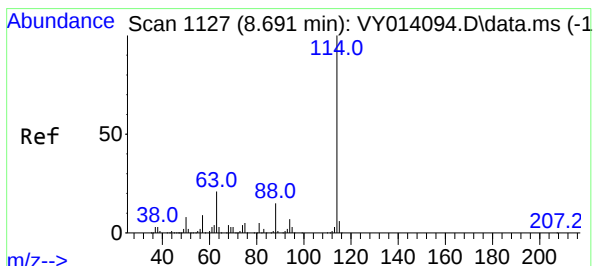
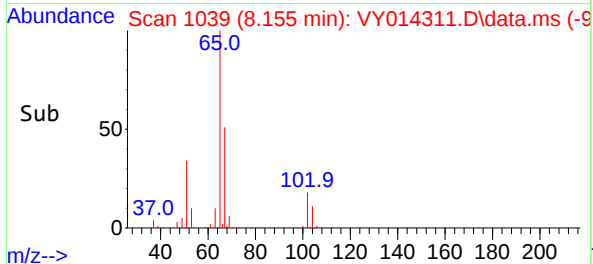
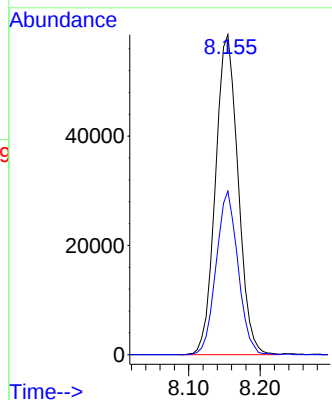
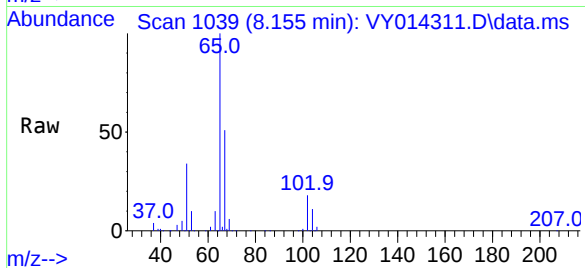
TOTAL-VOC-SW04-0-8-GRAB-6

Tgt Ion: 65 Resp: 128735

Ion Ratio Lower Upper

65 100

67 49.4 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.012 min

Lab File: VY014311.D

Acq: 21 Jun 2023 03:13

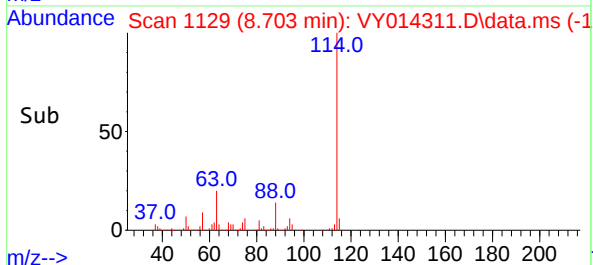
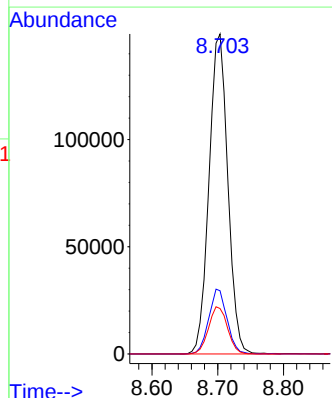
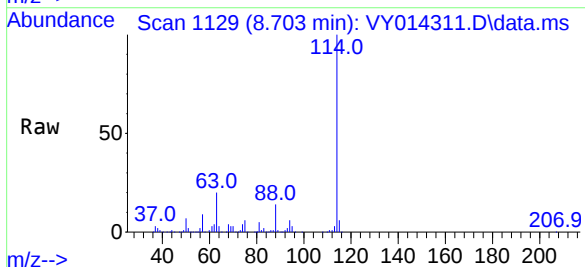
Tgt Ion: 114 Resp: 296404

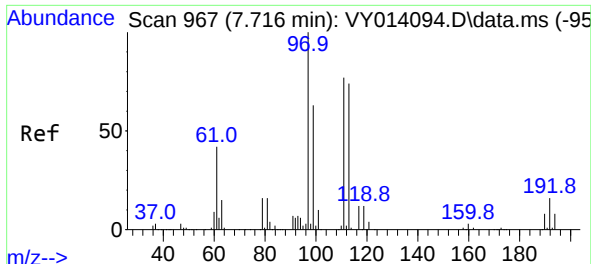
Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.4

88 14.2 0.0 30.6

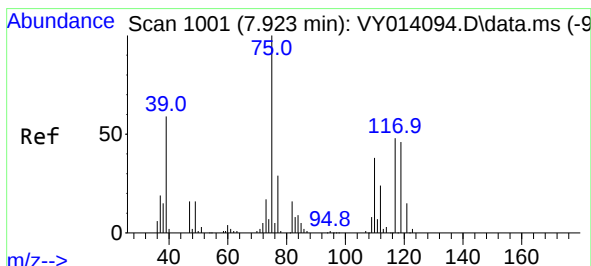
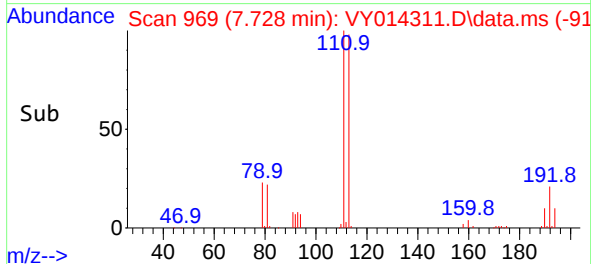
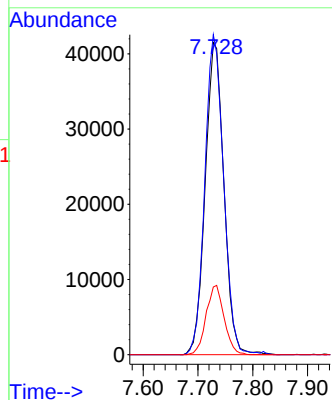
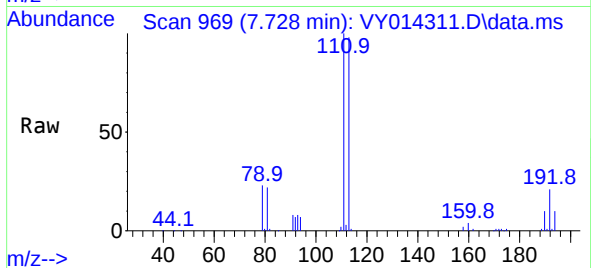




#35
Dibromofluoromethane
Concen: 46.682 ug/l
RT: 7.728 min Scan# 90
Delta R.T. 0.012 min
Lab File: VY014311.D
Acq: 21 Jun 2023 03:13

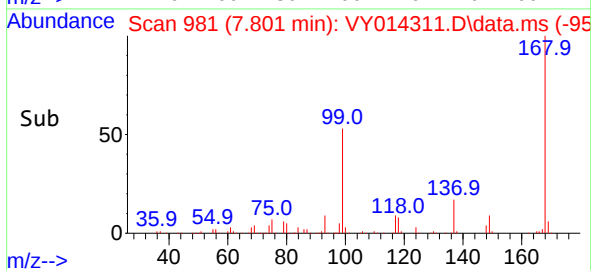
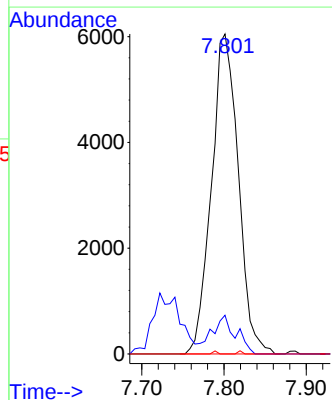
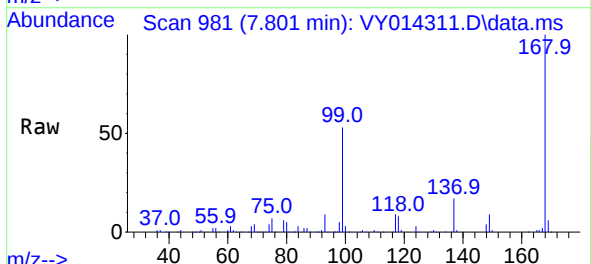
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW04-0-8-GRAB-6

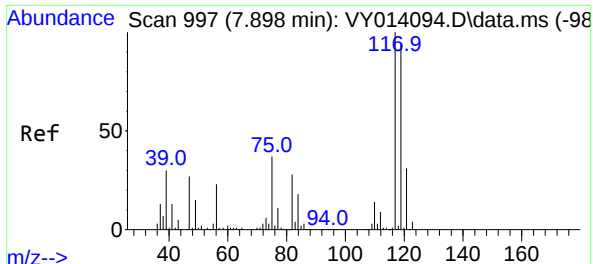
Tgt Ion:113 Resp: 98128
Ion Ratio Lower Upper
113 100
111 102.6 81.3 121.9
192 21.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.198 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY014311.D
Acq: 21 Jun 2023 03:13

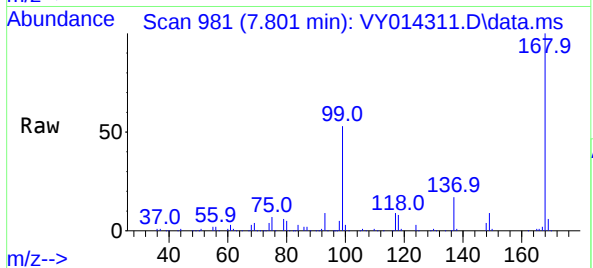
Tgt Ion: 75 Resp: 13757
Ion Ratio Lower Upper
75 100
110 11.1 17.8 53.5#
77 0.2 24.4 36.6#



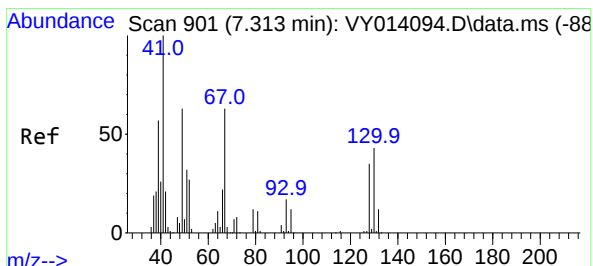
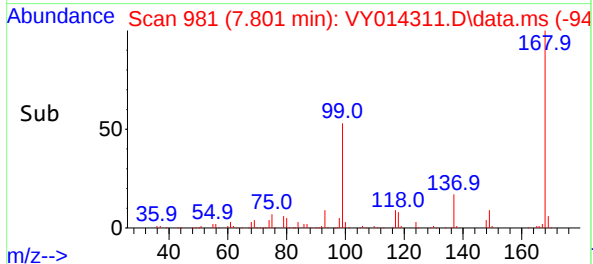
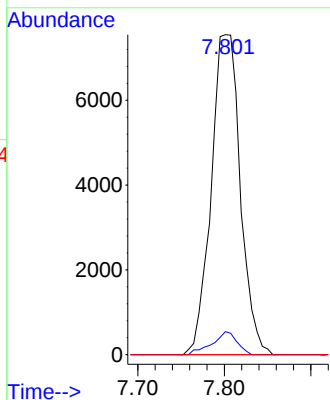


#38
Carbon Tetrachloride
Concen: 4.663 ug/l
RT: 7.801 min Scan# 910
Delta R.T. -0.097 min
Lab File: VY014311.D
Acq: 21 Jun 2023 03:13

Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-SW04-0-8-GRAB-6

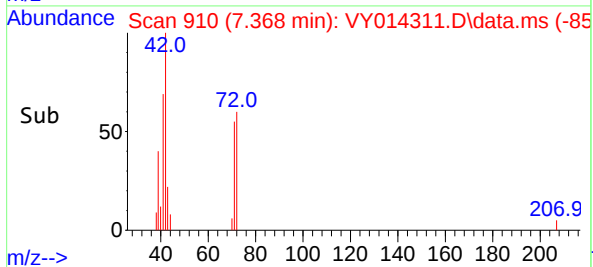
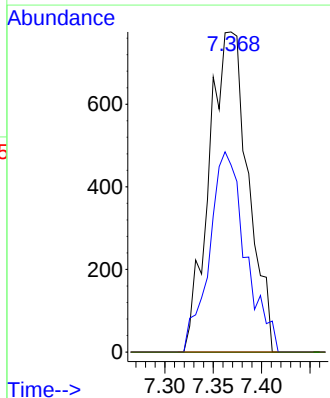
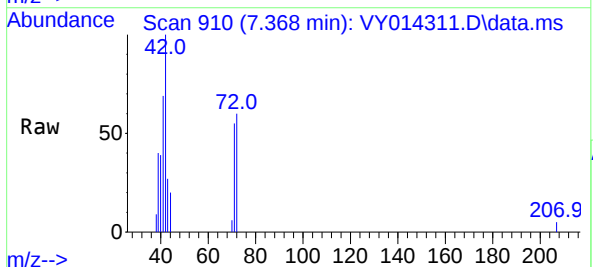


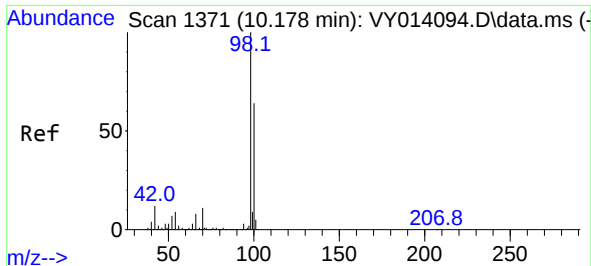
Tgt Ion:117 Resp: 17633
Ion Ratio Lower Upper
117 100
119 7.2 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 1.888 ug/l
RT: 7.368 min Scan# 910
Delta R.T. 0.055 min
Lab File: VY014311.D
Acq: 21 Jun 2023 03:13

Tgt Ion: 41 Resp: 2179
Ion Ratio Lower Upper
41 100
39 58.0 52.1 78.1
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

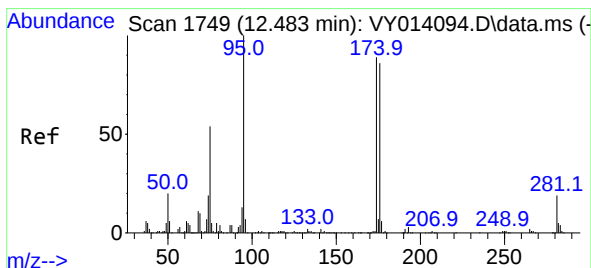
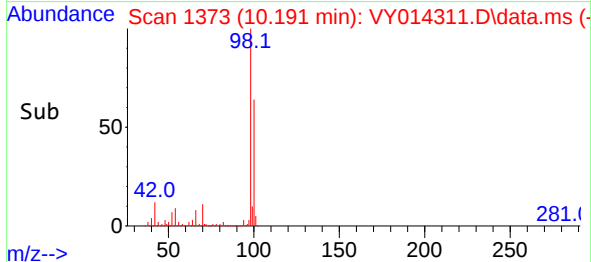
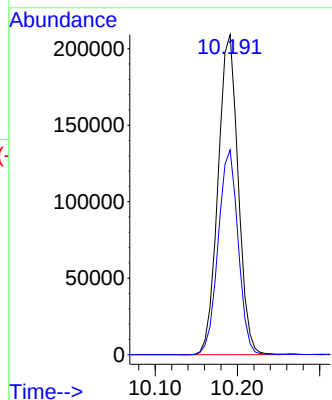
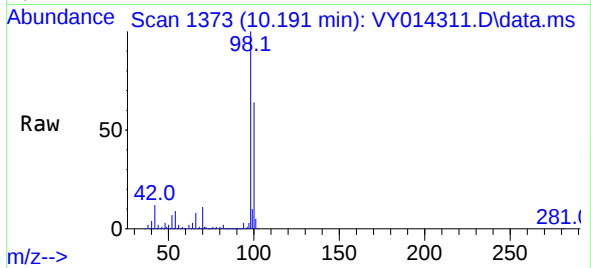




#50
Toluene-d8
Concen: 45.244 ug/l
RT: 10.191 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY014311.D
Acq: 21 Jun 2023 03:13

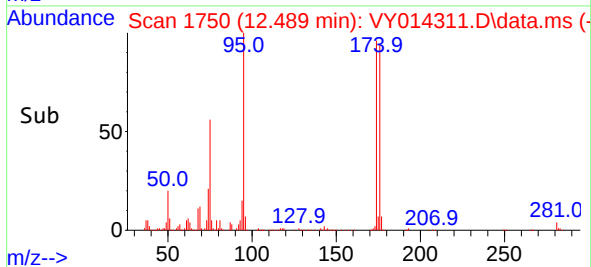
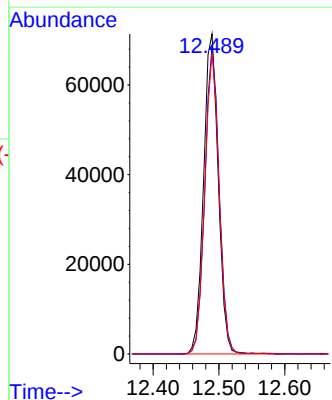
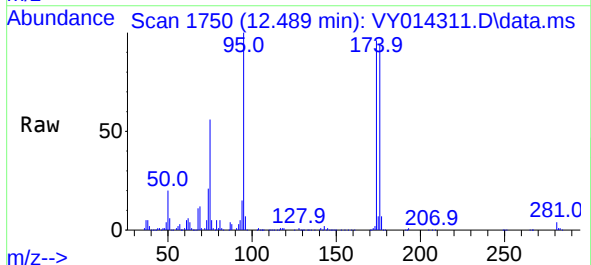
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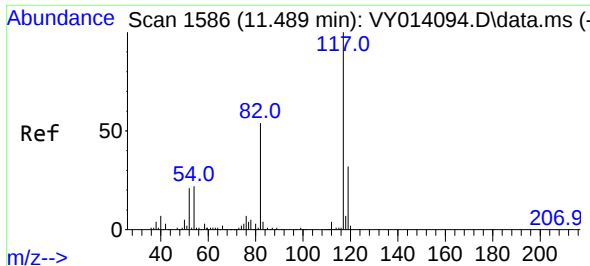
Tgt Ion: 98 Resp: 355555
Ion Ratio Lower Upper
98 100
100 63.5 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 39.717 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY014311.D
Acq: 21 Jun 2023 03:13

Tgt Ion: 95 Resp: 110876
Ion Ratio Lower Upper
95 100
174 94.0 0.0 178.2
176 91.7 0.0 173.8

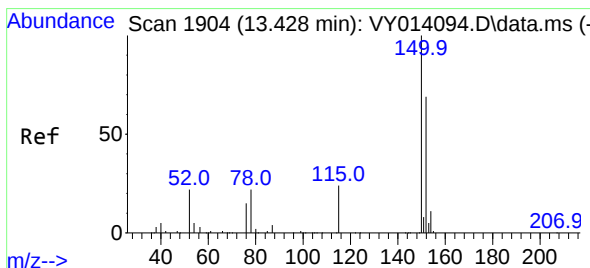
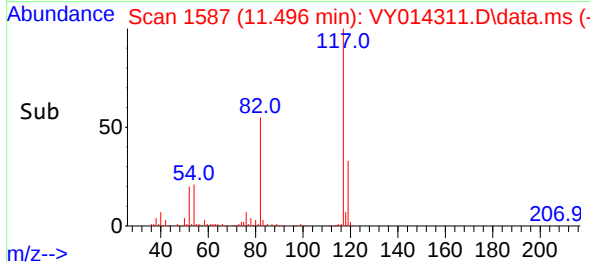
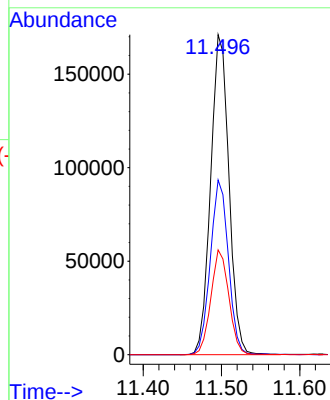
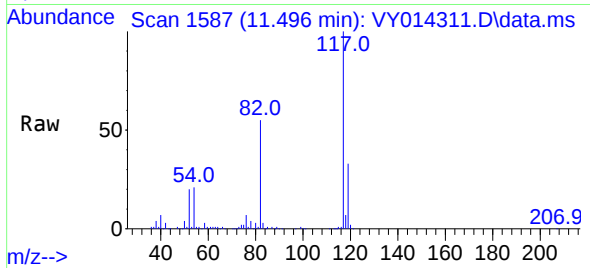




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY014311.D
Acq: 21 Jun 2023 03:13

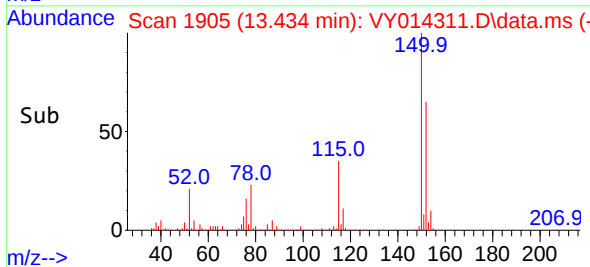
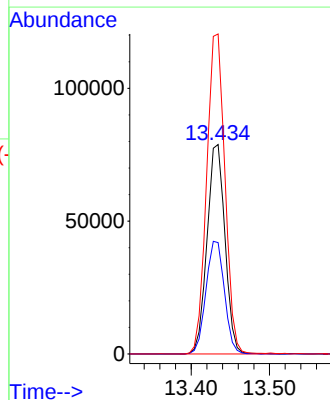
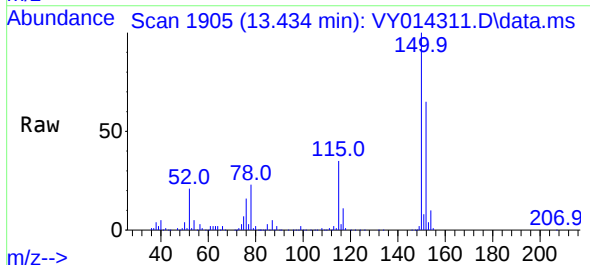
Instrument :
MSVOA_Y
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TOTAL-VOC-SW04-0-8-GRAB-6

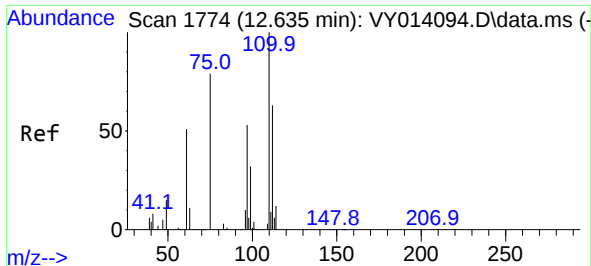
Tgt Ion:117 Resp: 277732
Ion Ratio Lower Upper
117 100
82 54.6 43.4 65.0
119 32.8 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VY014311.D
Acq: 21 Jun 2023 03:13

Tgt Ion:152 Resp: 125214
Ion Ratio Lower Upper
152 100
115 55.3 28.8 86.5
150 155.7 0.0 348.8

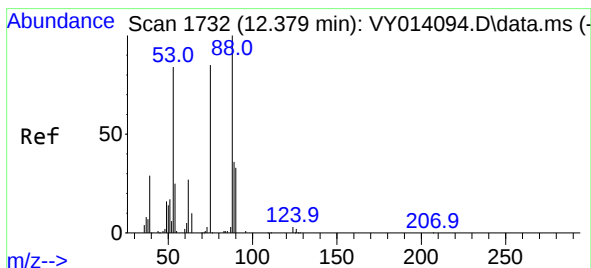
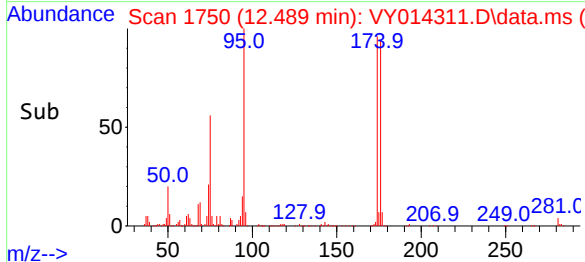
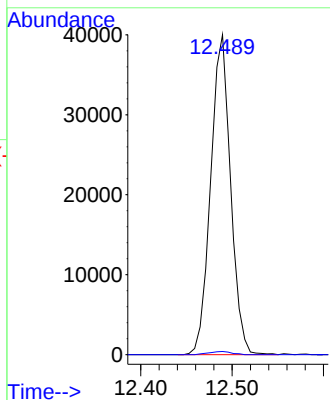
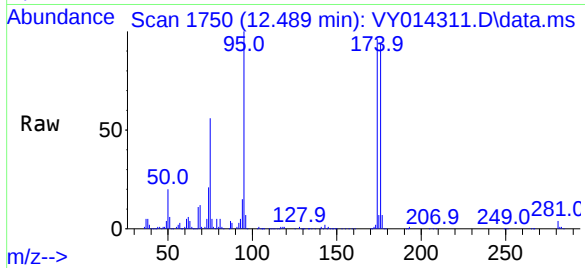




#76
1,2,3-Trichloropropane
Concen: 36.791 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY014311.D
Acq: 21 Jun 2023 03:13

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW04-0-8-GRAB-6

Tgt Ion: 75 Resp: 60439
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.527 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY014311.D
Acq: 21 Jun 2023 03:13

Tgt Ion: 75 Resp: 60439
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 0.1 37.4 56.0#

