

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014318.D
 Acq On : 21 Jun 2023 05:57
 Operator : KP/MD
 Sample : 03329-06
 Misc : 5.44g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SW03-0-8-GRAB-7

Quant Time: Jun 21 06:21:36 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)

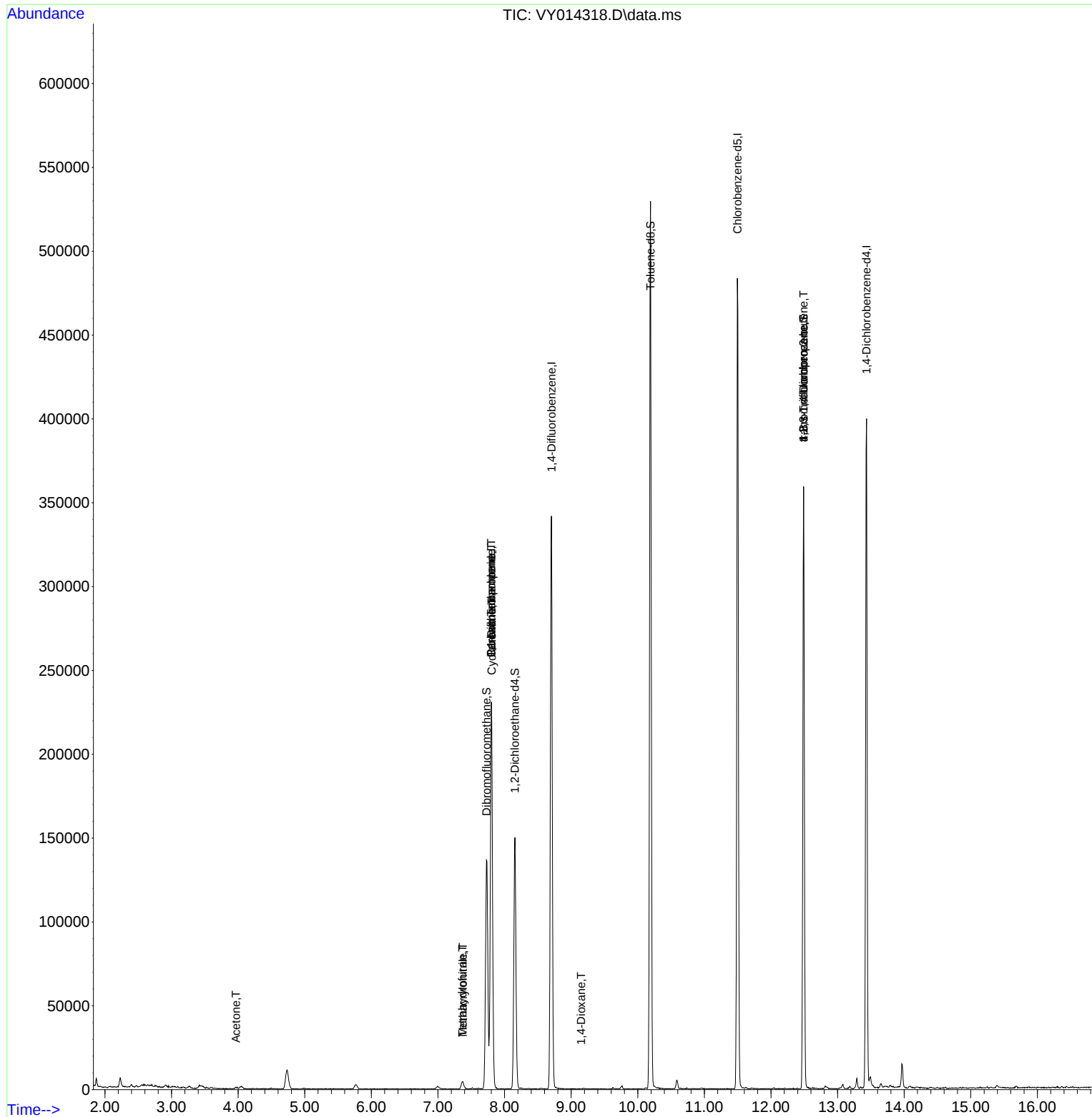
Internal Standards						
1) Pentafluorobenzene	7.801	168	178820	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	285575	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	260632	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	105648	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	124355	49.940	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.880%
35) Dibromofluoromethane	7.728	113	96258	47.529	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.060%
50) Toluene-d8	10.191	98	345319	45.608	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.220%
62) 4-Bromofluorobenzene	12.489	95	99641	37.046	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	74.100%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	222	Below Cal	#	89
16) Acetone	3.967	43	1424	1.897	ug/l	97
20) Methylene Chloride	4.735	84	8160	Below Cal		92
29) Tetrahydrofuran	7.368	42	3553	6.064	ug/l	94
31) Cyclohexane	7.807	56	4169	1.250	ug/l #	31
36) 1,1-Dichloropropene	7.801	75	13046	4.132	ug/l #	50
38) Carbon Tetrachloride	7.801	117	17299	4.748	ug/l #	16
41) Methacrylonitrile	7.374	41	2067	1.859	ug/l #	46
49) 1,4-Dioxane	9.149	88	21	1.126	ug/l #	36
76) 1,2,3-Trichloropropane	12.489	75	54265	39.150	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	54265	84.627	ug/l #	11

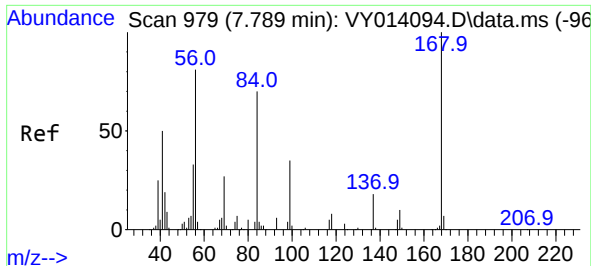
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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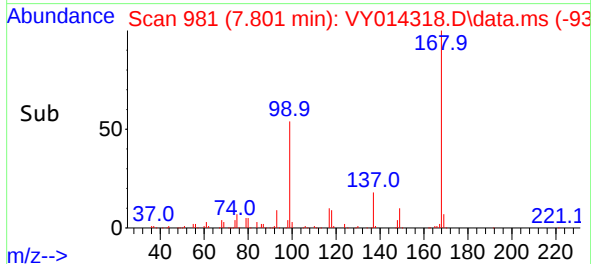
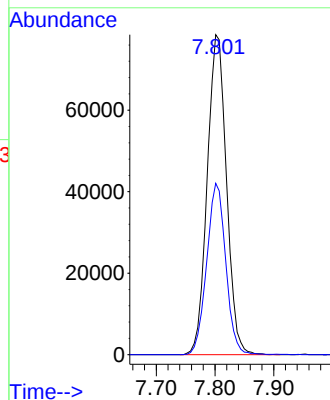
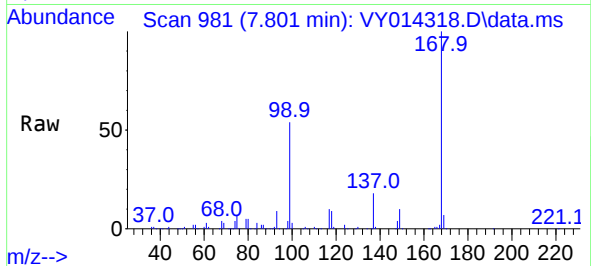




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014318.D
Acq: 21 Jun 2023 05:57

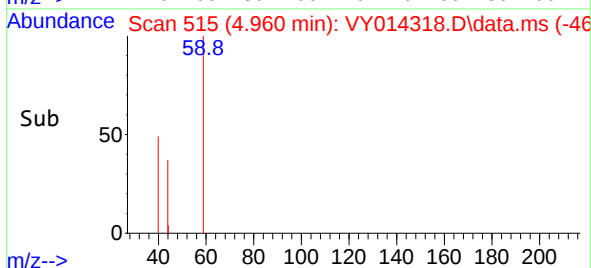
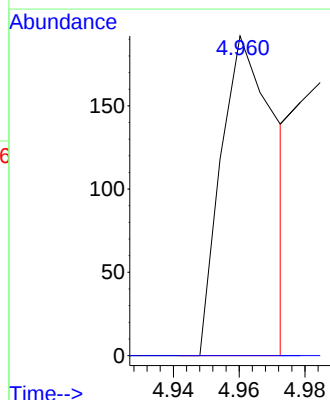
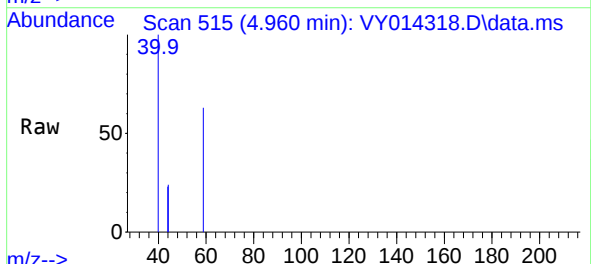
Instrument :
MSVOA_Y
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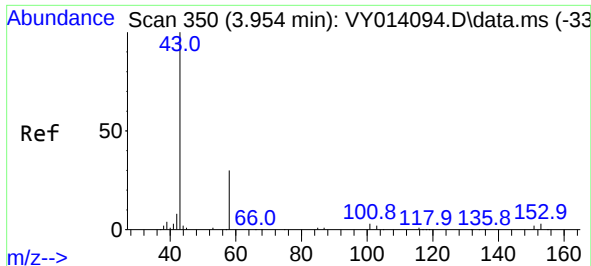
Tgt Ion:168 Resp: 178820
Ion Ratio Lower Upper
168 100
99 53.6 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. -0.006 min
Lab File: VY014318.D
Acq: 21 Jun 2023 05:57

Tgt Ion: 59 Resp: 222
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

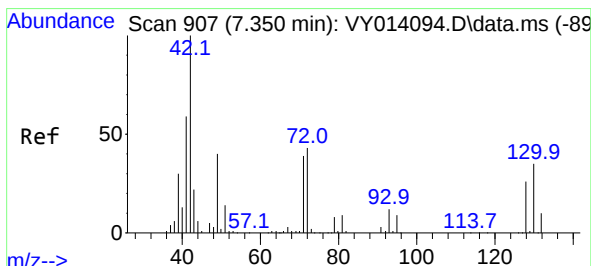
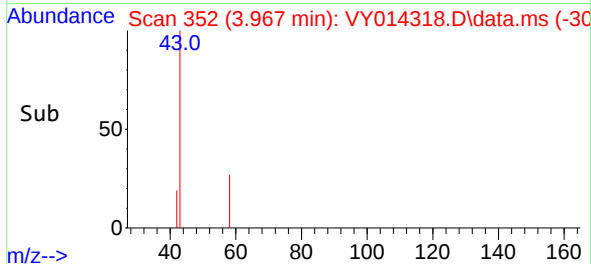
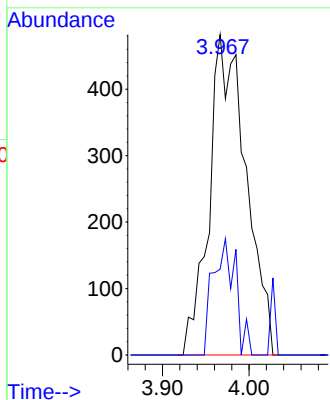
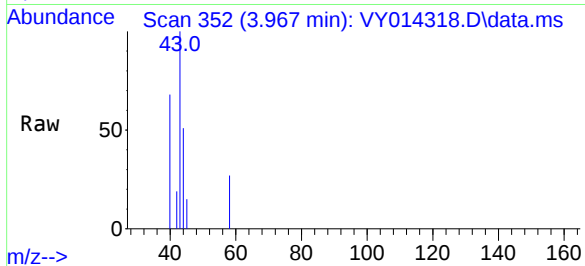




#16
Acetone
Concen: 1.897 ug/l
RT: 3.967 min Scan# 31
Delta R.T. 0.013 min
Lab File: VY014318.D
Acq: 21 Jun 2023 05:57

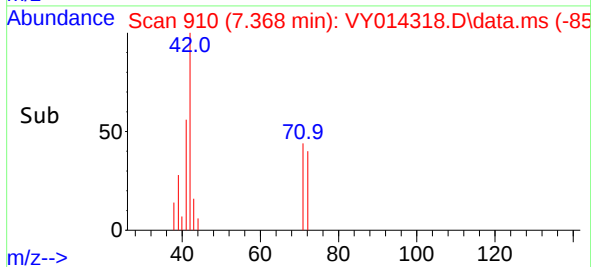
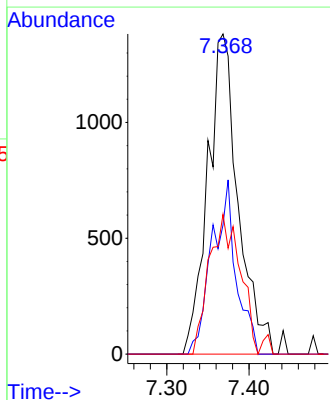
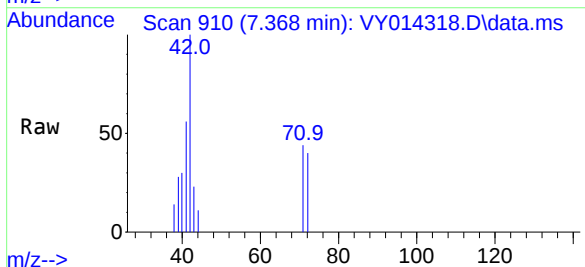
Instrument :
MSVOA_Y
ClientSampleId :
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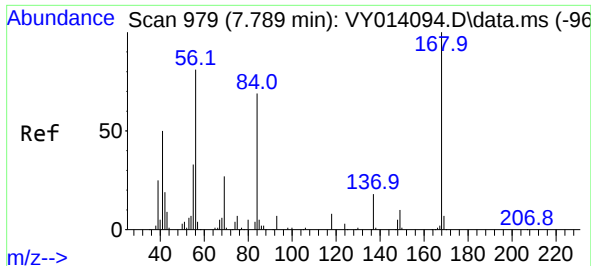
Tgt Ion: 43 Resp: 1424
Ion Ratio Lower Upper
43 100
58 26.8 22.7 34.1



#29
Tetrahydrofuran
Concen: 6.064 ug/l
RT: 7.368 min Scan# 910
Delta R.T. 0.018 min
Lab File: VY014318.D
Acq: 21 Jun 2023 05:57

Tgt Ion: 42 Resp: 3553
Ion Ratio Lower Upper
42 100
72 43.1 32.8 49.2
71 44.4 31.0 46.4

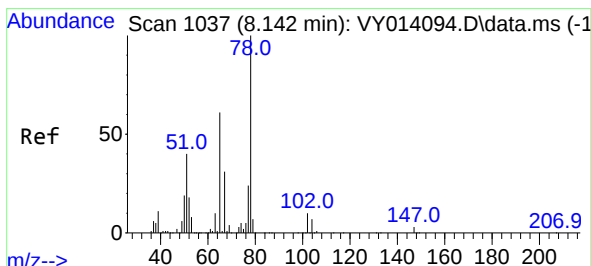
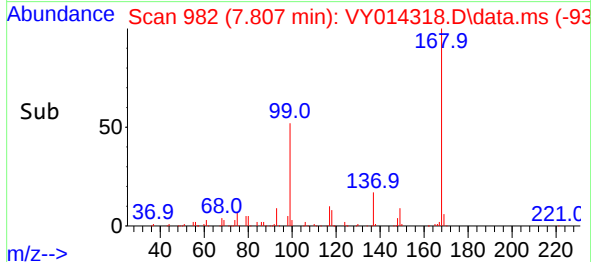
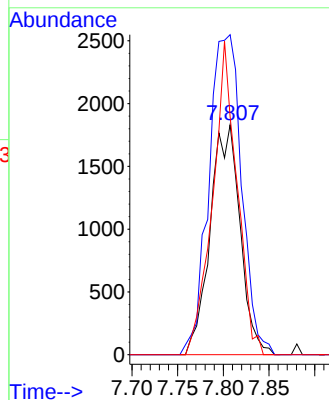
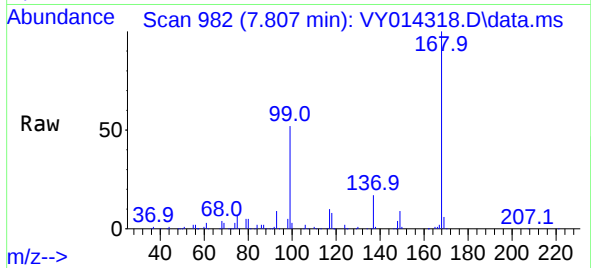




#31
Cyclohexane
Concen: 1.250 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY014318.D
Acq: 21 Jun 2023 05:57

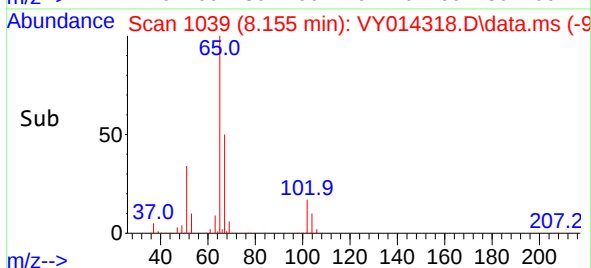
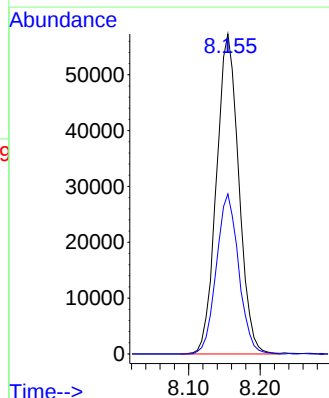
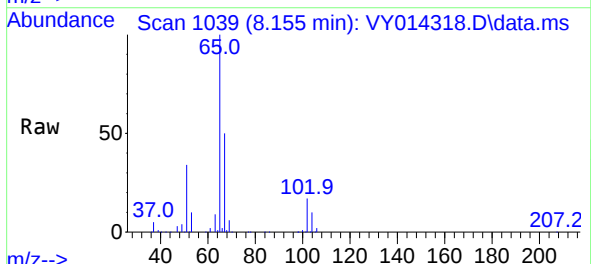
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW03-0-8-GRAB-7

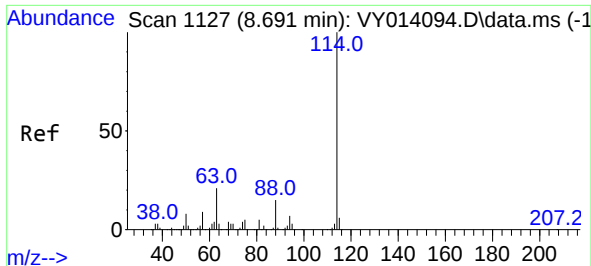
Tgt Ion: 56 Resp: 4169
Ion Ratio Lower Upper
56 100
69 139.1 27.8 41.6#
84 103.4 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 49.940 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.013 min
Lab File: VY014318.D
Acq: 21 Jun 2023 05:57

Tgt Ion: 65 Resp: 124355
Ion Ratio Lower Upper
65 100
67 49.8 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: VY014318.D

Acq: 21 Jun 2023 05:57

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SW03-0-8-GRAB-7

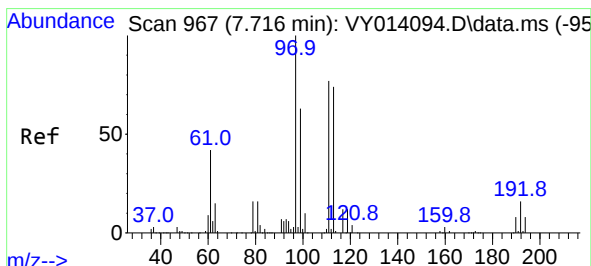
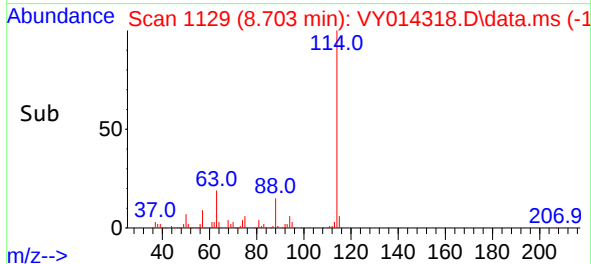
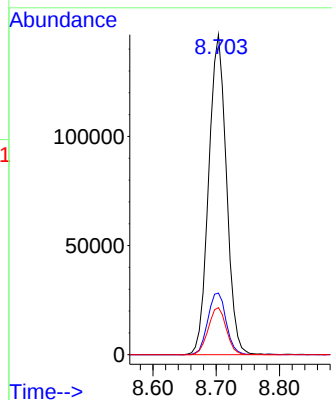
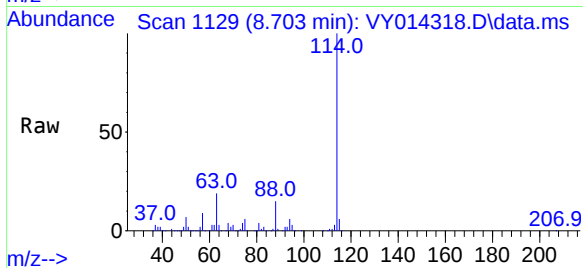
Tgt Ion:114 Resp: 285575

Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.4

88 14.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 47.529 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY014318.D

Acq: 21 Jun 2023 05:57

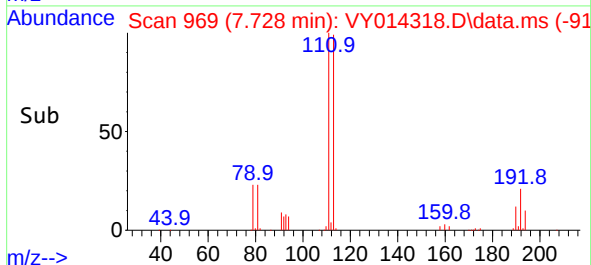
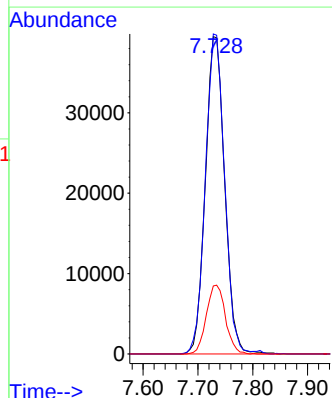
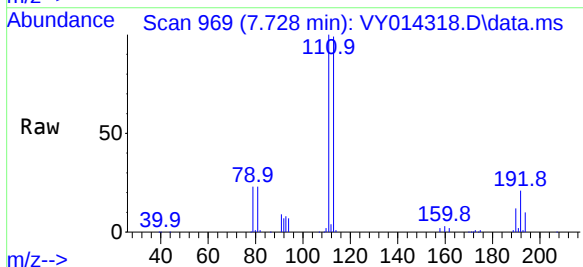
Tgt Ion:113 Resp: 96258

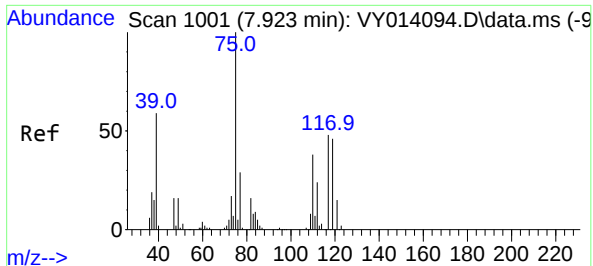
Ion Ratio Lower Upper

113 100

111 100.3 81.3 121.9

192 21.5 16.9 25.3

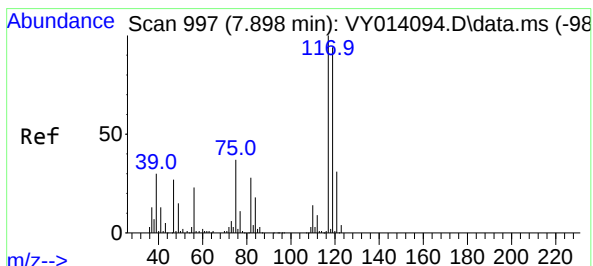
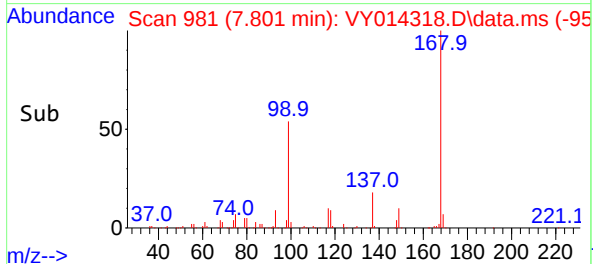
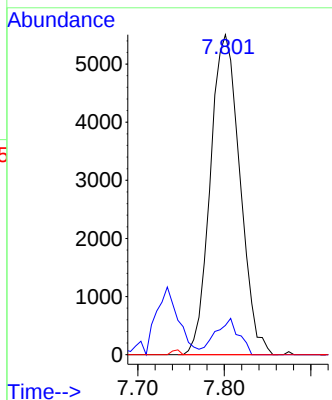
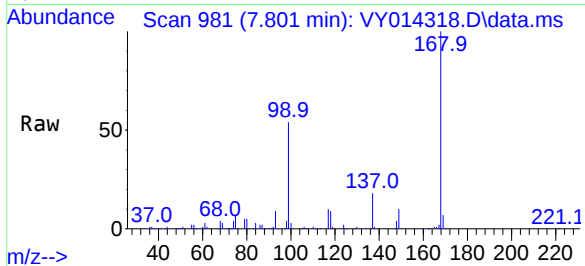




#36
1,1-Dichloropropene
Concen: 4.132 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY014318.D
Acq: 21 Jun 2023 05:57

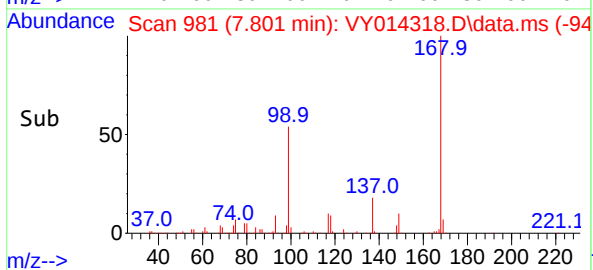
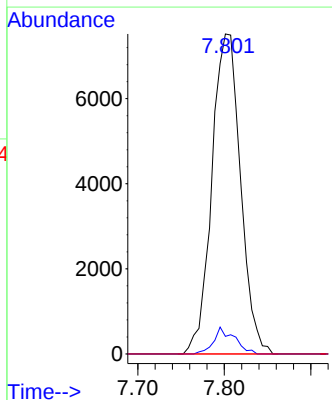
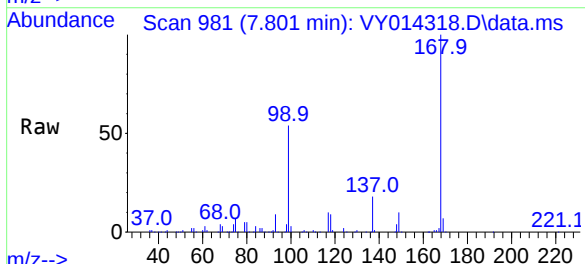
Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-SW03-0-8-GRAB-7

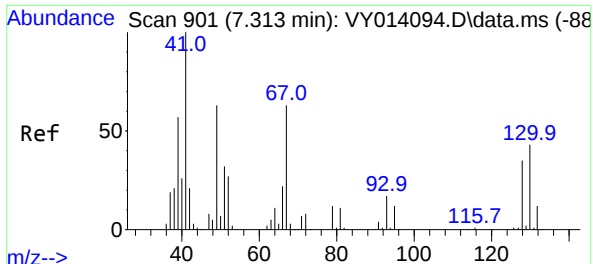
Tgt Ion:	75	Resp:	13046
Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.8	53.5#
77	0.0	24.4	36.6#



#38
Carbon Tetrachloride
Concen: 4.748 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.097 min
Lab File: VY014318.D
Acq: 21 Jun 2023 05:57

Tgt Ion:	117	Resp:	17299
Ion	Ratio	Lower	Upper
117	100		
119	5.5	76.4	114.6#
121	0.0	25.8	38.6#

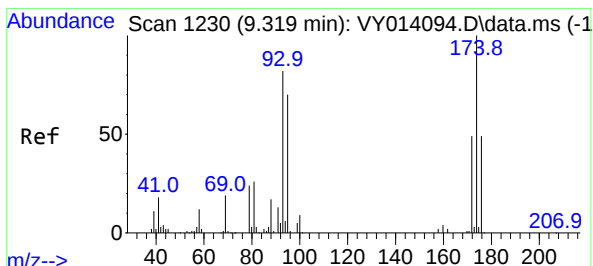
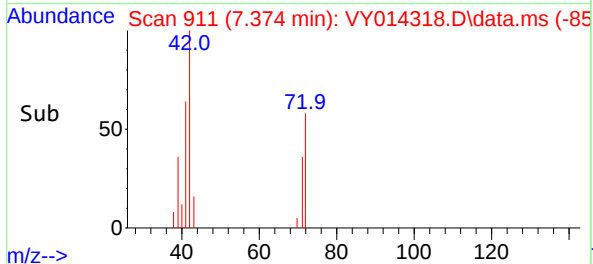
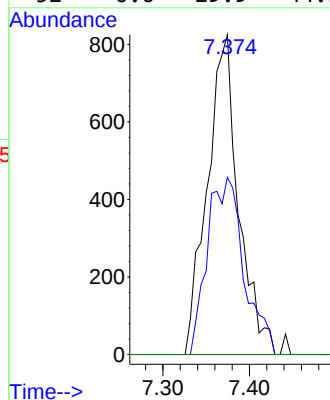
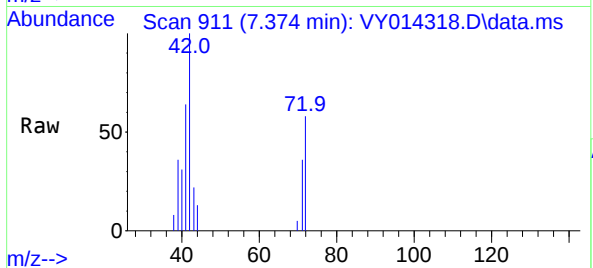




#41
Methacrylonitrile
Concen: 1.859 ug/l
RT: 7.374 min Scan# 911
Delta R.T. 0.061 min
Lab File: VY014318.D
Acq: 21 Jun 2023 05:57

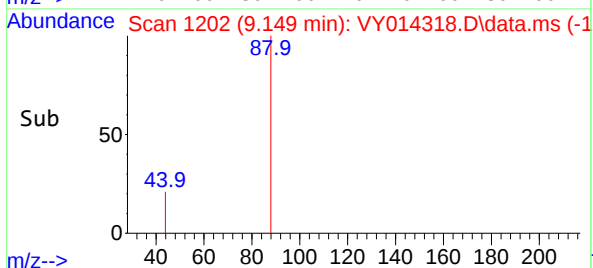
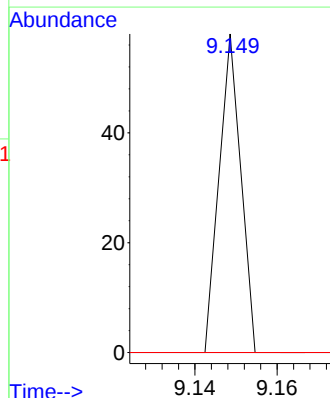
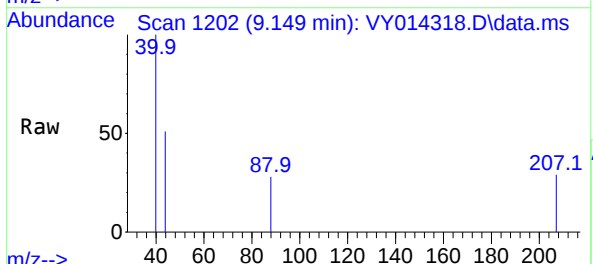
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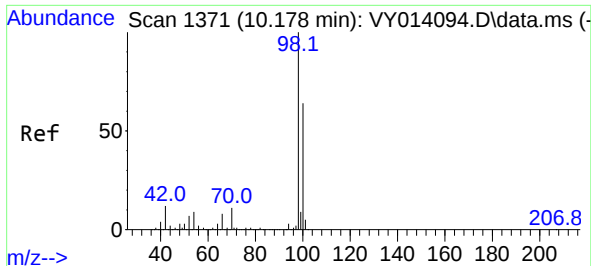
Tgt Ion: 41	Resp: 2067
Ion Ratio	Lower Upper
41 100	
39 64.8	52.1 78.1
67 0.0	66.2 99.2#
52 0.0	29.9 44.9#



#49
1,4-Dioxane
Concen: 1.126 ug/l
RT: 9.149 min Scan# 1202
Delta R.T. -0.170 min
Lab File: VY014318.D
Acq: 21 Jun 2023 05:57

Tgt Ion: 88	Resp: 21
Ion Ratio	Lower Upper
88 100	
43 0.0	0.0 0.0
58 0.0	30.9 46.3#

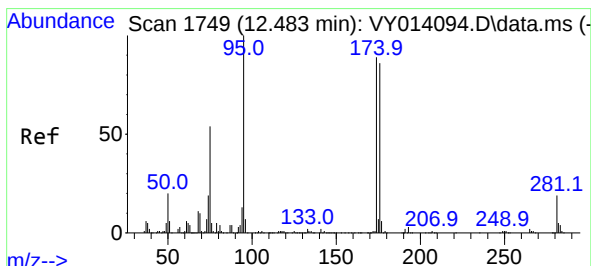
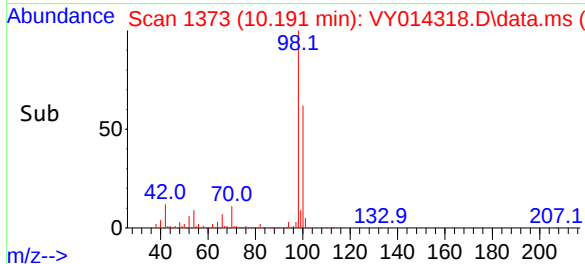
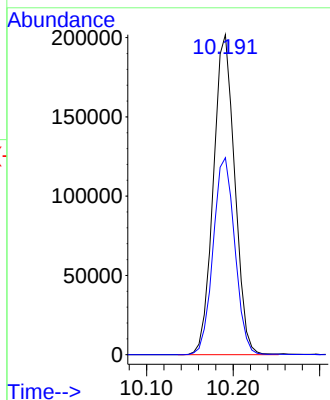
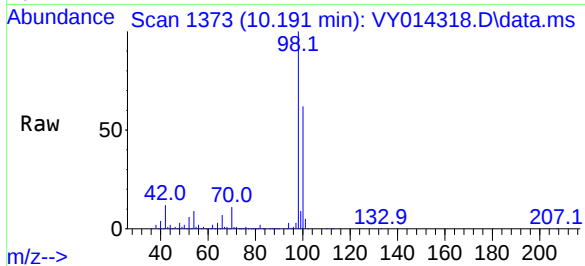




#50
Toluene-d8
Concen: 45.608 ug/l
RT: 10.191 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY014318.D
Acq: 21 Jun 2023 05:57

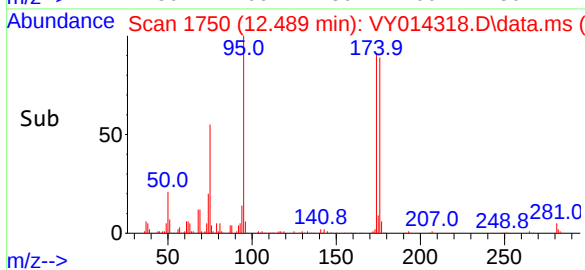
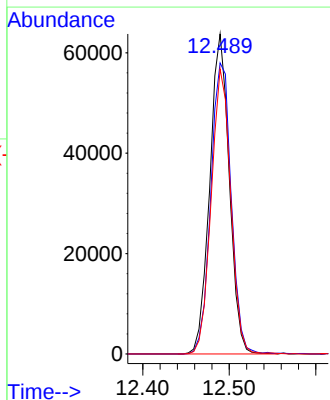
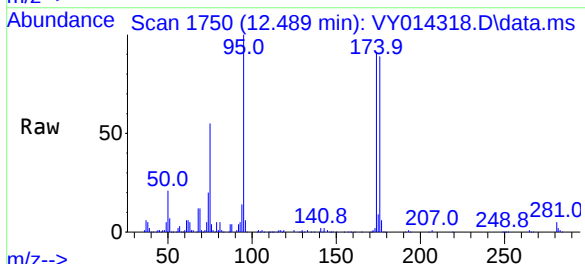
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TOTAL-VOC-SW03-0-8-GRAB-7

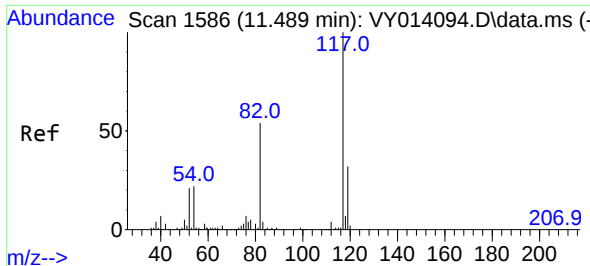
Tgt Ion: 98 Resp: 345319
Ion Ratio Lower Upper
98 100
100 62.6 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 37.046 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY014318.D
Acq: 21 Jun 2023 05:57

Tgt Ion: 95 Resp: 99641
Ion Ratio Lower Upper
95 100
174 95.3 0.0 178.2
176 89.1 0.0 173.8

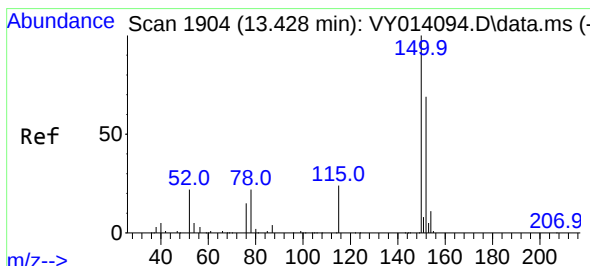
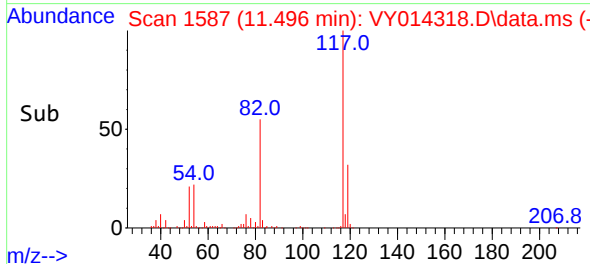
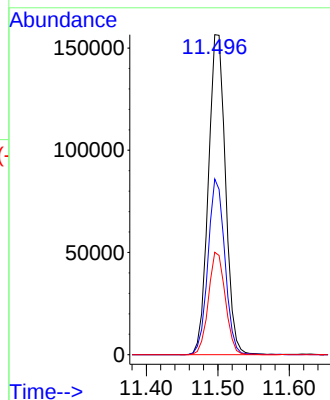
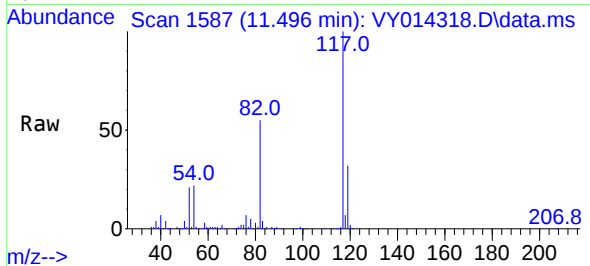




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY014318.D
Acq: 21 Jun 2023 05:57

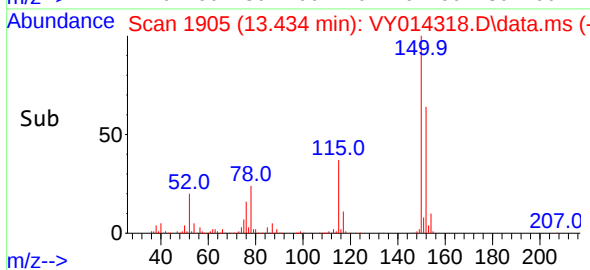
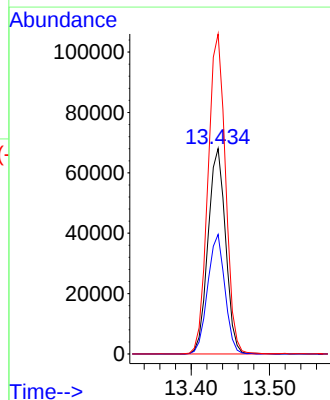
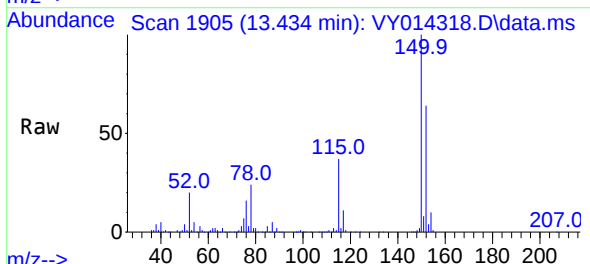
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW03-0-8-GRAB-7

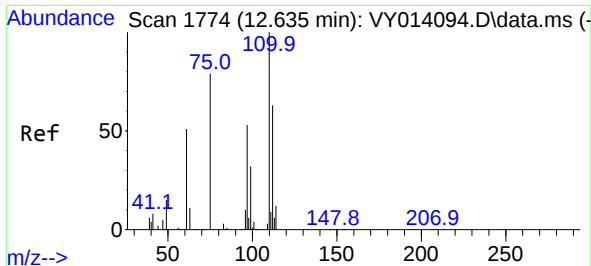
Tgt Ion:117 Resp: 260632
Ion Ratio Lower Upper
117 100
82 54.9 43.4 65.0
119 32.0 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VY014318.D
Acq: 21 Jun 2023 05:57

Tgt Ion:152 Resp: 105648
Ion Ratio Lower Upper
152 100
115 57.2 28.8 86.5
150 156.0 0.0 348.8

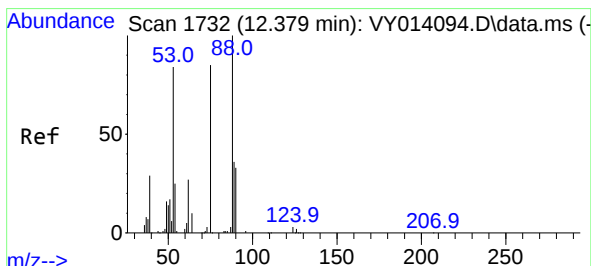
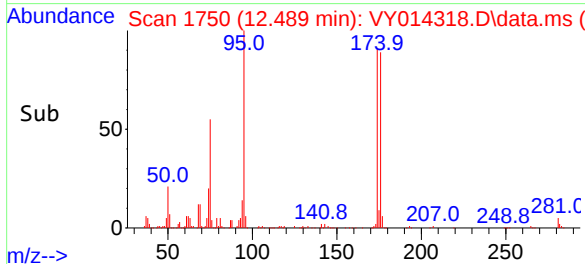
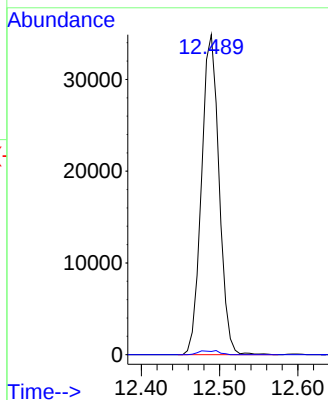
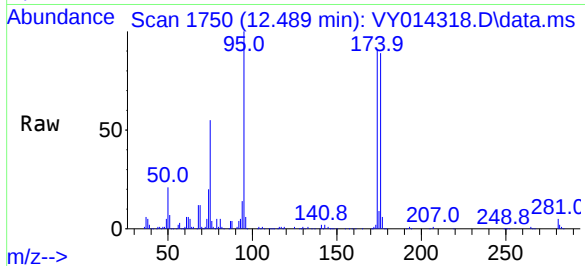




#76
1,2,3-Trichloropropane
Concen: 39.150 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY014318.D
Acq: 21 Jun 2023 05:57

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW03-0-8-GRAB-7

Tgt Ion: 75 Resp: 54265
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.627 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY014318.D
Acq: 21 Jun 2023 05:57

Tgt Ion: 75 Resp: 54265
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.1 37.4 56.0#

