

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
 Data File : VY014260.D
 Acq On : 20 Jun 2023 05:02
 Operator : KP/MD
 Sample : 03327-24
 Misc : 13.91g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-14-GRAB-7

Quant Time: Jun 20 05:49:10 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)

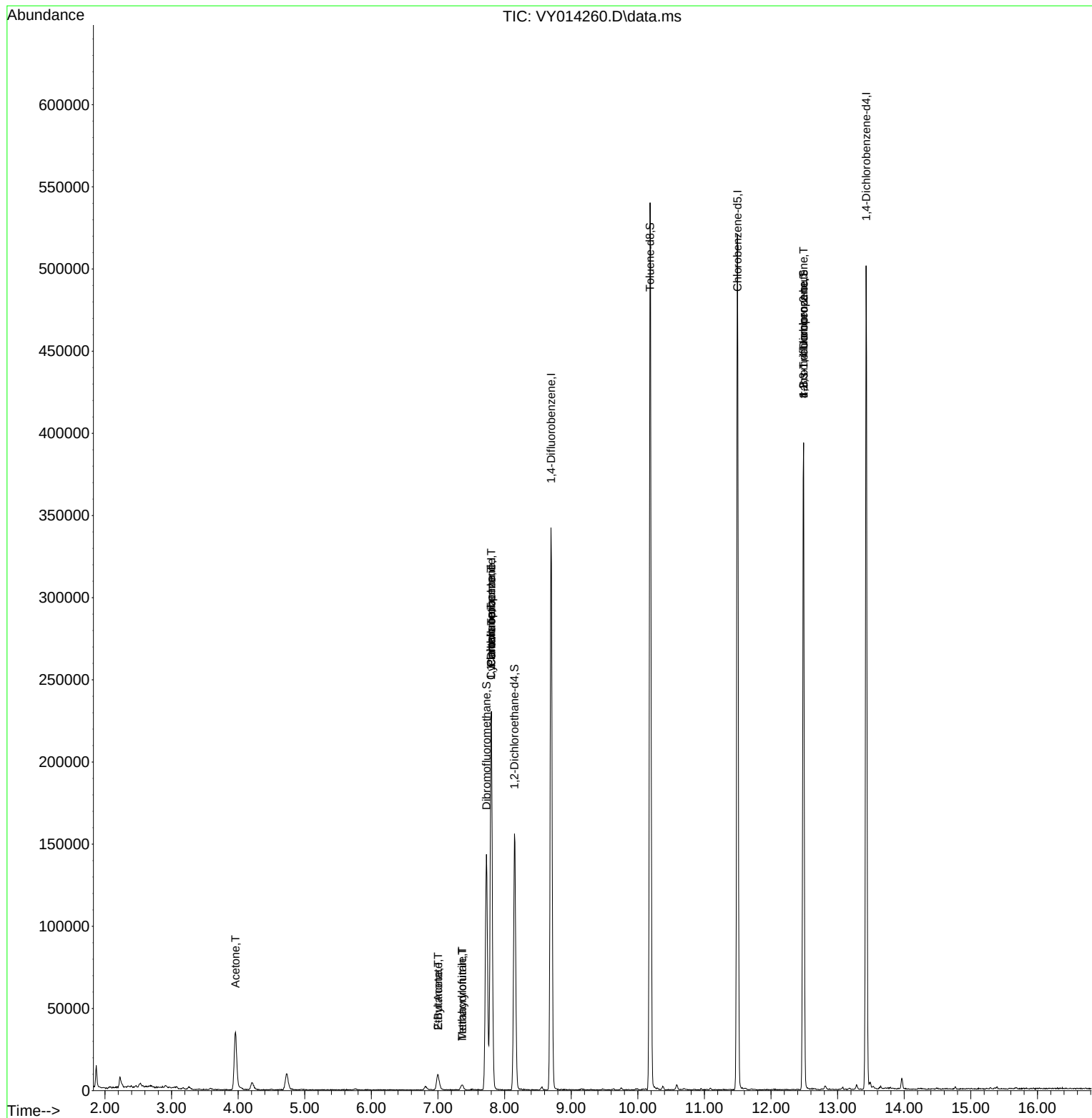
Internal Standards						
1) Pentafluorobenzene	7.801	168	176638	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	285067	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	268690	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	128274	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	130215	52.939	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.880%	
35) Dibromofluoromethane	7.728	113	95096	47.039	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 94.080%	
50) Toluene-d8	10.185	98	343045	45.388	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 90.780%	
62) 4-Bromofluorobenzene	12.489	95	110302	41.083	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.160%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.979	59	528	Below Cal	#	89
16) Acetone	3.960	43	62080	83.730	ug/l	98
20) Methylene Chloride	4.722	84	7387	Below Cal		91
25) 2-Butanone	7.003	43	14786	16.201	ug/l	91
29) Tetrahydrofuran	7.362	42	2595	4.484	ug/l	94
31) Cyclohexane	7.795	56	4406	1.337	ug/l	# 26
36) 1,1-Dichloropropene	7.795	75	13309	4.223	ug/l	# 50
37) Ethyl Acetate	7.003	43	14786	6.799	ug/l	# 72
38) Carbon Tetrachloride	7.801	117	17805	4.895	ug/l	# 16
41) Methacrylonitrile	7.362	41	1613	1.453	ug/l	# 45
76) 1,2,3-Trichloropropane	12.489	75	61100	36.306	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.489	75	61100	78.479	ug/l	# 11

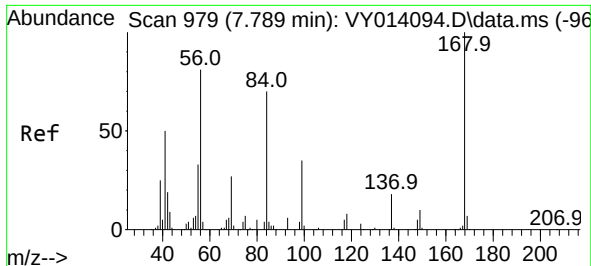
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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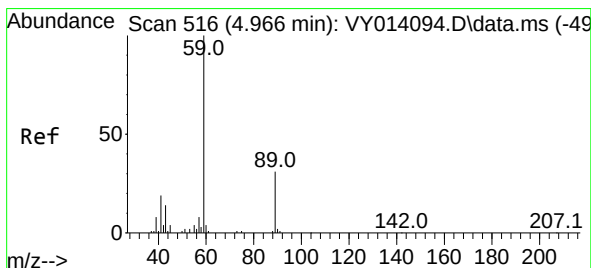
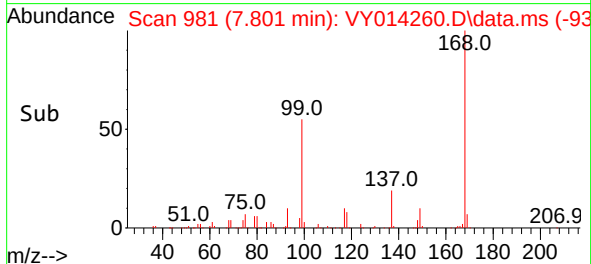
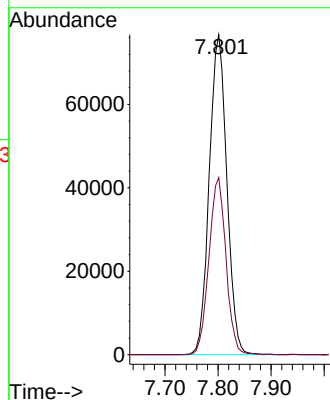
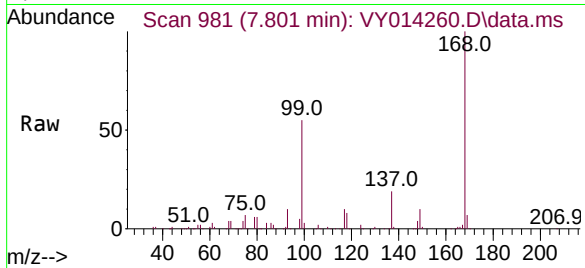




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014260.D
Acq: 20 Jun 2023 05:02

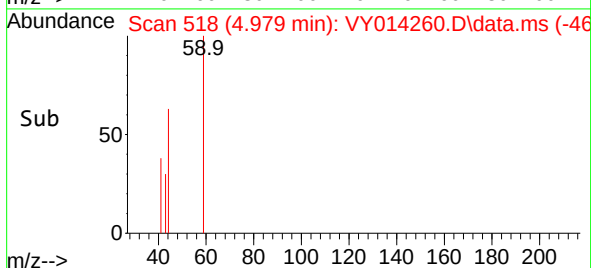
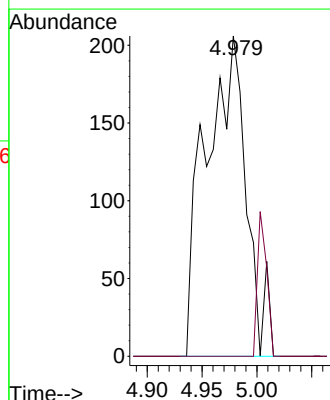
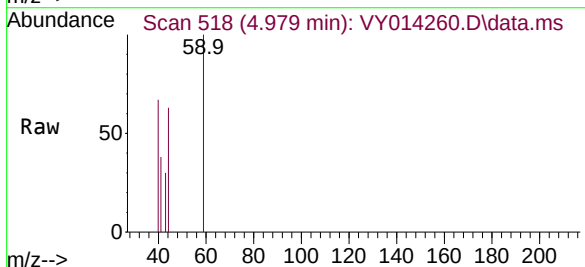
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-14-GRAB-7

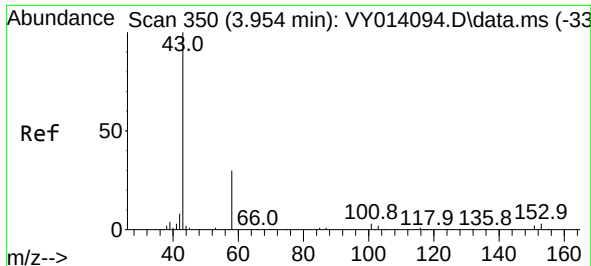
Tgt Ion:168 Resp: 176638
Ion Ratio Lower Upper
168 100
99 55.4 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.979 min Scan# 518
Delta R.T. 0.013 min
Lab File: VY014260.D
Acq: 20 Jun 2023 05:02

Tgt Ion: 59 Resp: 528
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

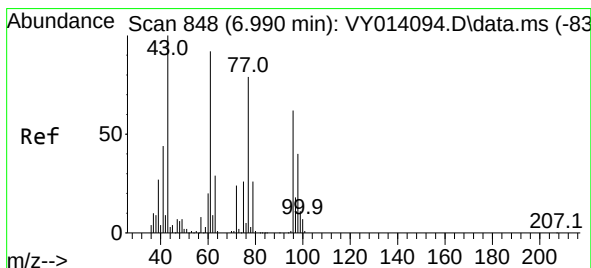
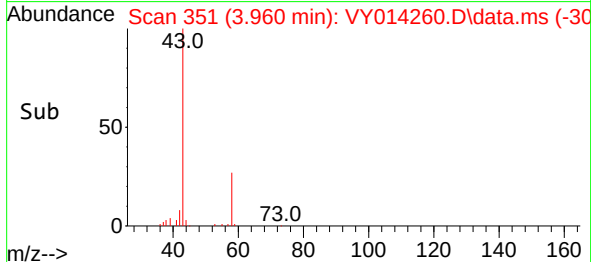
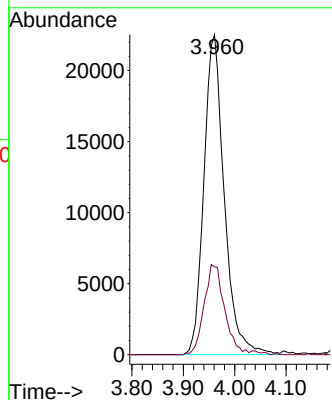
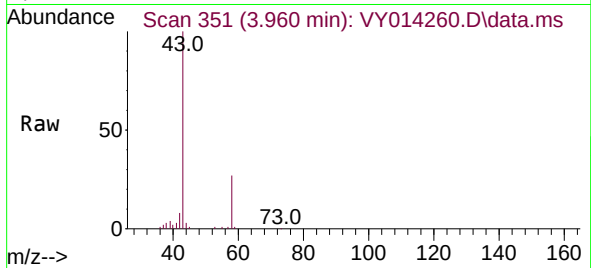




#16
Acetone
Concen: 83.730 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY014260.D
Acq: 20 Jun 2023 05:02

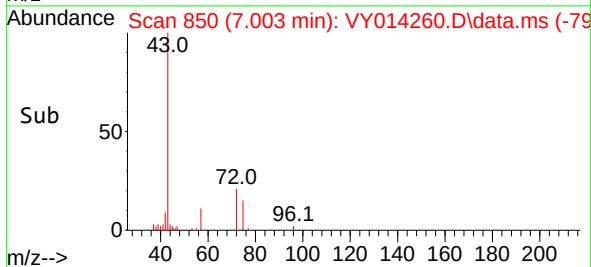
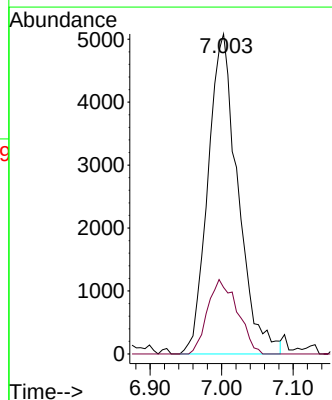
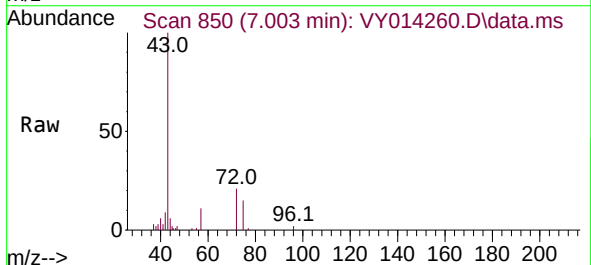
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-14-GRAB-7

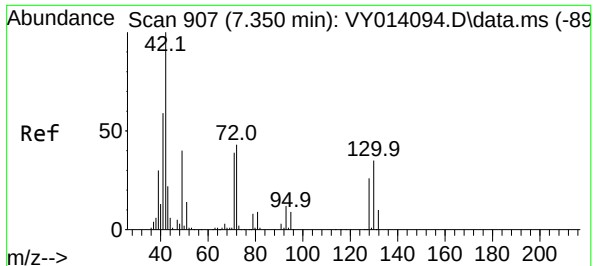
Tgt Ion: 43 Resp: 62080
Ion Ratio Lower Upper
43 100
58 27.5 22.7 34.1



#25
2-Butanone
Concen: 16.201 ug/l
RT: 7.003 min Scan# 850
Delta R.T. 0.013 min
Lab File: VY014260.D
Acq: 20 Jun 2023 05:02

Tgt Ion: 43 Resp: 14786
Ion Ratio Lower Upper
43 100
72 20.8 20.5 30.7





#29

Tetrahydrofuran

Concen: 4.484 ug/l

RT: 7.362 min Scan# 90

Delta R.T. 0.012 min

Lab File: VY014260.D

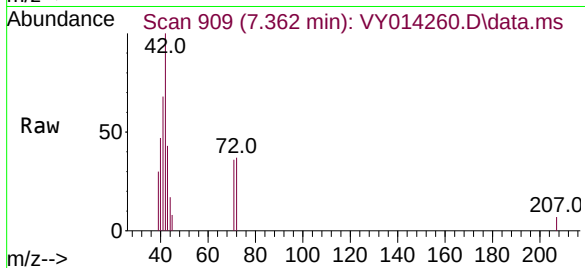
Acq: 20 Jun 2023 05:02

Instrument :

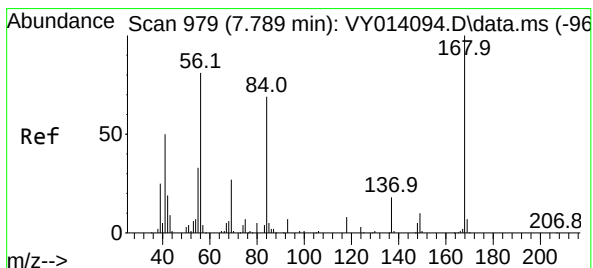
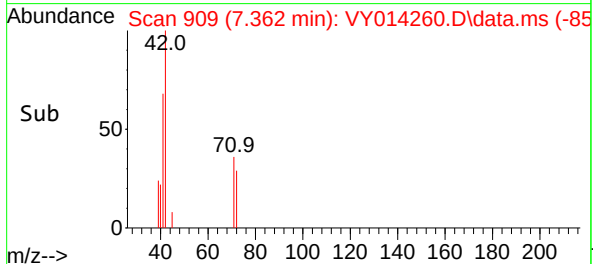
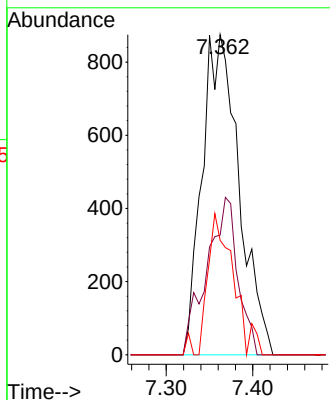
MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-14-GRAB-7



Tgt Ion:	42	Resp:	2595
Ion	Ratio	Lower	Upper
42	100		
72	41.3	32.8	49.2
71	31.1	31.0	46.4



#31

Cyclohexane

Concen: 1.337 ug/l

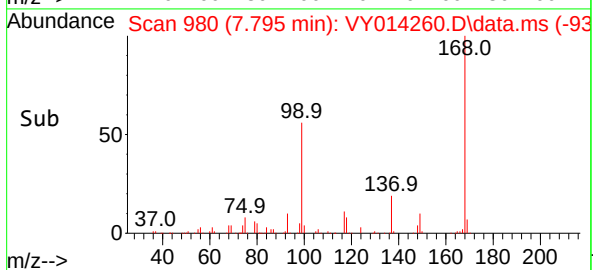
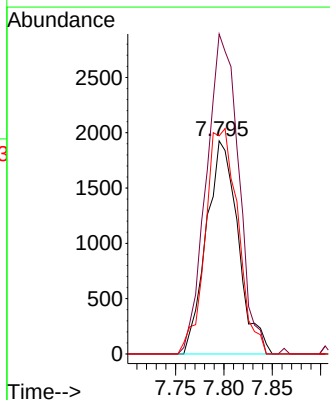
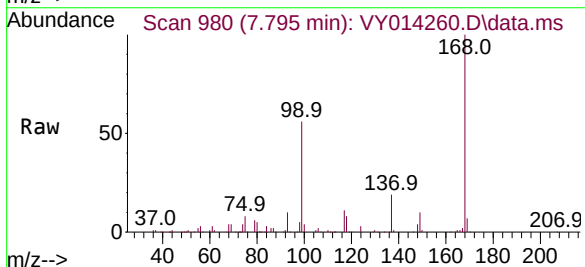
RT: 7.795 min Scan# 980

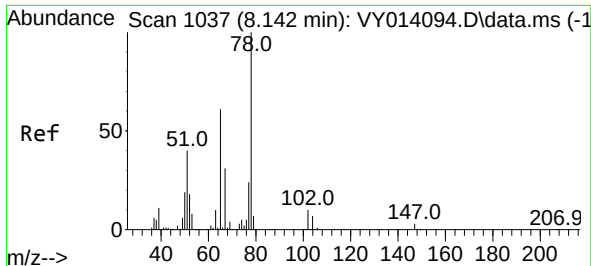
Delta R.T. 0.006 min

Lab File: VY014260.D

Acq: 20 Jun 2023 05:02

Tgt Ion:	56	Resp:	4406
Ion	Ratio	Lower	Upper
56	100		
69	150.2	27.8	41.6#
84	102.3	66.4	99.6#





#33

1,2-Dichloroethane-d4

Concen: 52.939 ug/l

RT: 8.149 min Scan# 110

Delta R.T. 0.007 min

Lab File: VY014260.D

Acq: 20 Jun 2023 05:02

Instrument :

MSVOA_Y

ClientSampleId :

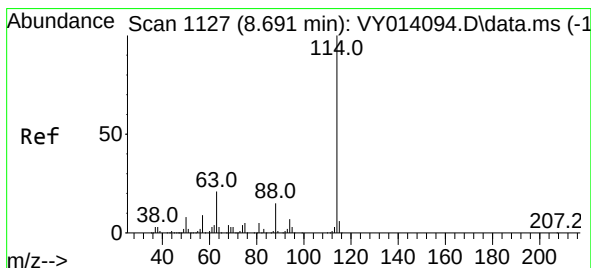
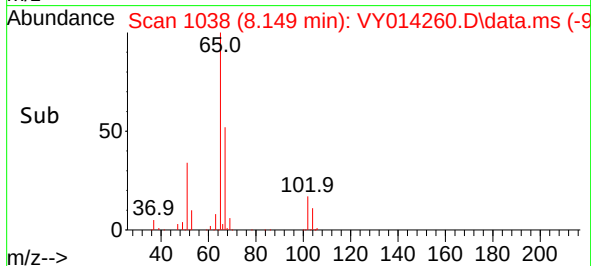
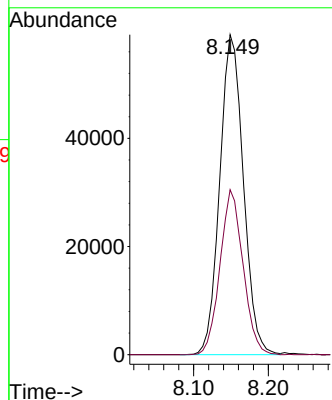
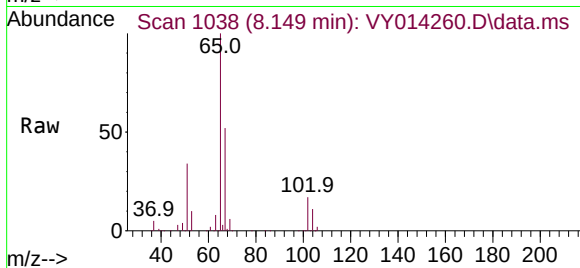
TOTAL-VOC-SB-14-GRAB-7

Tgt Ion: 65 Resp: 130215

Ion Ratio Lower Upper

65 100

67 50.2 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY014260.D

Acq: 20 Jun 2023 05:02

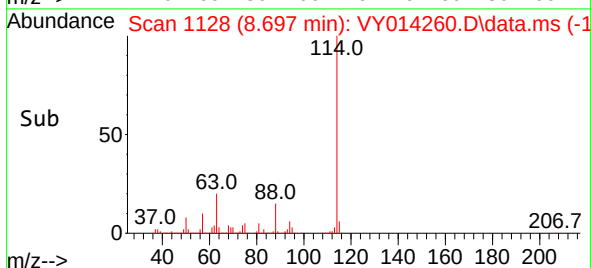
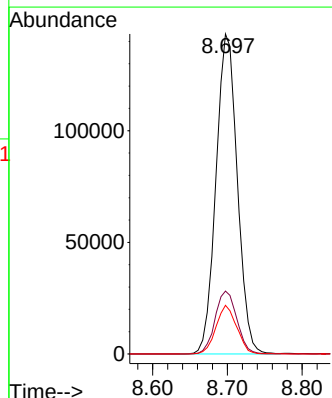
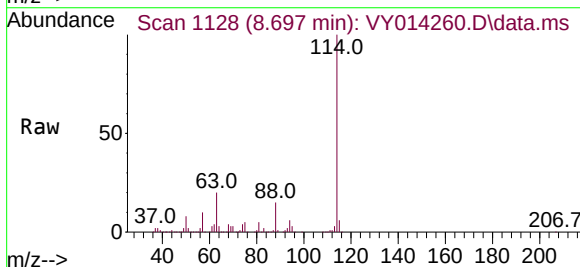
Tgt Ion:114 Resp: 285067

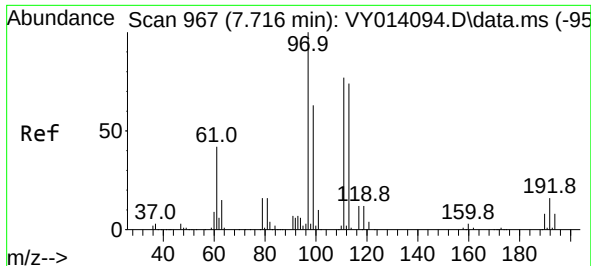
Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.4

88 15.2 0.0 30.6

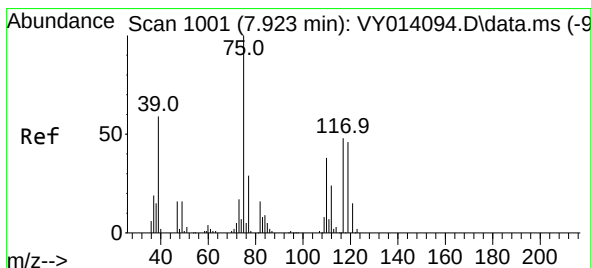
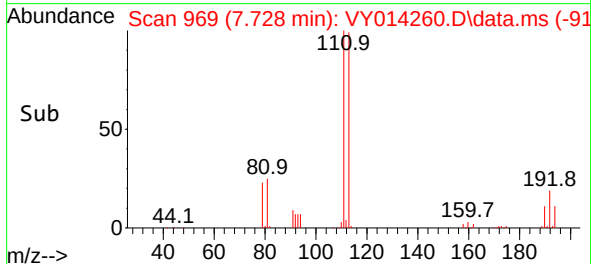
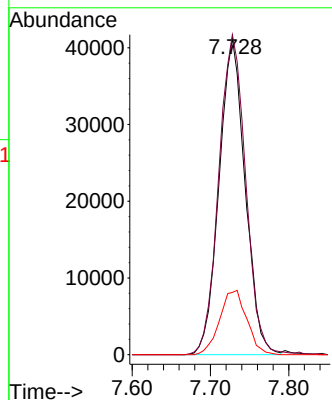
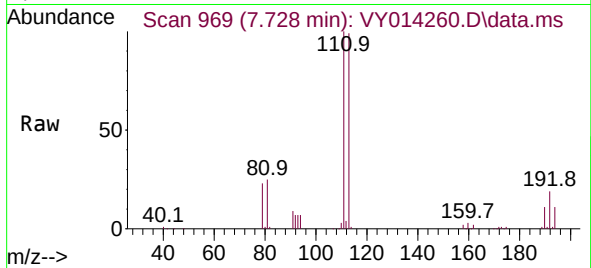




#35
Dibromofluoromethane
Concen: 47.039 ug/l
RT: 7.728 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014260.D
Acq: 20 Jun 2023 05:02

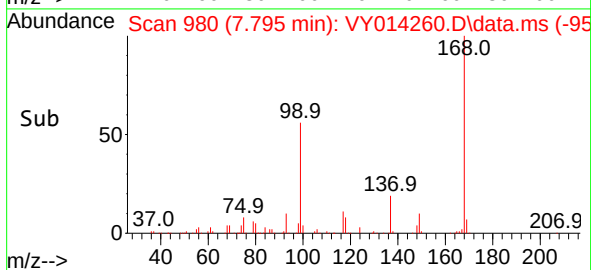
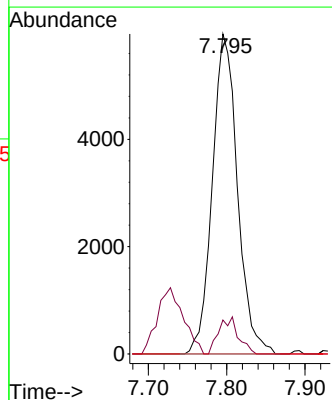
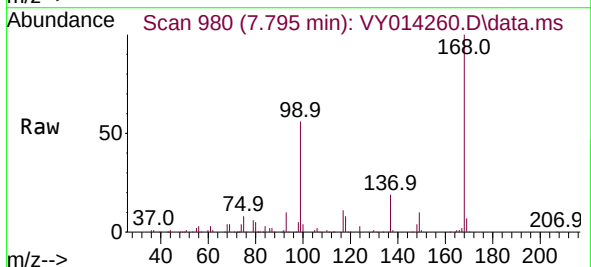
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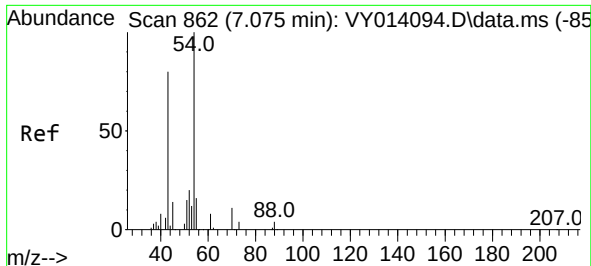
Tgt Ion:113 Resp: 95096
Ion Ratio Lower Upper
113 100
111 104.9 81.3 121.9
192 21.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.223 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY014260.D
Acq: 20 Jun 2023 05:02

Tgt Ion: 75 Resp: 13309
Ion Ratio Lower Upper
75 100
110 9.0 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 6.799 ug/l

RT: 7.003 min Scan# 81

Delta R.T. -0.072 min

Lab File: VY014260.D

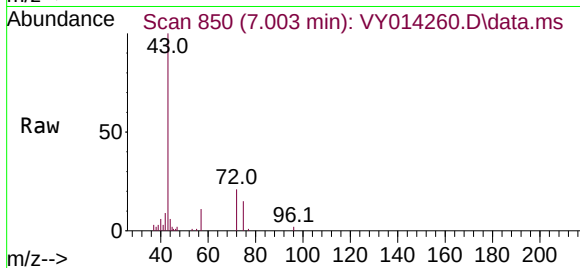
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Instrument :

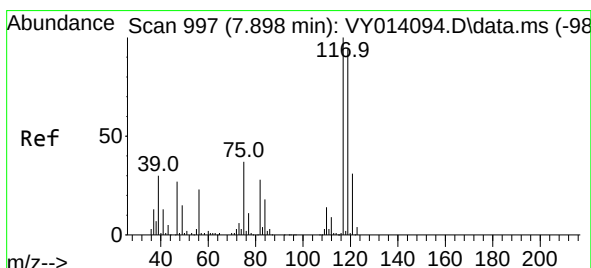
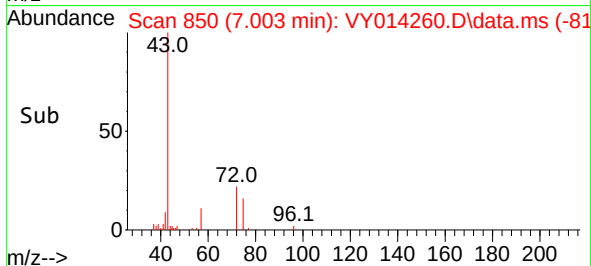
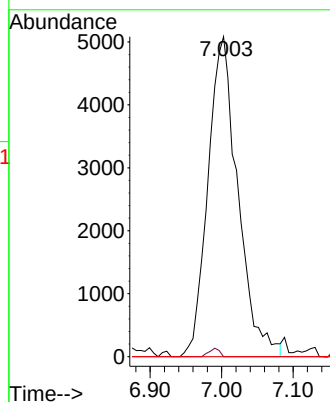
MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-14-GRAB-7



Tgt Ion:	43	Resp:	14786
Ion	Ratio	Lower	Upper
43	100		
61	0.9	10.1	15.1#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 4.895 ug/l

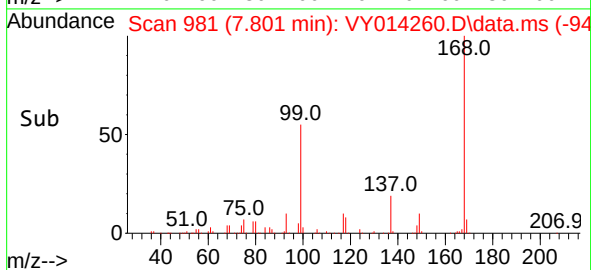
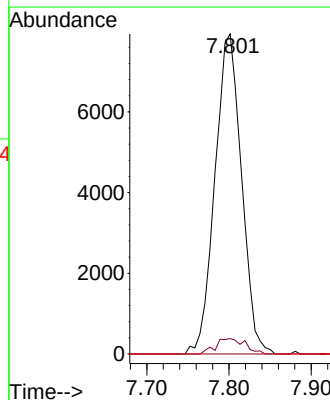
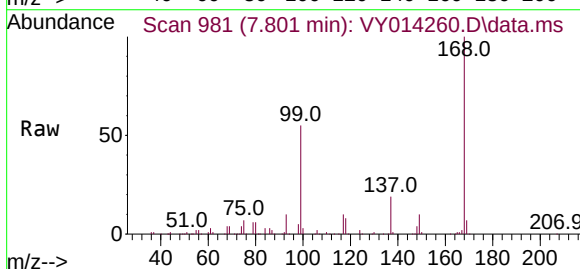
RT: 7.801 min Scan# 981

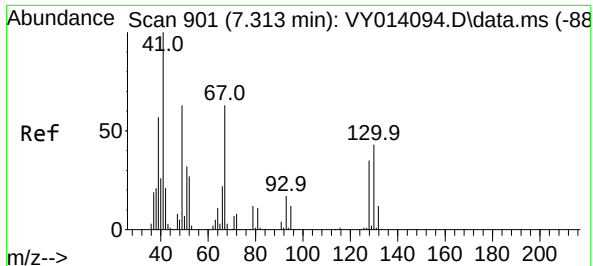
Delta R.T. -0.097 min

Lab File: VY014260.D

Acq: 20 Jun 2023 05:02

Tgt Ion:	117	Resp:	17805
Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.4	114.6#
121	0.0	25.8	38.6#

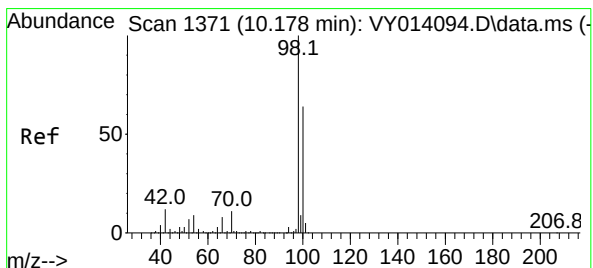
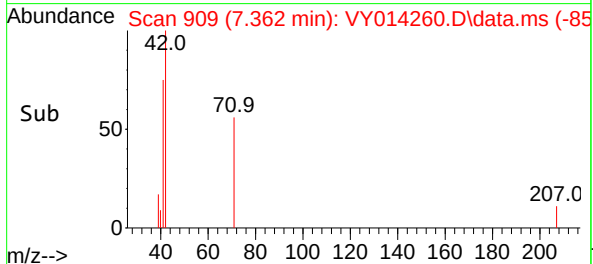
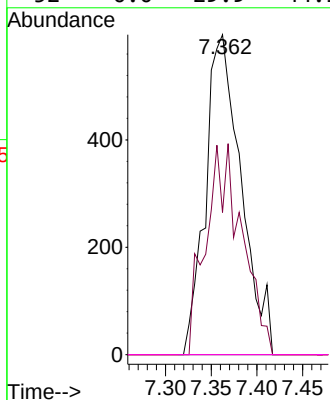
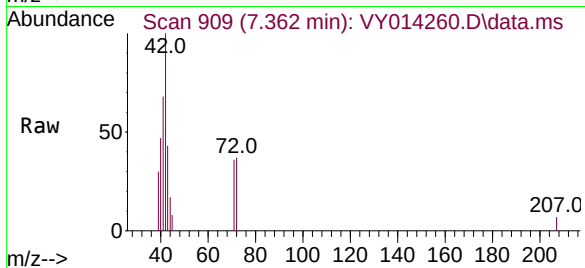




#41
Methacrylonitrile
Concen: 1.453 ug/l
RT: 7.362 min Scan# 901
Delta R.T. 0.049 min
Lab File: VY014260.D
Acq: 20 Jun 2023 05:02

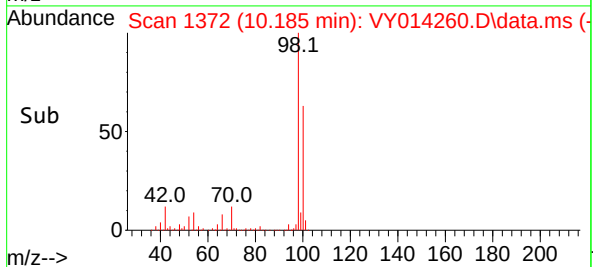
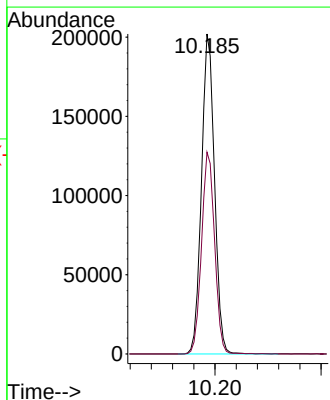
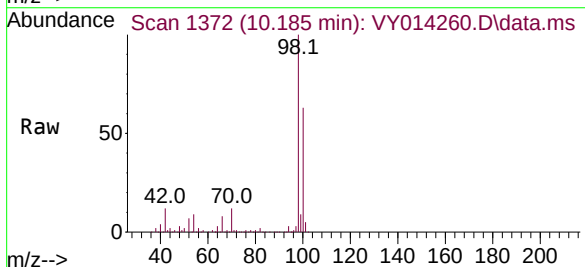
Instrument :
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TOTAL-VOC-SB-14-GRAB-7

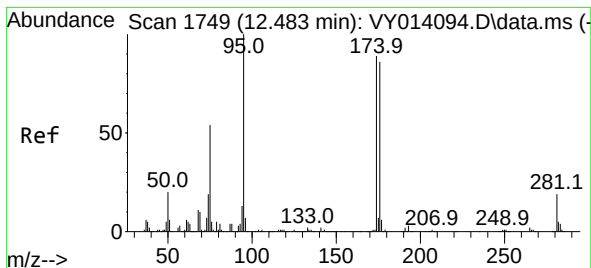
Tgt Ion: 41	Resp: 1613
Ion Ratio	Lower Upper
41 100	
39 67.0	52.1 78.1
67 0.0	66.2 99.2#
52 0.0	29.9 44.9#



#50
Toluene-d8
Concen: 45.388 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.007 min
Lab File: VY014260.D
Acq: 20 Jun 2023 05:02

Tgt Ion: 98	Resp: 343045
Ion Ratio	Lower Upper
98 100	
100 63.5	50.1 75.1





#62

4-Bromofluorobenzene

Concen: 41.083 ug/l

RT: 12.489 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY014260.D

Acq: 20 Jun 2023 05:02

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-14-GRAB-7

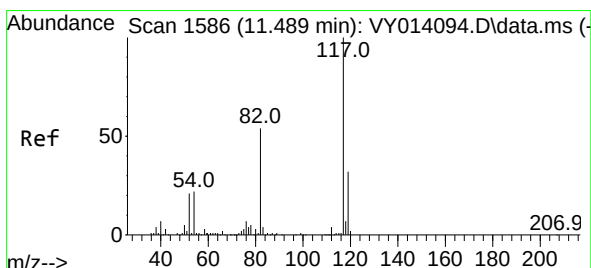
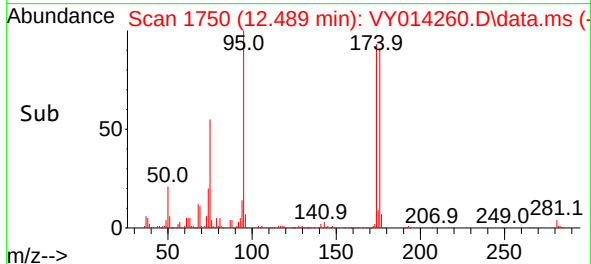
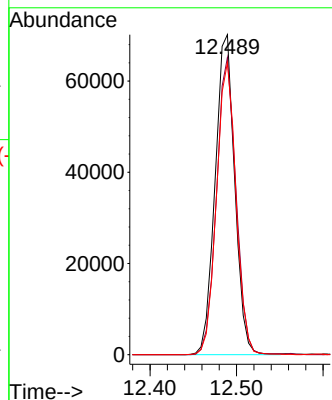
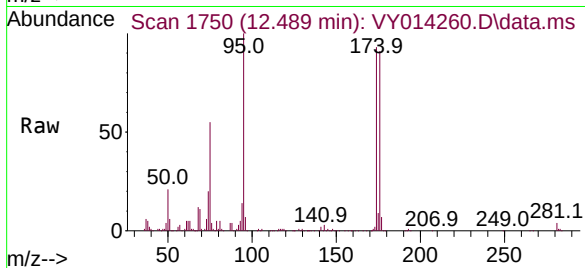
Tgt Ion: 95 Resp: 110302

Ion Ratio Lower Upper

95 100

174 92.0 0.0 178.2

176 90.6 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: VY014260.D

Acq: 20 Jun 2023 05:02

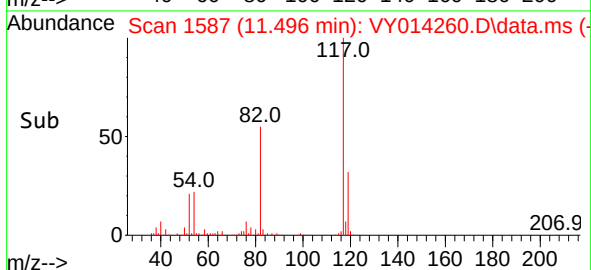
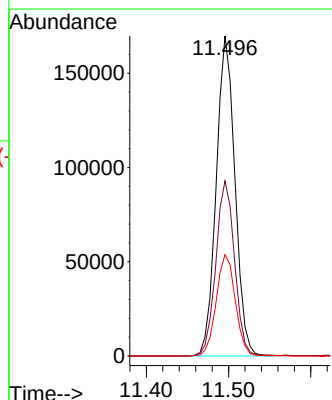
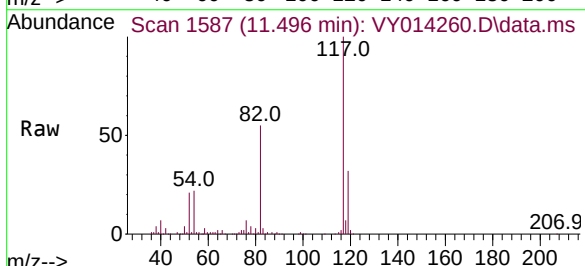
Tgt Ion: 117 Resp: 268690

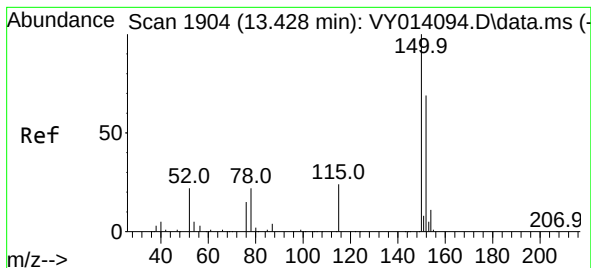
Ion Ratio Lower Upper

117 100

82 54.7 43.4 65.0

119 31.6 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY014260.D

Acq: 20 Jun 2023 05:02

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-14-GRAB-7

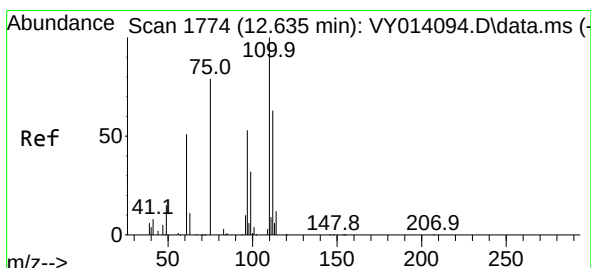
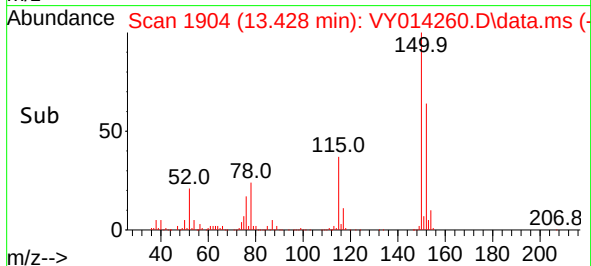
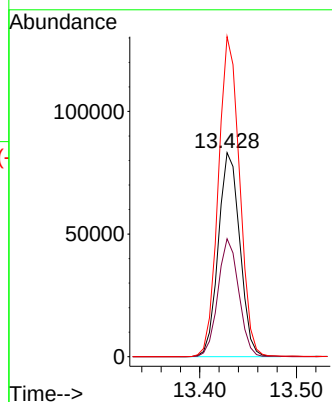
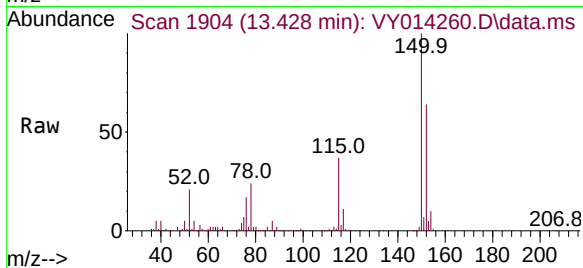
Tgt Ion:152 Resp: 128274

Ion Ratio Lower Upper

152 100

115 55.9 28.8 86.5

150 155.2 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 36.306 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.146 min

Lab File: VY014260.D

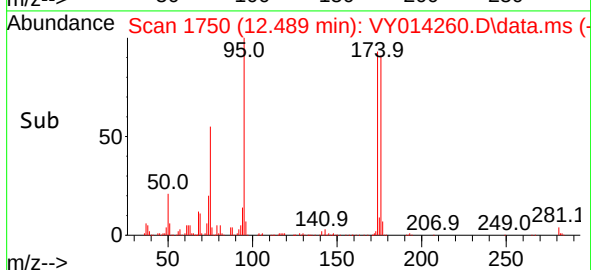
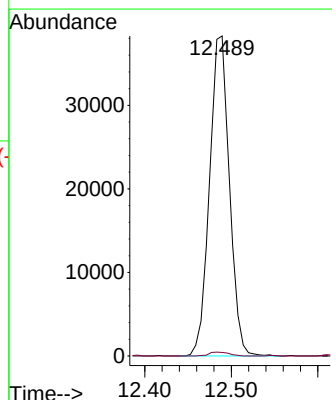
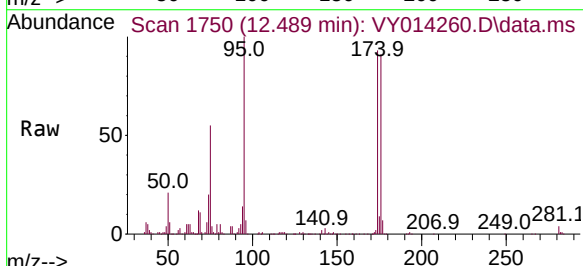
Acq: 20 Jun 2023 05:02

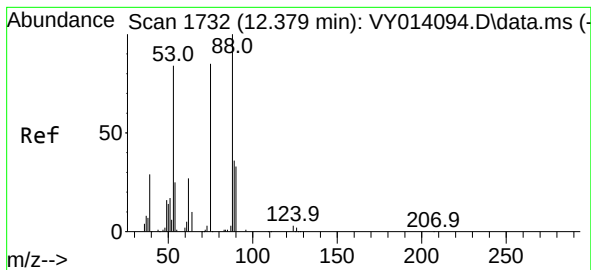
Tgt Ion: 75 Resp: 61100

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.479 ug/l
 RT: 12.489 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY014260.D
 Acq: 20 Jun 2023 05:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-14-GRAB-7

Tgt Ion: 75 Resp: 61100
 Ion Ratio Lower Upper
 75 100
 53 0.3 77.8 116.8#
 89 0.0 37.4 56.0#

