

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042823\
 Data File : VY013524.D
 Acq On : 28 Apr 2023 14:30
 Operator : KP/MD
 Sample : 02503-17
 Misc : 5.32g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-305A-VOC-03

Quant Time: Apr 28 23:13:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	210416	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	359825	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	350551	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	162109	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	155147	67.261	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 134.520%	
35) Dibromofluoromethane	7.716	113	126372	55.839	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.680%	
50) Toluene-d8	10.179	98	438252	54.435	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.880%	
62) 4-Bromofluorobenzene	12.483	95	142346	52.446	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.900%	
Target Compounds						
					Qvalue	
13) Acrolein	3.735	56	48	Below Cal	#	16
20) Methylene Chloride	4.710	84	10694	Below Cal		99
31) Cyclohexane	7.789	56	4757	1.152	ug/l #	13
36) 1,1-Dichloropropene	7.783	75	16328	4.347	ug/l #	50
38) Carbon Tetrachloride	7.789	117	20988	5.331	ug/l #	14
49) 1,4-Dioxane	9.069	88	39	1.650	ug/l #	25
76) 1,2,3-Trichloropropane	12.483	75	76767	35.114	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	76767	71.827	ug/l #	13

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

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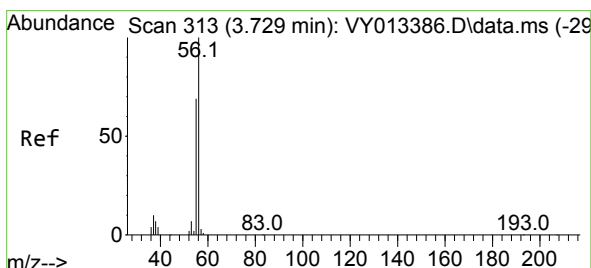
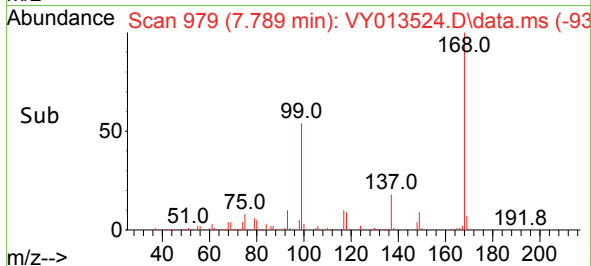
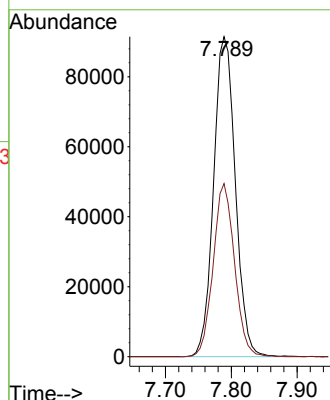
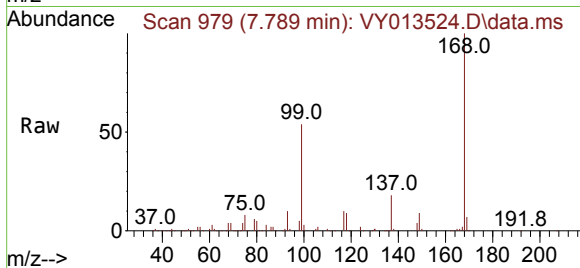




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013524.D
Acq: 28 Apr 2023 14:30

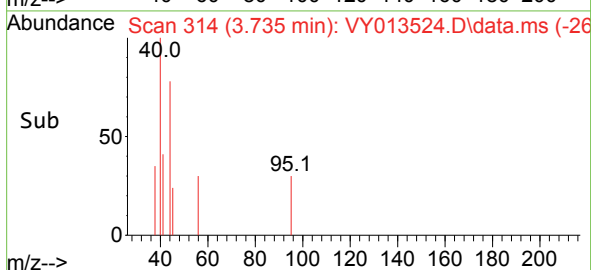
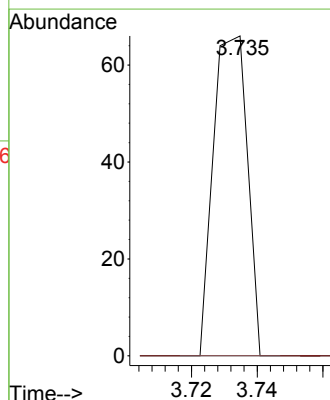
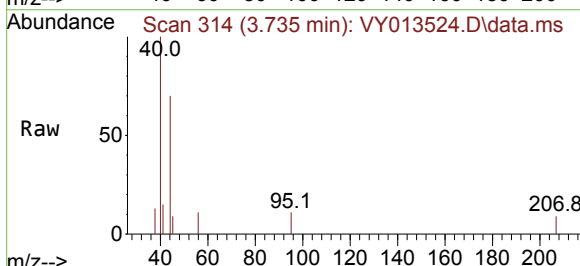
Instrument :
MSVOA_Y
ClientSampleId :
TR-305A-VOC-03

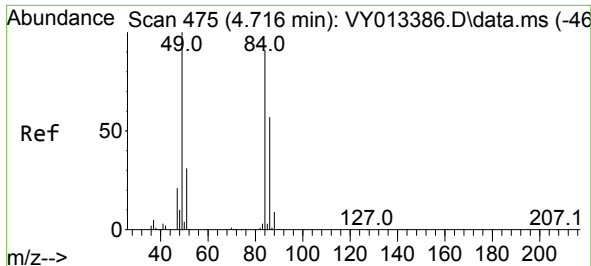
Tgt Ion:168 Resp: 210416
Ion Ratio Lower Upper
168 100
99 54.1 41.8 62.6



#13
Acrolein
Concen: Below Cal
RT: 3.735 min Scan# 314
Delta R.T. 0.006 min
Lab File: VY013524.D
Acq: 28 Apr 2023 14:30

Tgt Ion: 56 Resp: 48
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#

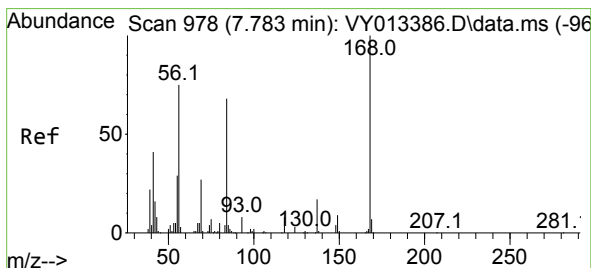
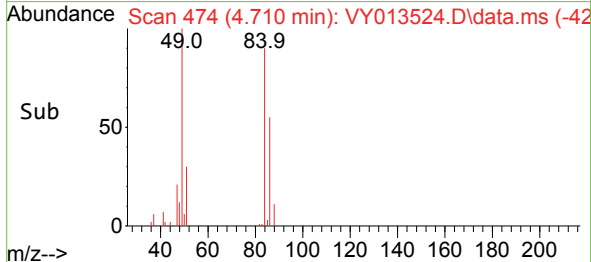
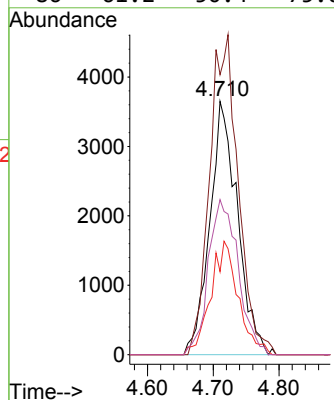
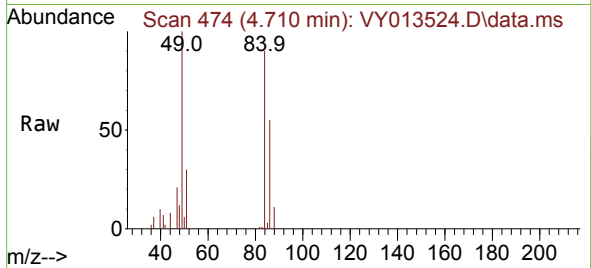




#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013524.D
Acq: 28 Apr 2023 14:30

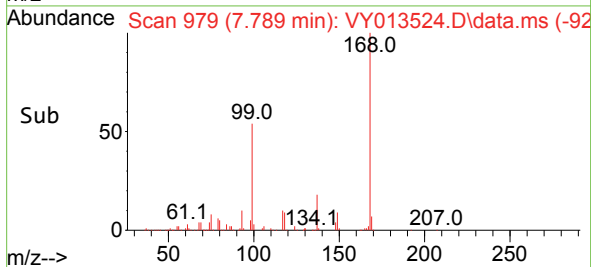
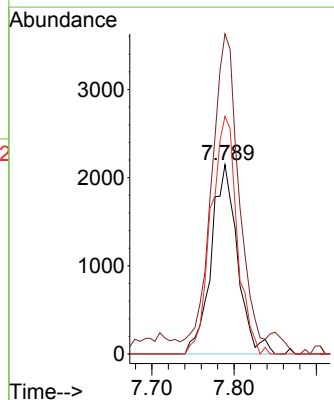
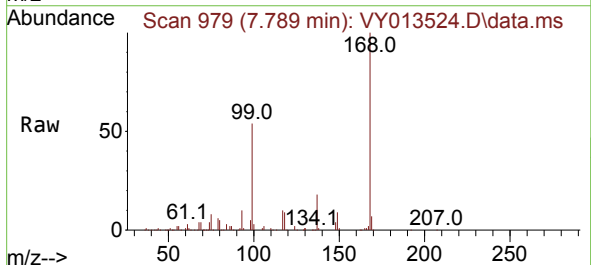
Instrument :
MSVOA_Y
ClientSampleId :
TR-305A-VOC-03

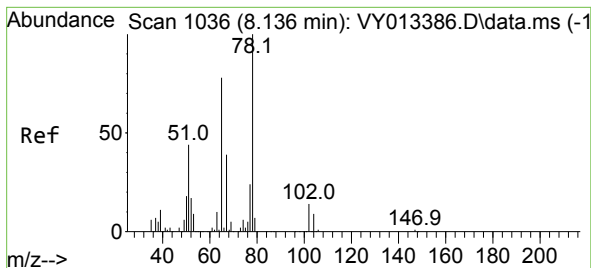
Tgt Ion:	84	Resp:	10694
Ion	Ratio	Lower	Upper
84	100		
49	110.6	88.0	132.0
51	32.8	27.4	41.0
86	61.2	50.4	75.6



#31
Cyclohexane
Concen: 1.152 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY013524.D
Acq: 28 Apr 2023 14:30

Tgt Ion:	56	Resp:	4757
Ion	Ratio	Lower	Upper
56	100		
69	162.7	29.2	43.8#
84	125.5	73.0	109.6#





#33

1,2-Dichloroethane-d4

Concen: 67.261 ug/l

RT: 8.143 min Scan# 1

Delta R.T. 0.007 min

Lab File: VY013524.D

Acq: 28 Apr 2023 14:30

Instrument :

MSVOA_Y

ClientSampleId :

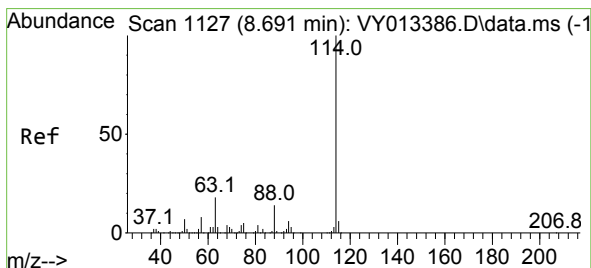
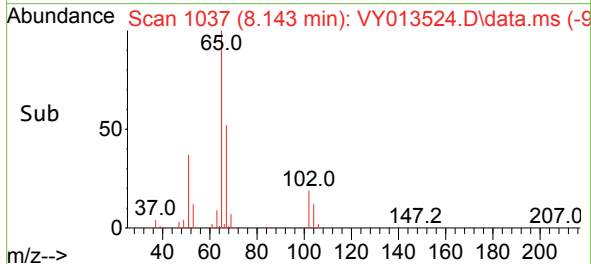
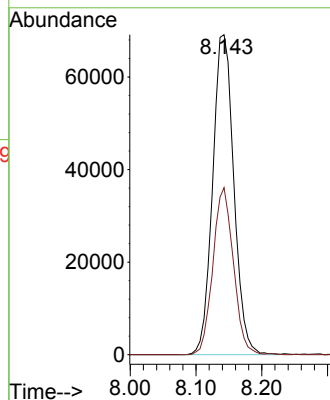
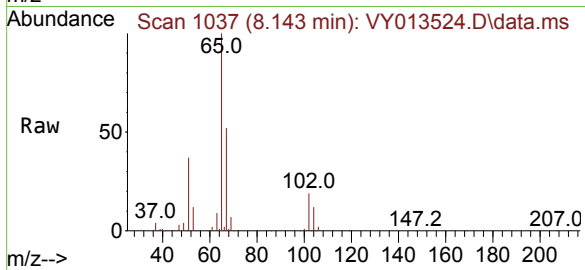
TR-305A-VOC-03

Tgt Ion: 65 Resp: 155147

Ion Ratio Lower Upper

65 100

67 50.4 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013524.D

Acq: 28 Apr 2023 14:30

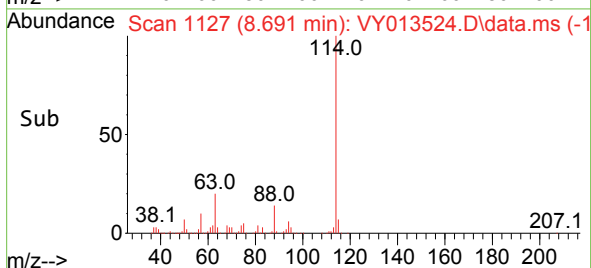
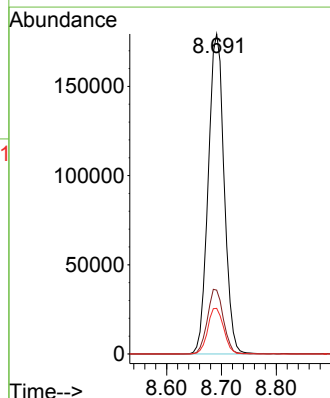
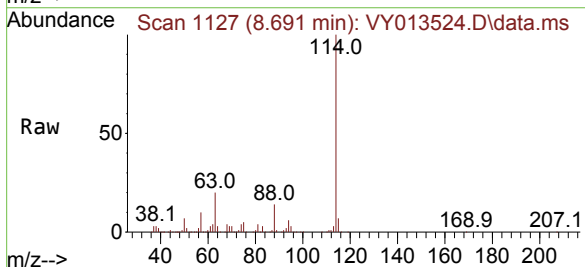
Tgt Ion: 114 Resp: 359825

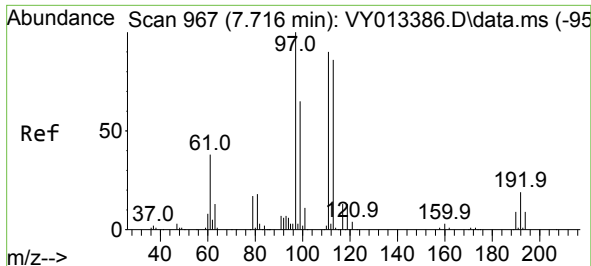
Ion Ratio Lower Upper

114 100

63 20.0 0.0 36.6

88 14.2 0.0 28.8

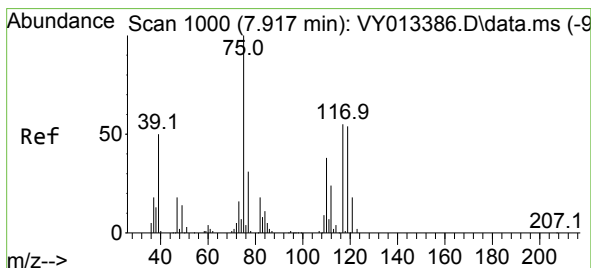
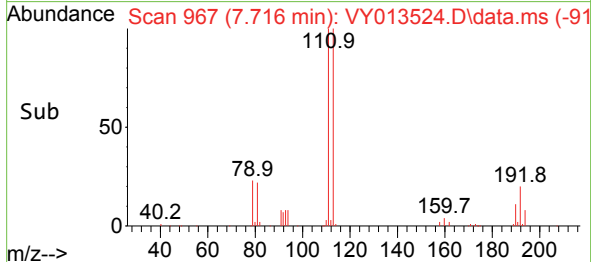
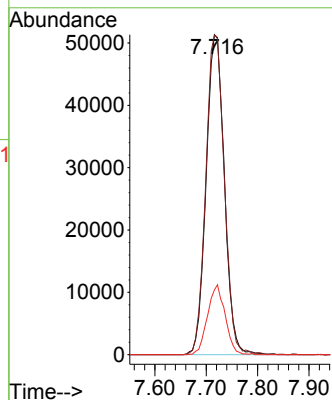
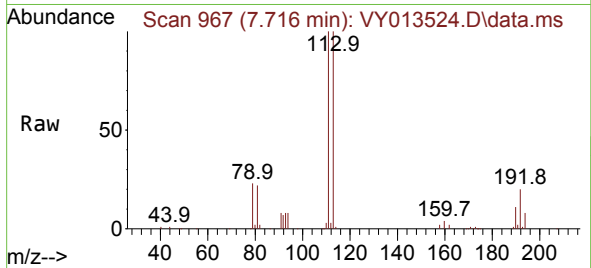




#35
Dibromofluoromethane
Concen: 55.839 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY013524.D
Acq: 28 Apr 2023 14:30

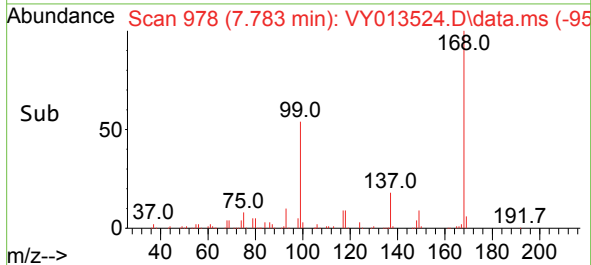
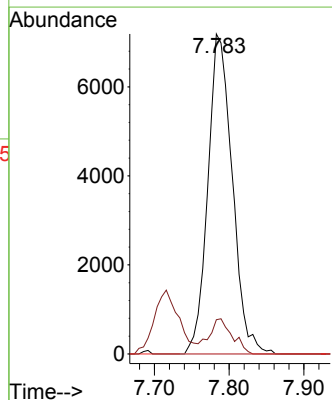
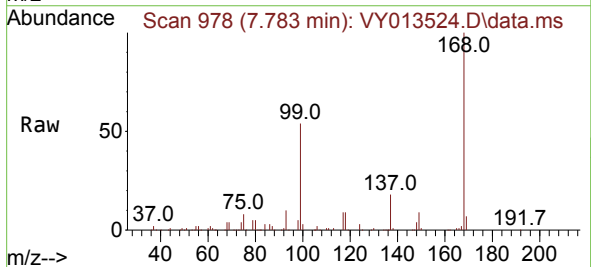
Instrument :
MSVOA_Y
ClientSampleId :
TR-305A-VOC-03

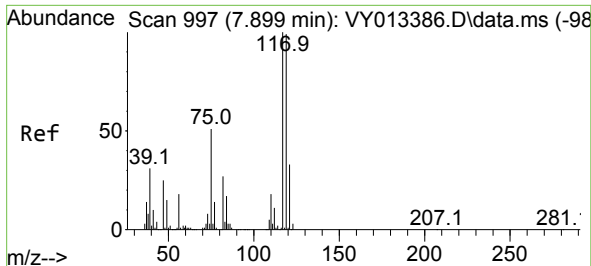
Tgt Ion:113 Resp: 126372
Ion Ratio Lower Upper
113 100
111 101.6 82.2 123.2
192 21.1 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.347 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY013524.D
Acq: 28 Apr 2023 14:30

Tgt Ion: 75 Resp: 16328
Ion Ratio Lower Upper
75 100
110 10.3 18.7 56.1#
77 0.0 24.6 37.0#

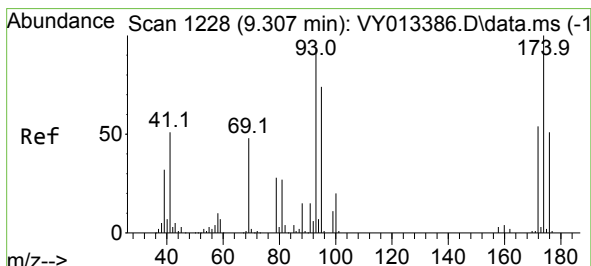
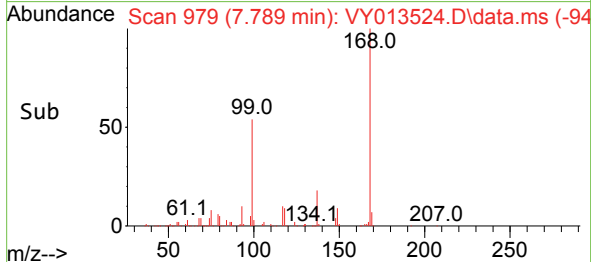
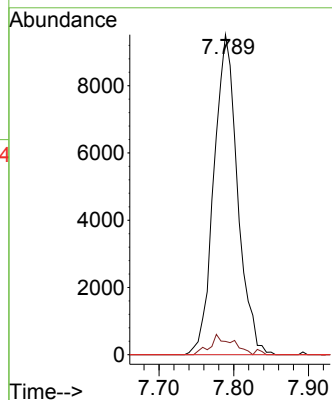
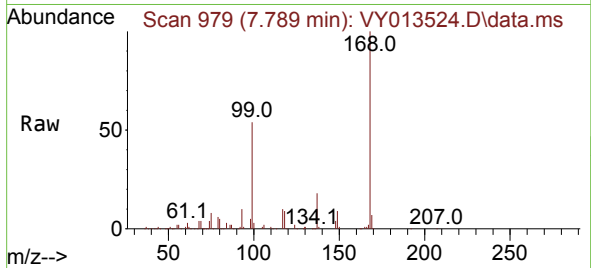




#38
Carbon Tetrachloride
Concen: 5.331 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013524.D
Acq: 28 Apr 2023 14:30

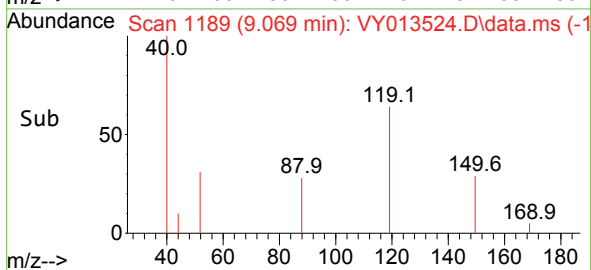
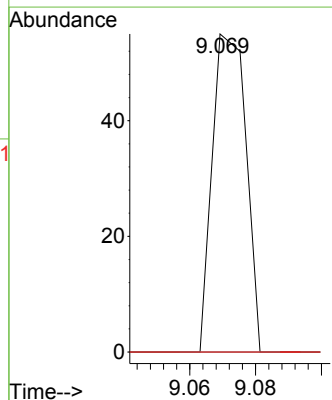
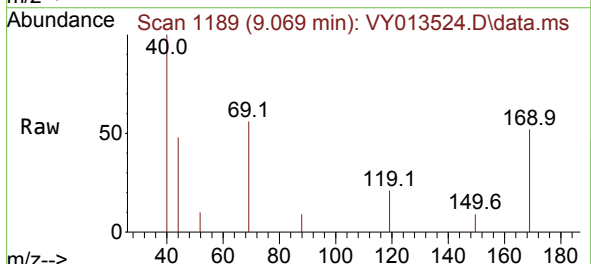
Instrument :
MSVOA_Y
ClientSampleId :
TR-305A-VOC-03

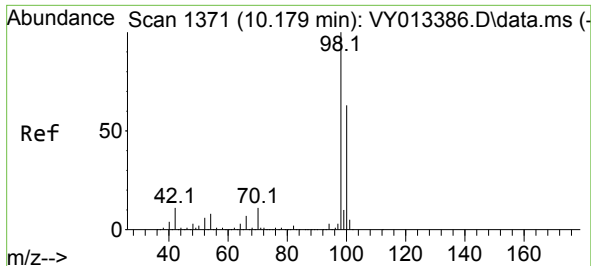
Tgt Ion:117 Resp: 20988
Ion Ratio Lower Upper
117 100
119 4.2 79.0 118.6#
121 0.0 26.6 40.0#



#49
1,4-Dioxane
Concen: 1.650 ug/l
RT: 9.069 min Scan# 1189
Delta R.T. -0.238 min
Lab File: VY013524.D
Acq: 28 Apr 2023 14:30

Tgt Ion: 88 Resp: 39
Ion Ratio Lower Upper
88 100
43 0.0 16.8 25.2#
58 0.0 54.3 81.5#

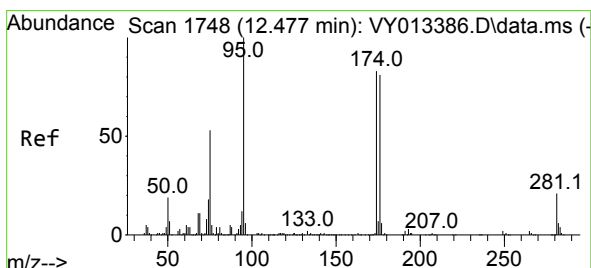
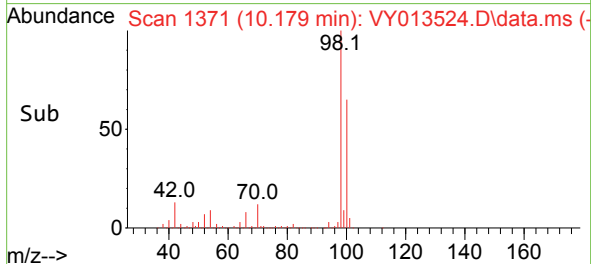
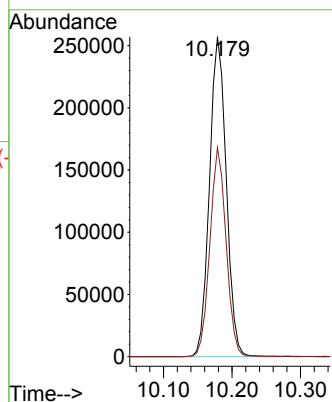
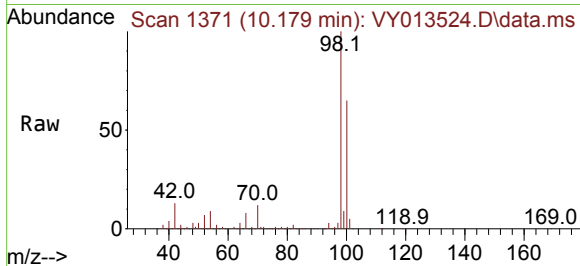




#50
Toluene-d8
Concen: 54.435 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013524.D
Acq: 28 Apr 2023 14:30

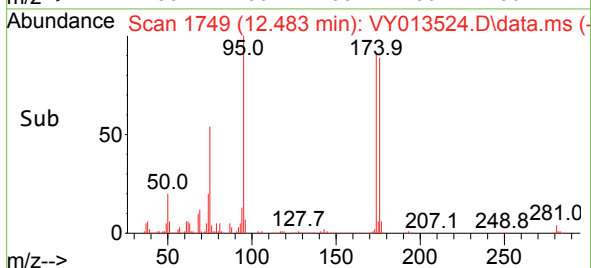
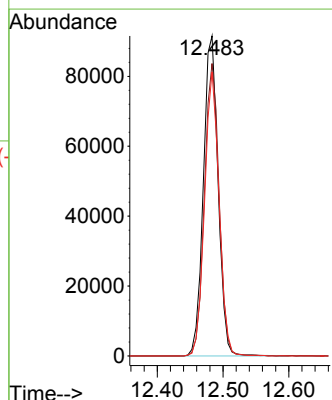
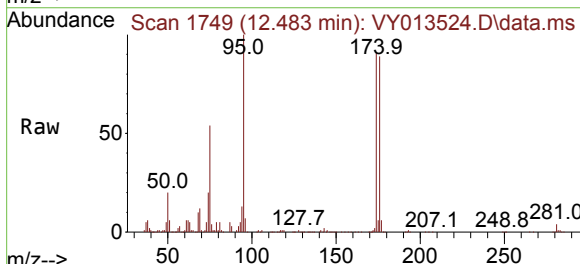
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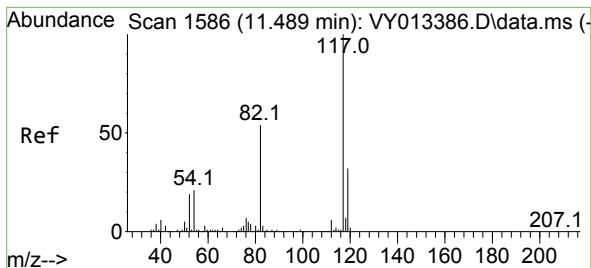
Tgt Ion: 98 Resp: 438252
Ion Ratio Lower Upper
98 100
100 63.3 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 52.446 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013524.D
Acq: 28 Apr 2023 14:30

Tgt Ion: 95 Resp: 142346
Ion Ratio Lower Upper
95 100
174 91.6 0.0 182.0
176 87.5 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013524.D

Acq: 28 Apr 2023 14:30

Instrument :

MSVOA_Y

ClientSampleId :

TR-305A-VOC-03

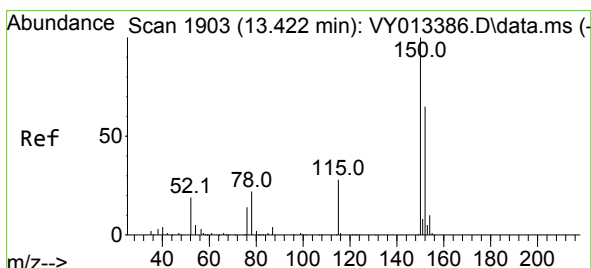
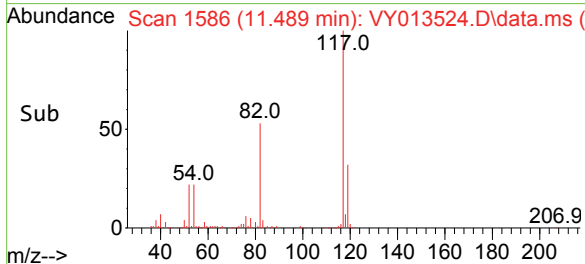
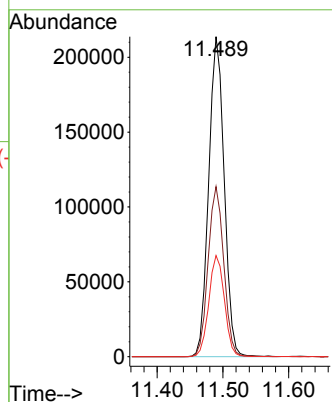
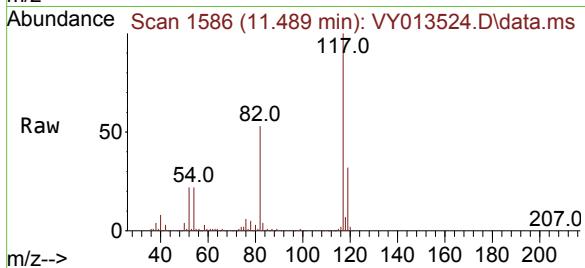
Tgt Ion:117 Resp: 350551

Ion Ratio Lower Upper

117 100

82 53.1 43.0 64.6

119 31.6 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY013524.D

Acq: 28 Apr 2023 14:30

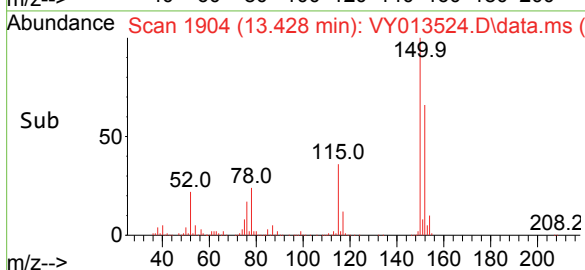
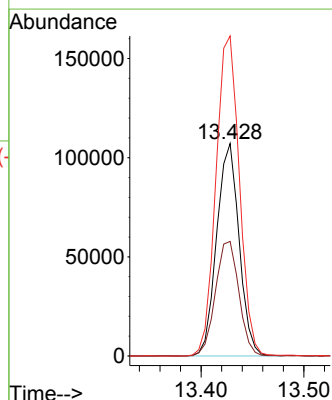
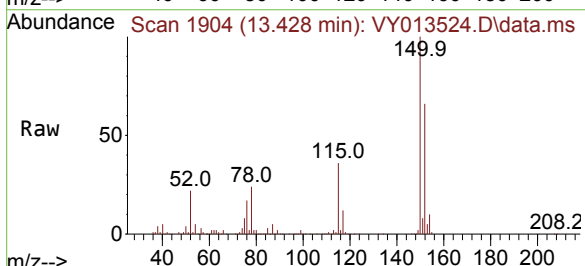
Tgt Ion:152 Resp: 162109

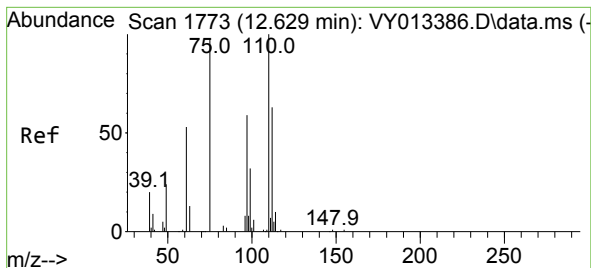
Ion Ratio Lower Upper

152 100

115 56.6 28.1 84.2

150 157.7 0.0 352.0

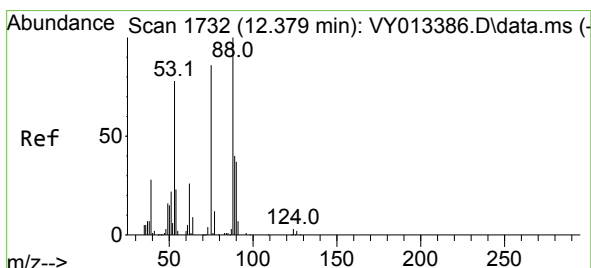
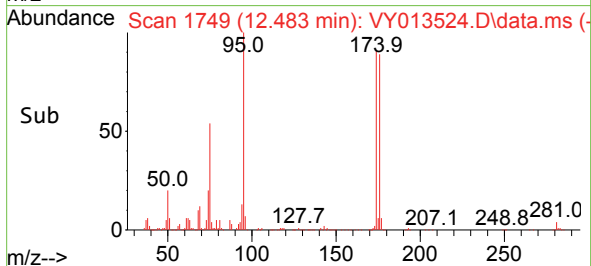
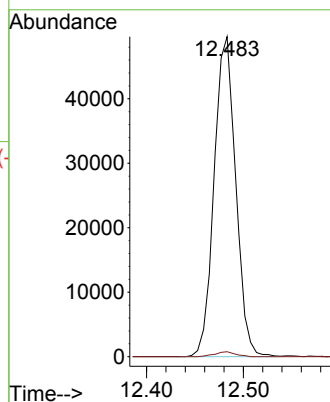
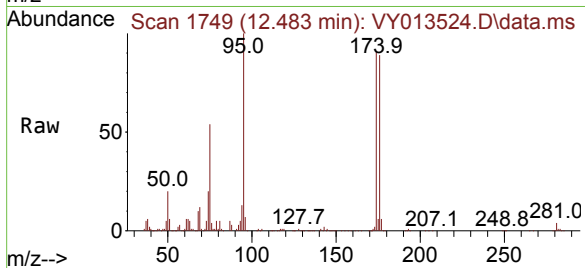




#76
1,2,3-Trichloropropane
Concen: 35.114 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY013524.D
Acq: 28 Apr 2023 14:30

Instrument :
MSVOA_Y
ClientSampleId :
TR-305A-VOC-03

Tgt Ion: 75 Resp: 76767
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.827 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY013524.D
Acq: 28 Apr 2023 14:30

Tgt Ion: 75 Resp: 76767
Ion Ratio Lower Upper
75 100
53 0.5 73.2 109.8#
89 0.0 38.0 57.0#

