

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042823\
 Data File : VY013525.D
 Acq On : 28 Apr 2023 14:54
 Operator : KP/MD
 Sample : 02502-10RE
 Misc : 5.92g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-511-VOC-02

Quant Time: Apr 28 23:13:37 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)

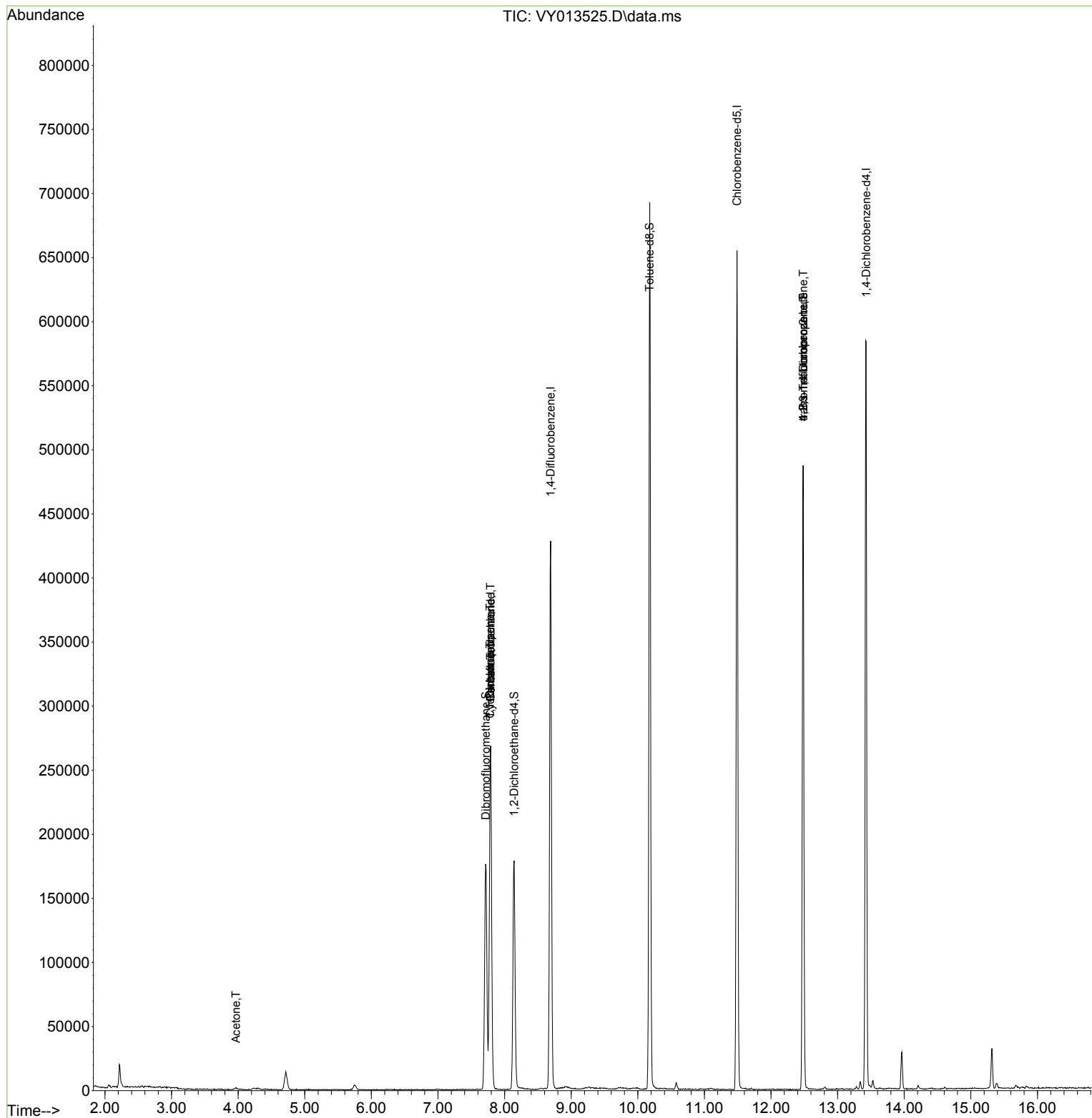
Internal Standards						
1) Pentafluorobenzene	7.789	168	209834	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	350612	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	346561	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	154836	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	145414	63.217	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.440%	
35) Dibromofluoromethane	7.716	113	122972	55.765	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.520%	
50) Toluene-d8	10.179	98	435789	55.552	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.100%	
62) 4-Bromofluorobenzene	12.483	95	137772	52.094	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.180%	
Target Compounds						
					Qvalue	
16) Acetone	3.966	43	2261	2.496	ug/l #	57
20) Methylene Chloride	4.716	84	8995	Below Cal		98
31) Cyclohexane	7.783	56	4636	1.126	ug/l #	36
36) 1,1-Dichloropropene	7.783	75	16274	4.447	ug/l #	48
38) Carbon Tetrachloride	7.789	117	20593	5.368	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	74971	35.903	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	74971	73.442	ug/l #	13

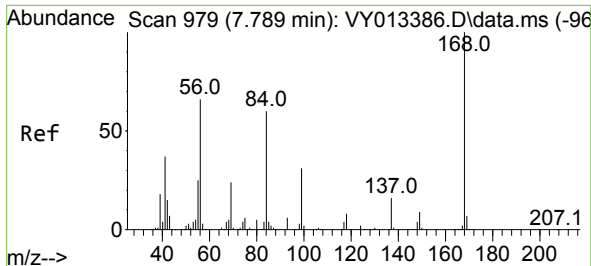
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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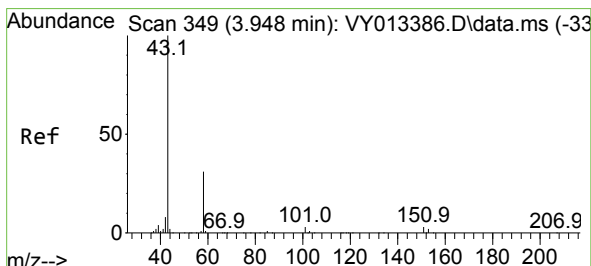
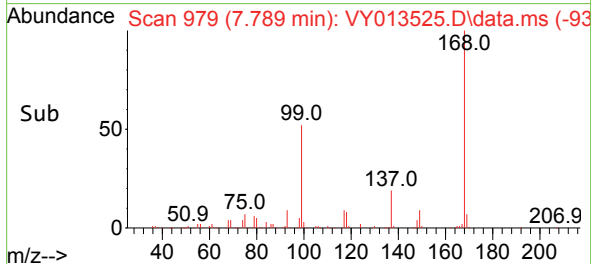
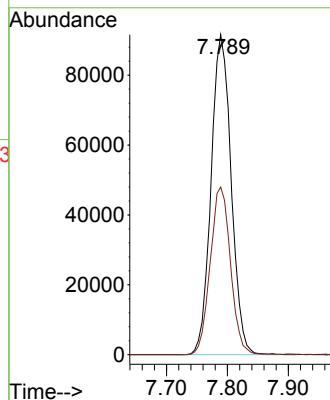
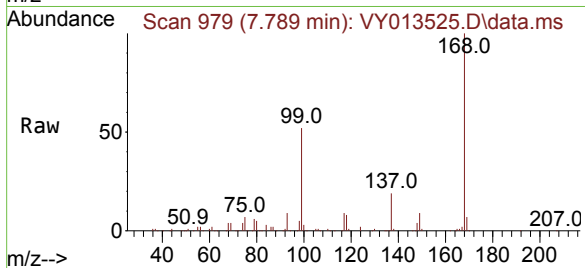




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013525.D
Acq: 28 Apr 2023 14:54

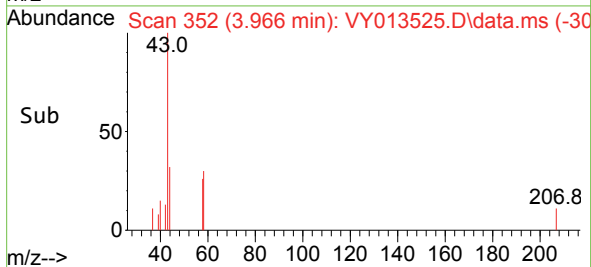
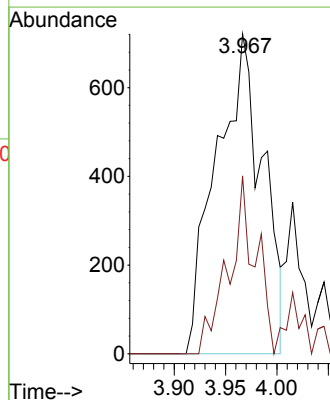
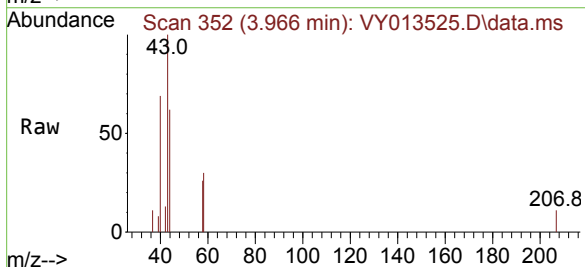
Instrument :
MSVOA_Y
ClientSampleId :
BU-511-VOC-02

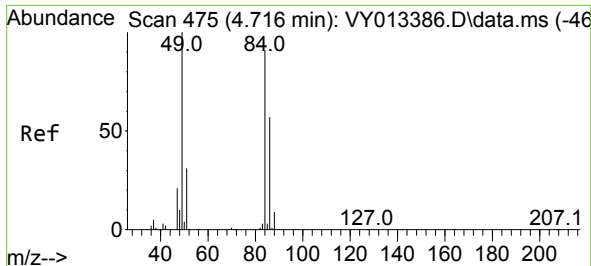
Tgt Ion:168 Resp: 209834
Ion Ratio Lower Upper
168 100
99 52.4 41.8 62.6



#16
Acetone
Concen: 2.496 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.018 min
Lab File: VY013525.D
Acq: 28 Apr 2023 14:54

Tgt Ion: 43 Resp: 2261
Ion Ratio Lower Upper
43 100
58 55.6 25.4 38.0#

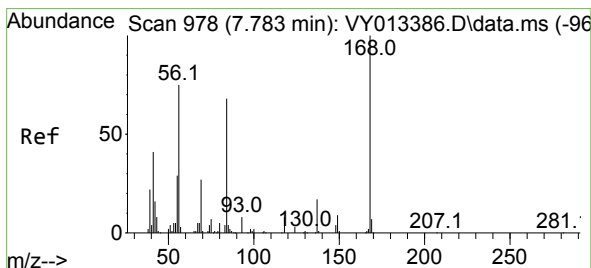
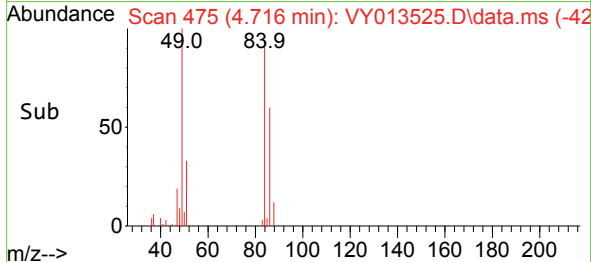
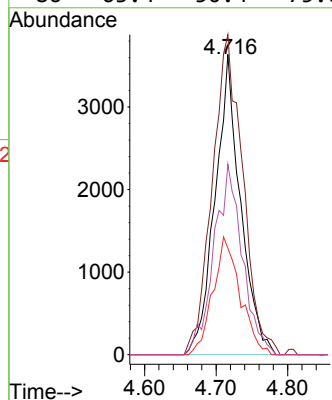
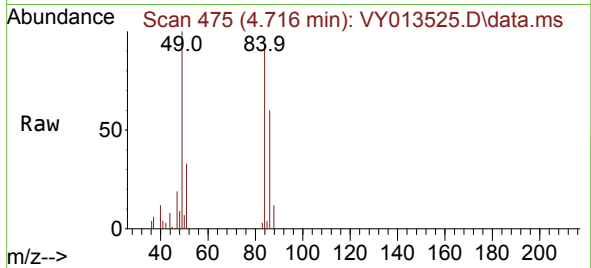




#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY013525.D
Acq: 28 Apr 2023 14:54

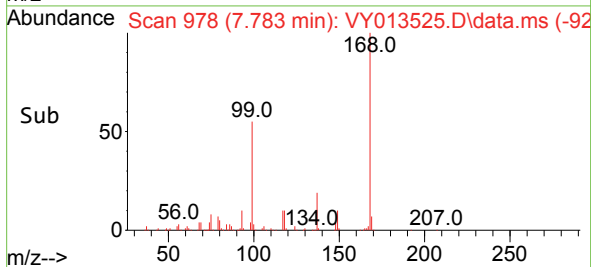
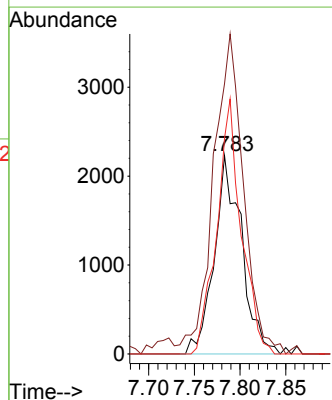
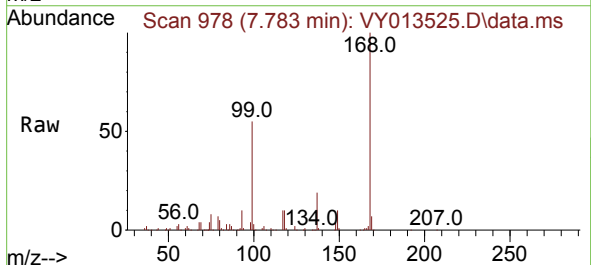
Instrument :
MSVOA_Y
ClientSampleId :
BU-511-VOC-02

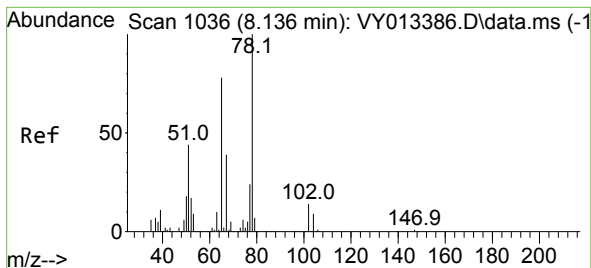
Tgt Ion:	84	Resp:	8995
Ion	Ratio	Lower	Upper
84	100		
49	106.5	88.0	132.0
51	35.4	27.4	41.0
86	63.4	50.4	75.6



#31
Cyclohexane
Concen: 1.126 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY013525.D
Acq: 28 Apr 2023 14:54

Tgt Ion:	56	Resp:	4636
Ion	Ratio	Lower	Upper
56	100		
69	131.7	29.2	43.8#
84	115.1	73.0	109.6#





#33

1,2-Dichloroethane-d4

Concen: 63.217 ug/l

RT: 8.143 min Scan# 1036

Delta R.T. 0.007 min

Lab File: VY013525.D

Acq: 28 Apr 2023 14:54

Instrument :

MSVOA_Y

ClientSampleId :

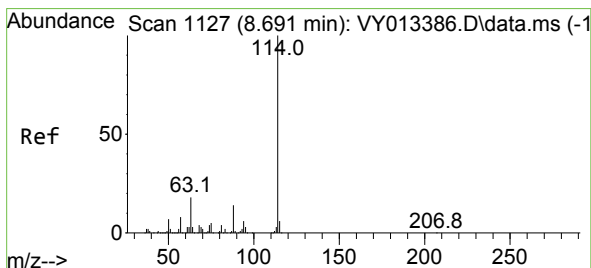
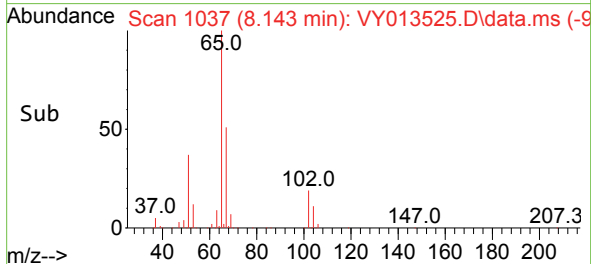
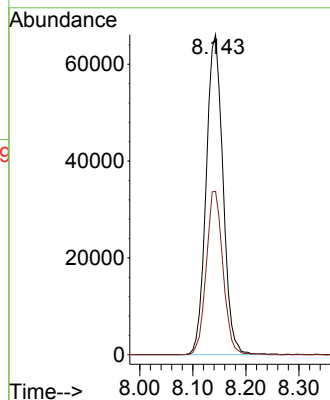
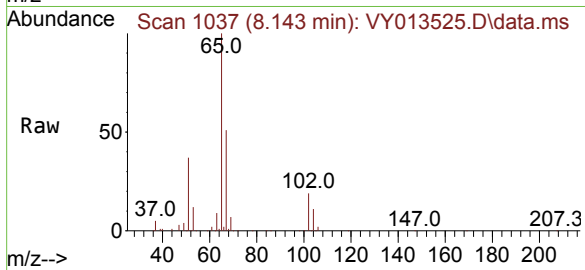
BU-511-VOC-02

Tgt Ion: 65 Resp: 145414

Ion Ratio Lower Upper

65 100

67 50.9 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: VY013525.D

Acq: 28 Apr 2023 14:54

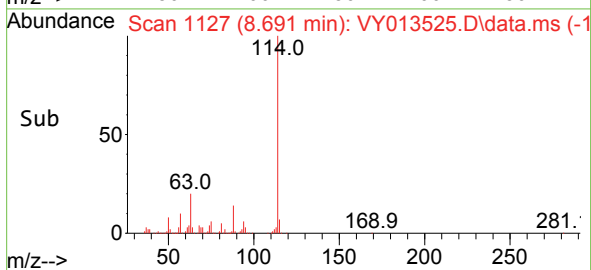
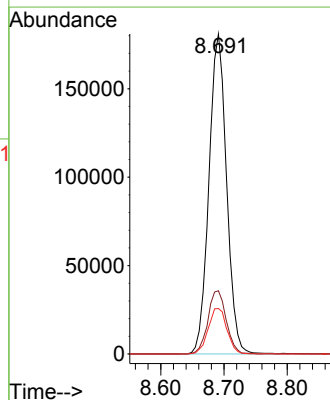
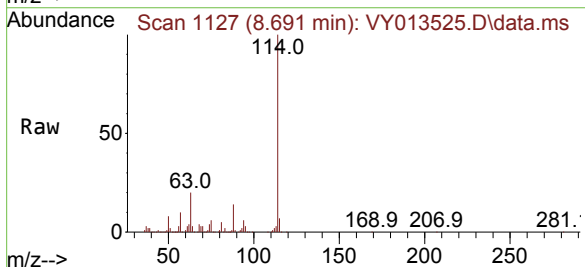
Tgt Ion:114 Resp: 350612

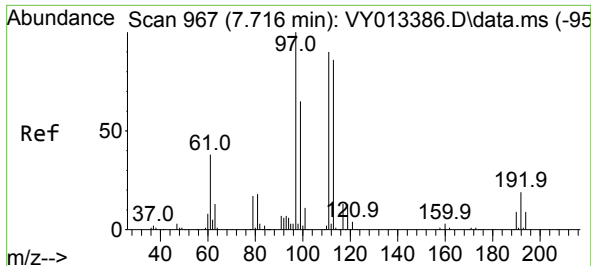
Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.6

88 14.2 0.0 28.8

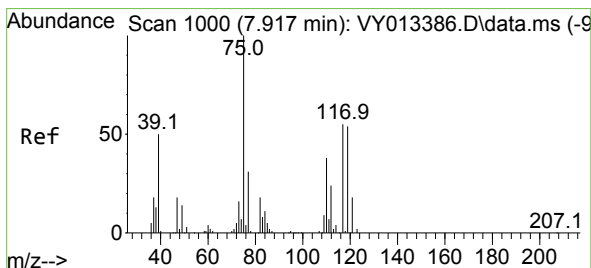
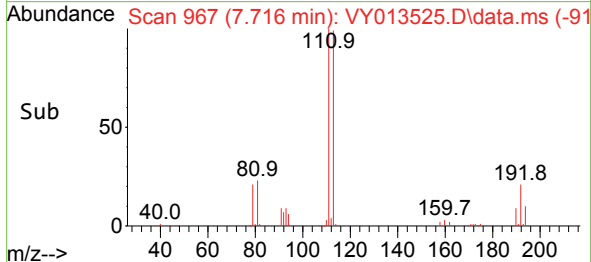
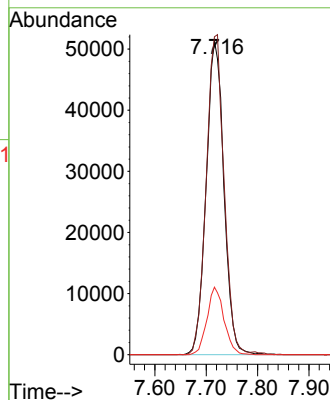
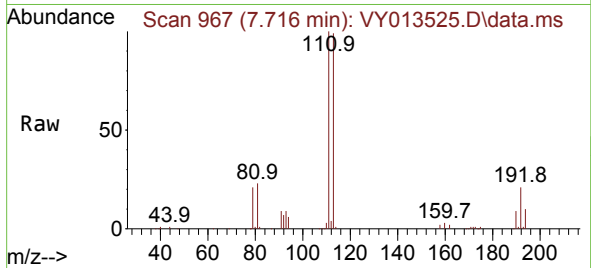




#35
Dibromofluoromethane
Concen: 55.765 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY013525.D
Acq: 28 Apr 2023 14:54

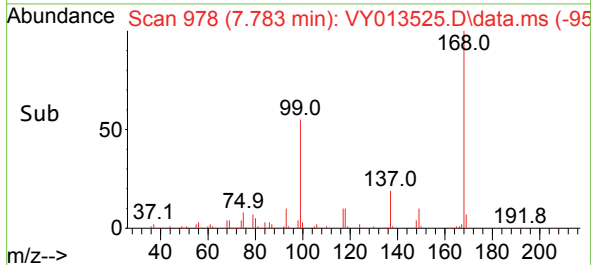
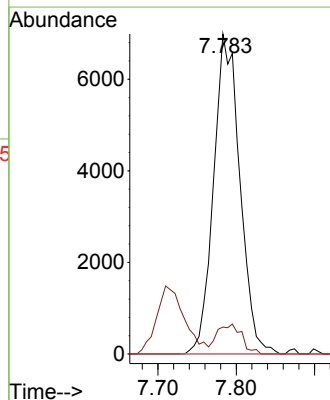
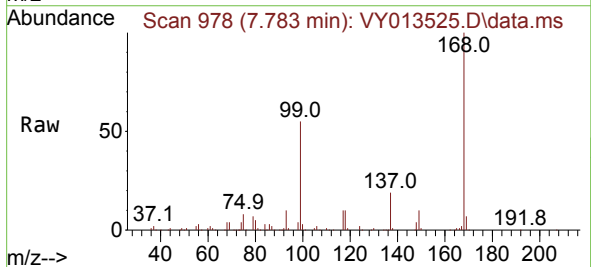
Instrument :
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BU-511-VOC-02

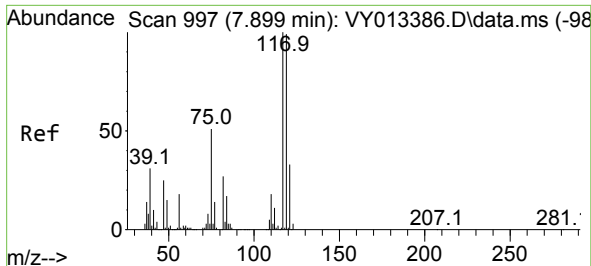
Tgt Ion:113 Resp: 122972
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.2
192 20.7 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.447 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY013525.D
Acq: 28 Apr 2023 14:54

Tgt Ion: 75 Resp: 16274
Ion Ratio Lower Upper
75 100
110 8.7 18.7 56.1#
77 0.0 24.6 37.0#

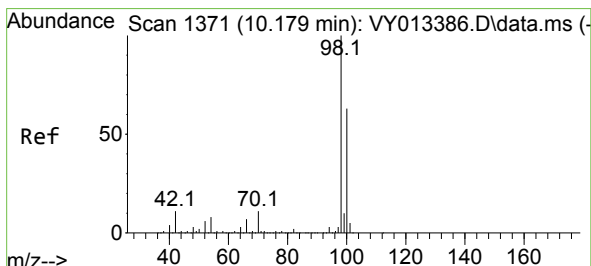
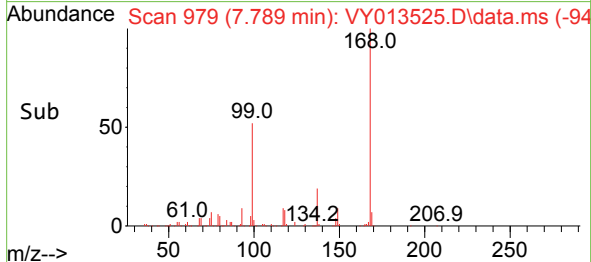
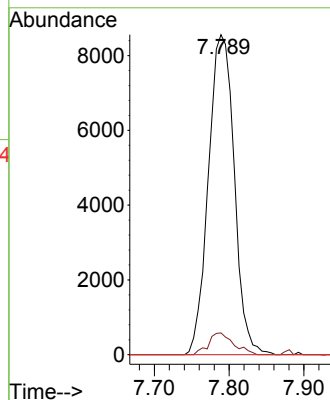
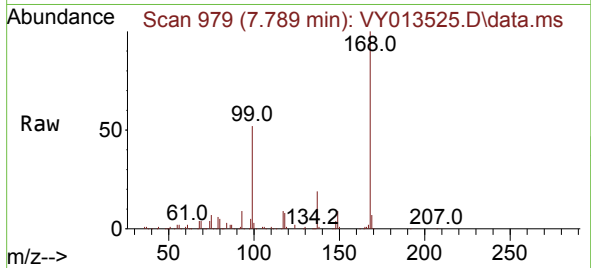




#38
Carbon Tetrachloride
Concen: 5.368 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013525.D
Acq: 28 Apr 2023 14:54

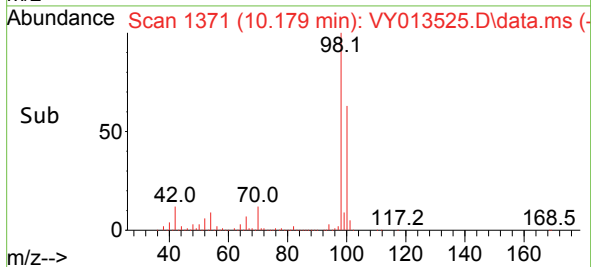
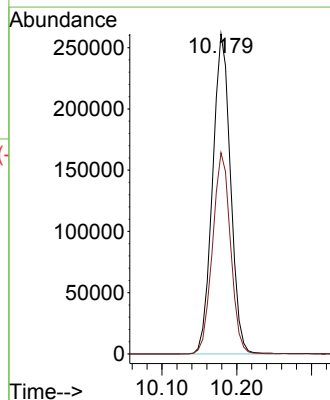
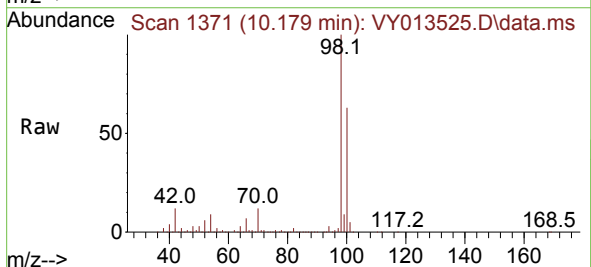
Instrument :
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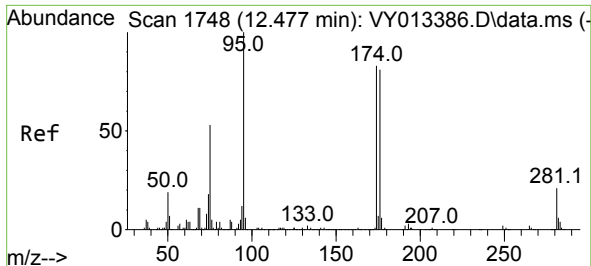
Tgt Ion:117 Resp: 20593
Ion Ratio Lower Upper
117 100
119 6.8 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 55.552 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013525.D
Acq: 28 Apr 2023 14:54

Tgt Ion: 98 Resp: 435789
Ion Ratio Lower Upper
98 100
100 63.0 50.5 75.7

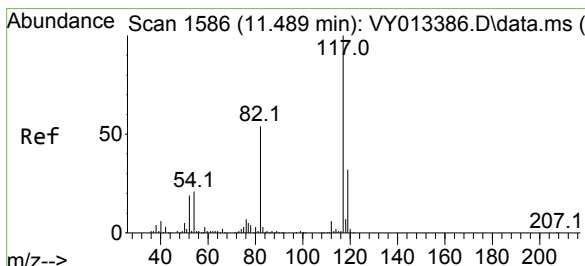
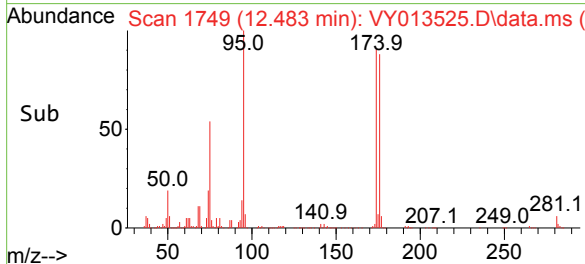
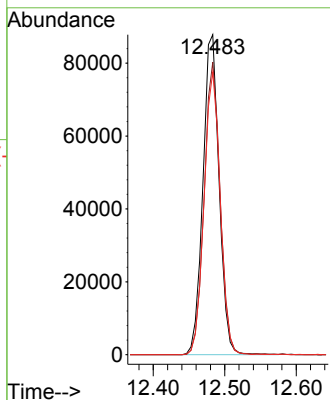
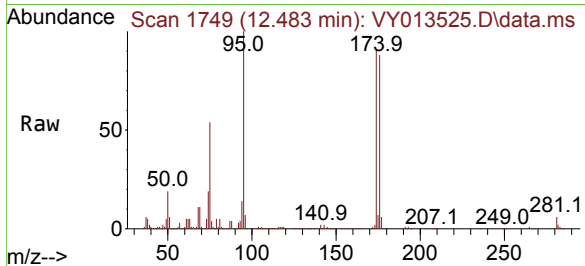




#62
4-Bromofluorobenzene
Concen: 52.094 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013525.D
Acq: 28 Apr 2023 14:54

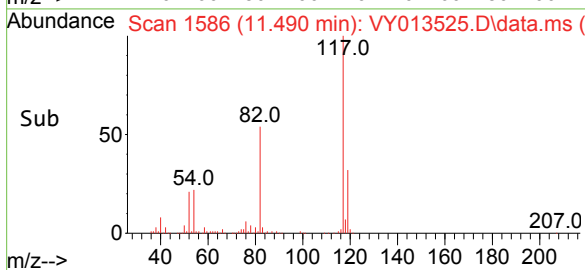
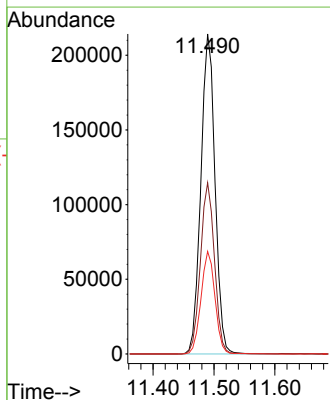
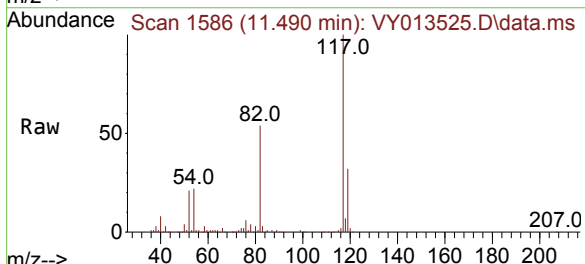
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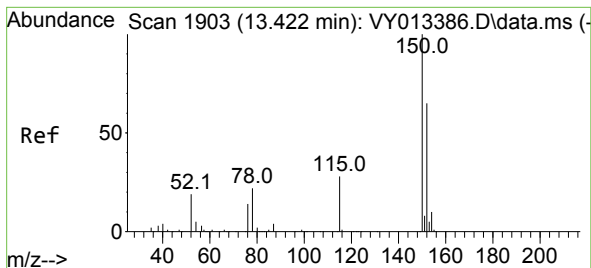
Tgt Ion: 95 Resp: 137772
Ion Ratio Lower Upper
95 100
174 90.9 0.0 182.0
176 88.5 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY013525.D
Acq: 28 Apr 2023 14:54

Tgt Ion: 117 Resp: 346561
Ion Ratio Lower Upper
117 100
82 53.5 43.0 64.6
119 32.1 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY013525.D

Acq: 28 Apr 2023 14:54

Instrument :

MSVOA_Y

ClientSampleId :

BU-511-VOC-02

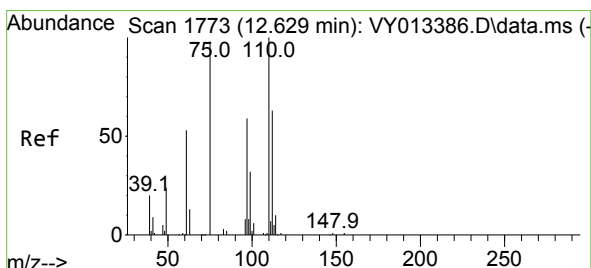
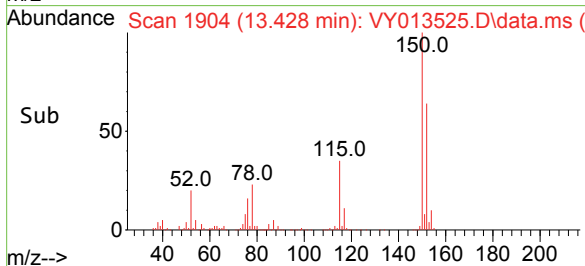
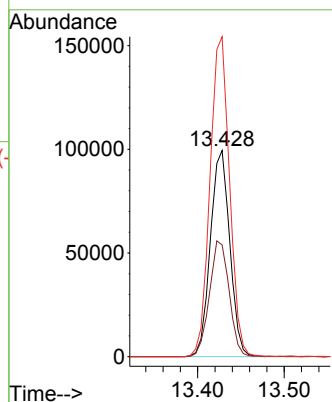
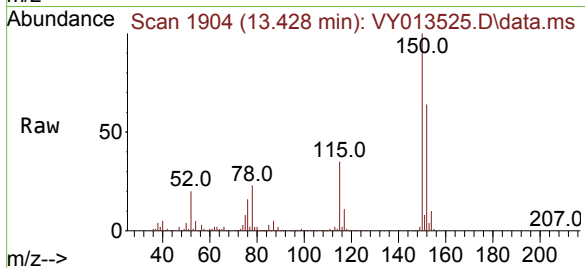
Tgt Ion:152 Resp: 154836

Ion Ratio Lower Upper

152 100

115 57.0 28.1 84.2

150 156.0 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 35.903 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY013525.D

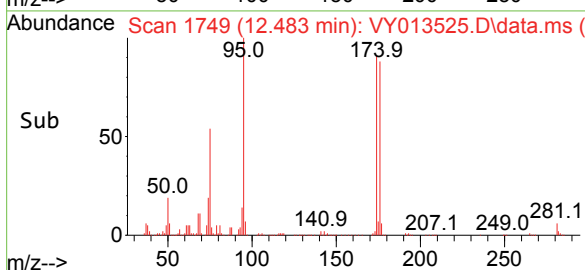
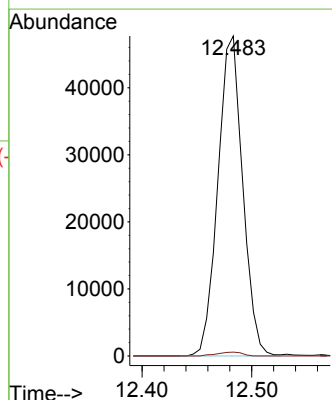
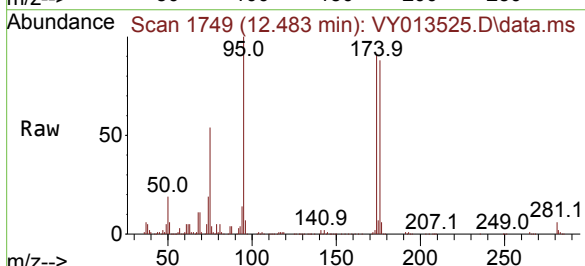
Acq: 28 Apr 2023 14:54

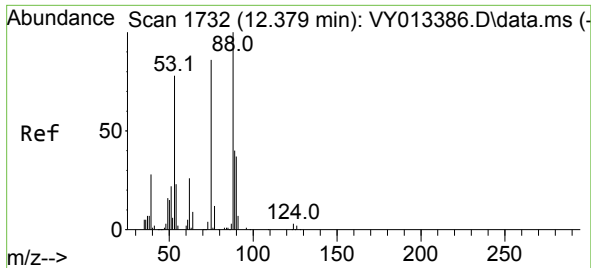
Tgt Ion: 75 Resp: 74971

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.442 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY013525.D
 Acq: 28 Apr 2023 14:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-511-VOC-02

Tgt Ion: 75 Resp: 74971
 Ion Ratio Lower Upper
 75 100
 53 0.3 73.2 109.8#
 89 0.0 38.0 57.0#

