

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042823\
 Data File : VY013519.D
 Acq On : 28 Apr 2023 12:33
 Operator : KP/MD
 Sample : 02504-03
 Misc : 5.15g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-512-VOC-01

Quant Time: Apr 28 23:11:51 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)

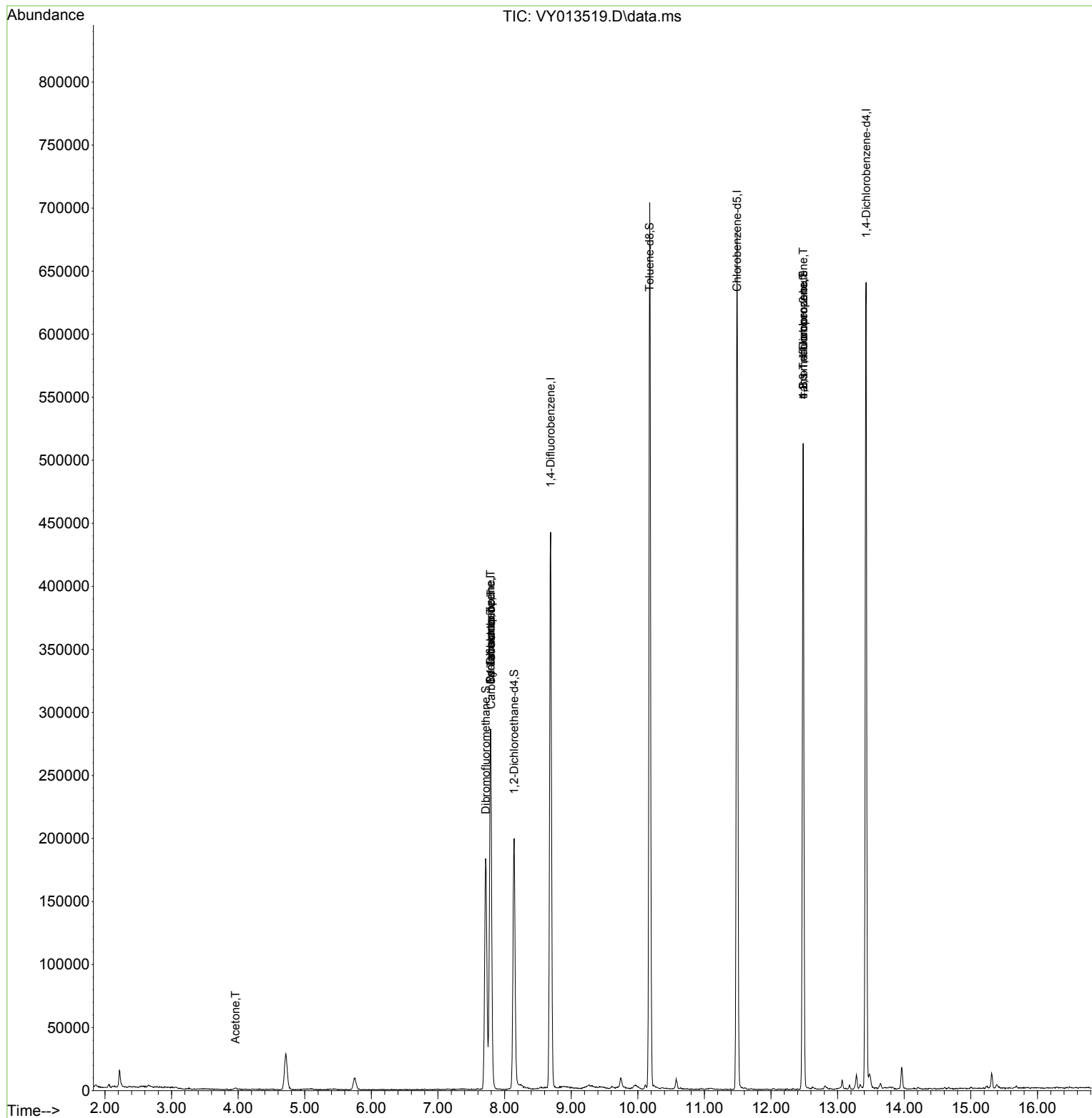
Internal Standards						
1) Pentafluorobenzene	7.789	168	221053	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	368622	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	356313	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	163946	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	160079	66.060	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.120%	
35) Dibromofluoromethane	7.716	113	125871	54.291	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.580%	
50) Toluene-d8	10.179	98	453769	55.017	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 110.040%	
62) 4-Bromofluorobenzene	12.483	95	145422	52.300	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.600%	
Target Compounds						
					Qvalue	
16) Acetone	3.960	43	2563	2.686	ug/l	94
20) Methylene Chloride	4.716	84	20258	Below Cal	#	84
31) Cyclohexane	7.789	56	4971	1.146	ug/l #	24
36) 1,1-Dichloropropene	7.789	75	16622	4.320	ug/l #	49
38) Carbon Tetrachloride	7.795	117	22085	5.476	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	78416	35.466	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	78416	72.548	ug/l #	13

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

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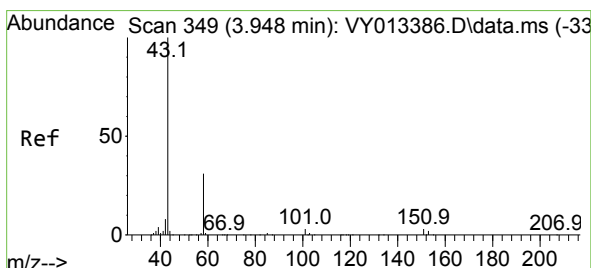
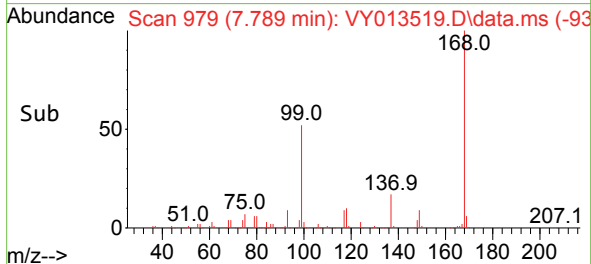
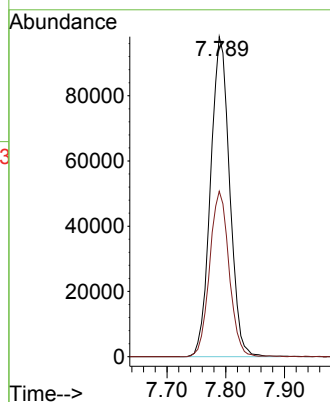
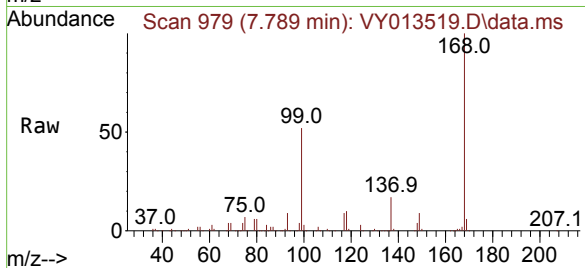




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013519.D
Acq: 28 Apr 2023 12:33

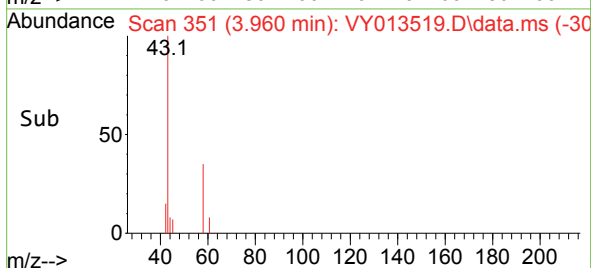
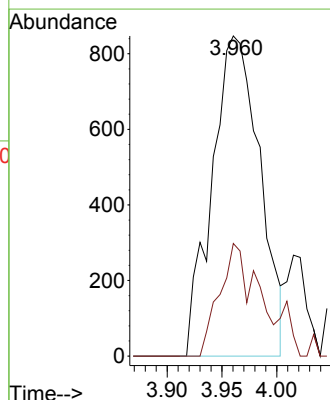
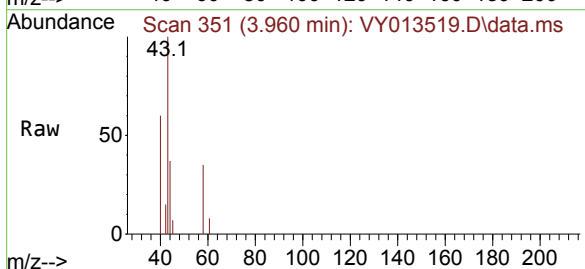
Instrument :
MSVOA_Y
ClientSampleId :
BU-512-VOC-01

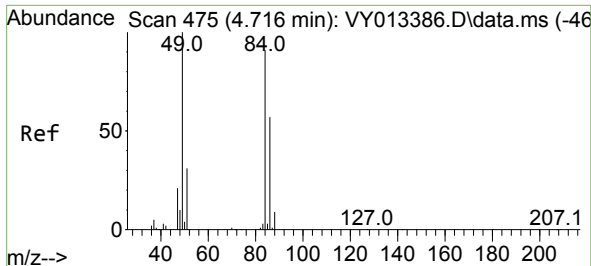
Tgt Ion:168 Resp: 221053
Ion Ratio Lower Upper
168 100
99 51.7 41.8 62.6



#16
Acetone
Concen: 2.686 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.012 min
Lab File: VY013519.D
Acq: 28 Apr 2023 12:33

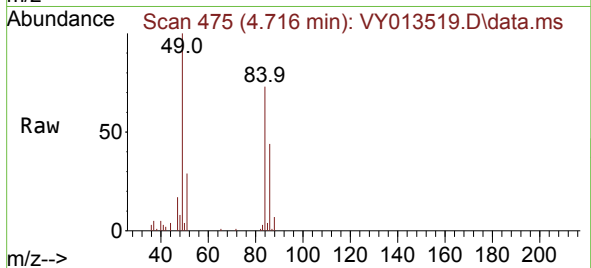
Tgt Ion: 43 Resp: 2563
Ion Ratio Lower Upper
43 100
58 35.2 25.4 38.0



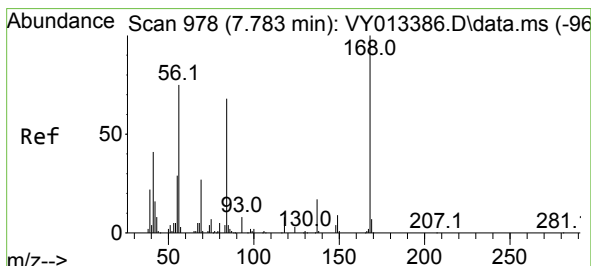
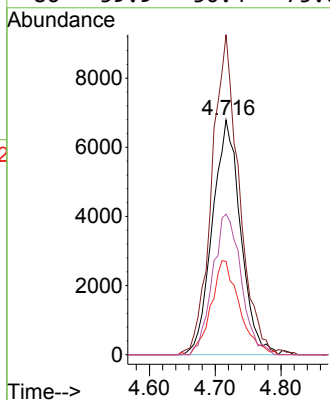
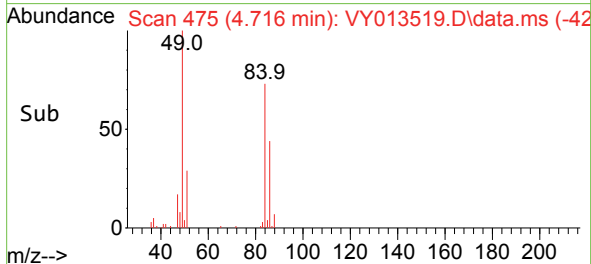


#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY013519.D
Acq: 28 Apr 2023 12:33

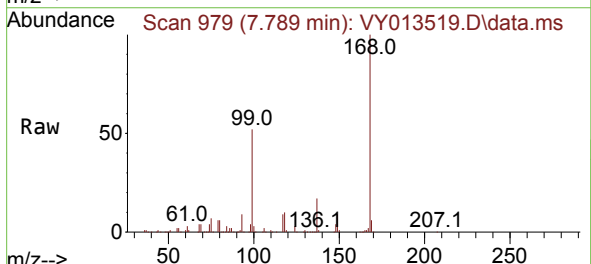
Instrument :
MSVOA_Y
ClientSampleId :
BU-512-VOC-01



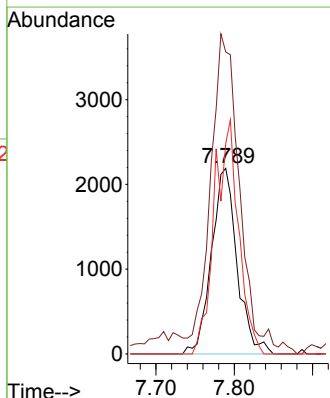
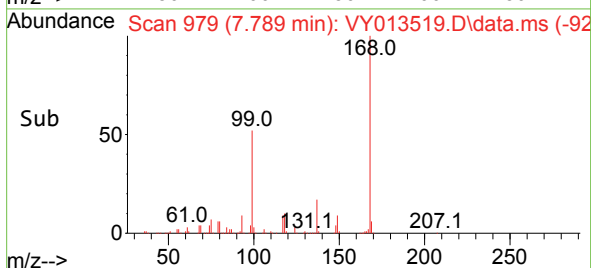
Tgt Ion: 84 Resp: 20258
Ion Ratio Lower Upper
84 100
49 136.4 88.0 132.0#
51 39.7 27.4 41.0
86 59.9 50.4 75.6

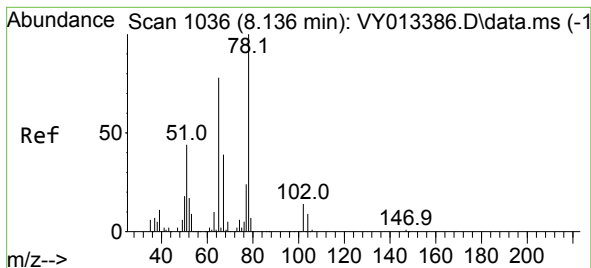


#31
Cyclohexane
Concen: 1.146 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY013519.D
Acq: 28 Apr 2023 12:33



Tgt Ion: 56 Resp: 4971
Ion Ratio Lower Upper
56 100
69 158.9 29.2 43.8#
84 113.4 73.0 109.6#





#33

1,2-Dichloroethane-d4

Concen: 66.060 ug/l

RT: 8.143 min Scan# 1

Delta R.T. 0.007 min

Lab File: VY013519.D

Acq: 28 Apr 2023 12:33

Instrument :

MSVOA_Y

ClientSampleId :

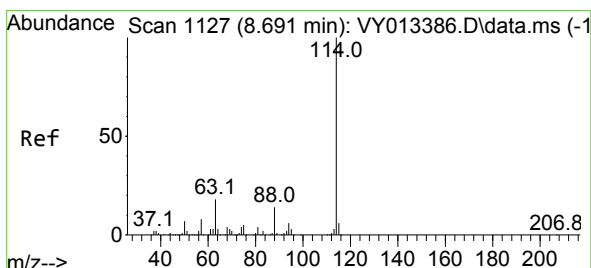
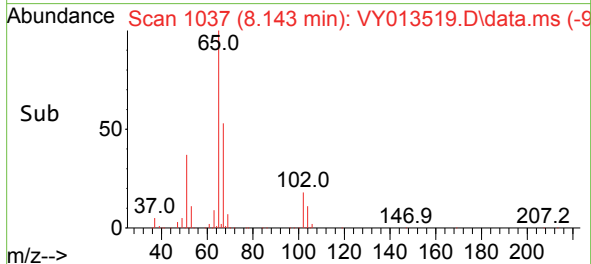
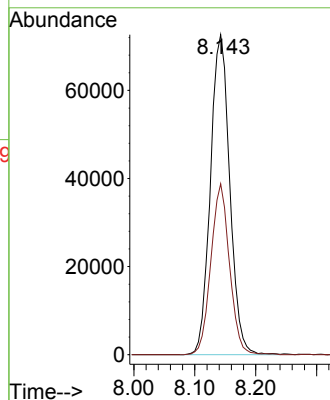
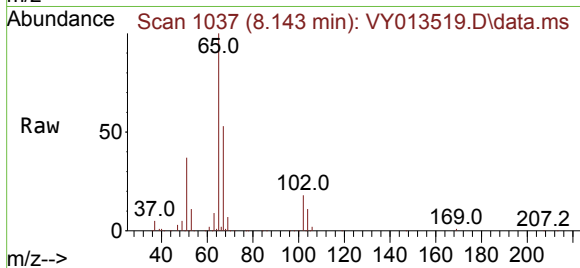
BU-512-VOC-01

Tgt Ion: 65 Resp: 160079

Ion Ratio Lower Upper

65 100

67 51.5 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: VY013519.D

Acq: 28 Apr 2023 12:33

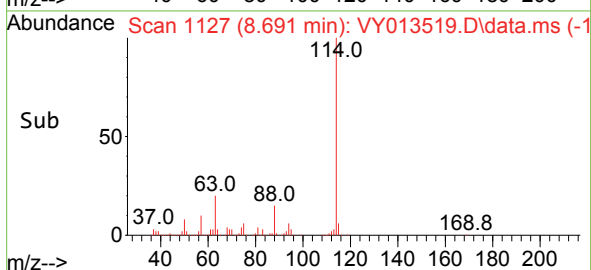
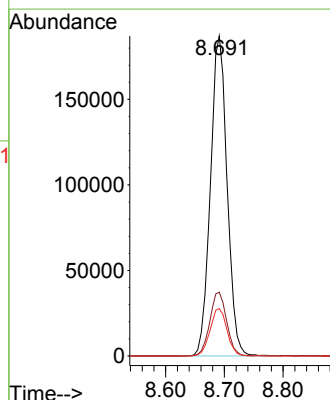
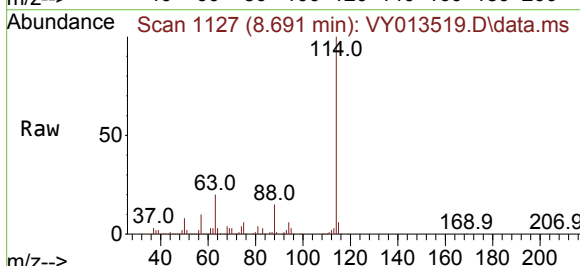
Tgt Ion: 114 Resp: 368622

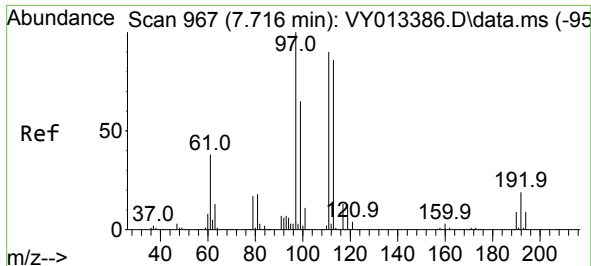
Ion Ratio Lower Upper

114 100

63 20.0 0.0 36.6

88 14.8 0.0 28.8

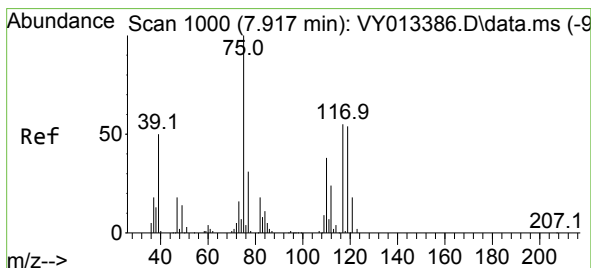
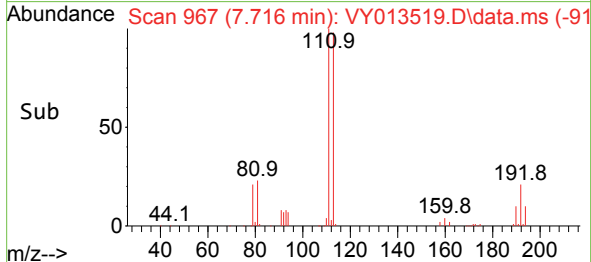
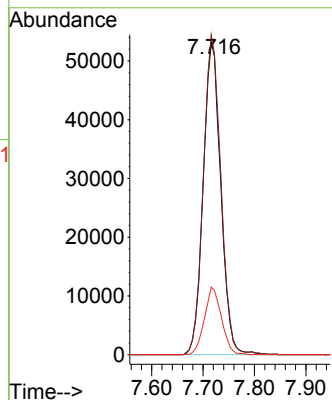
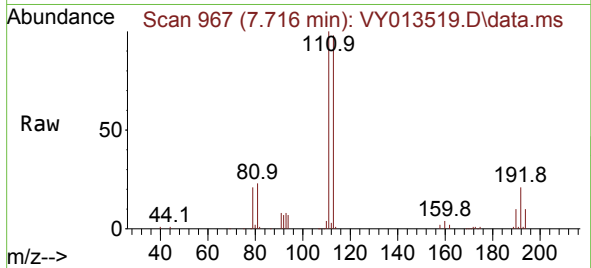




#35
Dibromofluoromethane
Concen: 54.291 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY013519.D
Acq: 28 Apr 2023 12:33

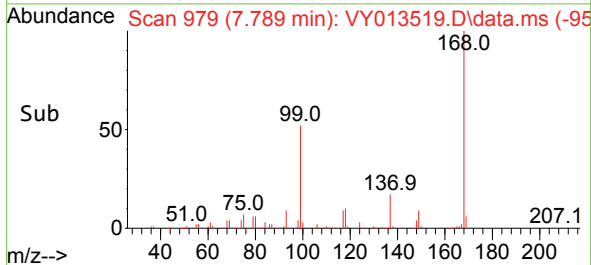
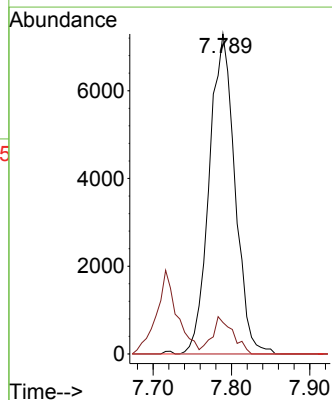
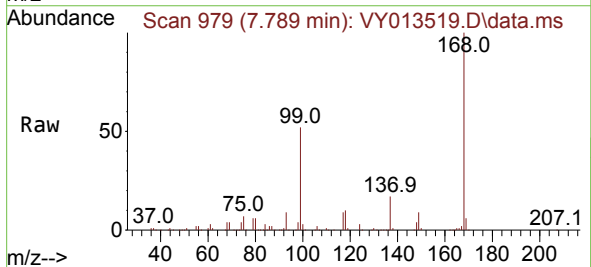
Instrument :
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BU-512-VOC-01

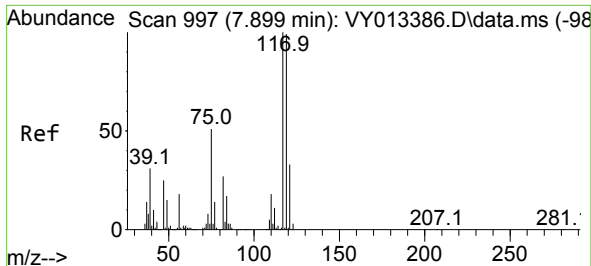
Tgt Ion:113 Resp: 125871
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 21.0 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.320 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013519.D
Acq: 28 Apr 2023 12:33

Tgt Ion: 75 Resp: 16622
Ion Ratio Lower Upper
75 100
110 9.4 18.7 56.1#
77 0.0 24.6 37.0#

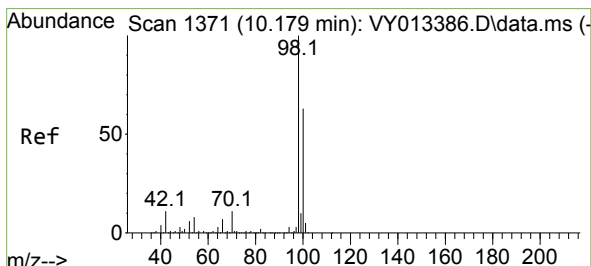
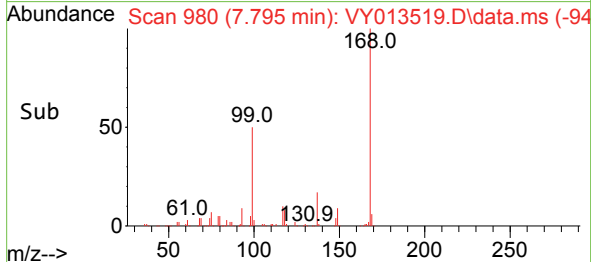
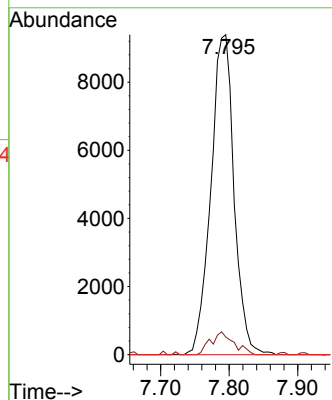
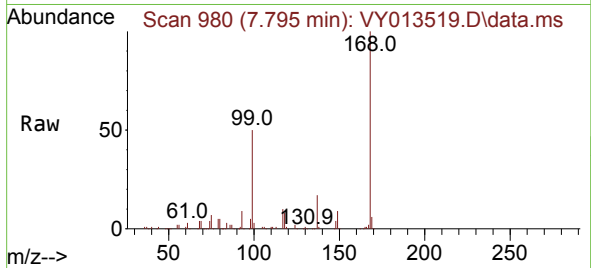




#38
Carbon Tetrachloride
Concen: 5.476 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY013519.D
Acq: 28 Apr 2023 12:33

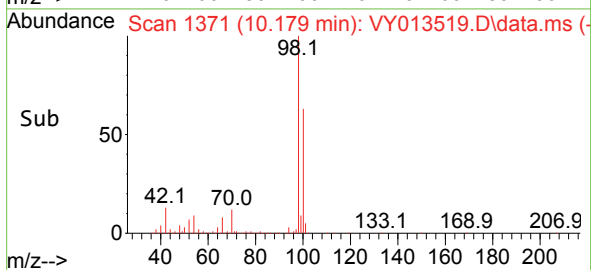
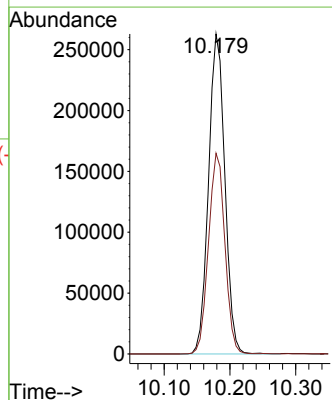
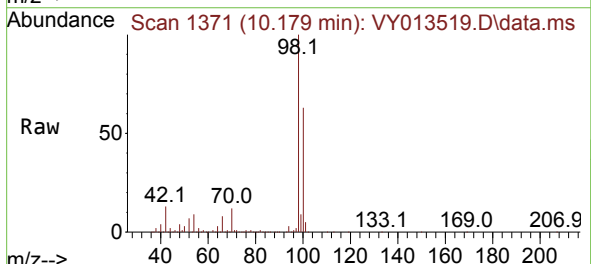
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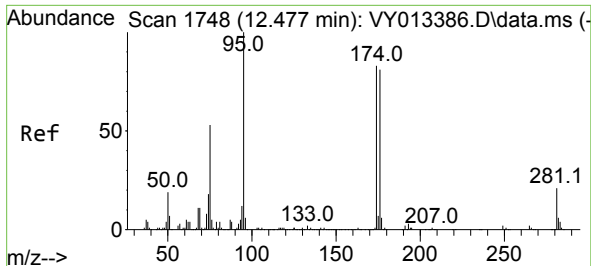
Tgt Ion:117 Resp: 22085
Ion Ratio Lower Upper
117 100
119 5.5 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 55.017 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013519.D
Acq: 28 Apr 2023 12:33

Tgt Ion: 98 Resp: 453769
Ion Ratio Lower Upper
98 100
100 63.0 50.5 75.7

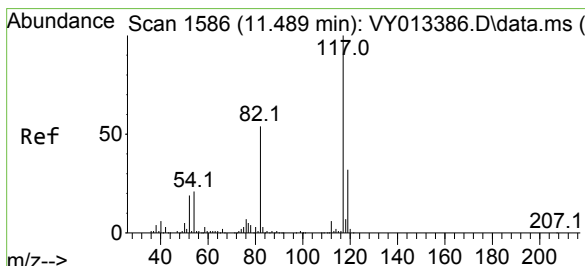
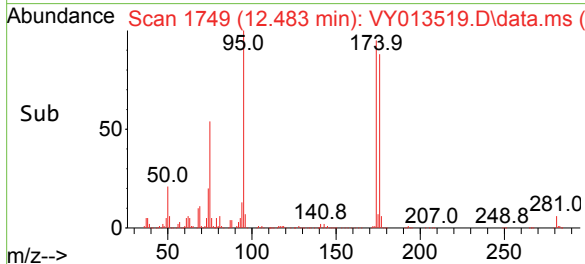
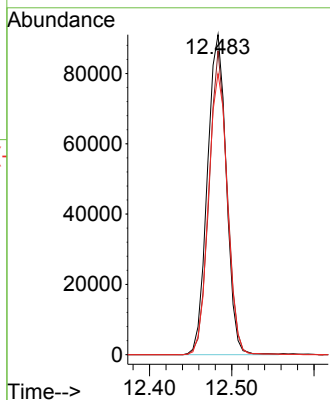
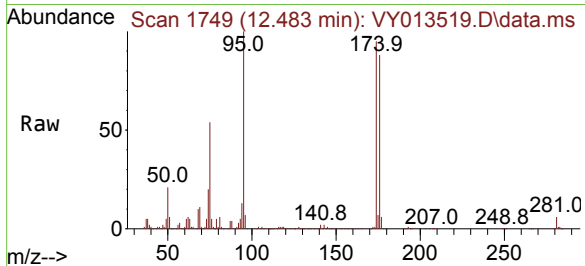




#62
4-Bromofluorobenzene
Concen: 52.300 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013519.D
Acq: 28 Apr 2023 12:33

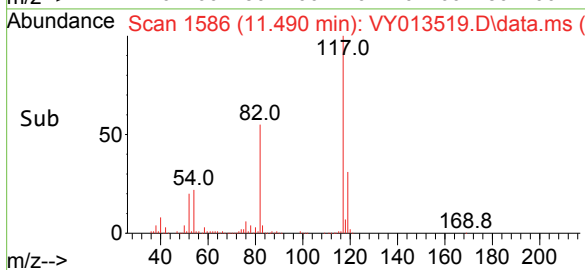
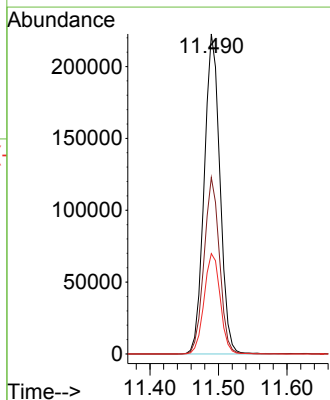
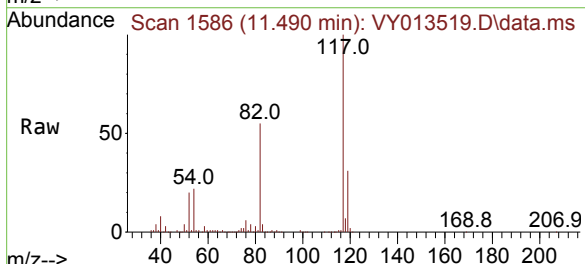
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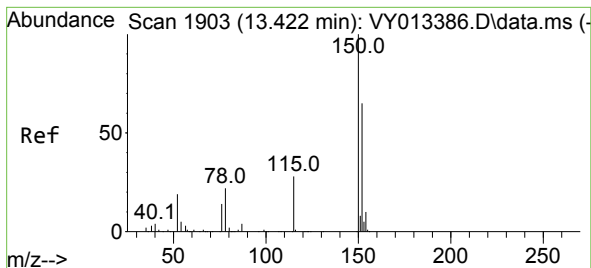
Tgt Ion: 95 Resp: 145422
Ion Ratio Lower Upper
95 100
174 91.1 0.0 182.0
176 88.8 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY013519.D
Acq: 28 Apr 2023 12:33

Tgt Ion: 117 Resp: 356313
Ion Ratio Lower Upper
117 100
82 55.1 43.0 64.6
119 31.4 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: VY013519.D

Acq: 28 Apr 2023 12:33

Instrument :

MSVOA_Y

ClientSampleId :

BU-512-VOC-01

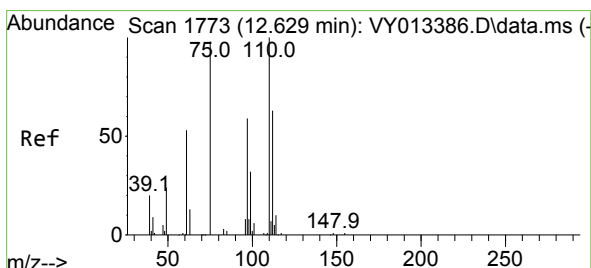
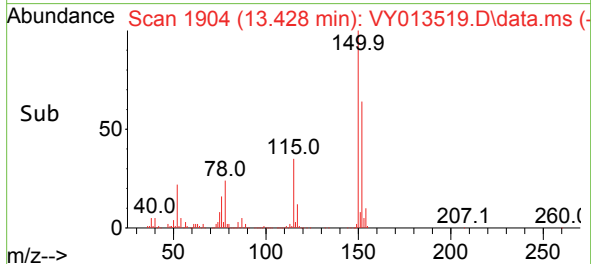
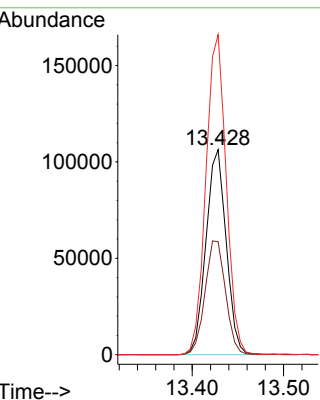
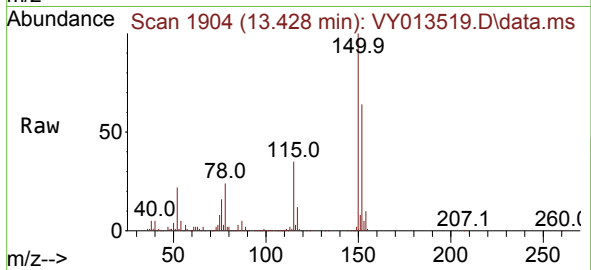
Tgt Ion:152 Resp: 163946

Ion Ratio Lower Upper

152 100

115 56.5 28.1 84.2

150 156.4 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 35.466 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY013519.D

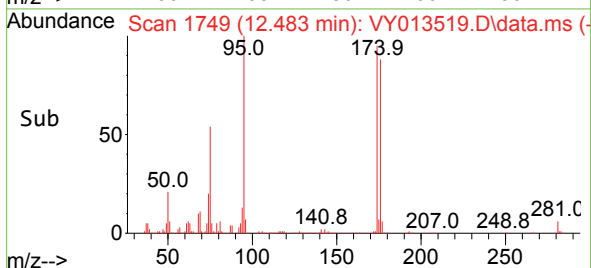
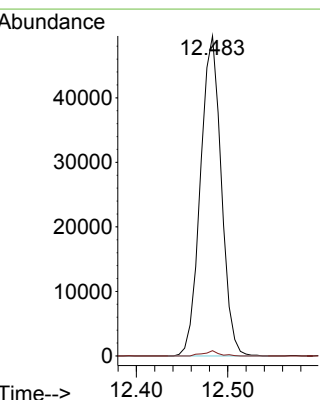
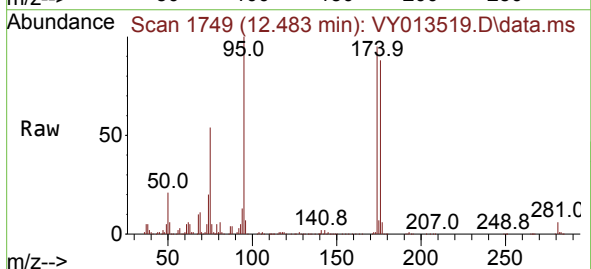
Acq: 28 Apr 2023 12:33

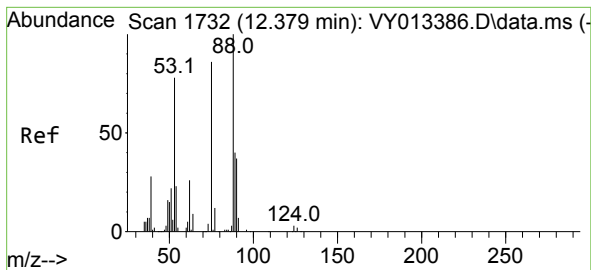
Tgt Ion: 75 Resp: 78416

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.548 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY013519.D
 Acq: 28 Apr 2023 12:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-512-VOC-01

Tgt Ion: 75 Resp: 78416
 Ion Ratio Lower Upper
 75 100
 53 0.3 73.2 109.8#
 89 0.0 38.0 57.0#

