

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042823\
 Data File : VY013520.D
 Acq On : 28 Apr 2023 12:57
 Operator : KP/MD
 Sample : 02504-10
 Misc : 5.22g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-512-VOC-02

Quant Time: Apr 28 23:12:07 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)

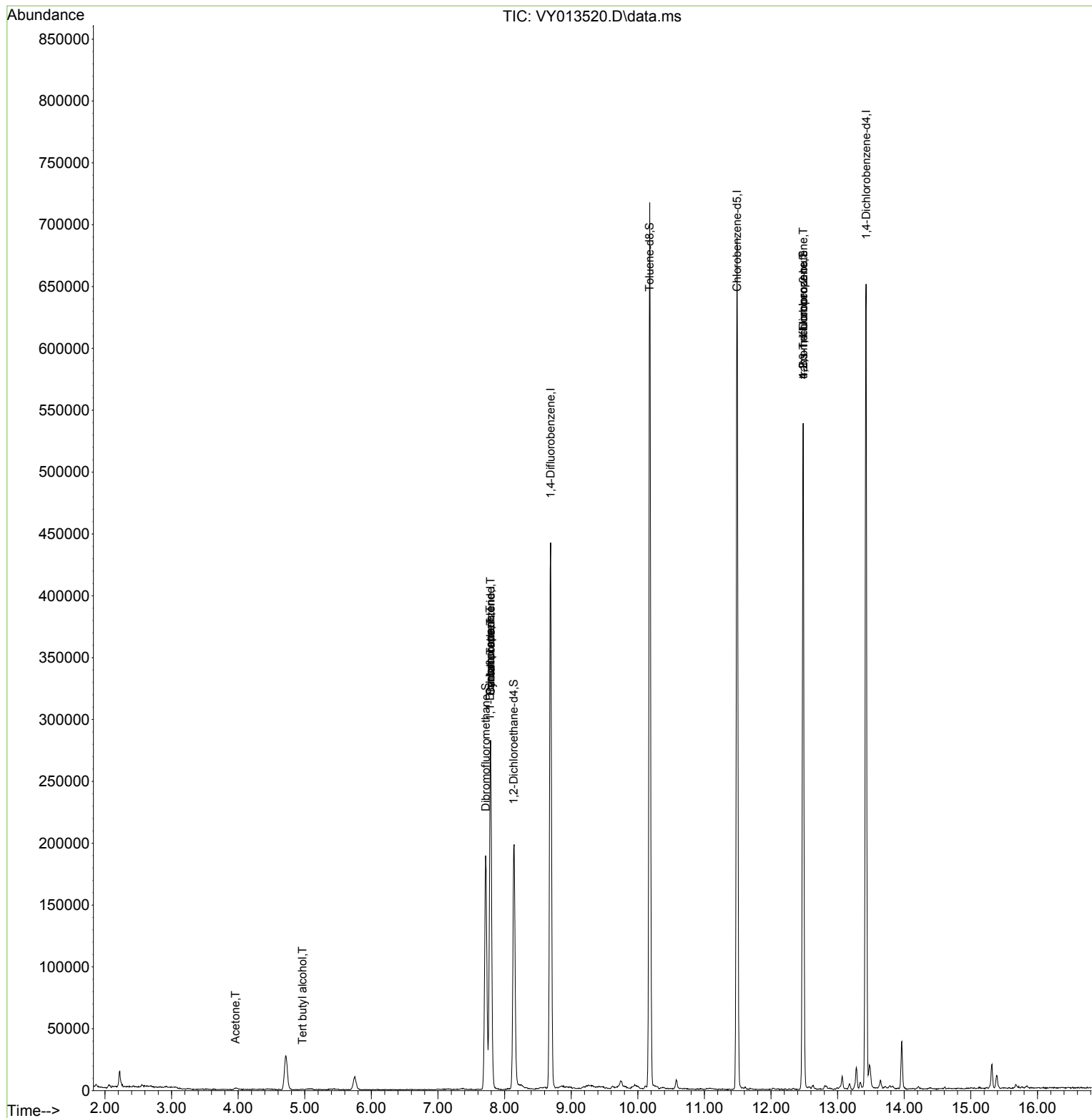
Internal Standards						
1) Pentafluorobenzene	7.789	168	219273	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	369155	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	358697	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	165321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	163247	67.914	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163		Recovery	= 135.820%	
35) Dibromofluoromethane	7.716	113	127707	55.003	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147		Recovery	= 110.000%	
50) Toluene-d8	10.179	98	455285	55.122	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134		Recovery	= 110.240%	
62) 4-Bromofluorobenzene	12.483	95	148008	53.154	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143		Recovery	= 106.300%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	104	1.033	ug/l #	89
13) Acrolein	3.875	56	20	Below Cal	#	16
16) Acetone	3.960	43	2955	3.122	ug/l #	72
20) Methylene Chloride	4.716	84	20249	Below Cal	#	84
31) Cyclohexane	7.789	56	4860	1.129	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	17026	4.418	ug/l #	48
38) Carbon Tetrachloride	7.789	117	21384	5.295	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	78672	35.286	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	78672	72.179	ug/l #	13

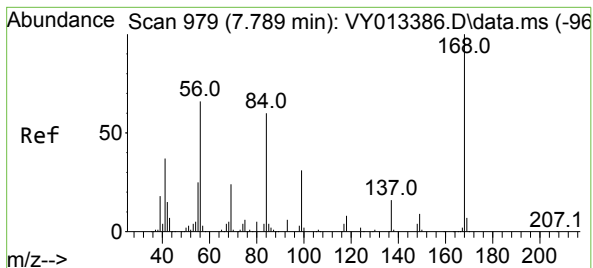
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY013520.D

Acq: 28 Apr 2023 12:57

Instrument :

MSVOA_Y

ClientSampleId :

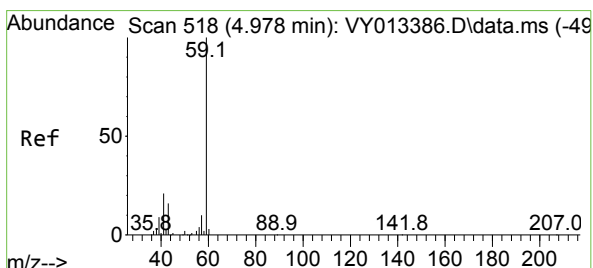
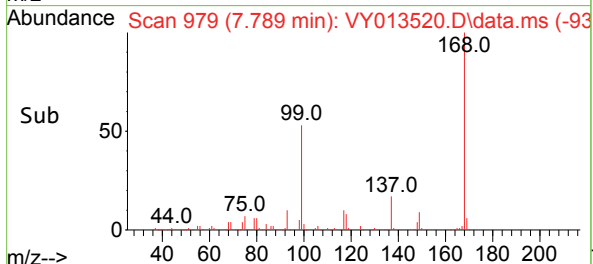
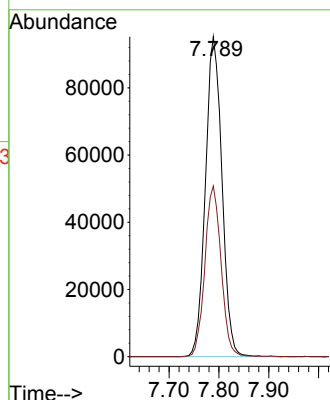
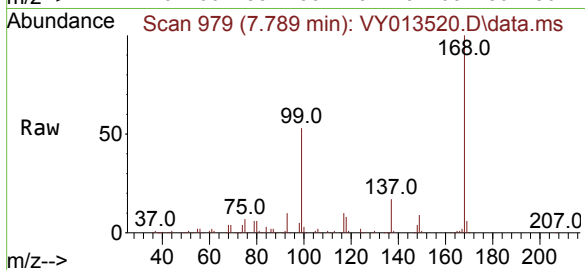
BU-512-VOC-02

Tgt Ion:168 Resp: 219273

Ion Ratio Lower Upper

168 100

99 53.3 41.8 62.6



#11

Tert butyl alcohol

Concen: 1.033 ug/l

RT: 4.966 min Scan# 516

Delta R.T. -0.012 min

Lab File: VY013520.D

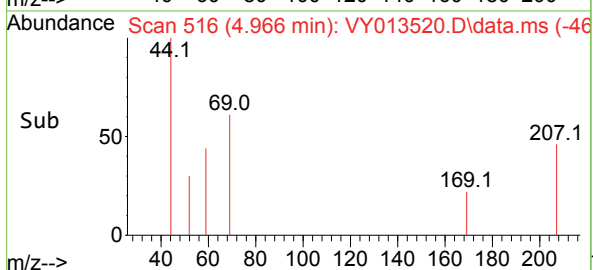
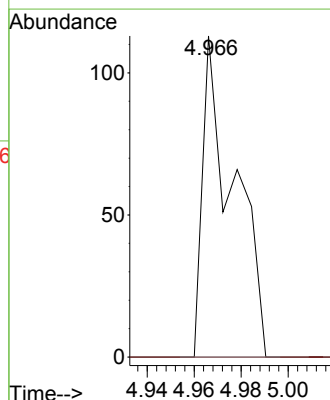
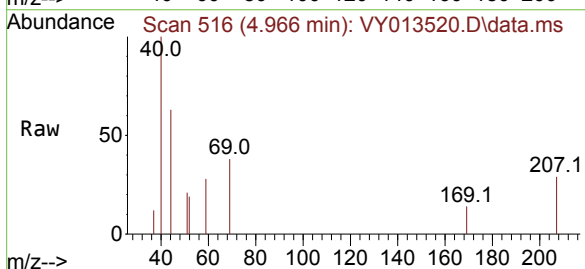
Acq: 28 Apr 2023 12:57

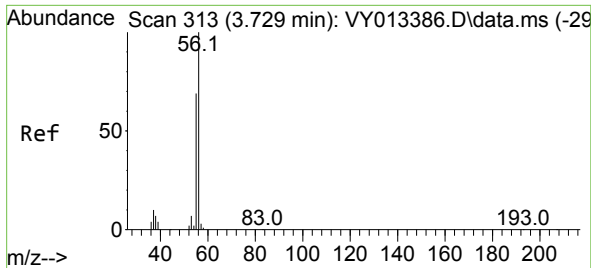
Tgt Ion: 59 Resp: 104

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#

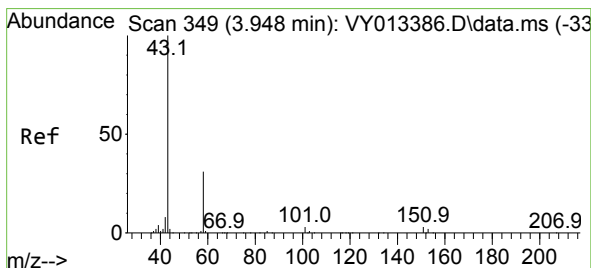
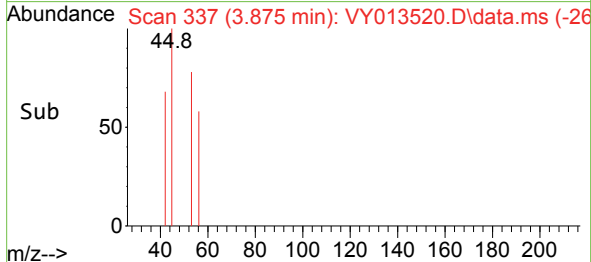
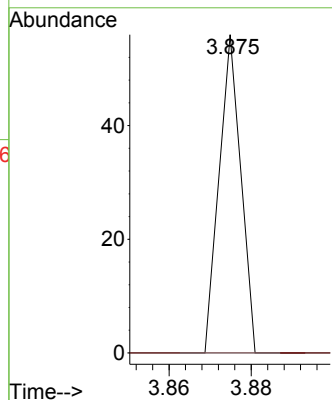
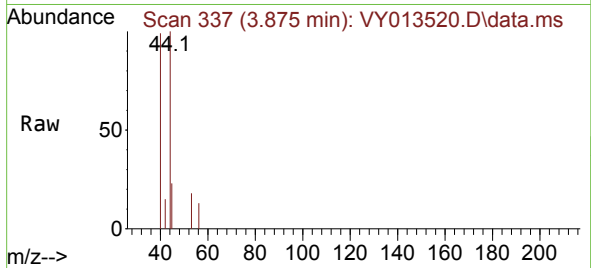




#13
Acrolein
Concen: Below Cal
RT: 3.875 min Scan# 313
Delta R.T. 0.146 min
Lab File: VY013520.D
Acq: 28 Apr 2023 12:57

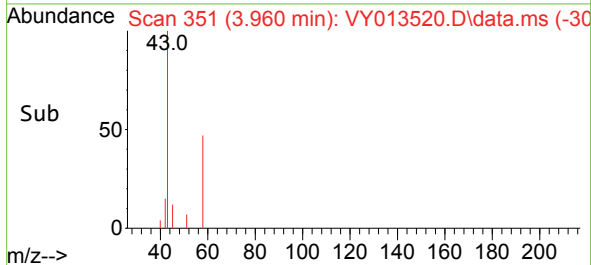
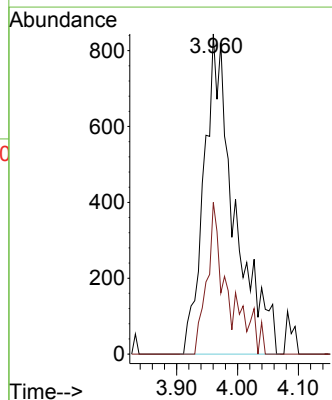
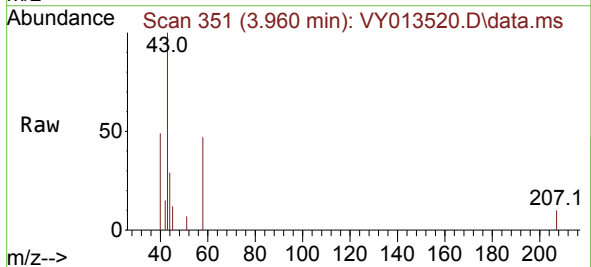
Instrument :
MSVOA_Y
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BU-512-VOC-02

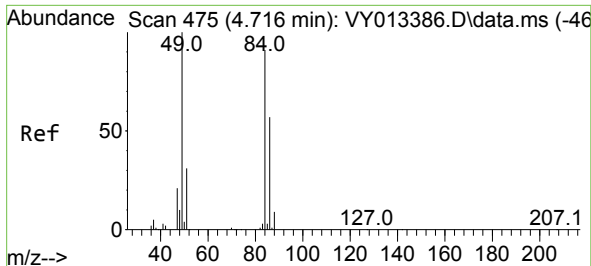
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



#16
Acetone
Concen: 3.122 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.012 min
Lab File: VY013520.D
Acq: 28 Apr 2023 12:57

Tgt Ion: 43 Resp: 2955
Ion Ratio Lower Upper
43 100
58 47.4 25.4 38.0#

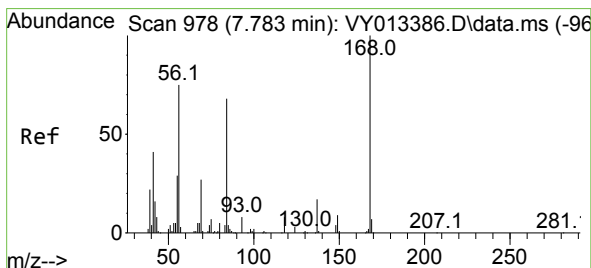
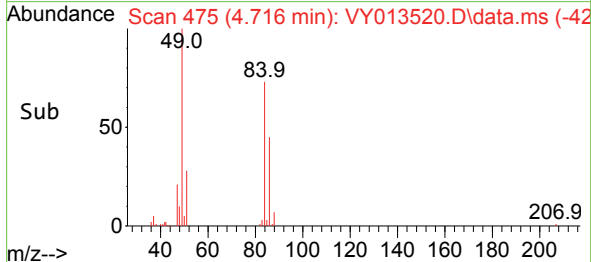
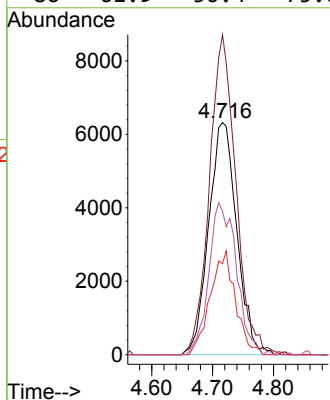
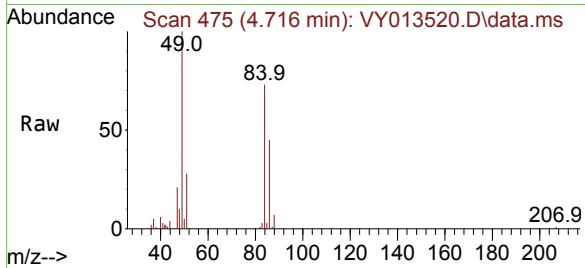




#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY013520.D
Acq: 28 Apr 2023 12:57

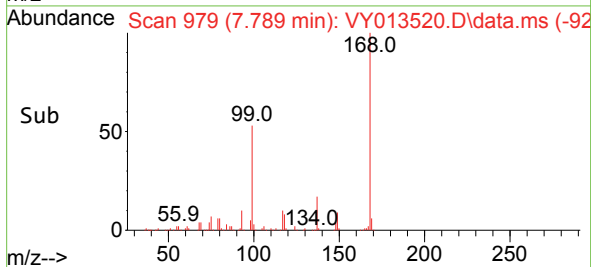
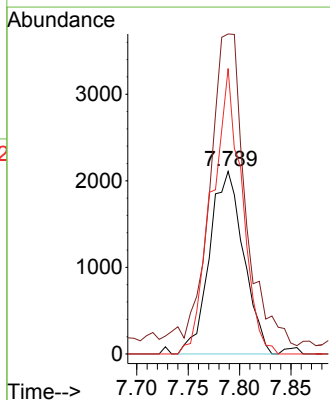
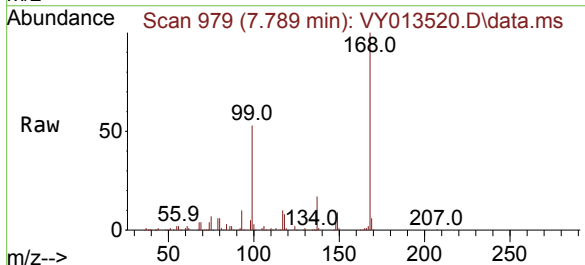
Instrument :
MSVOA_Y
ClientSampleId :
BU-512-VOC-02

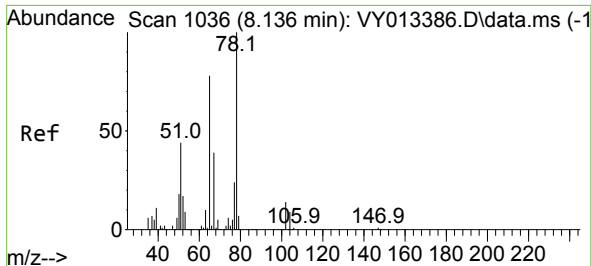
Tgt Ion:	84	Resp:	20249
Ion	Ratio	Lower	Upper
84	100		
49	137.9	88.0	132.0#
51	39.2	27.4	41.0
86	61.9	50.4	75.6



#31
Cyclohexane
Concen: 1.129 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY013520.D
Acq: 28 Apr 2023 12:57

Tgt Ion:	56	Resp:	4860
Ion	Ratio	Lower	Upper
56	100		
69	160.6	29.2	43.8#
84	156.3	73.0	109.6#





#33

1,2-Dichloroethane-d4

Concen: 67.914 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY013520.D

Acq: 28 Apr 2023 12:57

Instrument :

MSVOA_Y

ClientSampleId :

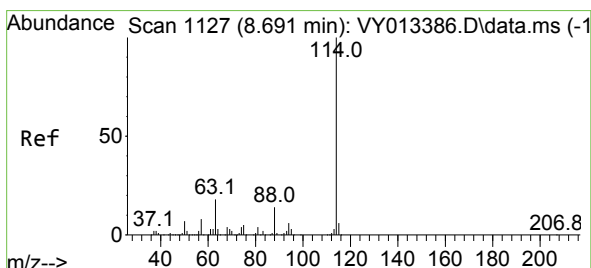
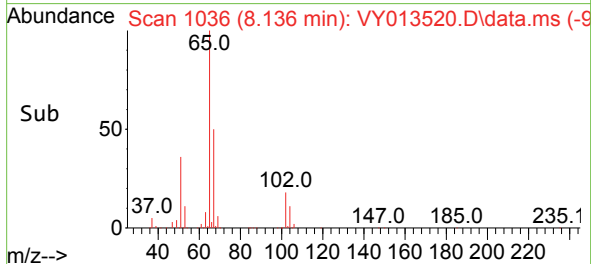
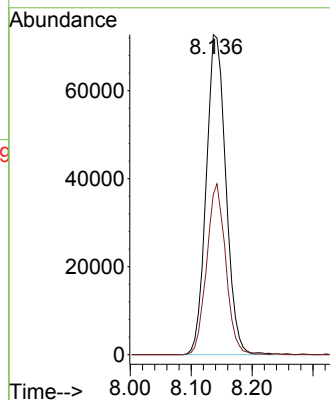
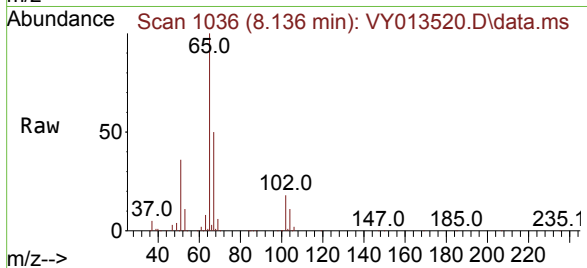
BU-512-VOC-02

Tgt Ion: 65 Resp: 163247

Ion Ratio Lower Upper

65 100

67 51.6 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: VY013520.D

Acq: 28 Apr 2023 12:57

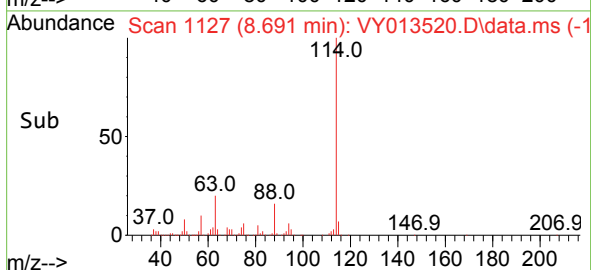
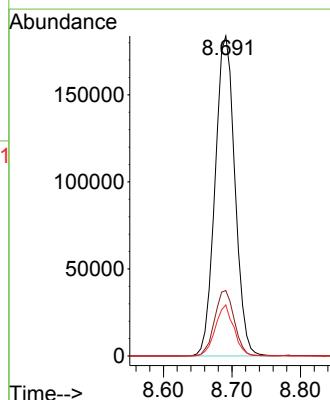
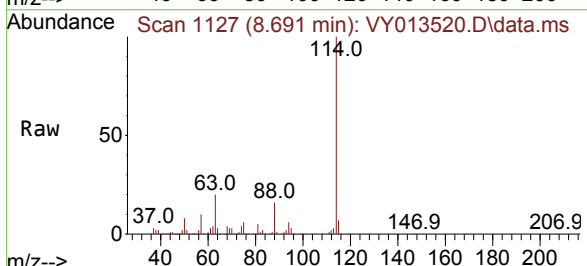
Tgt Ion: 114 Resp: 369155

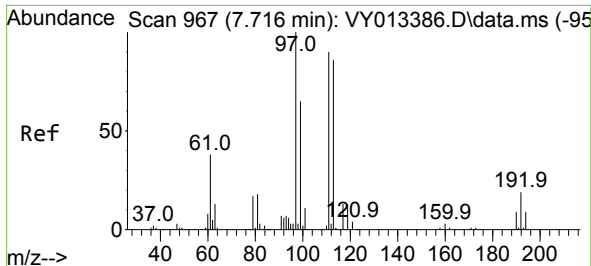
Ion Ratio Lower Upper

114 100

63 20.5 0.0 36.6

88 15.9 0.0 28.8

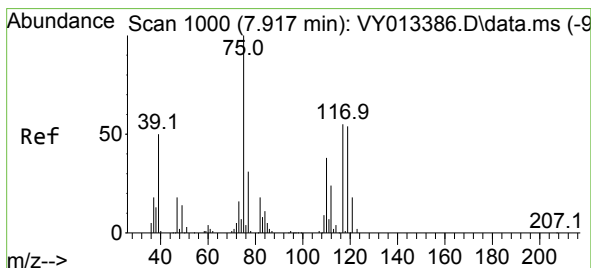
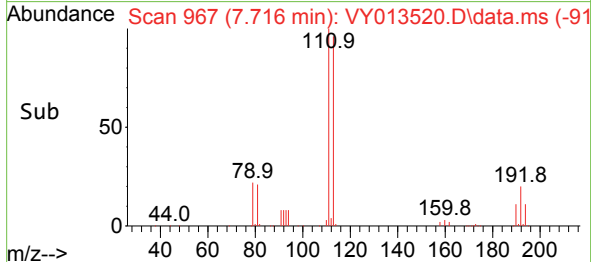
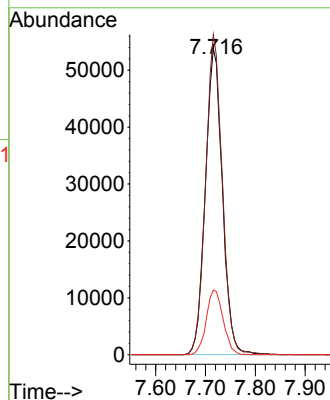
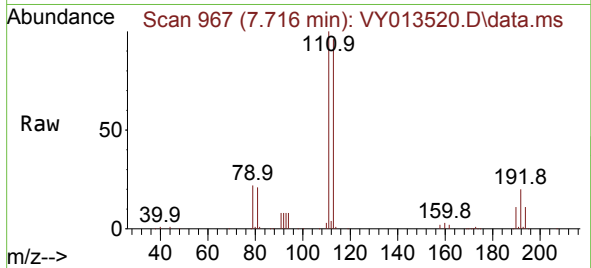




#35
Dibromofluoromethane
Concen: 55.003 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY013520.D
Acq: 28 Apr 2023 12:57

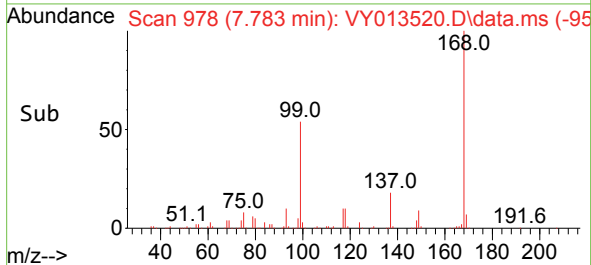
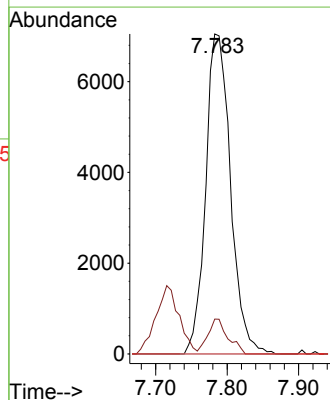
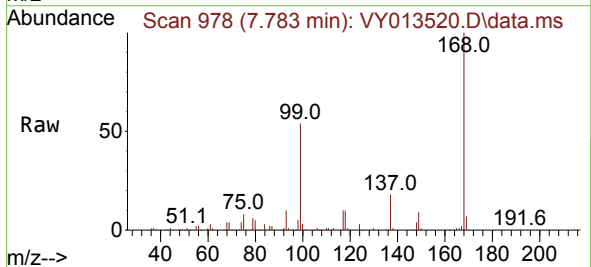
Instrument :
MSVOA_Y
ClientSampleId :
BU-512-VOC-02

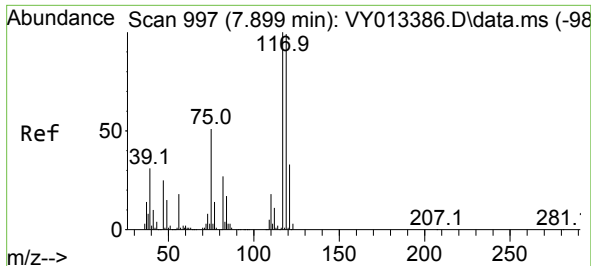
Tgt Ion:113 Resp: 127707
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.2
192 20.9 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.418 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY013520.D
Acq: 28 Apr 2023 12:57

Tgt Ion: 75 Resp: 17026
Ion Ratio Lower Upper
75 100
110 8.8 18.7 56.1#
77 0.0 24.6 37.0#

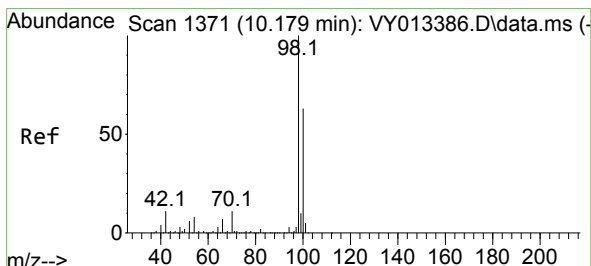
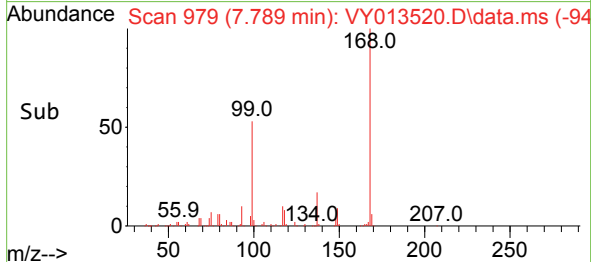
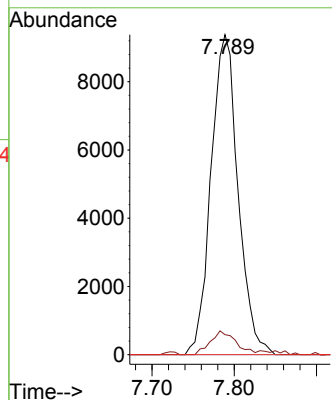
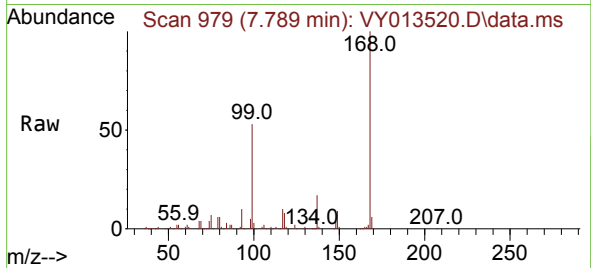




#38
Carbon Tetrachloride
Concen: 5.295 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013520.D
Acq: 28 Apr 2023 12:57

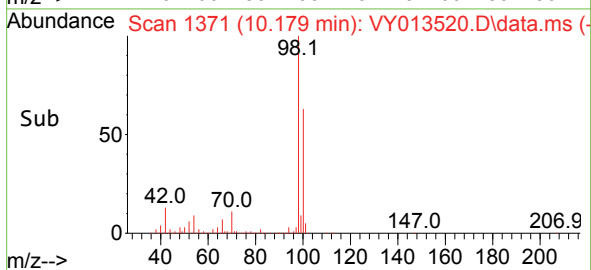
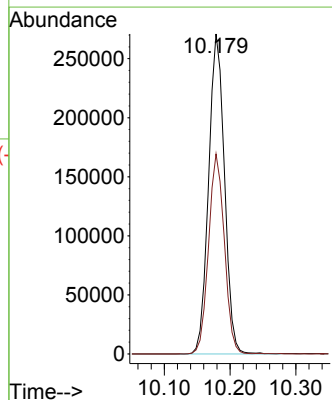
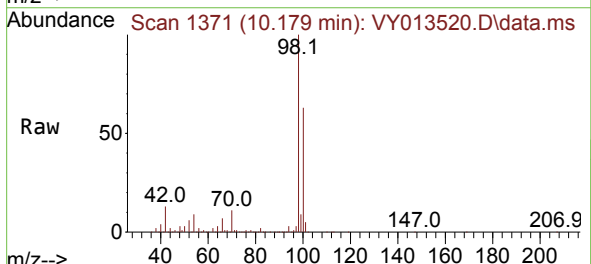
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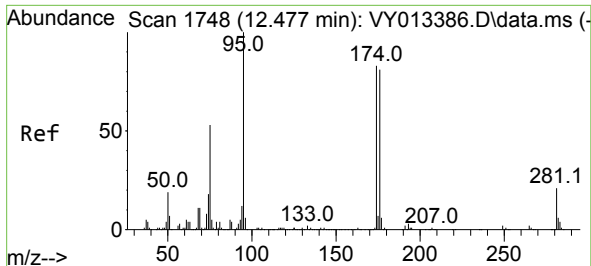
Tgt Ion:117 Resp: 21384
Ion Ratio Lower Upper
117 100
119 6.3 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 55.122 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013520.D
Acq: 28 Apr 2023 12:57

Tgt Ion: 98 Resp: 455285
Ion Ratio Lower Upper
98 100
100 62.2 50.5 75.7

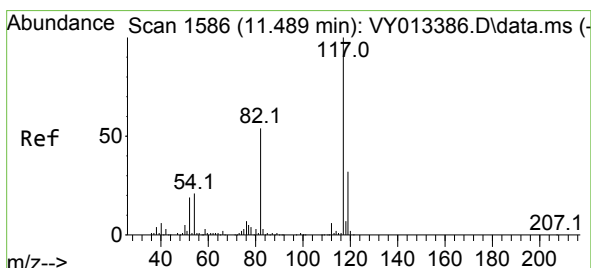
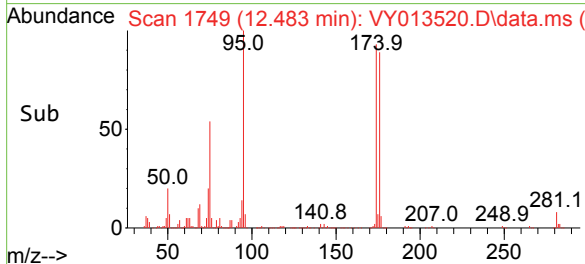
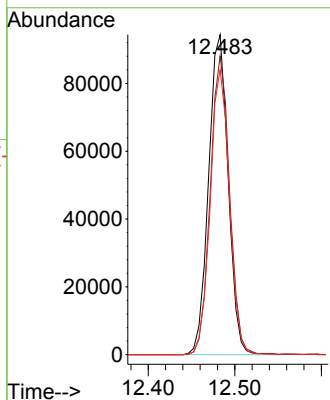
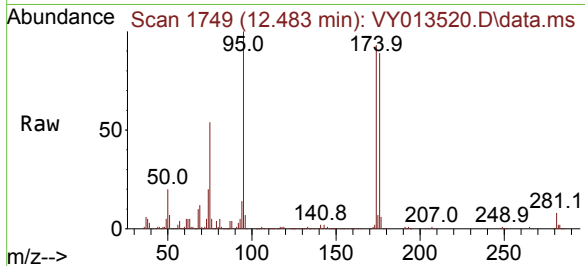




#62
4-Bromofluorobenzene
Concen: 53.154 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY013520.D
Acq: 28 Apr 2023 12:57

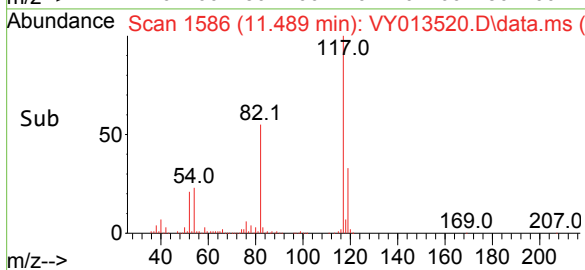
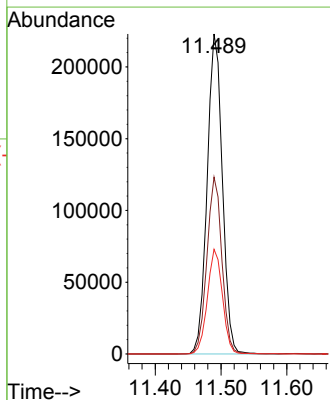
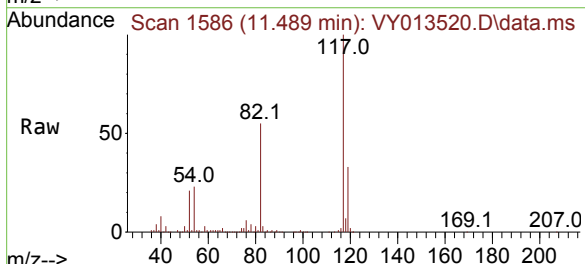
Instrument :
MSVOA_Y
ClientSampleId :
BU-512-VOC-02

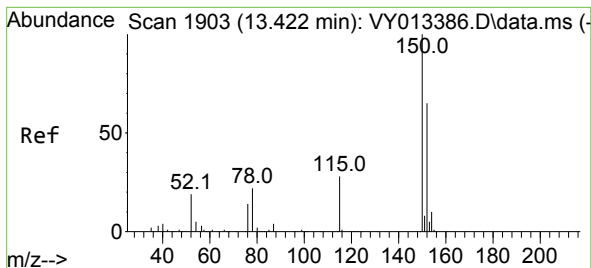
Tgt Ion: 95 Resp: 148008
Ion Ratio Lower Upper
95 100
174 92.2 0.0 182.0
176 87.7 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013520.D
Acq: 28 Apr 2023 12:57

Tgt Ion: 117 Resp: 358697
Ion Ratio Lower Upper
117 100
82 55.3 43.0 64.6
119 32.7 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: VY013520.D

Acq: 28 Apr 2023 12:57

Instrument :

MSVOA_Y

ClientSampleId :

BU-512-VOC-02

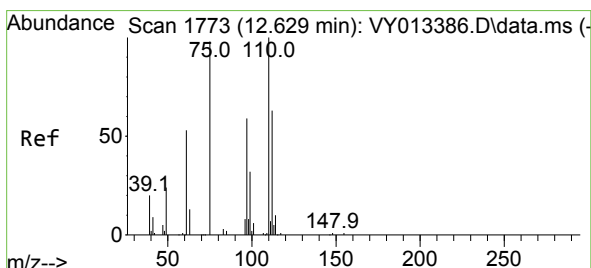
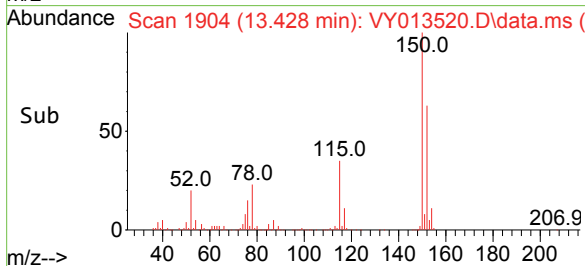
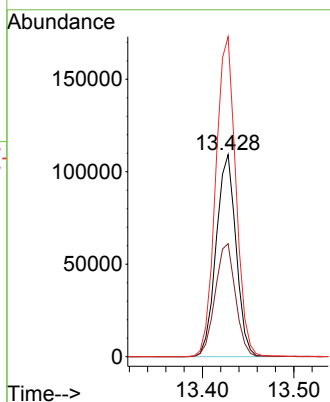
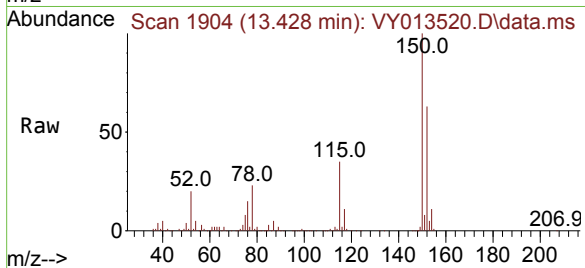
Tgt Ion:152 Resp: 165321

Ion Ratio Lower Upper

152 100

115 57.5 28.1 84.2

150 160.7 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 35.286 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY013520.D

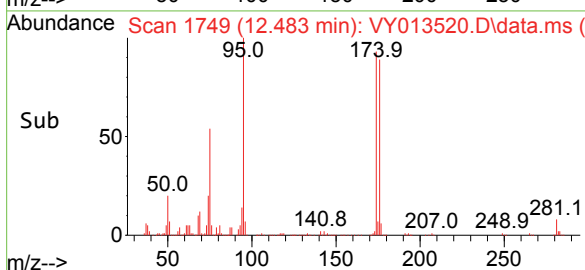
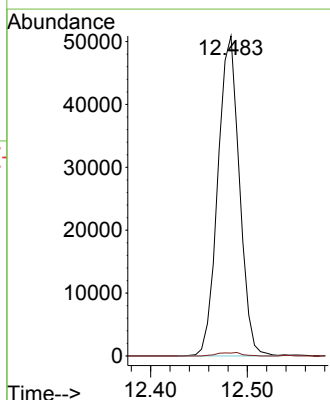
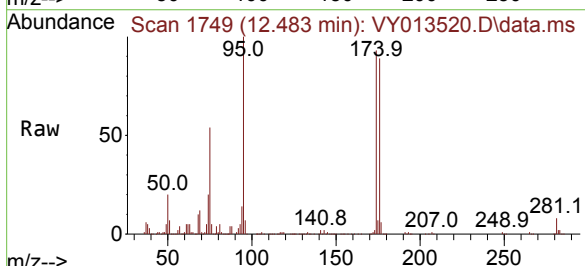
Acq: 28 Apr 2023 12:57

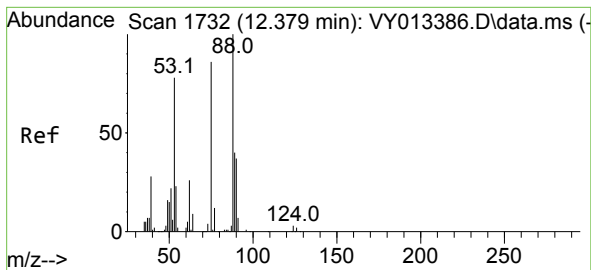
Tgt Ion: 75 Resp: 78672

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.179 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY013520.D
 Acq: 28 Apr 2023 12:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-512-VOC-02

Tgt Ion: 75 Resp: 78672
 Ion Ratio Lower Upper
 75 100
 53 0.1 73.2 109.8#
 89 0.3 38.0 57.0#

