

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050923\
 Data File : VY013671.D
 Acq On : 09 May 2023 16:22
 Operator : KP/MD
 Sample : 02691-01
 Misc : 4.84g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AU-504-VOC-06

Quant Time: May 10 05:39:22 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)

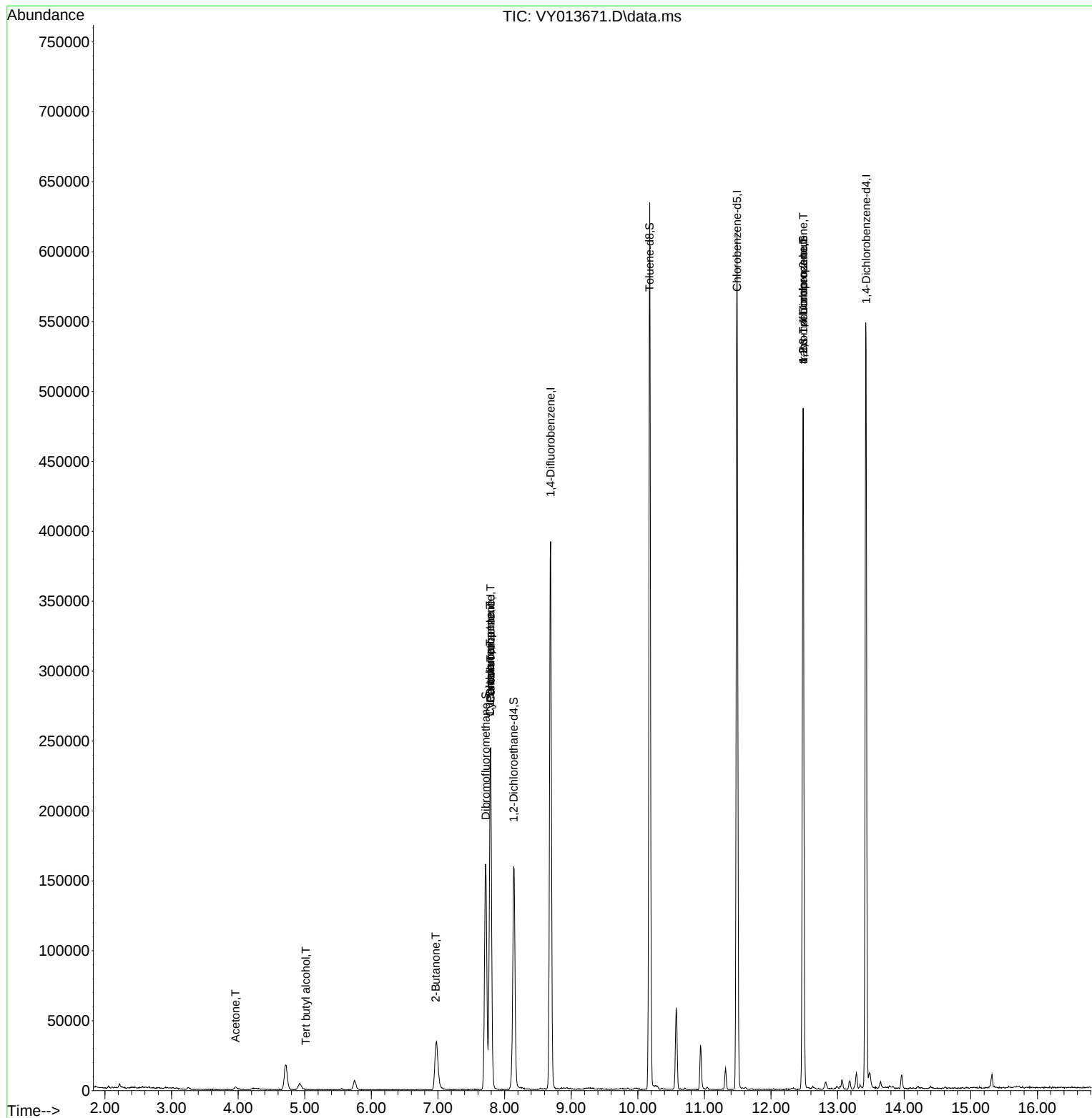
Internal Standards						
1) Pentafluorobenzene	7.789	168	192892	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	326688	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	322230	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	143607	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	131260	62.075	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 124.160%		
35) Dibromofluoromethane	7.716	113	111931	54.475	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 108.960%		
50) Toluene-d8	10.179	98	399181	54.611	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 109.220%		
62) 4-Bromofluorobenzene	12.483	95	128348	52.085	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 104.160%		
Target Compounds						
11) Tert butyl alcohol	5.015	59	202	1.496	ug/l #	89
13) Acrolein	3.784	56	51	Below Cal	#	16
16) Acetone	3.960	43	4043	4.855	ug/l #	80
20) Methylene Chloride	4.716	84	13694	Below Cal		91
25) 2-Butanone	6.966	43	2319	2.196	ug/l #	47
31) Cyclohexane	7.783	56	4419	1.167	ug/l #	45
36) 1,1-Dichloropropene	7.783	75	14952	4.385	ug/l #	49
38) Carbon Tetrachloride	7.789	117	19173	5.364	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	68955	35.604	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	68955	72.830	ug/l #	13

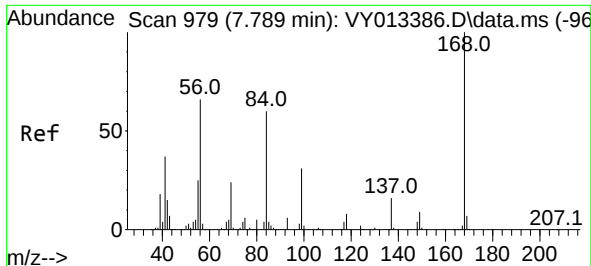
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050923\
Data File : VY013671.D
Acq On : 09 May 2023 16:22
Operator : KP/MD
Sample : 02691-01
Misc : 4.84g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
AU-504-VOC-06

Quant Time: May 10 05:39:22 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

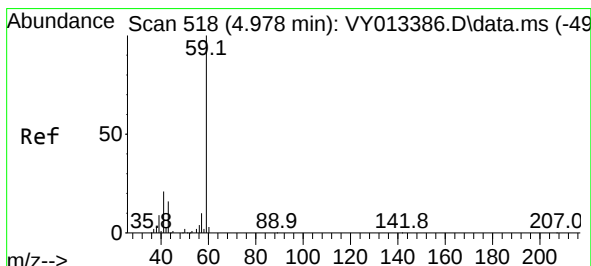
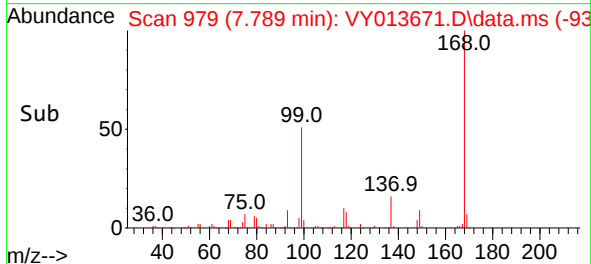
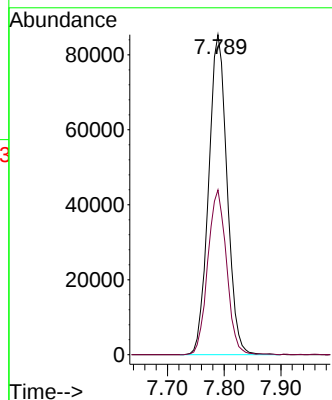
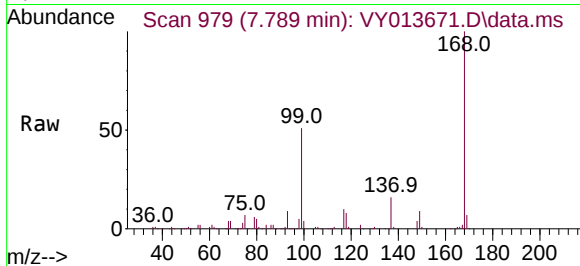




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013671.D
Acq: 09 May 2023 16:22

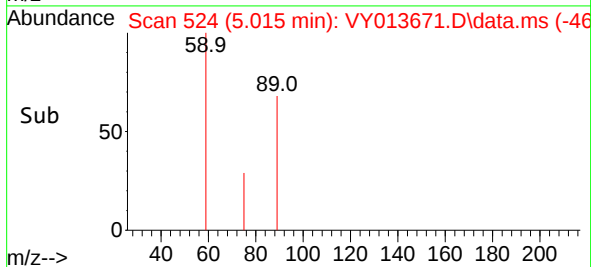
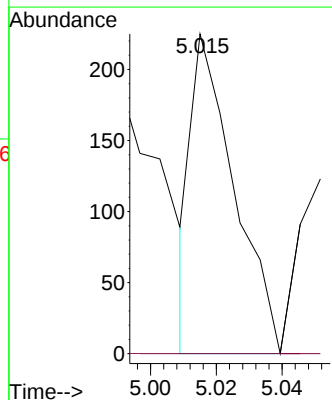
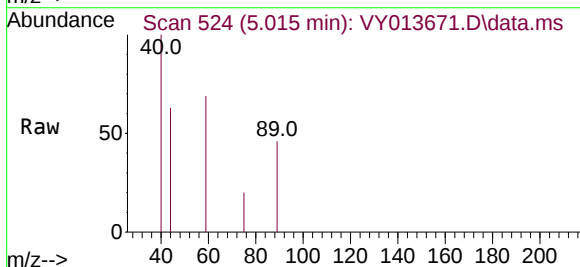
Instrument :
MSVOA_Y
ClientSampleId :
AU-504-VOC-06

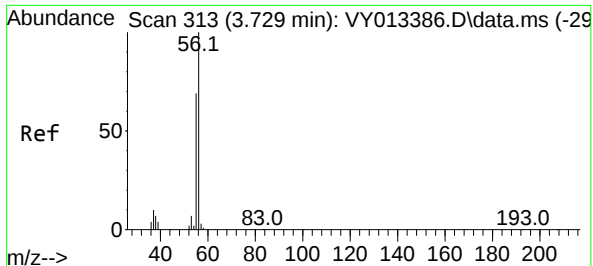
Tgt Ion:168 Resp: 192892
Ion Ratio Lower Upper
168 100
99 51.5 41.8 62.6



#11
Tert butyl alcohol
Concen: 1.496 ug/l
RT: 5.015 min Scan# 524
Delta R.T. 0.037 min
Lab File: VY013671.D
Acq: 09 May 2023 16:22

Tgt Ion: 59 Resp: 202
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

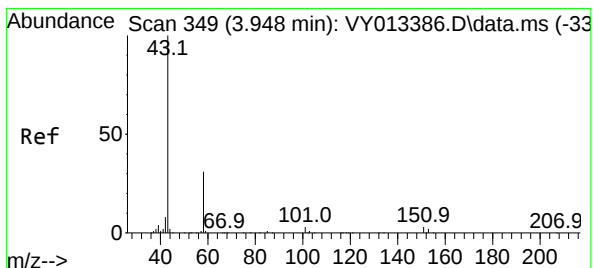
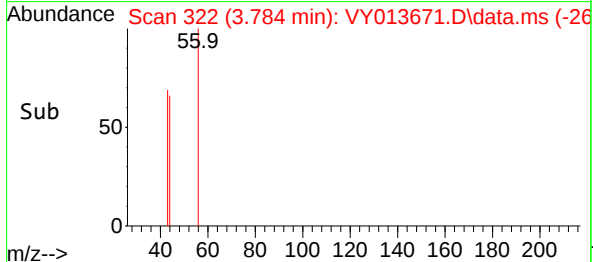
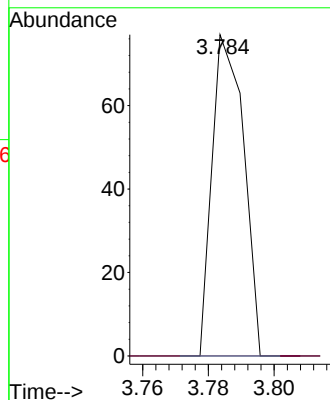
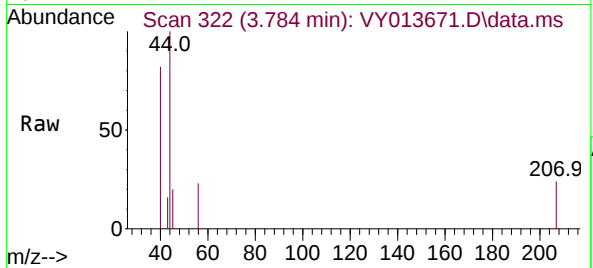




#13
Acrolein
Concen: Below Cal
RT: 3.784 min Scan# 31
Delta R.T. 0.055 min
Lab File: VY013671.D
Acq: 09 May 2023 16:22

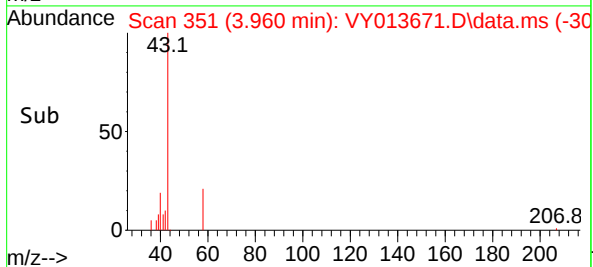
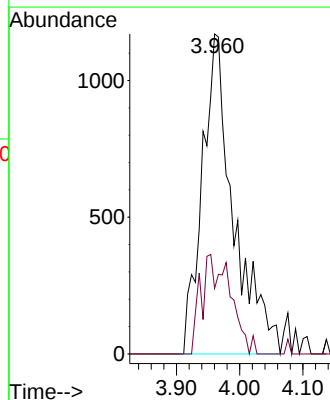
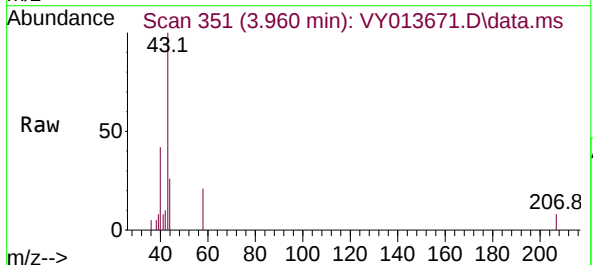
Instrument :
MSVOA_Y
ClientSampleId :
AU-504-VOC-06

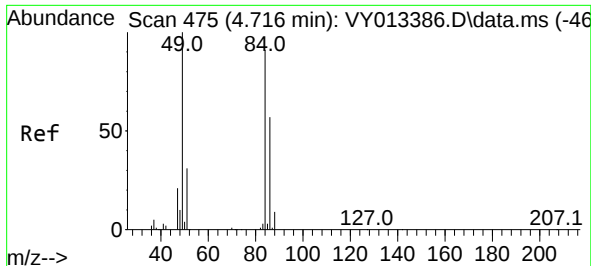
Tgt Ion: 56 Resp: 51
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



#16
Acetone
Concen: 4.855 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.012 min
Lab File: VY013671.D
Acq: 09 May 2023 16:22

Tgt Ion: 43 Resp: 4043
Ion Ratio Lower Upper
43 100
58 20.5 25.4 38.0#

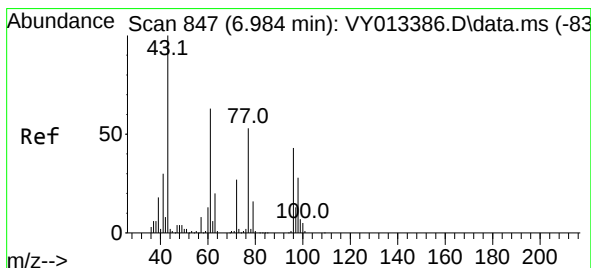
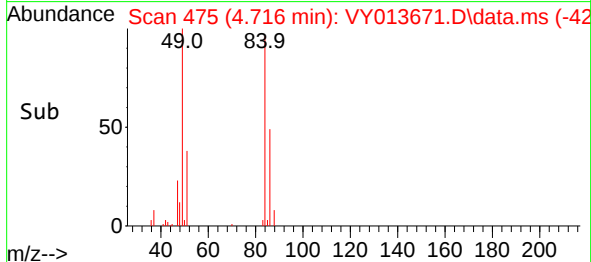
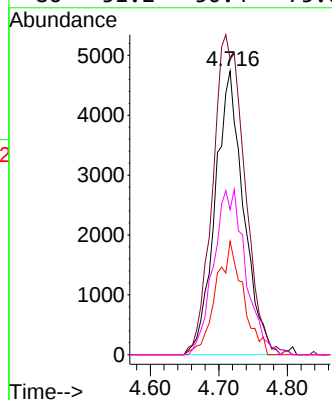
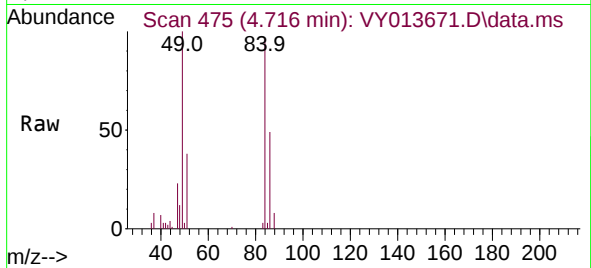




#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY013671.D
Acq: 09 May 2023 16:22

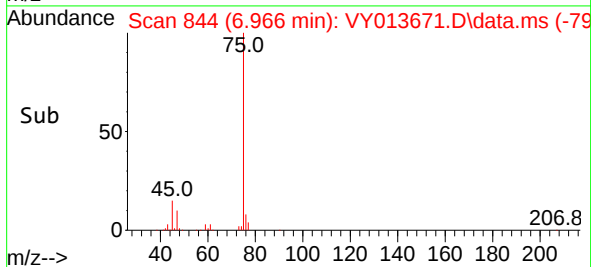
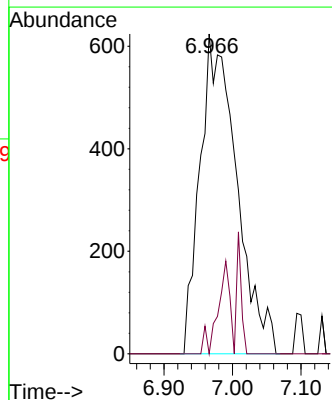
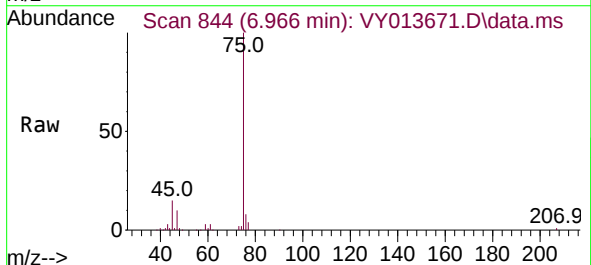
Instrument :
MSVOA_Y
ClientSampleId :
AU-504-VOC-06

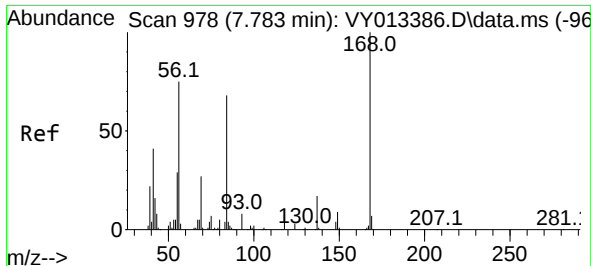
Tgt Ion:	84	Resp:	13694
Ion	Ratio	Lower	Upper
84	100		
49	104.3	88.0	132.0
51	39.9	27.4	41.0
86	51.2	50.4	75.6



#25
2-Butanone
Concen: 2.196 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.018 min
Lab File: VY013671.D
Acq: 09 May 2023 16:22

Tgt Ion:	43	Resp:	2319
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.9	32.9#

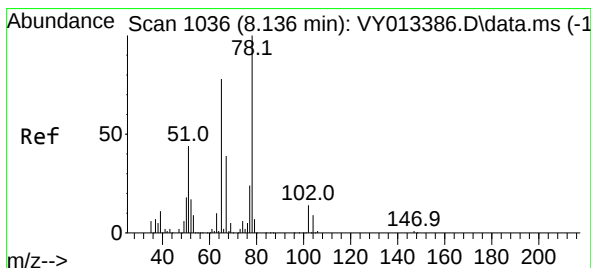
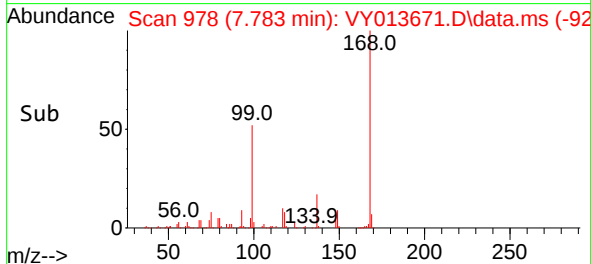
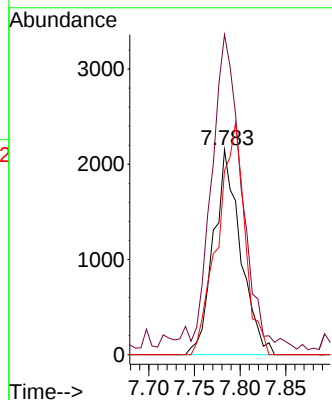
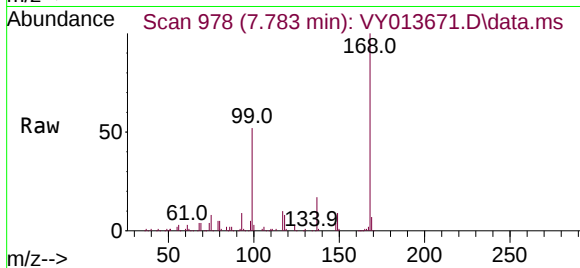




#31
Cyclohexane
Concen: 1.167 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013671.D
Acq: 09 May 2023 16:22

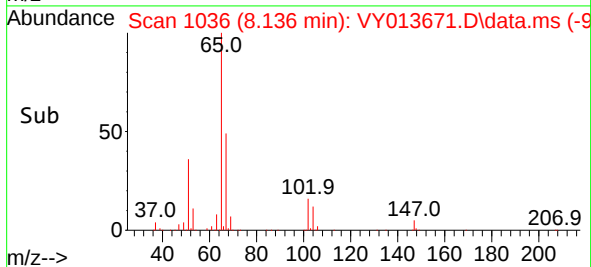
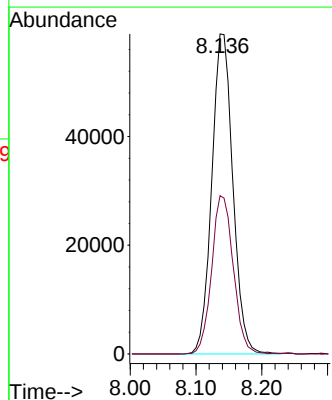
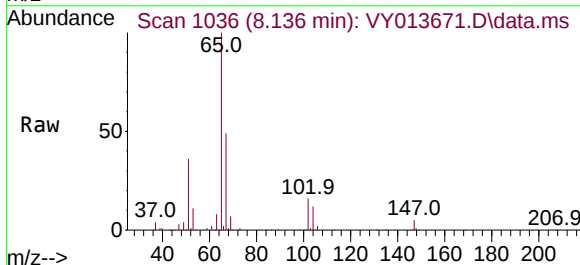
Instrument :
MSVOA_Y
ClientSampleId :
AU-504-VOC-06

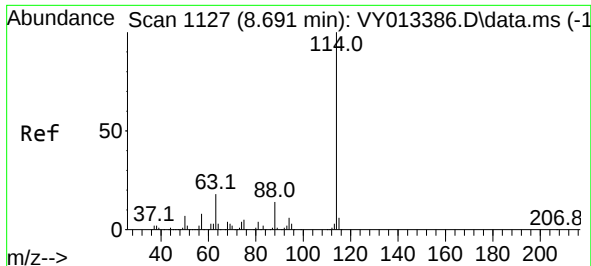
Tgt Ion: 56 Resp: 4419
Ion Ratio Lower Upper
56 100
69 148.4 29.2 43.8#
84 89.8 73.0 109.6



#33
1,2-Dichloroethane-d4
Concen: 62.075 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013671.D
Acq: 09 May 2023 16:22

Tgt Ion: 65 Resp: 131260
Ion Ratio Lower Upper
65 100
67 50.8 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: VY013671.D

Acq: 09 May 2023 16:22

Instrument :

MSVOA_Y

ClientSampleId :

AU-504-VOC-06

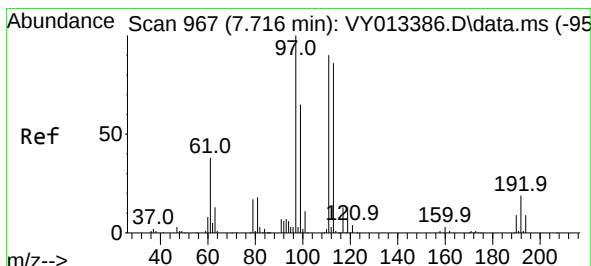
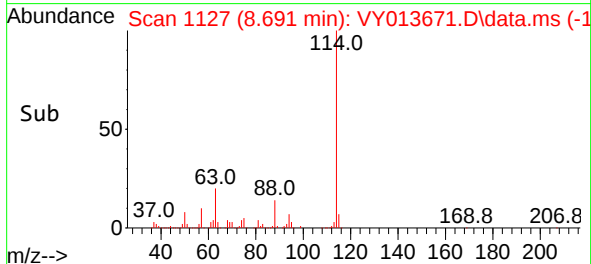
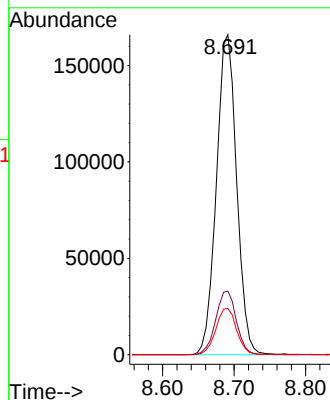
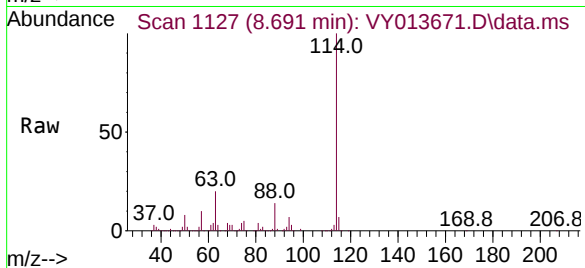
Tgt Ion:114 Resp: 326688

Ion Ratio Lower Upper

114 100

63 19.9 0.0 36.6

88 14.5 0.0 28.8



#35

Dibromofluoromethane

Concen: 54.475 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013671.D

Acq: 09 May 2023 16:22

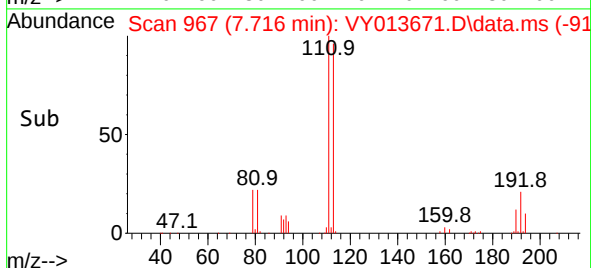
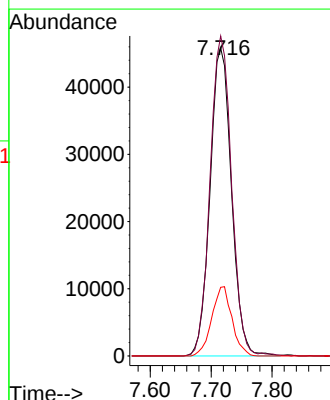
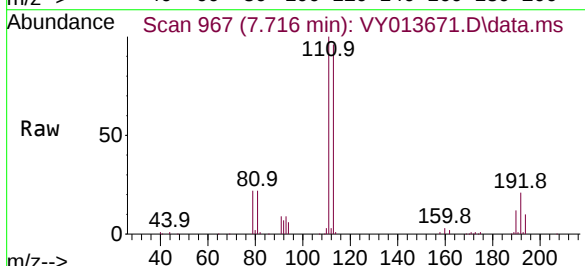
Tgt Ion:113 Resp: 111931

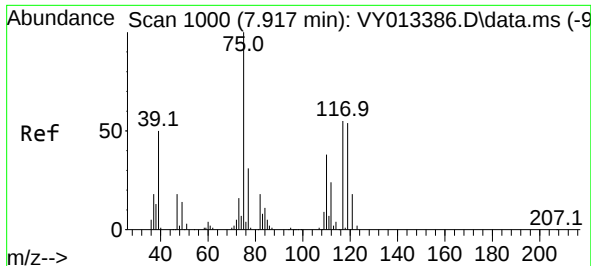
Ion Ratio Lower Upper

113 100

111 104.0 82.2 123.2

192 21.2 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.385 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY013671.D

Acq: 09 May 2023 16:22

Instrument :

MSVOA_Y

ClientSampleId :

AU-504-VOC-06

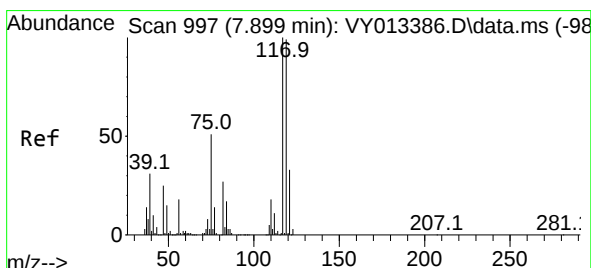
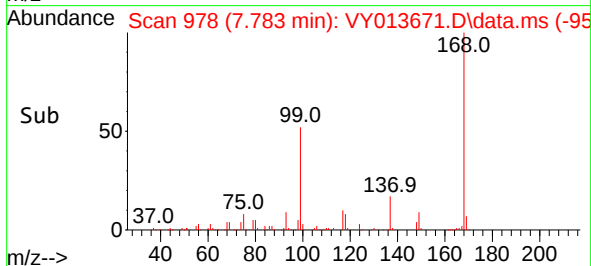
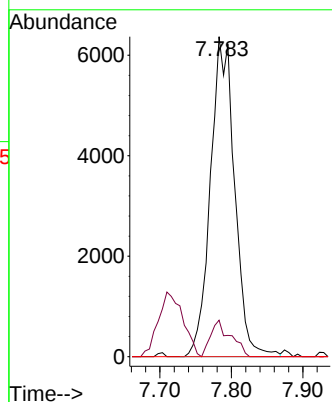
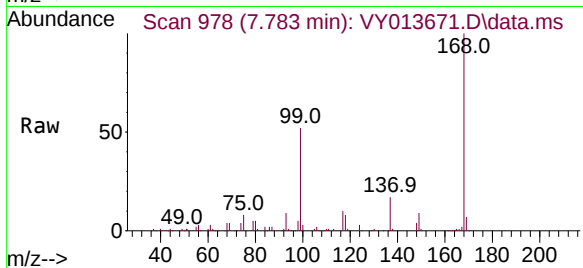
Tgt Ion: 75 Resp: 14952

Ion Ratio Lower Upper

75 100

110 9.5 18.7 56.1#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.364 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY013671.D

Acq: 09 May 2023 16:22

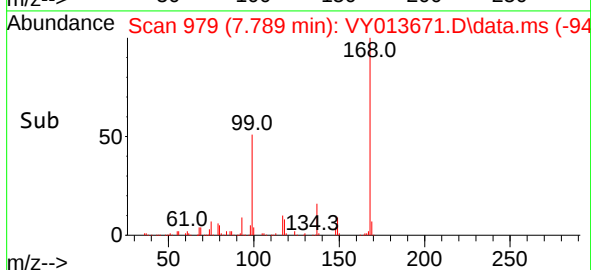
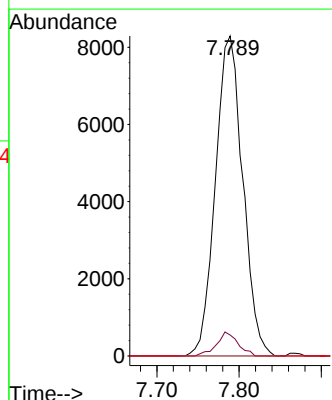
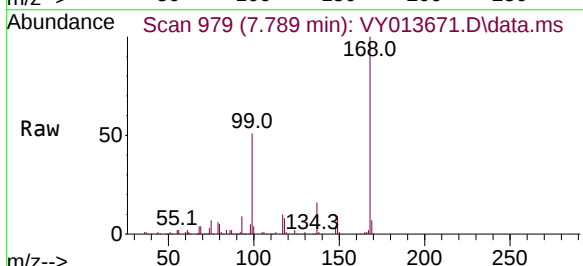
Tgt Ion: 117 Resp: 19173

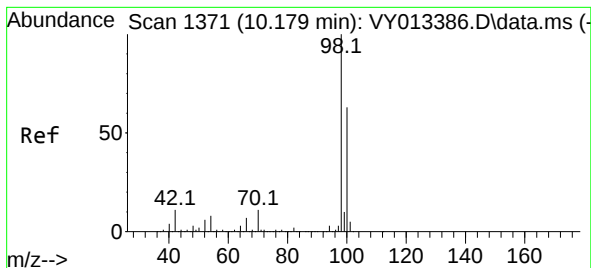
Ion Ratio Lower Upper

117 100

119 6.5 79.0 118.6#

121 0.0 26.6 40.0#





#50

Toluene-d8

Concen: 54.611 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013671.D

Acq: 09 May 2023 16:22

Instrument :

MSVOA_Y

ClientSampleId :

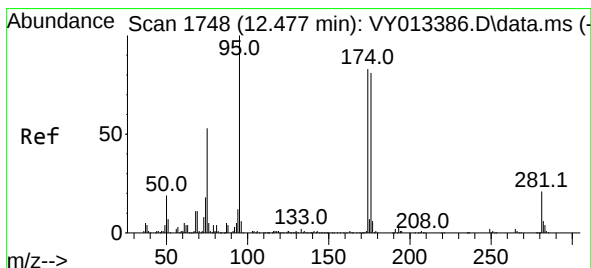
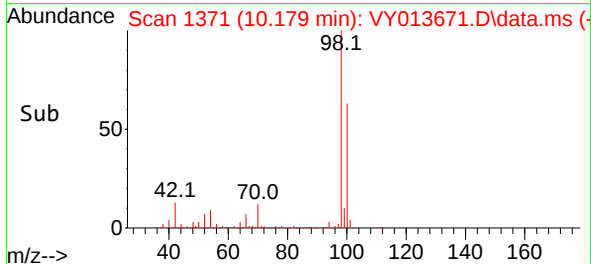
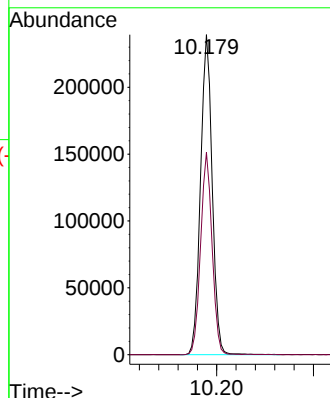
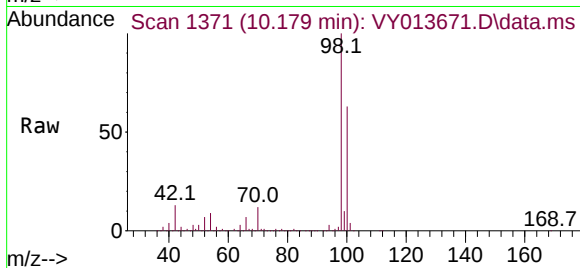
AU-504-VOC-06

Tgt Ion: 98 Resp: 399181

Ion Ratio Lower Upper

98 100

100 62.2 50.5 75.7



#62

4-Bromofluorobenzene

Concen: 52.085 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY013671.D

Acq: 09 May 2023 16:22

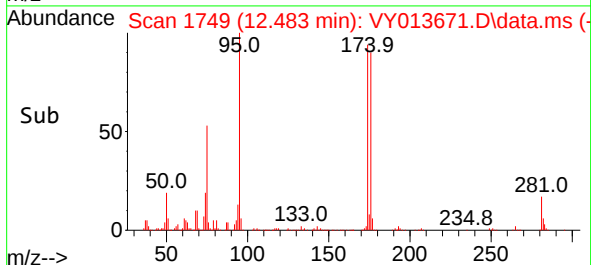
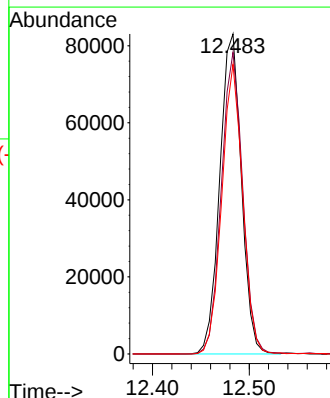
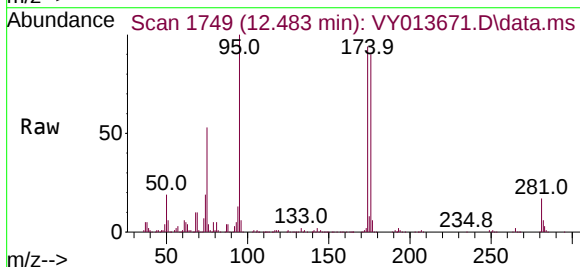
Tgt Ion: 95 Resp: 128348

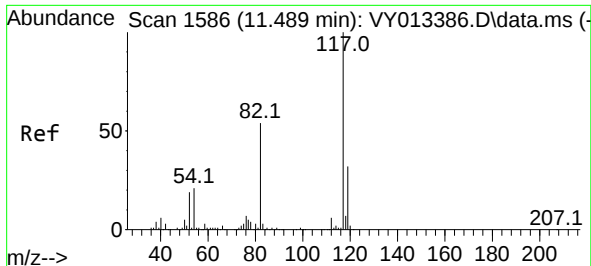
Ion Ratio Lower Upper

95 100

174 93.3 0.0 182.0

176 87.8 0.0 175.4

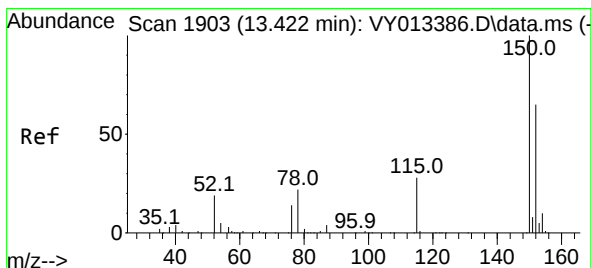
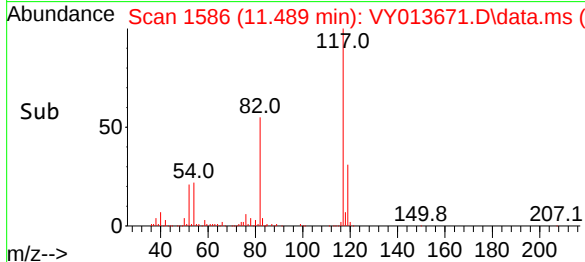
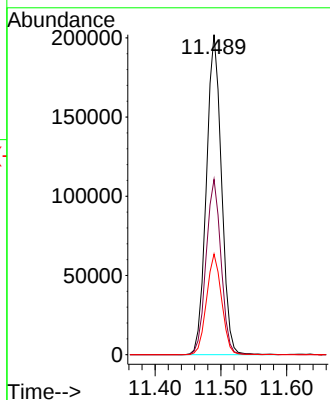
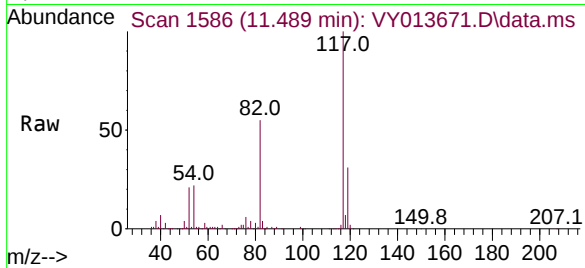




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013671.D
Acq: 09 May 2023 16:22

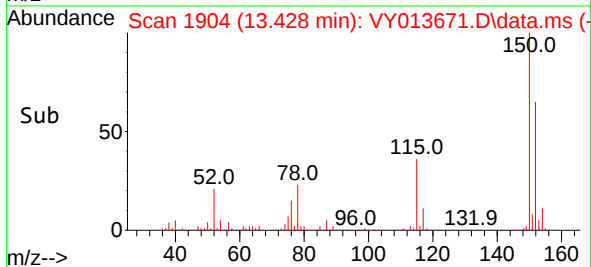
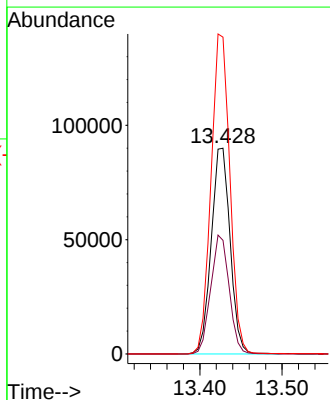
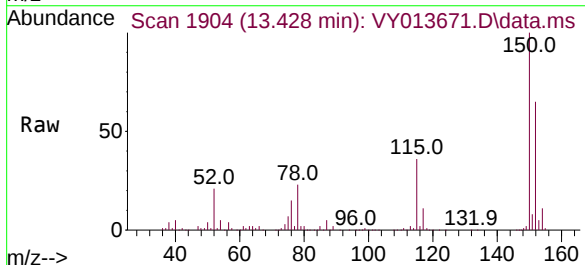
Instrument :
MSVOA_Y
ClientSampleId :
AU-504-VOC-06

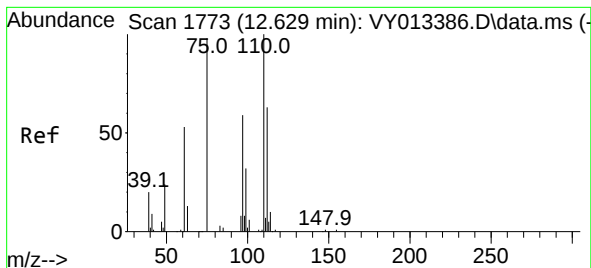
Tgt Ion:117 Resp: 322230
Ion Ratio Lower Upper
117 100
82 54.8 43.0 64.6
119 31.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY013671.D
Acq: 09 May 2023 16:22

Tgt Ion:152 Resp: 143607
Ion Ratio Lower Upper
152 100
115 56.4 28.1 84.2
150 155.2 0.0 352.0





#76

1,2,3-Trichloropropane

Concen: 35.604 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY013671.D

Acq: 09 May 2023 16:22

Instrument :

MSVOA_Y

ClientSampleId :

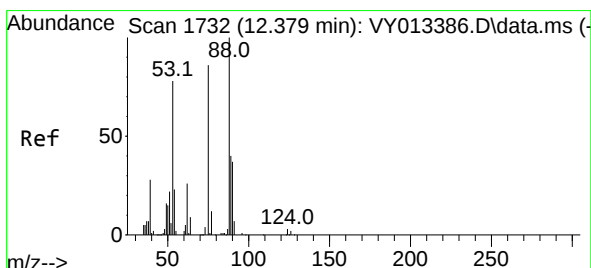
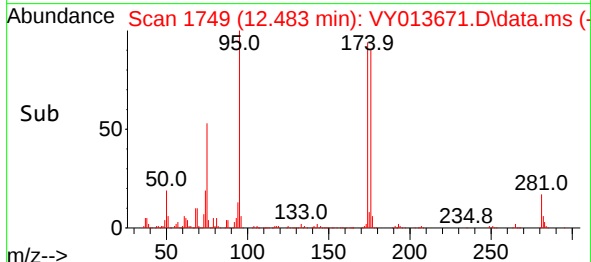
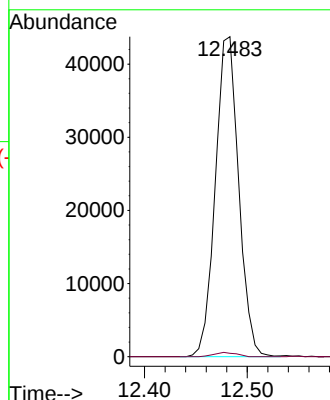
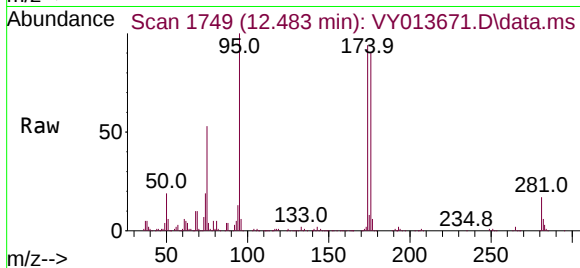
AU-504-VOC-06

Tgt Ion: 75 Resp: 68955

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.830 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.104 min

Lab File: VY013671.D

Acq: 09 May 2023 16:22

Tgt Ion: 75 Resp: 68955

Ion Ratio Lower Upper

75 100

53 0.4 73.2 109.8#

89 0.2 38.0 57.0#

