

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050923\
 Data File : VY013672.D
 Acq On : 09 May 2023 16:45
 Operator : KP/MD
 Sample : 02691-10
 Misc : 4.50g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AU-504-VOC-07

Quant Time: May 10 05:39:44 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)

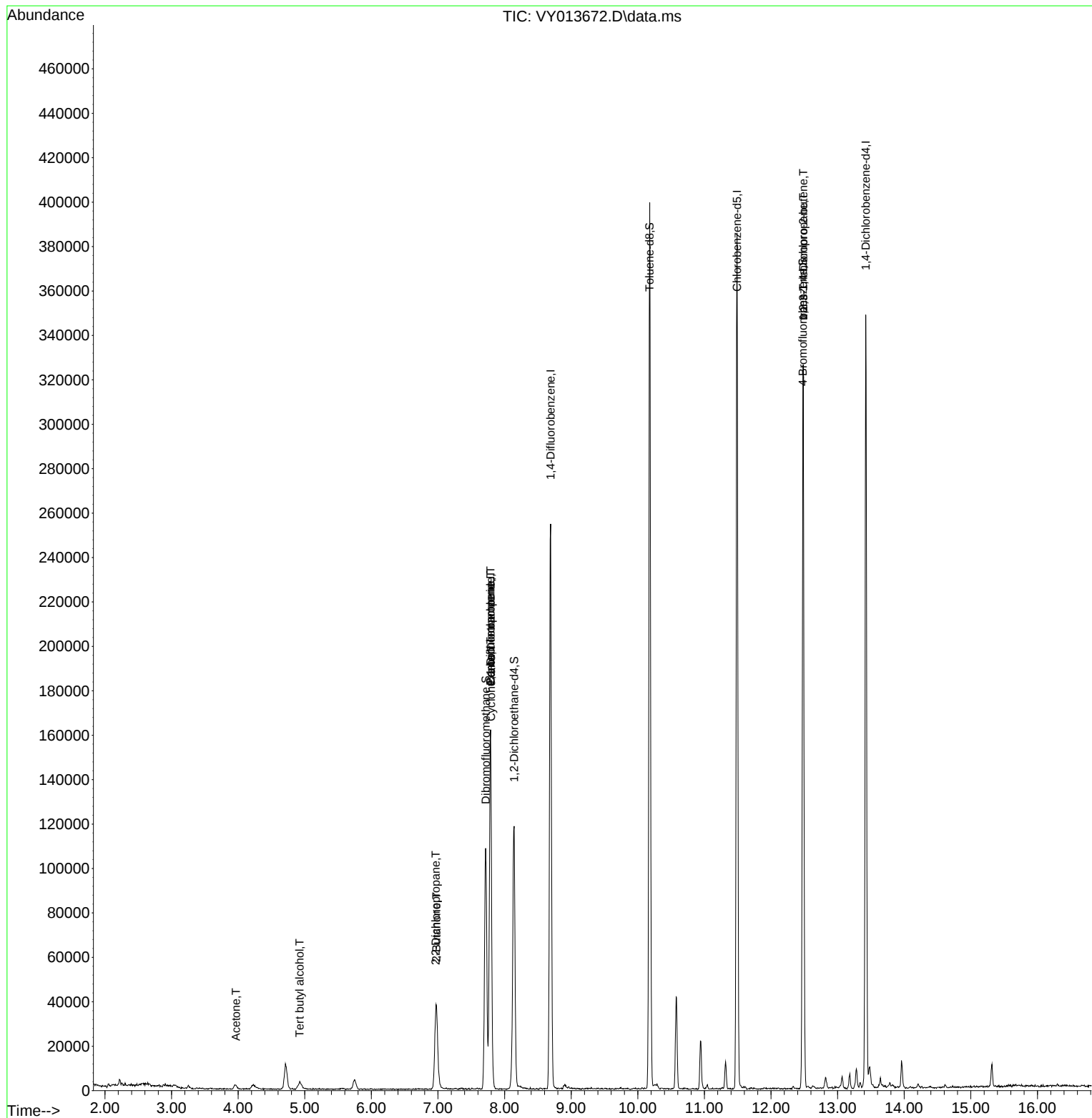
Internal Standards						
1) Pentafluorobenzene	7.789	168	124758	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	209805	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	207770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	90294	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	94799	69.317	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 138.640%			
35) Dibromofluoromethane	7.715	113	75496	57.212	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.420%			
50) Toluene-d8	10.178	98	255860	54.505	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 109.000%			
62) 4-Bromofluorobenzene	12.477	95	80300	50.741	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.480%			
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.923	59	3648	24.270	ug/l #	89
13) Acrolein	3.948	56	20	Below Cal	#	16
16) Acetone	3.966	43	4257	7.904	ug/l	94
20) Methylene Chloride	4.710	84	7571	Below Cal		98
25) 2-Butanone	6.978	43	2133	3.123	ug/l #	88
26) 2,2-Dichloropropane	6.966	77	2794	1.237	ug/l #	52
31) Cyclohexane	7.795	56	3141	1.283	ug/l #	30
36) 1,1-Dichloropropene	7.789	75	9937	4.537	ug/l #	49
38) Carbon Tetrachloride	7.789	117	12274	5.347	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	45309	37.208	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	45309	76.111	ug/l #	13

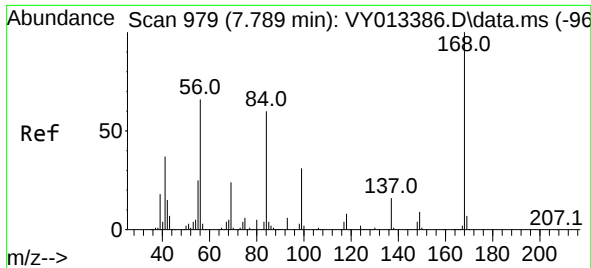
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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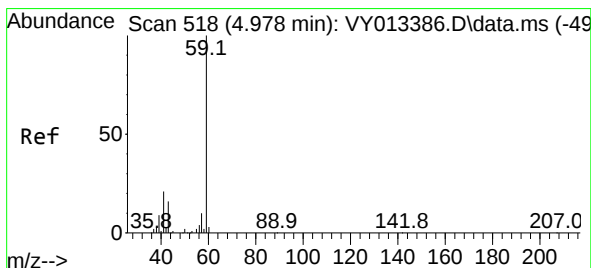
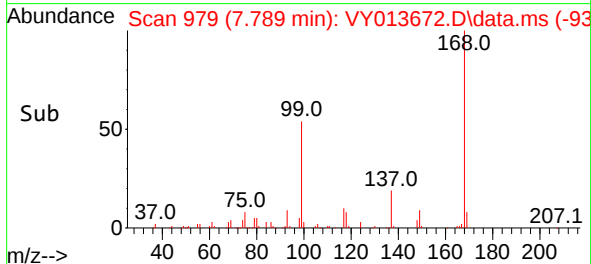
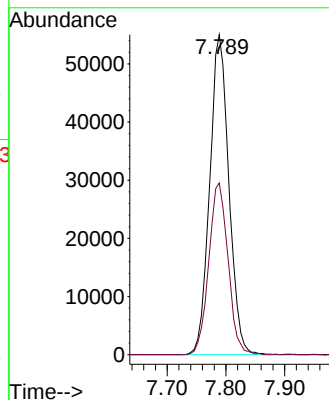
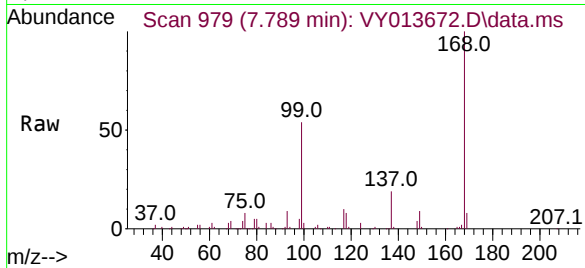




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013672.D
Acq: 09 May 2023 16:45

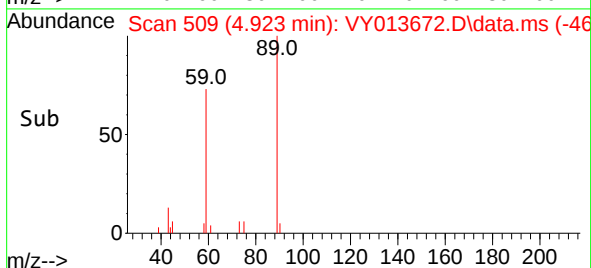
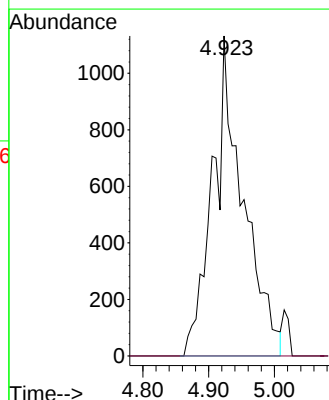
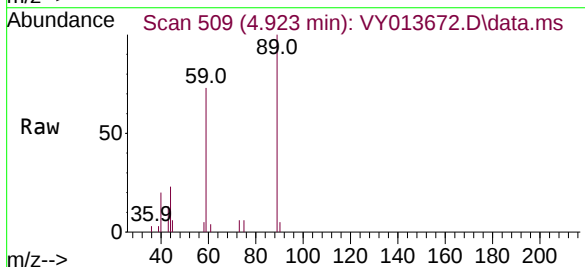
Instrument :
MSVOA_Y
ClientSampleId :
AU-504-VOC-07

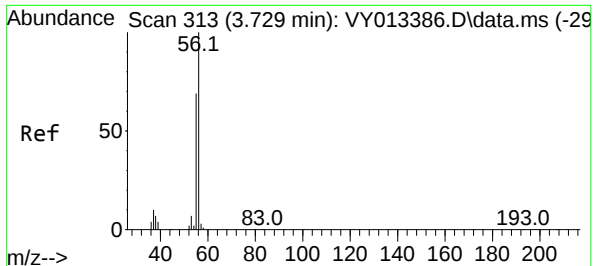
Tgt Ion:168 Resp: 124758
Ion Ratio Lower Upper
168 100
99 53.7 41.8 62.6



#11
Tert butyl alcohol
Concen: 24.270 ug/l
RT: 4.923 min Scan# 509
Delta R.T. -0.055 min
Lab File: VY013672.D
Acq: 09 May 2023 16:45

Tgt Ion: 59 Resp: 3648
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

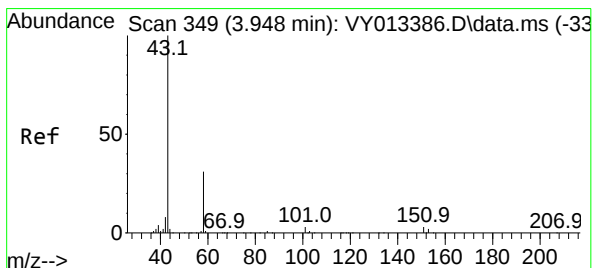
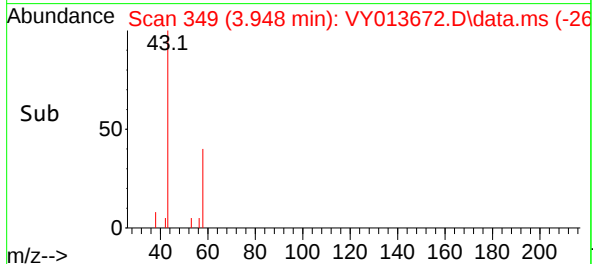
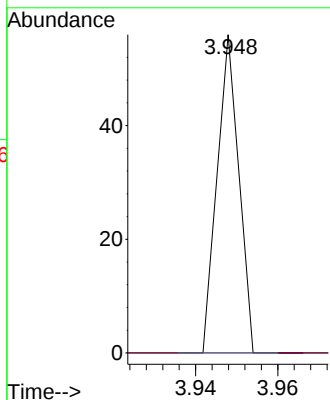
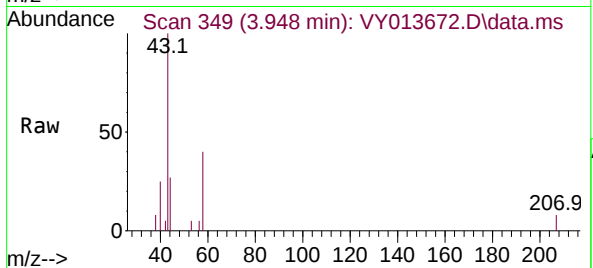




#13
Acrolein
Concen: Below Cal
RT: 3.948 min Scan# 341
Delta R.T. 0.219 min
Lab File: VY013672.D
Acq: 09 May 2023 16:45

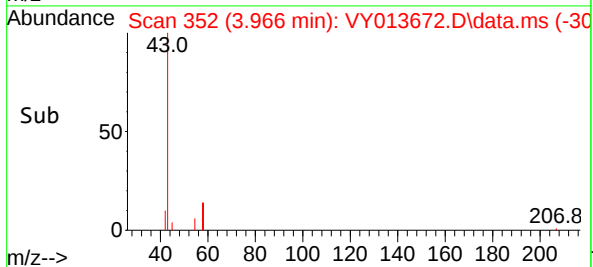
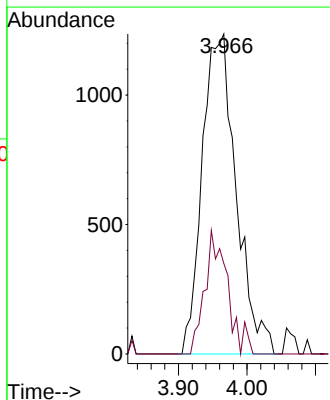
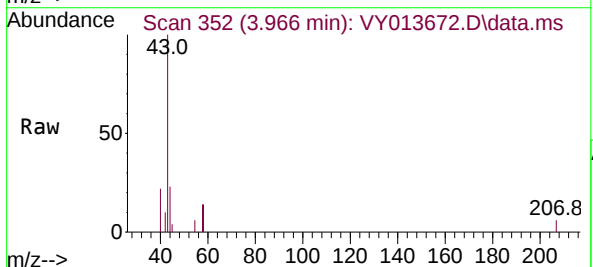
Instrument :
MSVOA_Y
ClientSampleId :
AU-504-VOC-07

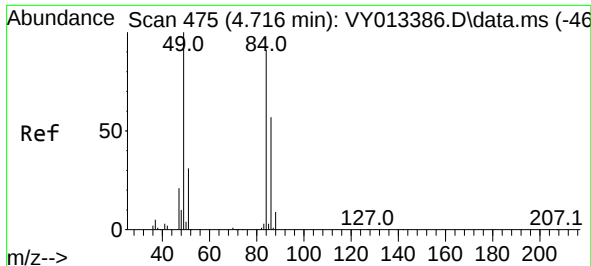
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



#16
Acetone
Concen: 7.904 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.018 min
Lab File: VY013672.D
Acq: 09 May 2023 16:45

Tgt Ion: 43 Resp: 4257
Ion Ratio Lower Upper
43 100
58 28.3 25.4 38.0

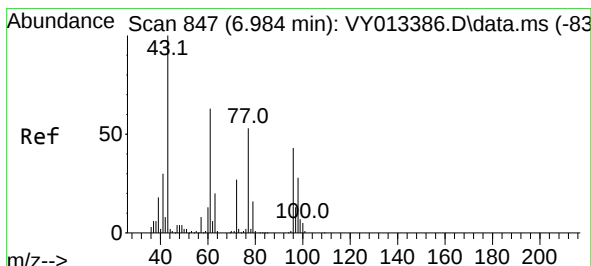
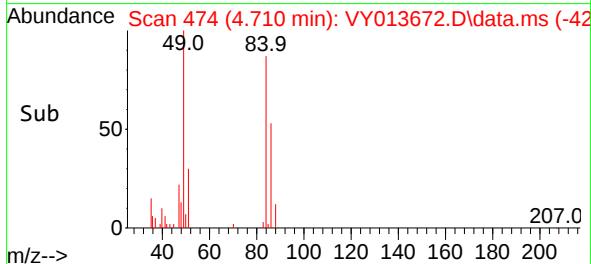
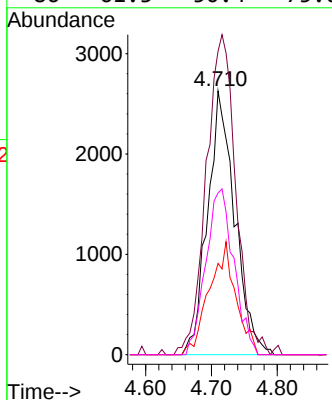
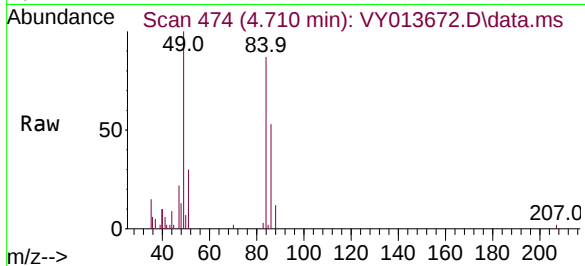




#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013672.D
Acq: 09 May 2023 16:45

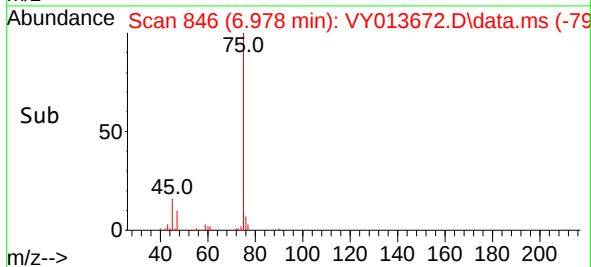
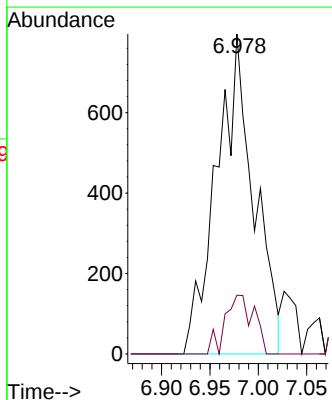
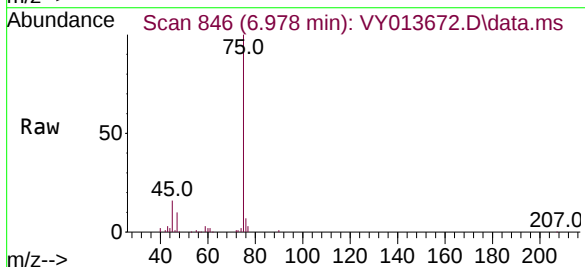
Instrument :
MSVOA_Y
ClientSampleId :
AU-504-VOC-07

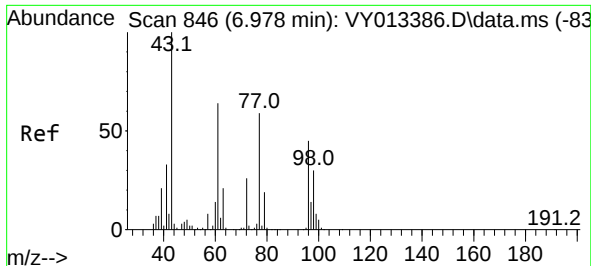
Tgt Ion:	84	Resp:	7571
Ion	Ratio	Lower	Upper
84	100		
49	112.4	88.0	132.0
51	34.6	27.4	41.0
86	61.3	50.4	75.6



#25
2-Butanone
Concen: 3.123 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY013672.D
Acq: 09 May 2023 16:45

Tgt Ion:	43	Resp:	2133
Ion	Ratio	Lower	Upper
43	100		
72	33.4	21.9	32.9





#26

2,2-Dichloropropane

Concen: 1.237 ug/l

RT: 6.966 min Scan# 846

Delta R.T. -0.012 min

Lab File: VY013672.D

Acq: 09 May 2023 16:45

Instrument :

MSVOA_Y

ClientSampleId :

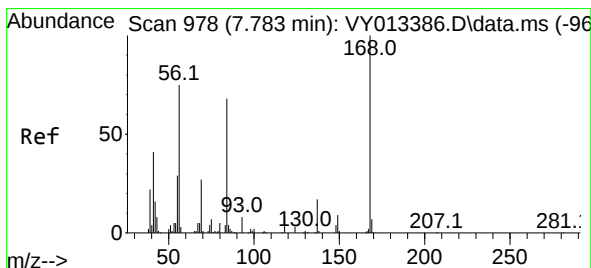
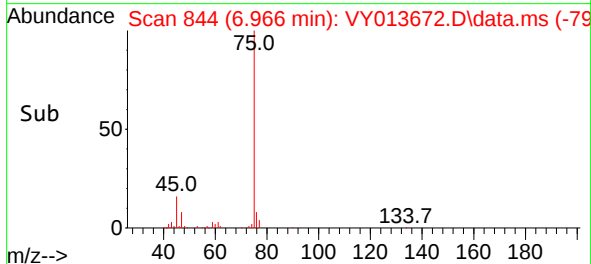
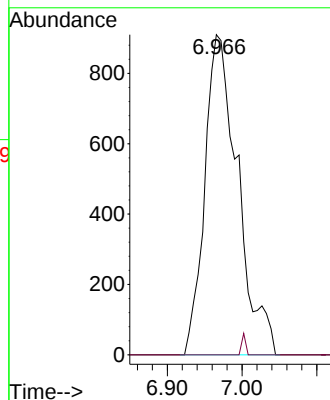
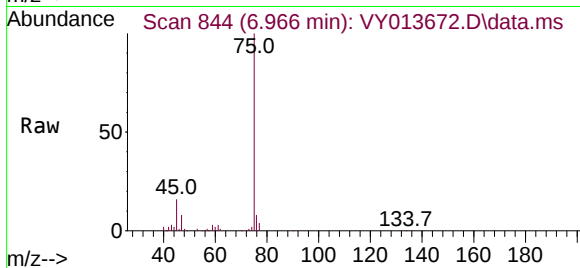
AU-504-VOC-07

Tgt Ion: 77 Resp: 2794

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#



#31

Cyclohexane

Concen: 1.283 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.012 min

Lab File: VY013672.D

Acq: 09 May 2023 16:45

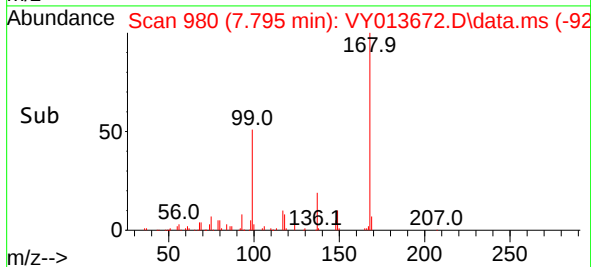
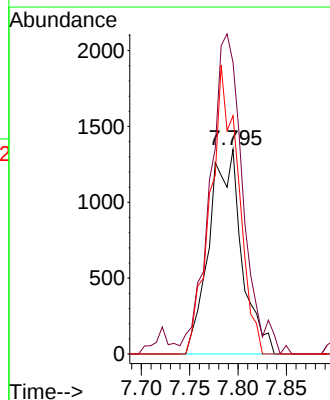
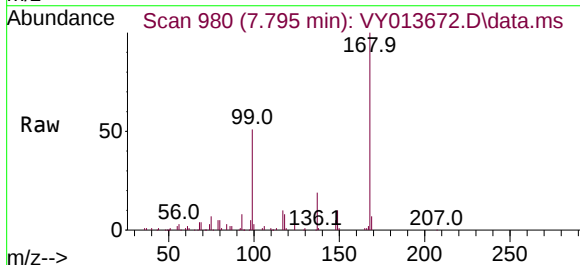
Tgt Ion: 56 Resp: 3141

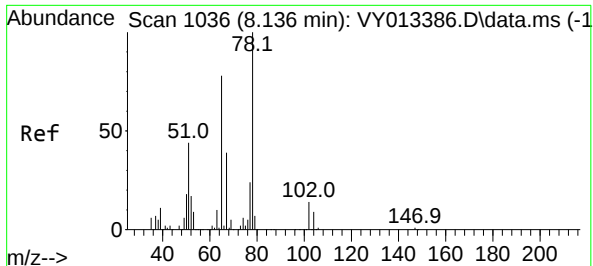
Ion Ratio Lower Upper

56 100

69 142.7 29.2 43.8#

84 116.5 73.0 109.6#





#33

1,2-Dichloroethane-d4

Concen: 69.317 ug/l

RT: 8.142 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VY013672.D

Acq: 09 May 2023 16:45

Instrument :

MSVOA_Y

ClientSampleId :

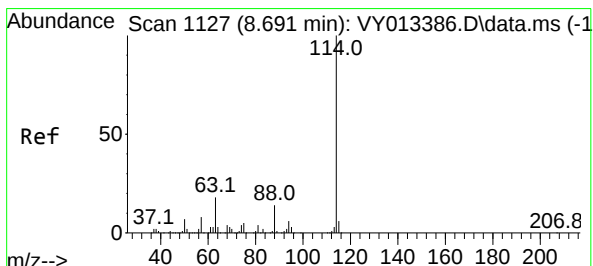
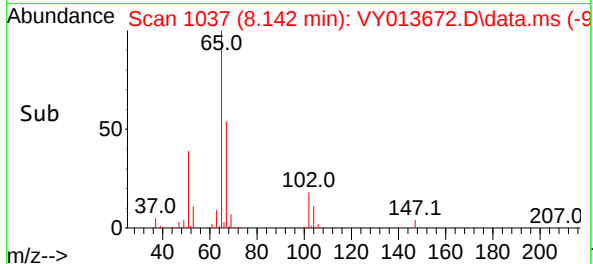
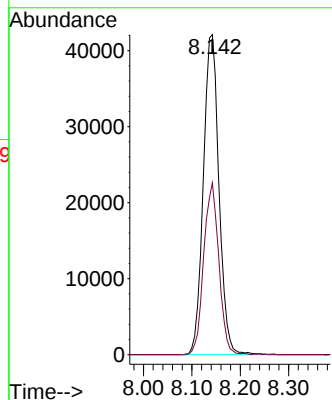
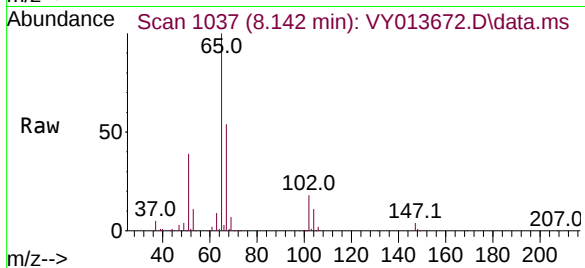
AU-504-VOC-07

Tgt Ion: 65 Resp: 94799

Ion Ratio Lower Upper

65 100

67 51.8 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: VY013672.D

Acq: 09 May 2023 16:45

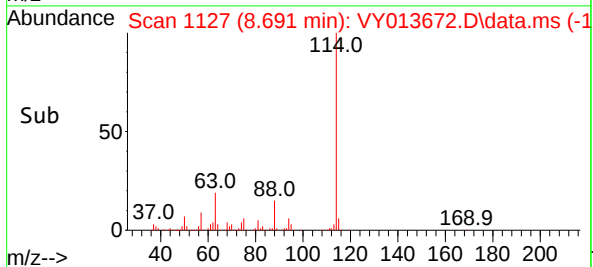
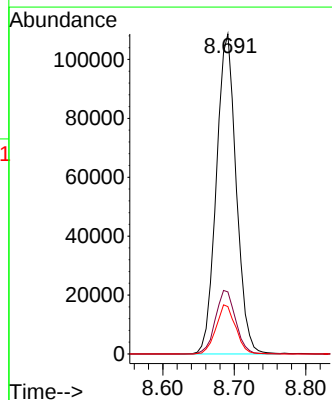
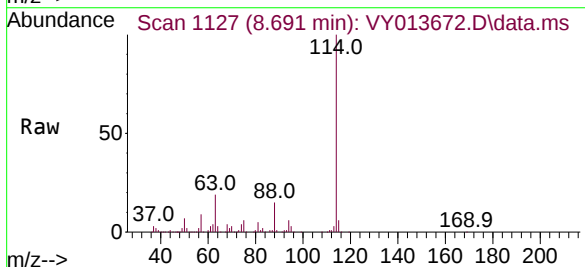
Tgt Ion: 114 Resp: 209805

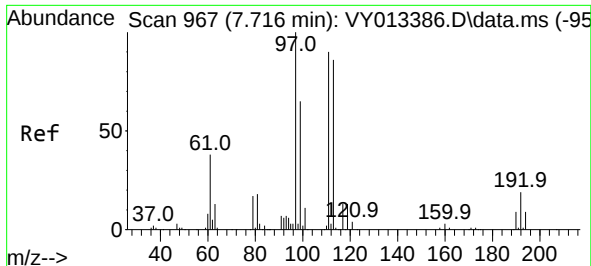
Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.6

88 14.8 0.0 28.8

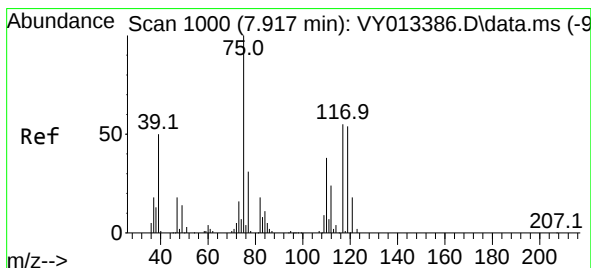
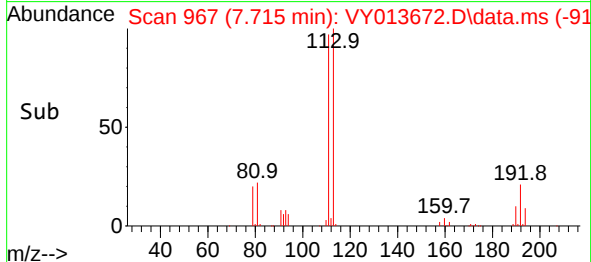
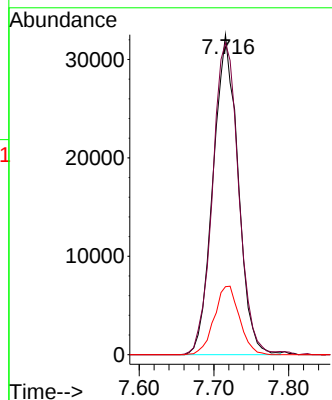
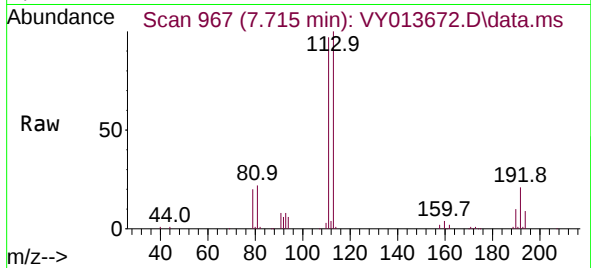




#35
Dibromofluoromethane
Concen: 57.212 ug/l
RT: 7.715 min Scan# 911
Delta R.T. -0.001 min
Lab File: VY013672.D
Acq: 09 May 2023 16:45

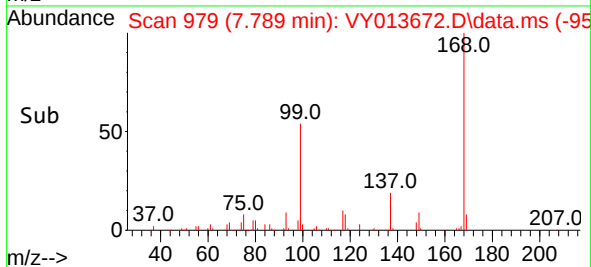
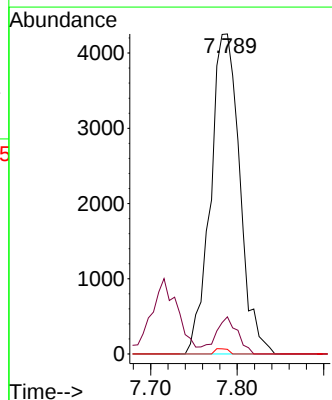
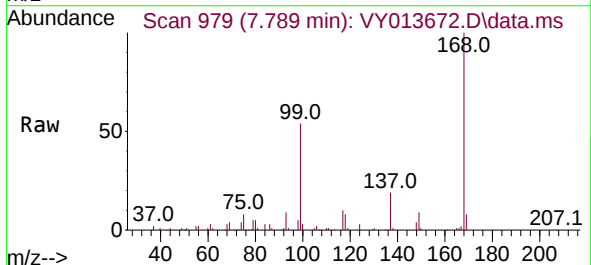
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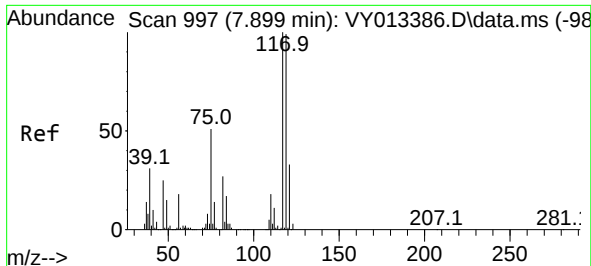
Tgt Ion:113 Resp: 75496
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.2
192 21.6 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.537 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013672.D
Acq: 09 May 2023 16:45

Tgt Ion: 75 Resp: 9937
Ion Ratio Lower Upper
75 100
110 8.6 18.7 56.1#
77 0.7 24.6 37.0#

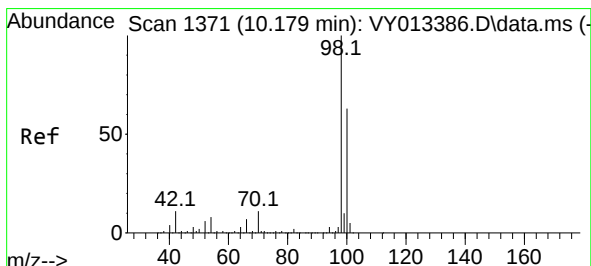
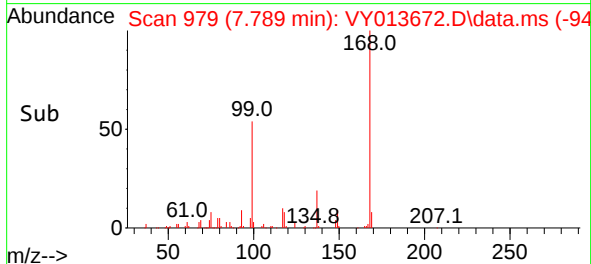
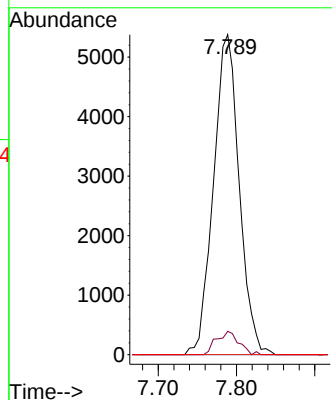
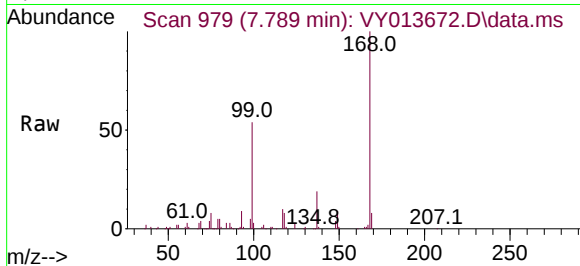




#38
Carbon Tetrachloride
Concen: 5.347 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013672.D
Acq: 09 May 2023 16:45

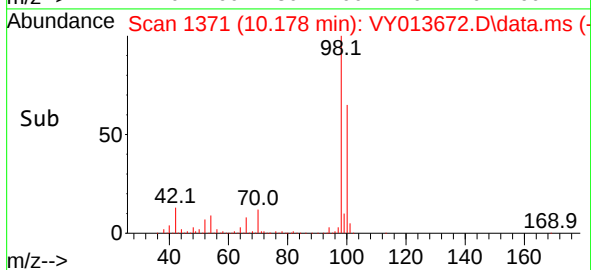
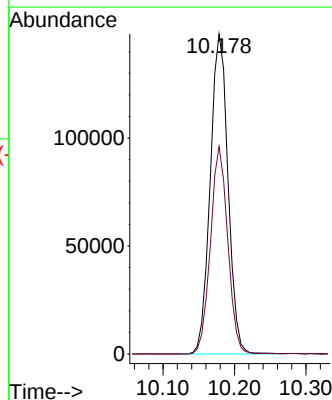
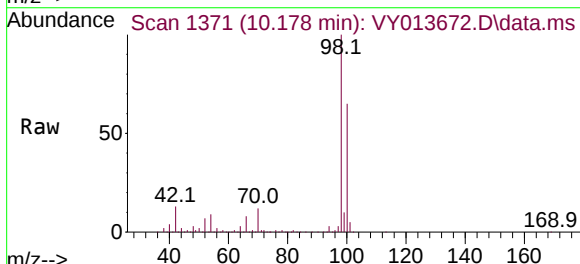
Instrument :
MSVOA_Y
ClientSampleId :
AU-504-VOC-07

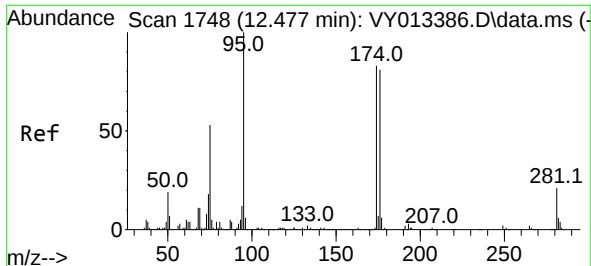
Tgt Ion:117 Resp: 12274
Ion Ratio Lower Upper
117 100
119 7.3 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 54.505 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY013672.D
Acq: 09 May 2023 16:45

Tgt Ion: 98 Resp: 255860
Ion Ratio Lower Upper
98 100
100 63.1 50.5 75.7

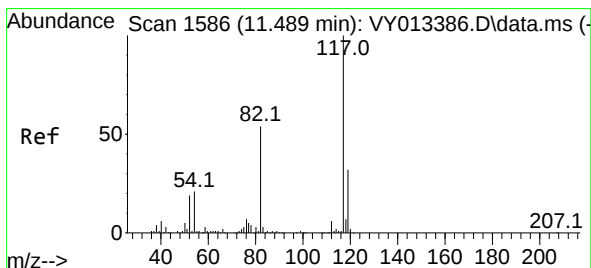
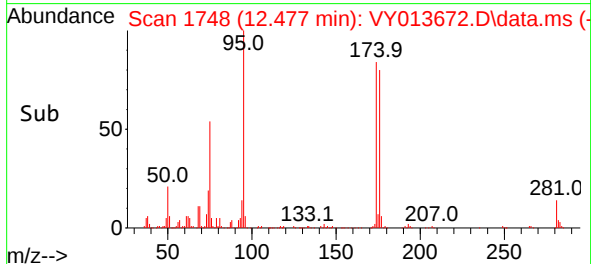
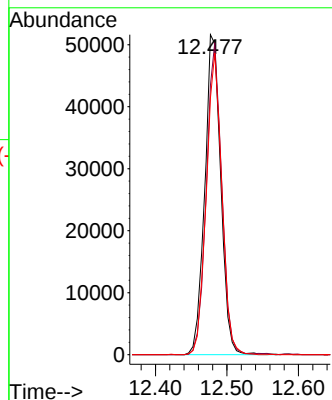
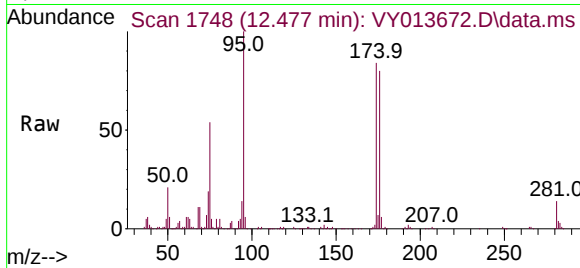




#62
4-Bromofluorobenzene
Concen: 50.741 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY013672.D
Acq: 09 May 2023 16:45

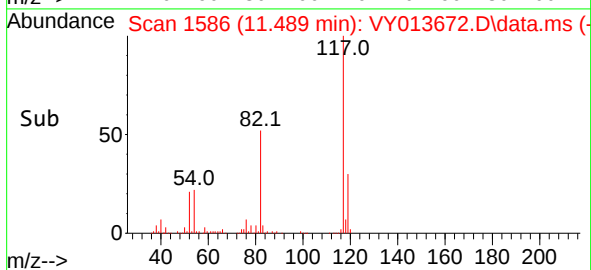
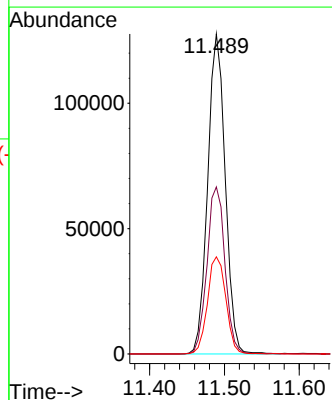
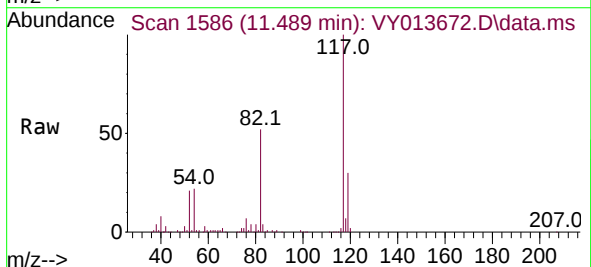
Instrument :
MSVOA_Y
ClientSampleId :
AU-504-VOC-07

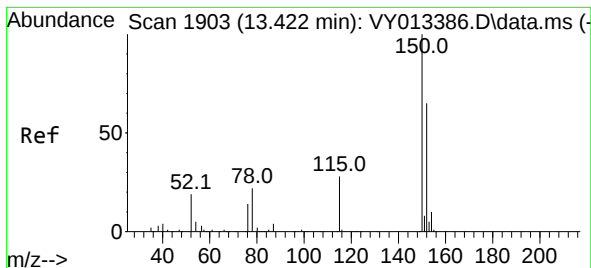
Tgt Ion: 95 Resp: 80300
Ion Ratio Lower Upper
95 100
174 93.6 0.0 182.0
176 91.4 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013672.D
Acq: 09 May 2023 16:45

Tgt Ion: 117 Resp: 207770
Ion Ratio Lower Upper
117 100
82 52.2 43.0 64.6
119 30.3 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY013672.D

Acq: 09 May 2023 16:45

Instrument :

MSVOA_Y

ClientSampleId :

AU-504-VOC-07

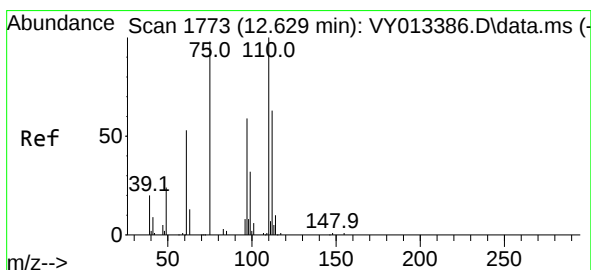
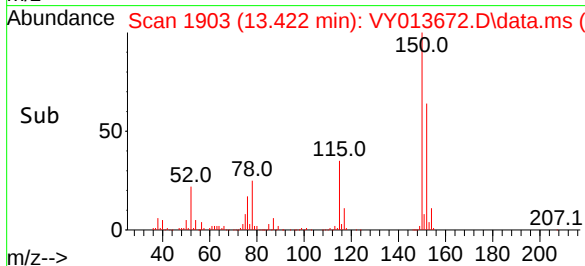
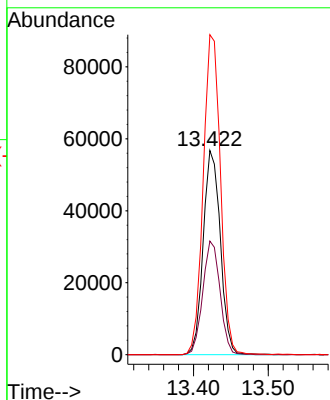
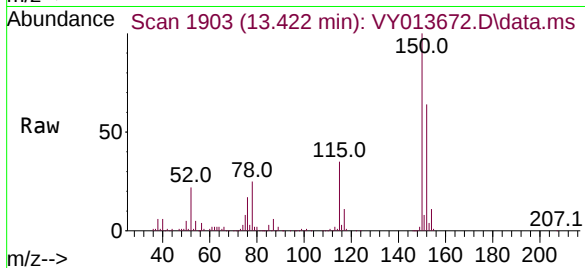
Tgt Ion:152 Resp: 90294

Ion Ratio Lower Upper

152 100

115 56.1 28.1 84.2

150 157.8 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 37.208 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY013672.D

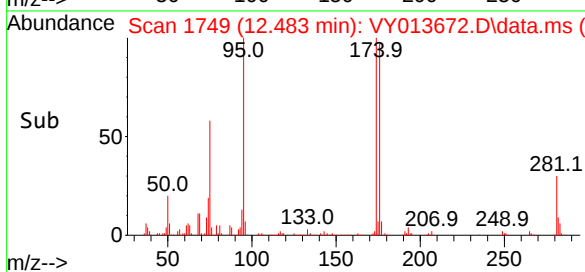
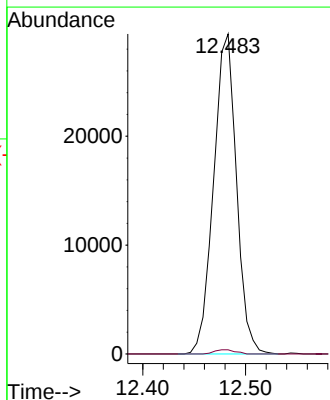
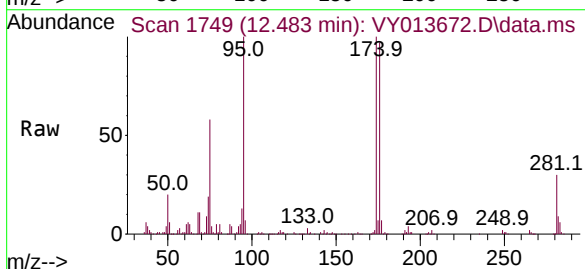
Acq: 09 May 2023 16:45

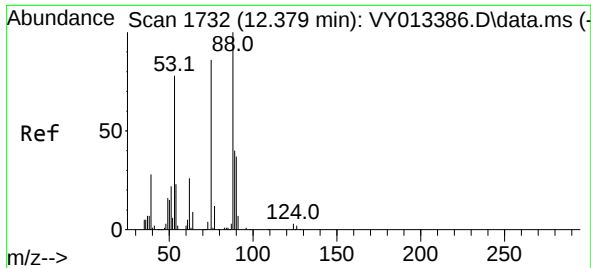
Tgt Ion: 75 Resp: 45309

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.111 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY013672.D
 Acq: 09 May 2023 16:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 AU-504-VOC-07

Tgt Ion: 75 Resp: 45309
 Ion Ratio Lower Upper
 75 100
 53 0.4 73.2 109.8#
 89 0.2 38.0 57.0#

