

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050923\
 Data File : VY013667.D
 Acq On : 09 May 2023 14:48
 Operator : KP/MD
 Sample : 02665-10
 Misc : 5.80g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-612-VOC-02

Quant Time: May 10 05:37:22 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)

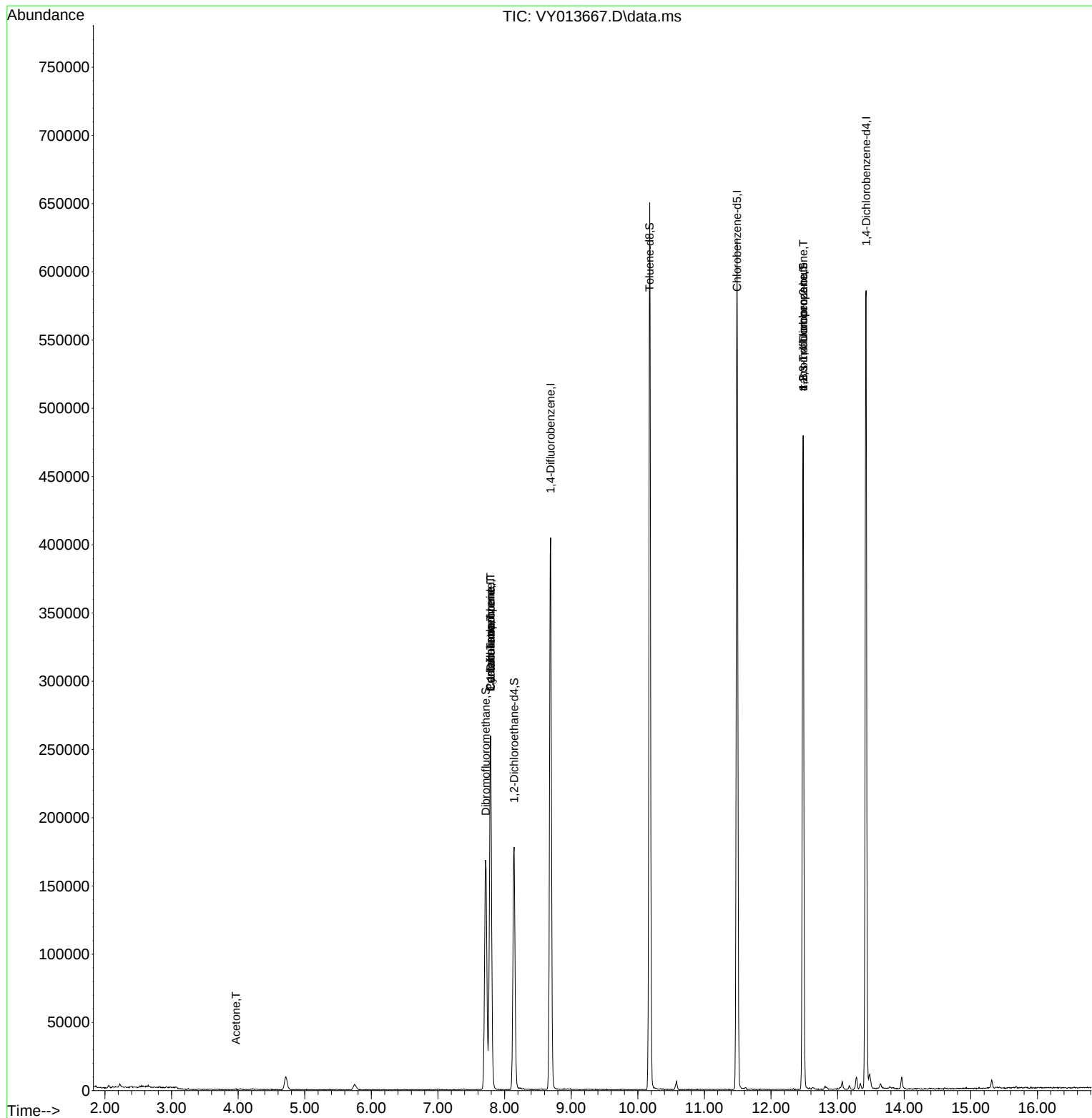
Internal Standards						
1) Pentafluorobenzene	7.789	168	200938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	338000	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	326386	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	152657	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	145881	66.228	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.460%	
35) Dibromofluoromethane	7.716	113	118705	55.838	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.680%	
50) Toluene-d8	10.179	98	415638	54.960	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 109.920%	
62) 4-Bromofluorobenzene	12.483	95	136703	53.619	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 107.240%	
Target Compounds						
					Qvalue	
13) Acrolein	3.564	56	28	Below Cal	#	16
16) Acetone	3.966	43	950	1.095	ug/l #	43
20) Methylene Chloride	4.716	84	6369	Below Cal		94
31) Cyclohexane	7.789	56	4381	1.111	ug/l #	29
36) 1,1-Dichloropropene	7.789	75	15204	4.309	ug/l #	50
38) Carbon Tetrachloride	7.789	117	19305	5.220	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	71900	34.924	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	71900	71.439	ug/l #	13

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

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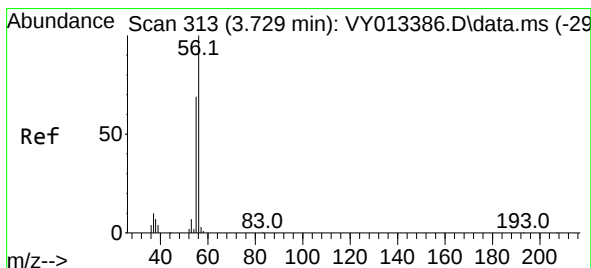
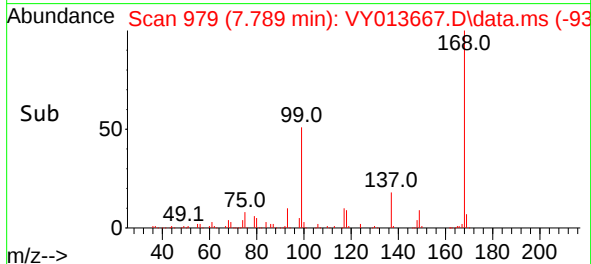
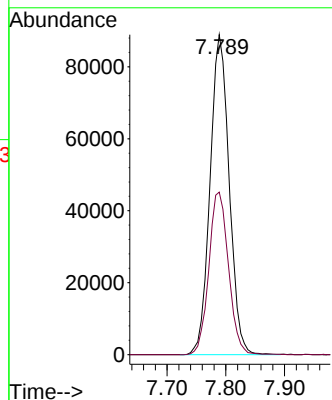
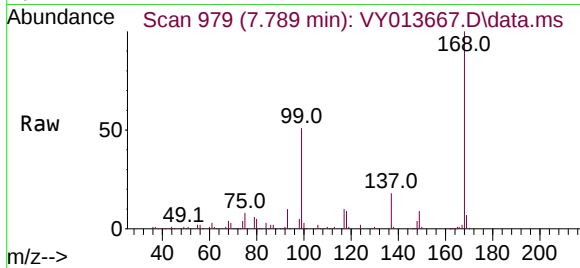




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013667.D
Acq: 09 May 2023 14:48

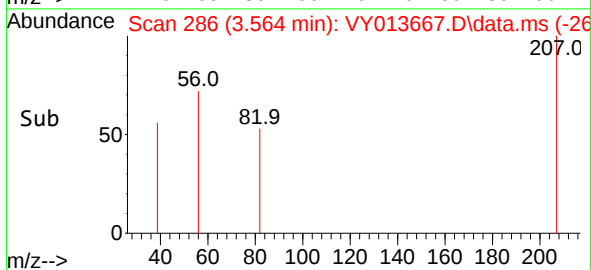
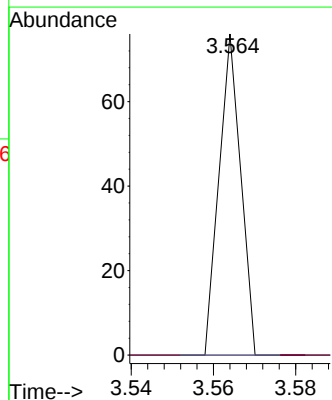
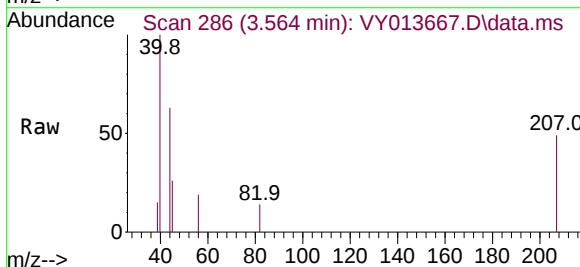
Instrument :
MSVOA_Y
ClientSampleId :
TR-612-VOC-02

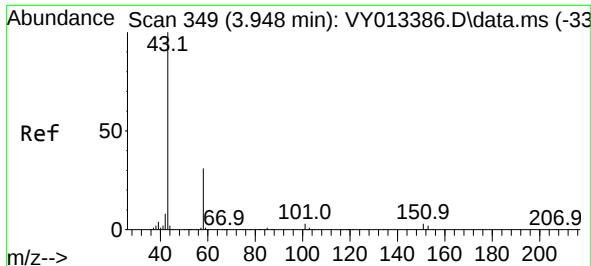
Tgt Ion:168 Resp: 200938
Ion Ratio Lower Upper
168 100
99 50.8 41.8 62.6



#13
Acrolein
Concen: Below Cal
RT: 3.564 min Scan# 286
Delta R.T. -0.165 min
Lab File: VY013667.D
Acq: 09 May 2023 14:48

Tgt Ion: 56 Resp: 28
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#

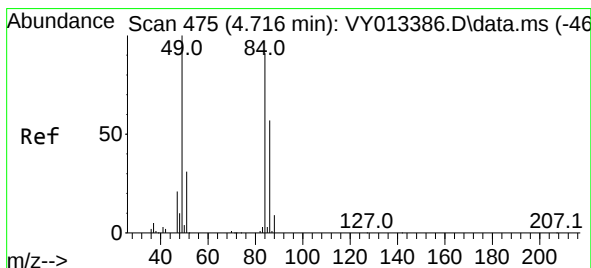
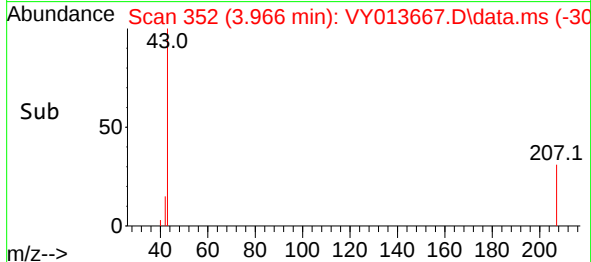
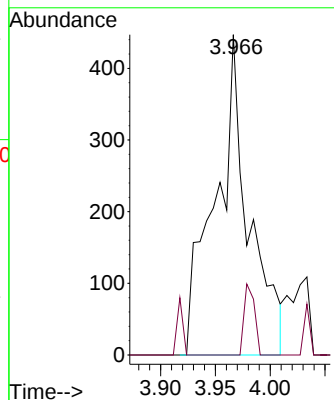
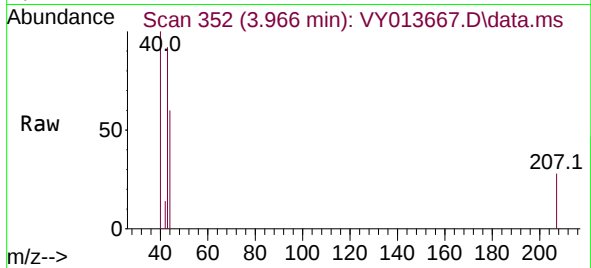




#16
Acetone
Concen: 1.095 ug/l
RT: 3.966 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY013667.D
Acq: 09 May 2023 14:48

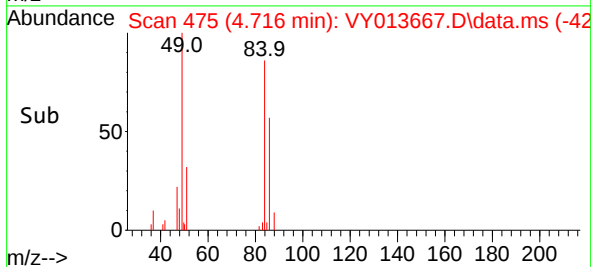
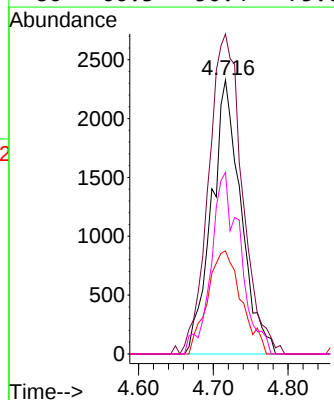
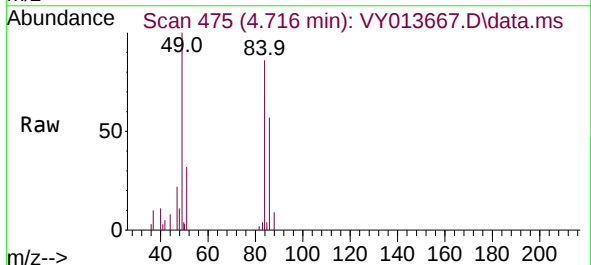
Instrument :
MSVOA_Y
ClientSampleId :
TR-612-VOC-02

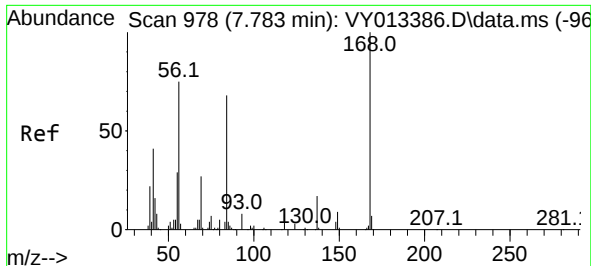
Tgt Ion: 43 Resp: 950
Ion Ratio Lower Upper
43 100
58 0.0 25.4 38.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY013667.D
Acq: 09 May 2023 14:48

Tgt Ion: 84 Resp: 6369
Ion Ratio Lower Upper
84 100
49 116.8 88.0 132.0
51 37.6 27.4 41.0
86 66.3 50.4 75.6

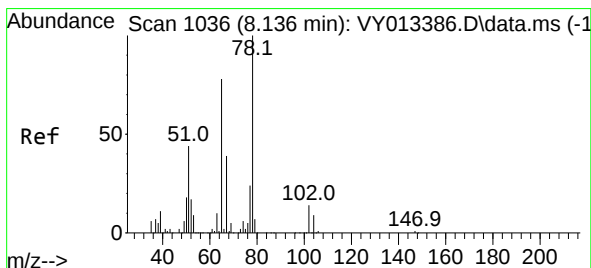
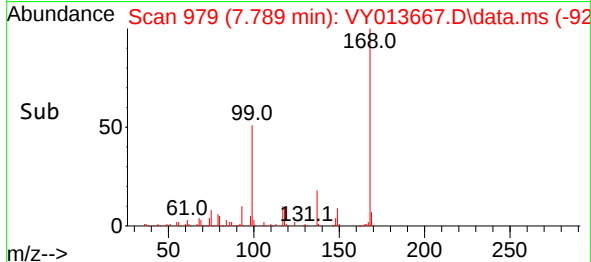
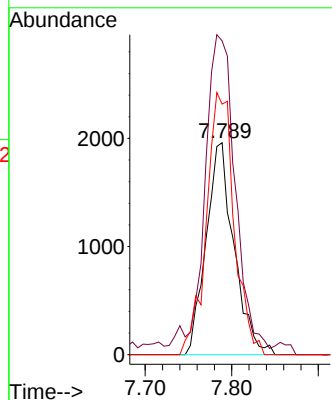
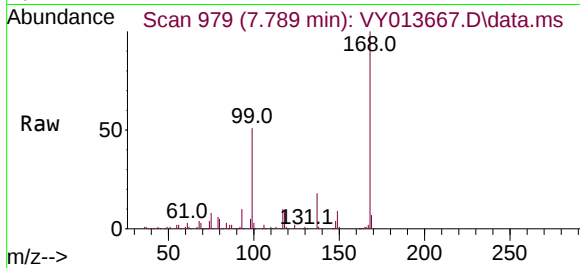




#31
Cyclohexane
Concen: 1.111 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013667.D
Acq: 09 May 2023 14:48

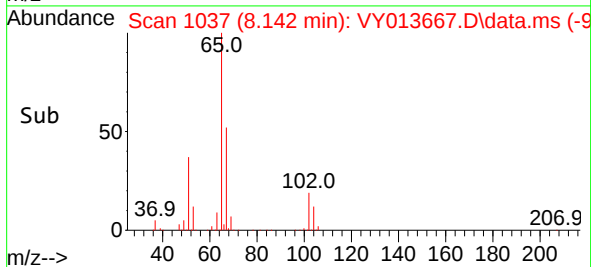
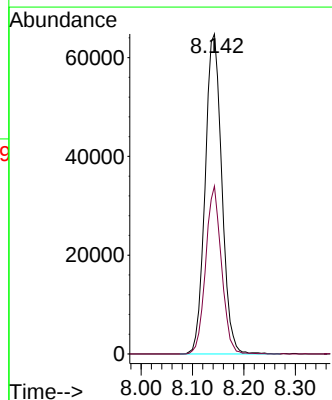
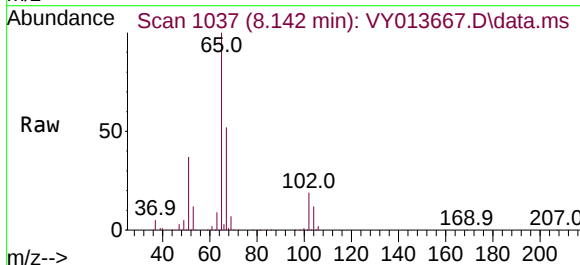
Instrument :
MSVOA_Y
ClientSampleId :
TR-612-VOC-02

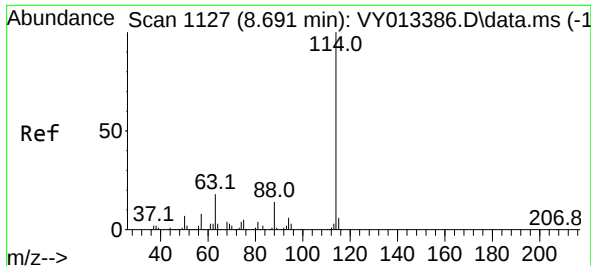
Tgt Ion: 56 Resp: 4381
Ion Ratio Lower Upper
56 100
69 142.1 29.2 43.8#
84 118.2 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 66.228 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY013667.D
Acq: 09 May 2023 14:48

Tgt Ion: 65 Resp: 145881
Ion Ratio Lower Upper
65 100
67 49.7 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: VY013667.D

Acq: 09 May 2023 14:48

Instrument :

MSVOA_Y

ClientSampleId :

TR-612-VOC-02

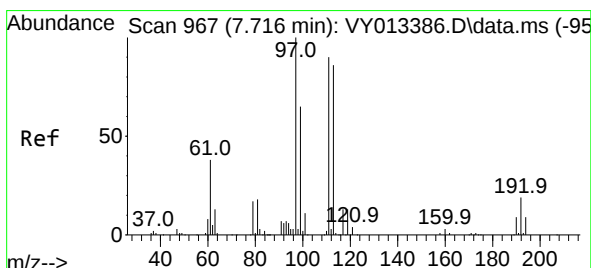
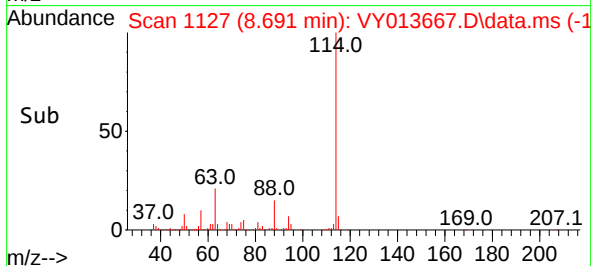
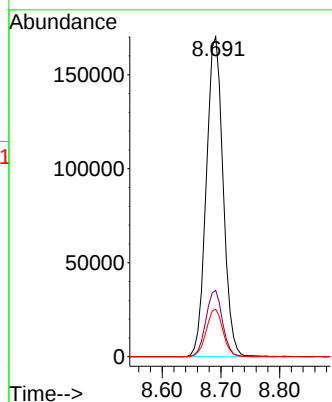
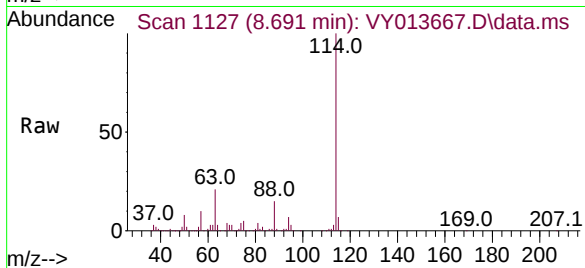
Tgt Ion:114 Resp: 338000

Ion Ratio Lower Upper

114 100

63 20.7 0.0 36.6

88 14.9 0.0 28.8



#35

Dibromofluoromethane

Concen: 55.838 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013667.D

Acq: 09 May 2023 14:48

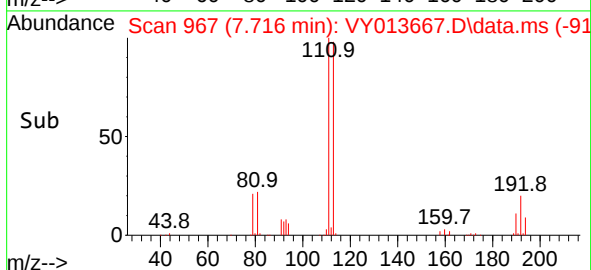
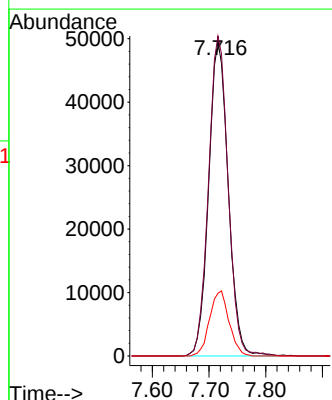
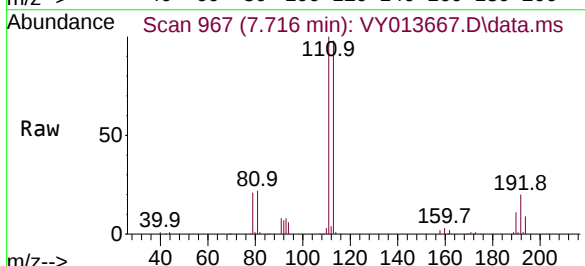
Tgt Ion:113 Resp: 118705

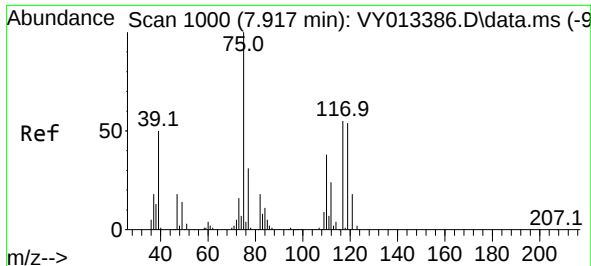
Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.2

192 20.6 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.309 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY013667.D

Acq: 09 May 2023 14:48

Instrument :

MSVOA_Y

ClientSampleId :

TR-612-VOC-02

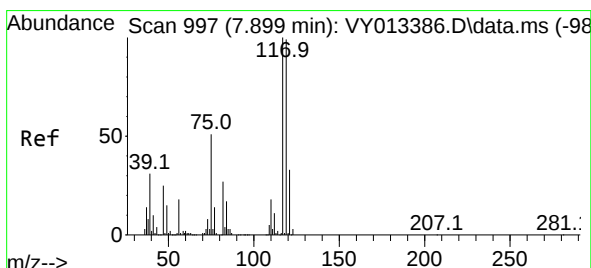
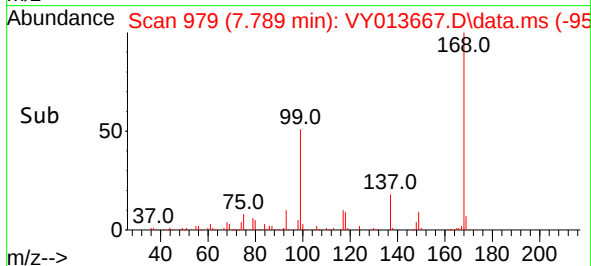
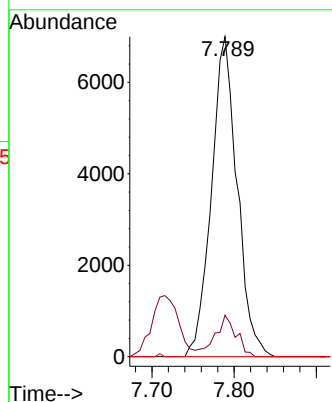
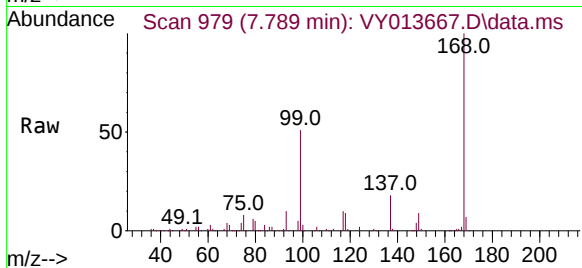
Tgt Ion: 75 Resp: 15204

Ion Ratio Lower Upper

75 100

110 10.7 18.7 56.1#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.220 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY013667.D

Acq: 09 May 2023 14:48

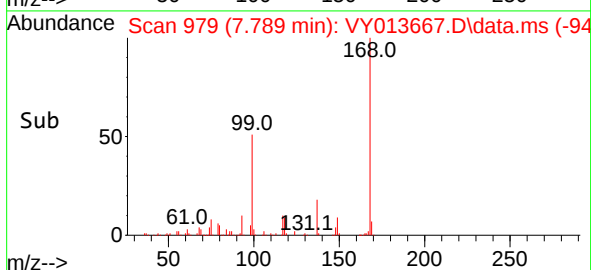
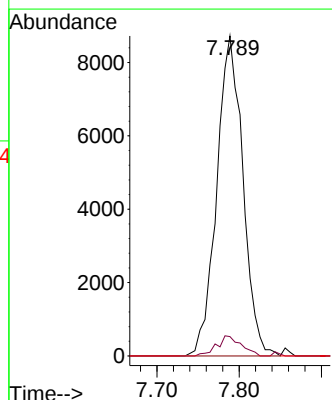
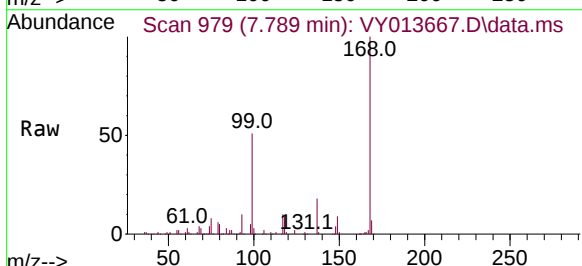
Tgt Ion: 117 Resp: 19305

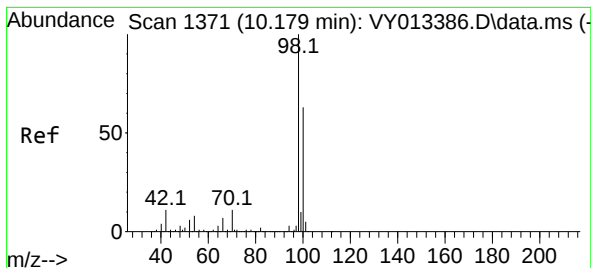
Ion Ratio Lower Upper

117 100

119 6.1 79.0 118.6#

121 0.0 26.6 40.0#





#50

Toluene-d8

Concen: 54.960 ug/l

RT: 10.179 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY013667.D

Acq: 09 May 2023 14:48

Instrument :

MSVOA_Y

ClientSampleId :

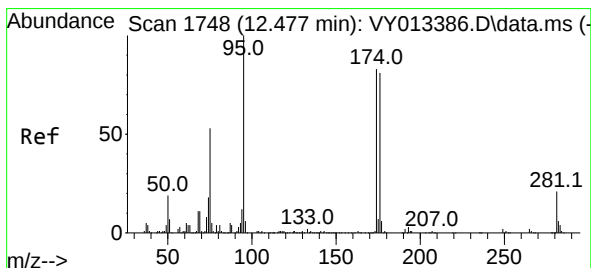
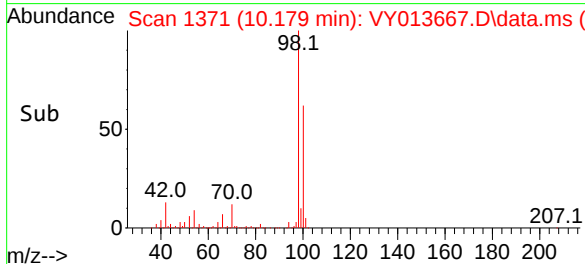
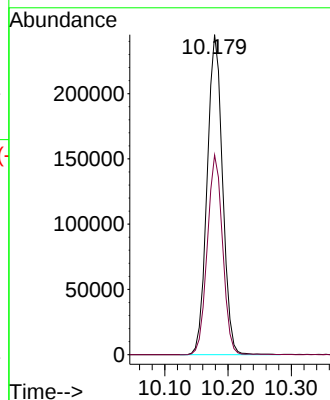
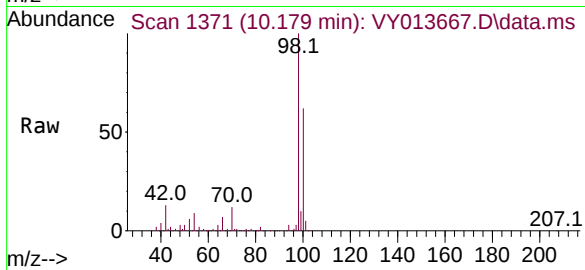
TR-612-VOC-02

Tgt Ion: 98 Resp: 415638

Ion Ratio Lower Upper

98 100

100 62.0 50.5 75.7



#62

4-Bromofluorobenzene

Concen: 53.619 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY013667.D

Acq: 09 May 2023 14:48

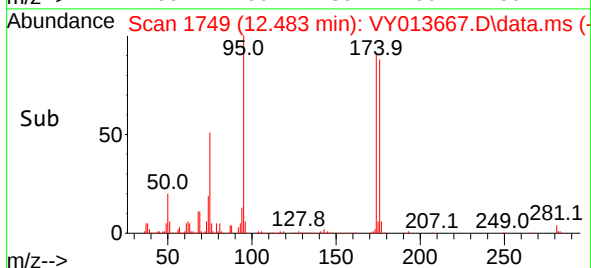
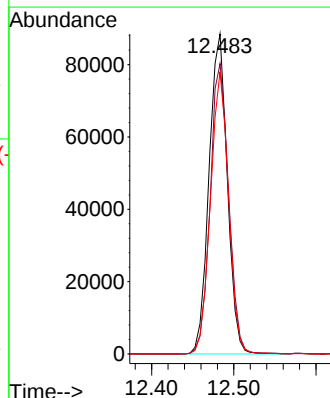
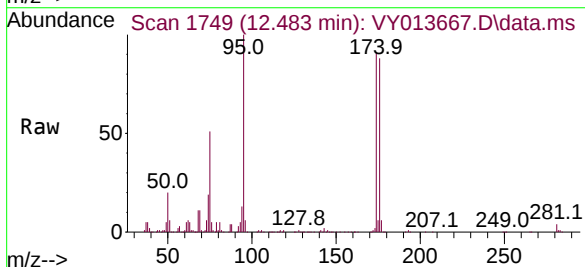
Tgt Ion: 95 Resp: 136703

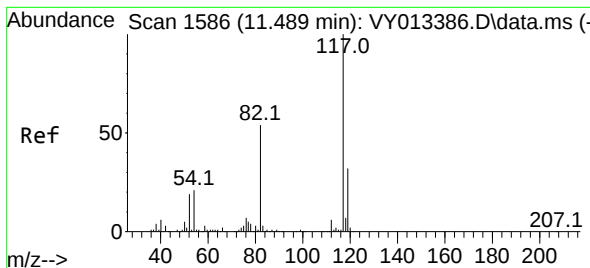
Ion Ratio Lower Upper

95 100

174 91.7 0.0 182.0

176 87.3 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: VY013667.D

Acq: 09 May 2023 14:48

Instrument :

MSVOA_Y

ClientSampleId :

TR-612-VOC-02

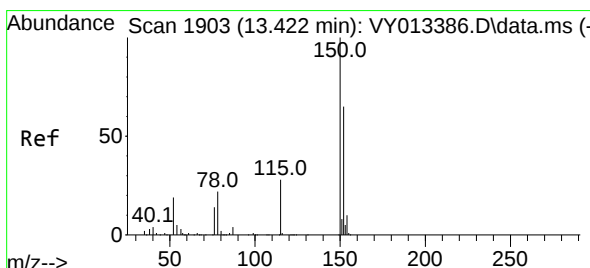
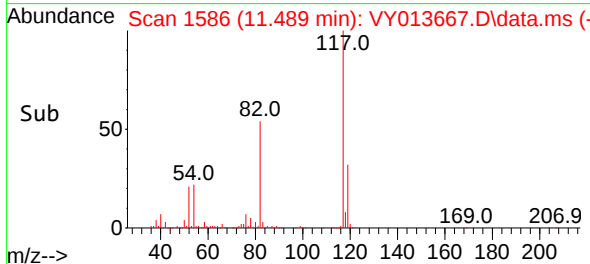
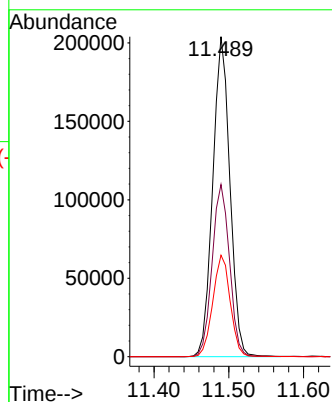
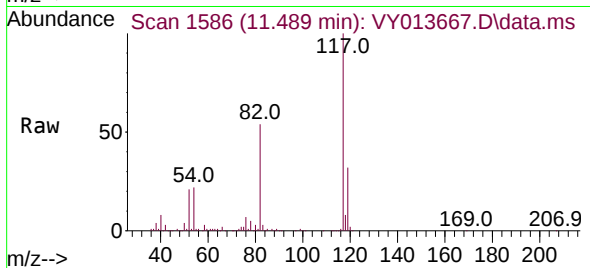
Tgt Ion:117 Resp: 326386

Ion Ratio Lower Upper

117 100

82 53.8 43.0 64.6

119 31.7 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: VY013667.D

Acq: 09 May 2023 14:48

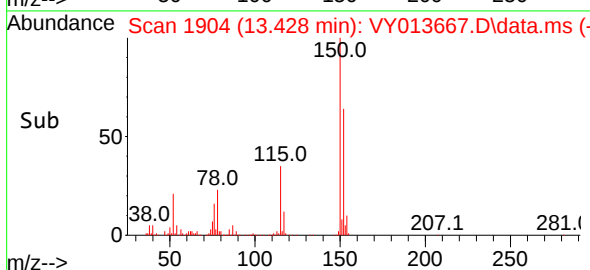
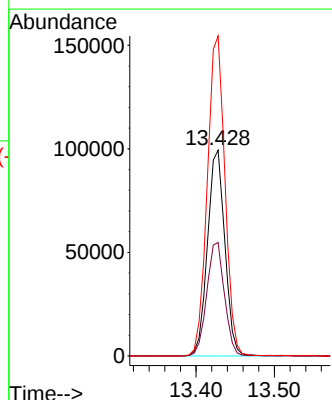
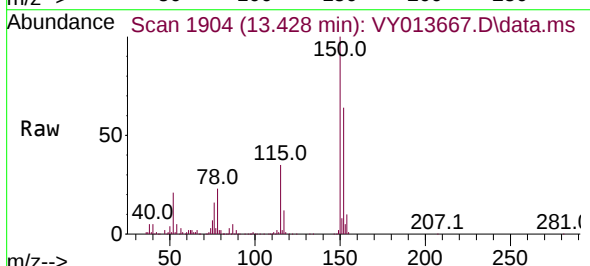
Tgt Ion:152 Resp: 152657

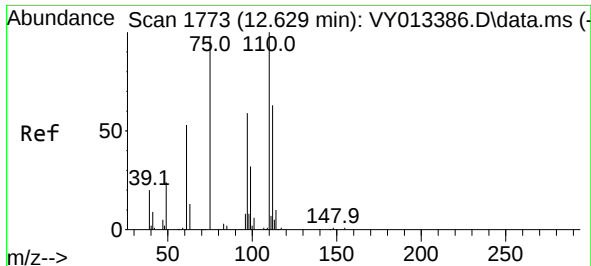
Ion Ratio Lower Upper

152 100

115 56.4 28.1 84.2

150 157.8 0.0 352.0

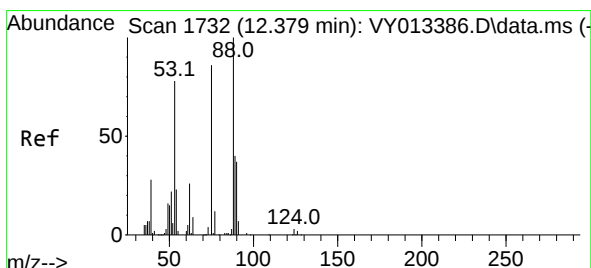
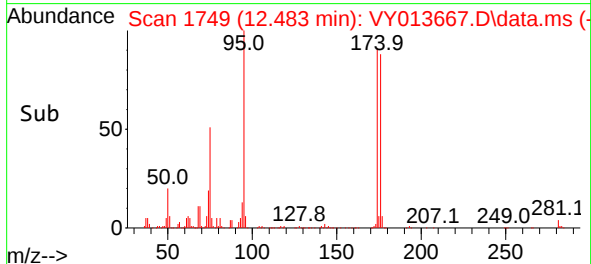
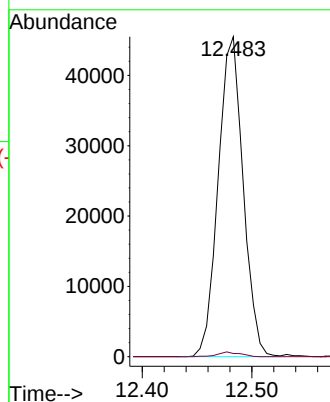
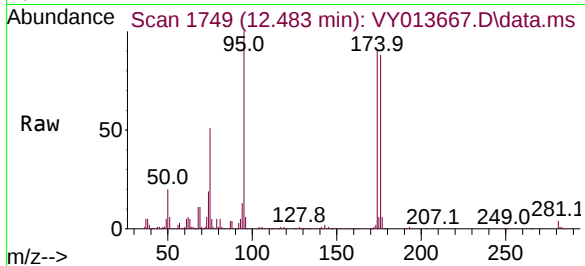




#76
1,2,3-Trichloropropane
Concen: 34.924 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY013667.D
Acq: 09 May 2023 14:48

Instrument :
MSVOA_Y
ClientSampleId :
TR-612-VOC-02

Tgt Ion: 75 Resp: 71900
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.439 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY013667.D
Acq: 09 May 2023 14:48

Tgt Ion: 75 Resp: 71900
Ion Ratio Lower Upper
75 100
53 0.3 73.2 109.8#
89 0.1 38.0 57.0#

