

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010923\
 Data File : VY012123.D
 Acq On : 09 Jan 2023 20:05
 Operator : KP/MD
 Sample : 01057-02
 Misc : 6.96g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC-1

Quant Time: Jan 10 01:51:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

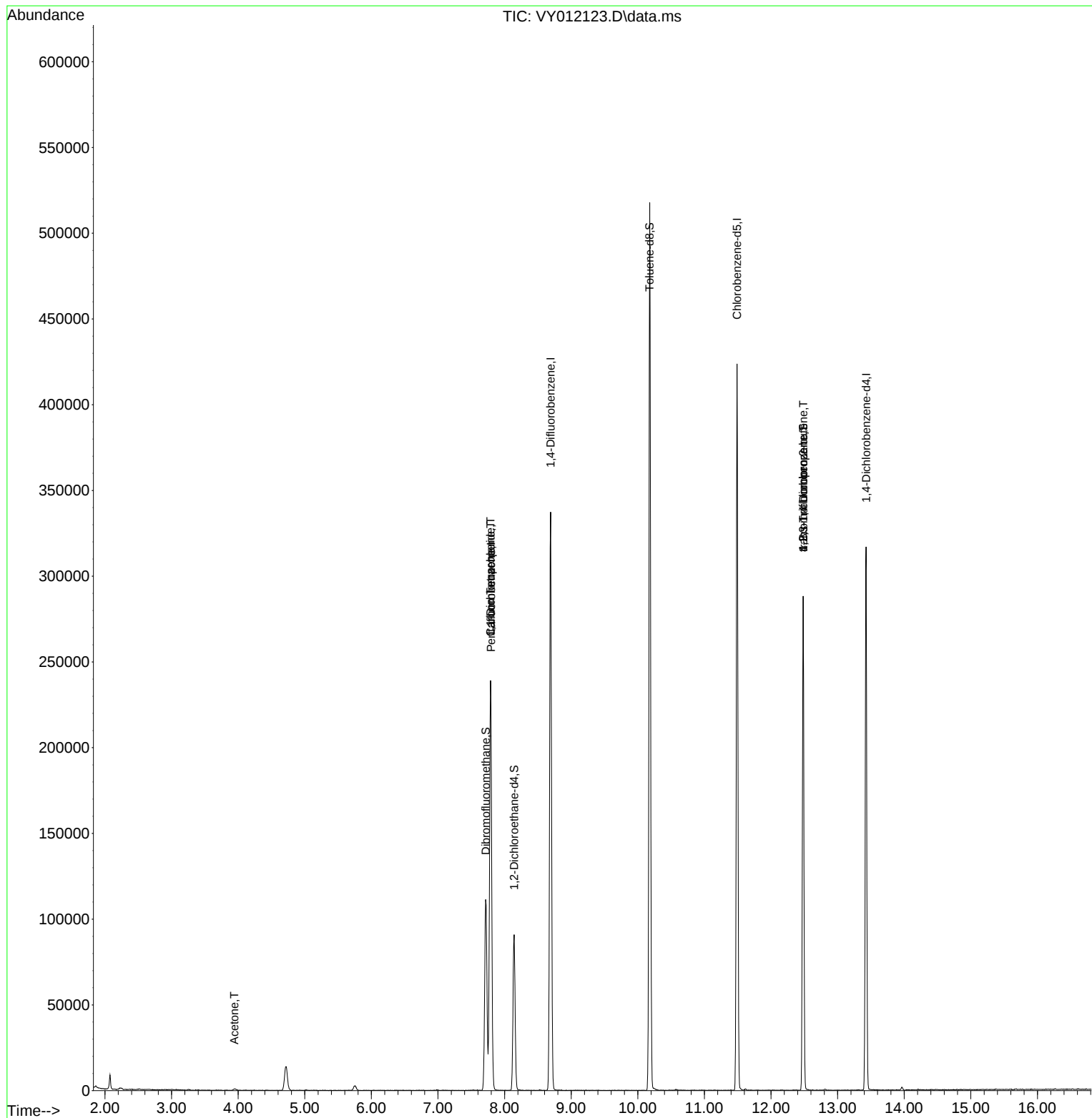
Internal Standards						
1) Pentafluorobenzene	7.795	168	188121	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	294111	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	235662	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	84806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	76537	36.208	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	72.420%
35) Dibromofluoromethane	7.716	113	78586	40.652	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.300%
50) Toluene-d8	10.179	98	340196	44.586	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	89.180%
62) 4-Bromofluorobenzene	12.483	95	86398	32.394	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	64.780%
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	72	Below Cal	#	41
5) Bromomethane	2.668	94	84	Below Cal	#	49
16) Acetone	3.942	43	1645	3.308	ug/l #	77
20) Methylene Chloride	4.716	84	11832	Below Cal		89
31) Cyclohexane	7.789	56	3420	Below Cal	#	17
36) 1,1-Dichloropropene	7.789	75	12857	4.384	ug/l #	50
38) Carbon Tetrachloride	7.789	117	19043	5.116	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	45766	47.264	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	45766	104.965	ug/l #	13

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

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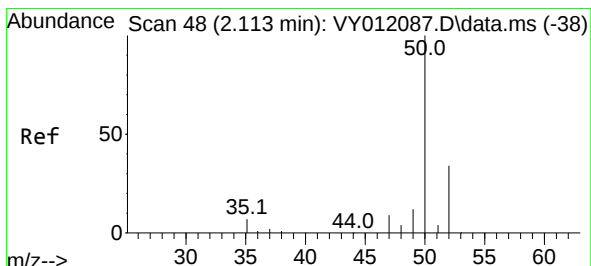
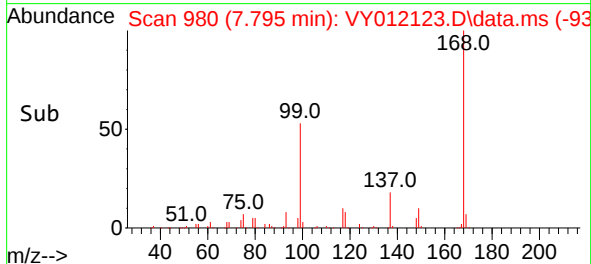
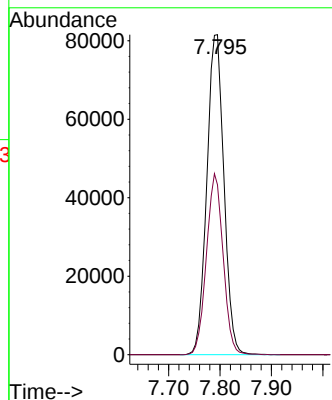
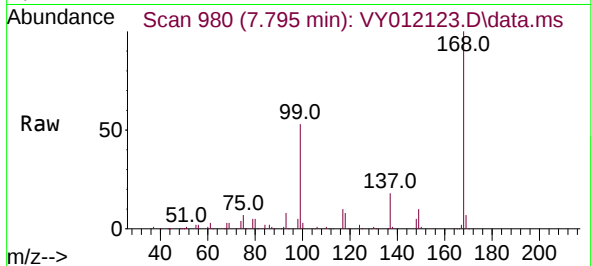




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012123.D
Acq: 09 Jan 2023 20:05

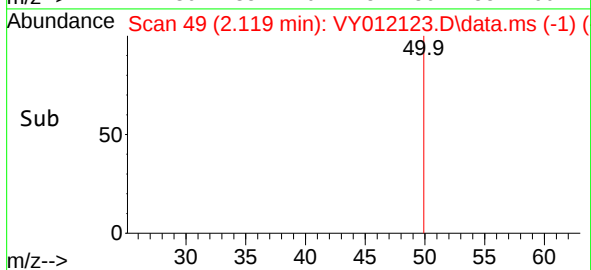
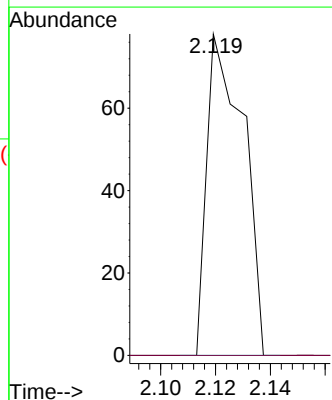
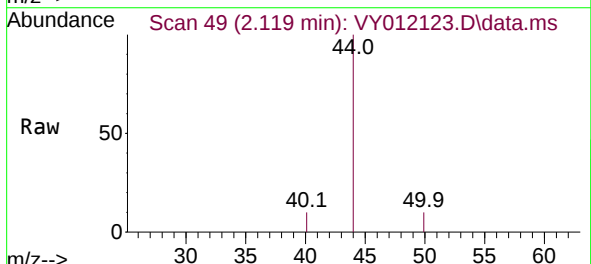
Instrument :
MSVOA_Y
ClientSampleId :
VOC-1

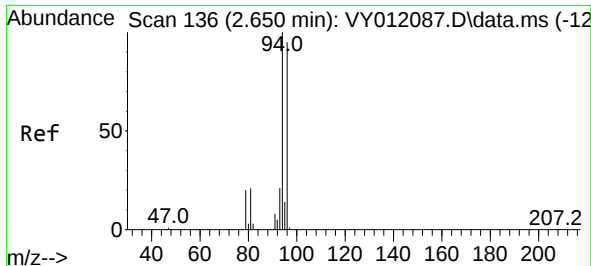
Tgt Ion:168 Resp: 188121
Ion Ratio Lower Upper
168 100
99 53.1 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY012123.D
Acq: 09 Jan 2023 20:05

Tgt Ion: 50 Resp: 72
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

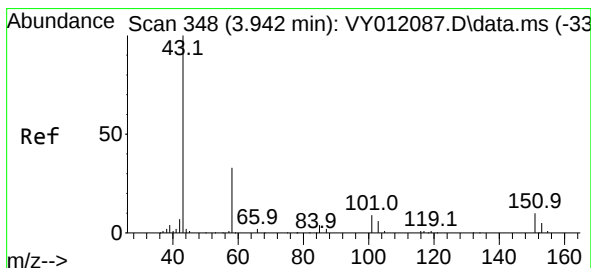
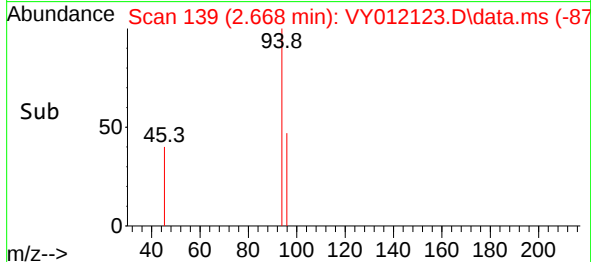
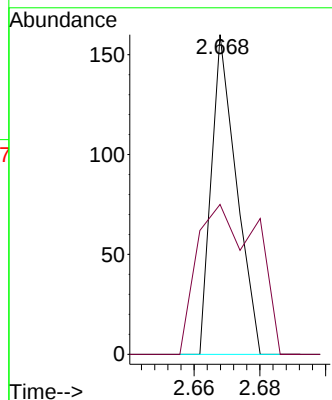
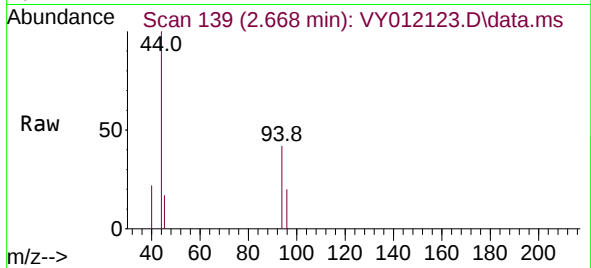




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY012123.D
Acq: 09 Jan 2023 20:05

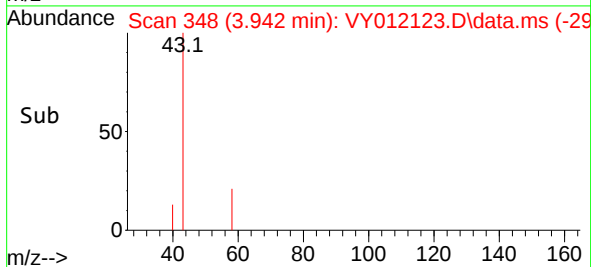
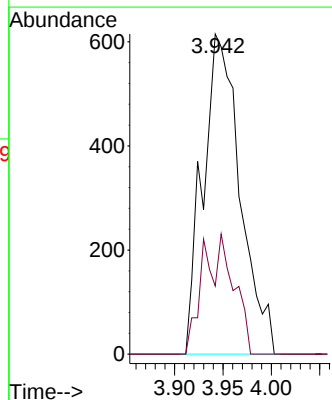
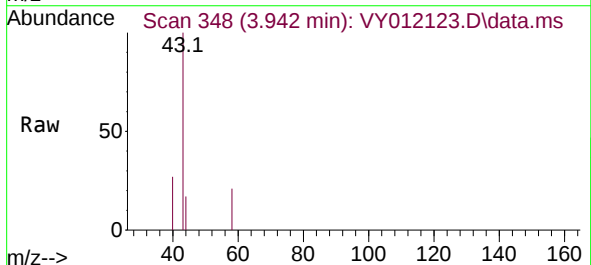
Instrument :
MSVOA_Y
ClientSampleId :
VOC-1

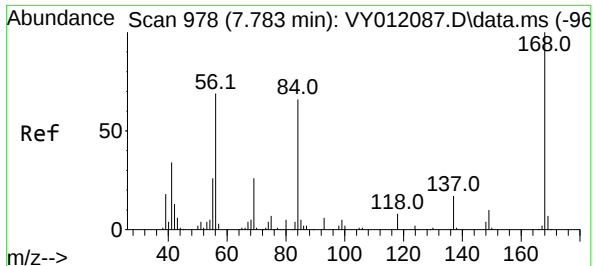
Tgt Ion: 94 Resp: 84
Ion Ratio Lower Upper
94 100
96 46.9 77.4 116.2#



#16
Acetone
Concen: 3.308 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY012123.D
Acq: 09 Jan 2023 20:05

Tgt Ion: 43 Resp: 1645
Ion Ratio Lower Upper
43 100
58 21.3 27.9 41.9#

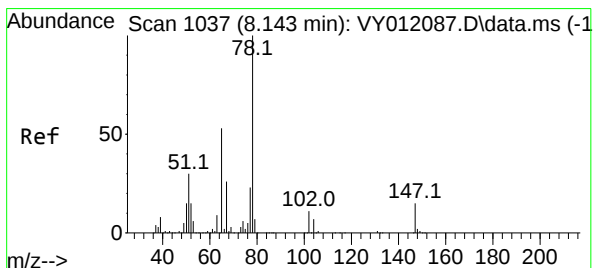
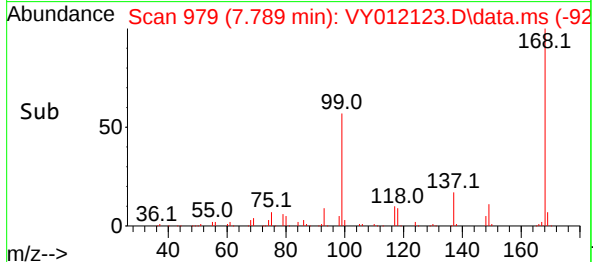
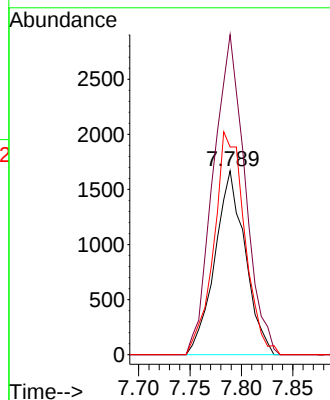
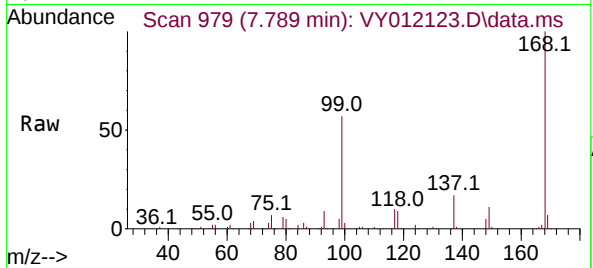




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012123.D
Acq: 09 Jan 2023 20:05

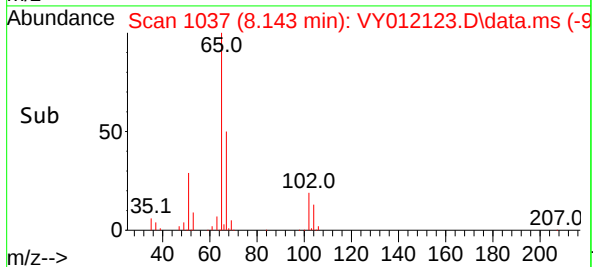
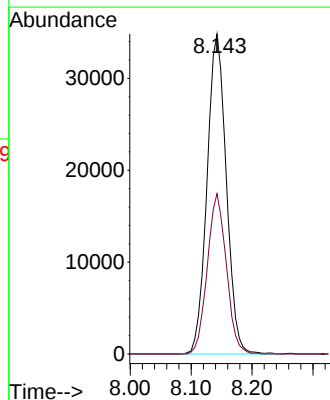
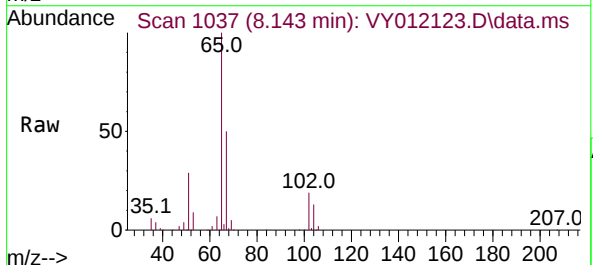
Instrument :
MSVOA_Y
ClientSampleId :
VOC-1

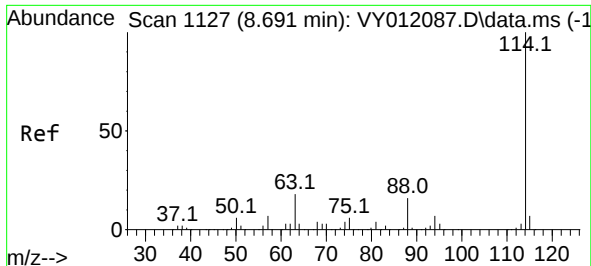
Tgt Ion: 56 Resp: 3420
Ion Ratio Lower Upper
56 100
69 174.1 29.2 43.8#
84 112.9 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 36.208 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012123.D
Acq: 09 Jan 2023 20:05

Tgt Ion: 65 Resp: 76537
Ion Ratio Lower Upper
65 100
67 49.5 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012123.D

Acq: 09 Jan 2023 20:05

Instrument :

MSVOA_Y

ClientSampleId :

VOC-1

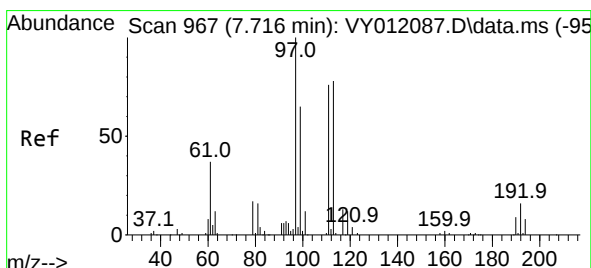
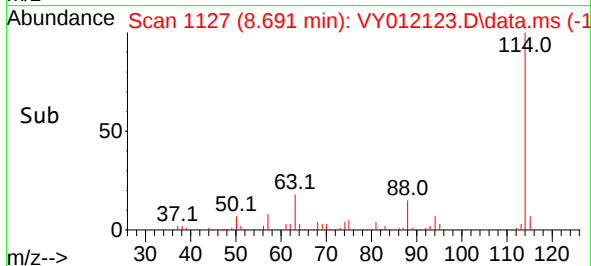
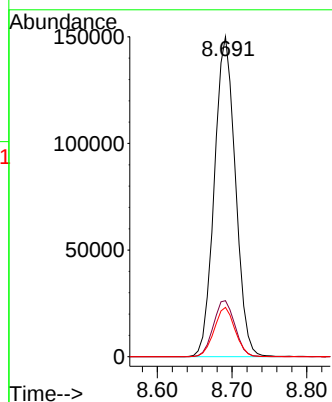
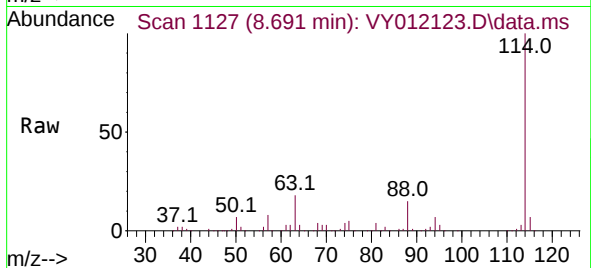
Tgt Ion:114 Resp: 294111

Ion Ratio Lower Upper

114 100

63 17.5 0.0 39.6

88 15.4 0.0 32.2



#35

Dibromofluoromethane

Concen: 40.652 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012123.D

Acq: 09 Jan 2023 20:05

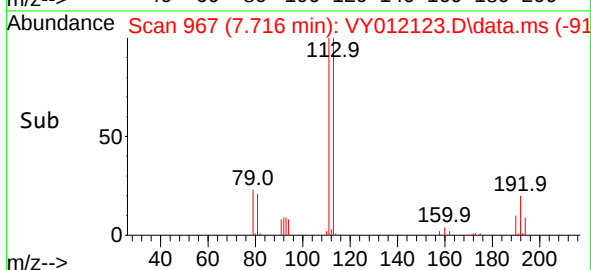
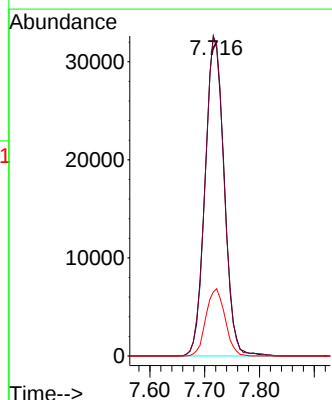
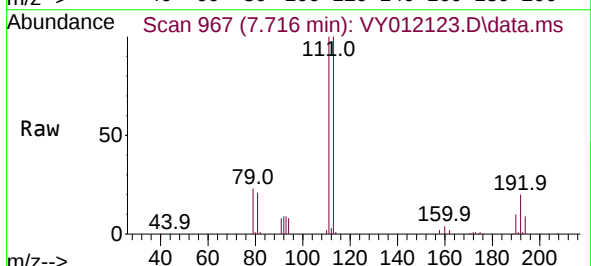
Tgt Ion:113 Resp: 78586

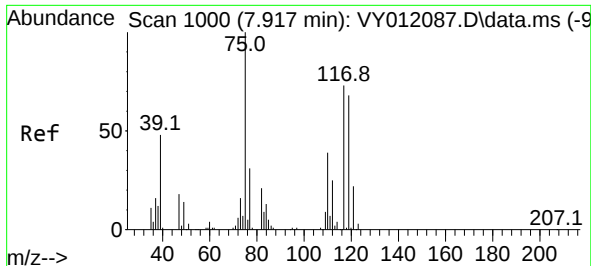
Ion Ratio Lower Upper

113 100

111 100.1 83.0 124.4

192 21.0 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.384 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012123.D

Acq: 09 Jan 2023 20:05

Instrument :

MSVOA_Y

ClientSampleId :

VOC-1

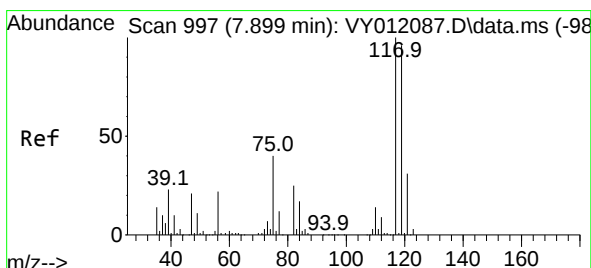
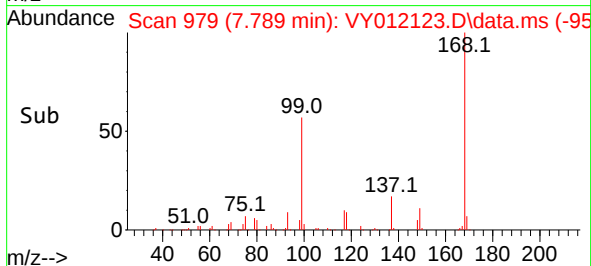
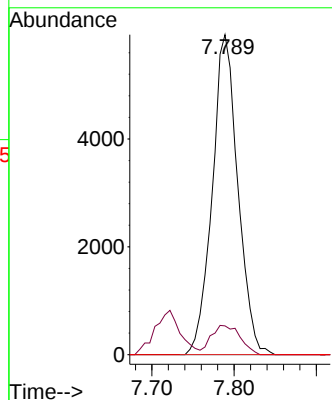
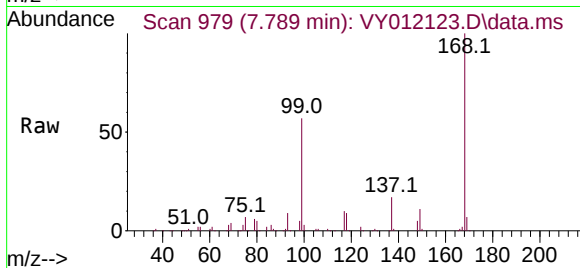
Tgt Ion: 75 Resp: 12857

Ion Ratio Lower Upper

75 100

110 10.3 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.116 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012123.D

Acq: 09 Jan 2023 20:05

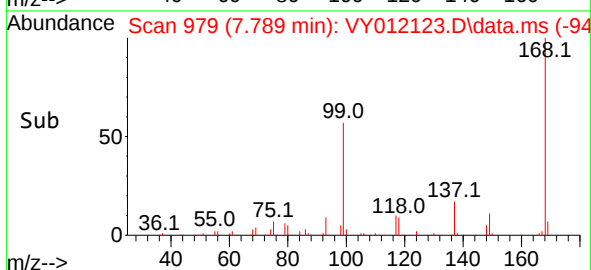
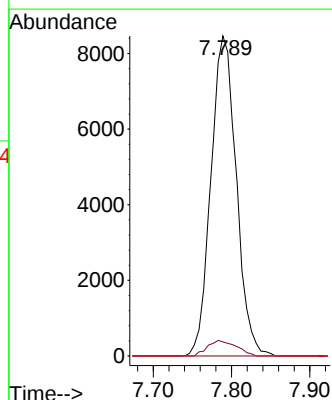
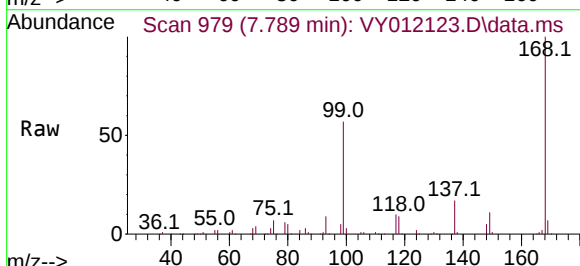
Tgt Ion: 117 Resp: 19043

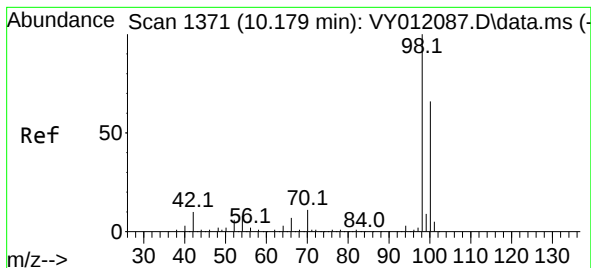
Ion Ratio Lower Upper

117 100

119 4.4 73.8 110.8#

121 0.0 25.2 37.8#





#50

Toluene-d8

Concen: 44.586 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY012123.D

Acq: 09 Jan 2023 20:05

Instrument :

MSVOA_Y

ClientSampleId :

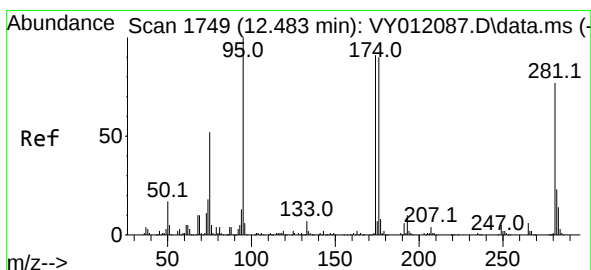
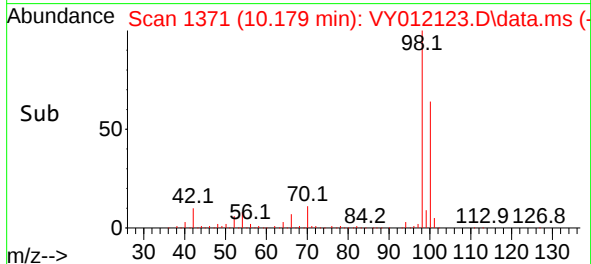
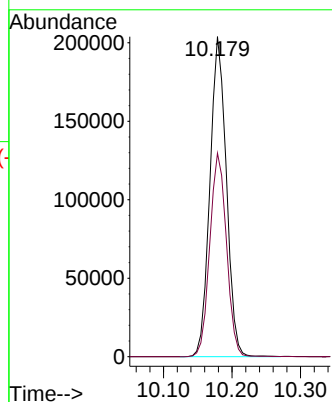
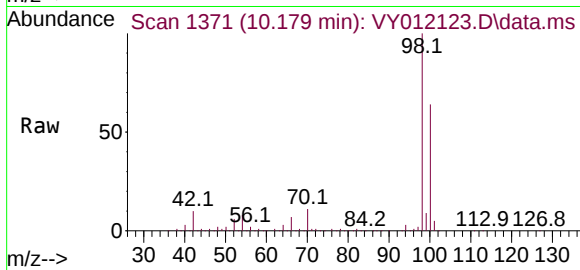
VOC-1

Tgt Ion: 98 Resp: 340196

Ion Ratio Lower Upper

98 100

100 64.5 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 32.394 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY012123.D

Acq: 09 Jan 2023 20:05

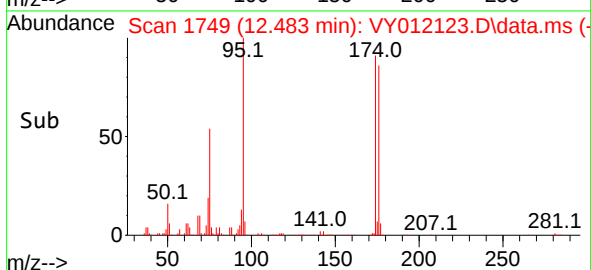
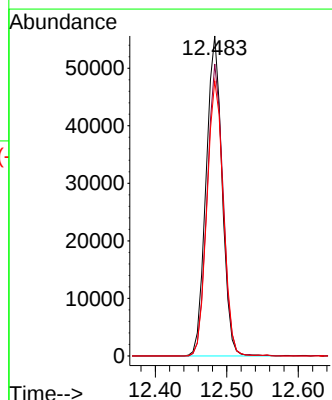
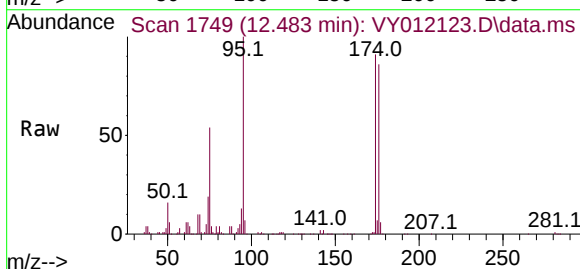
Tgt Ion: 95 Resp: 86398

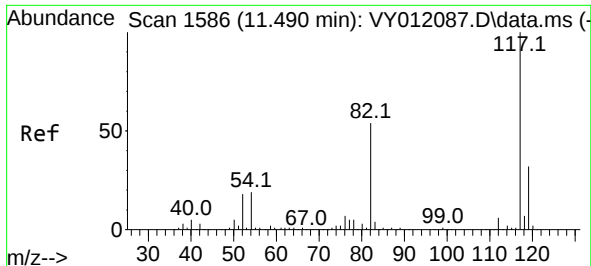
Ion Ratio Lower Upper

95 100

174 91.2 0.0 172.0

176 87.9 0.0 167.6

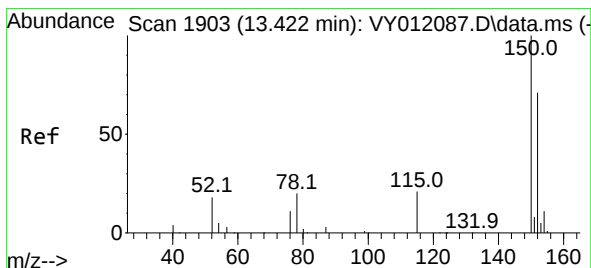
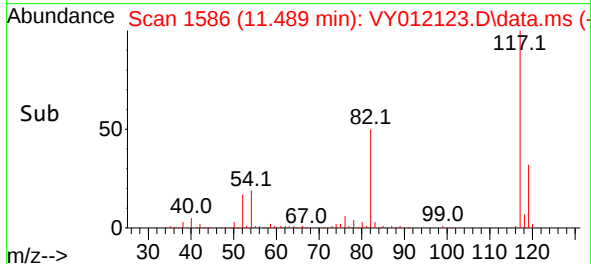
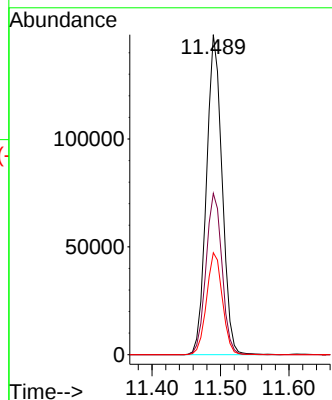
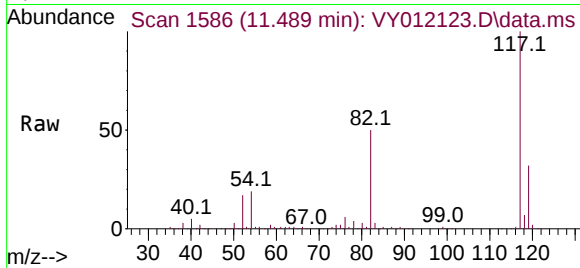




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY012123.D
Acq: 09 Jan 2023 20:05

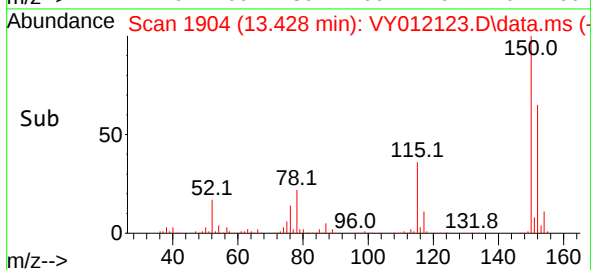
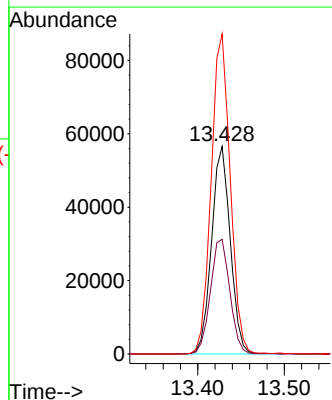
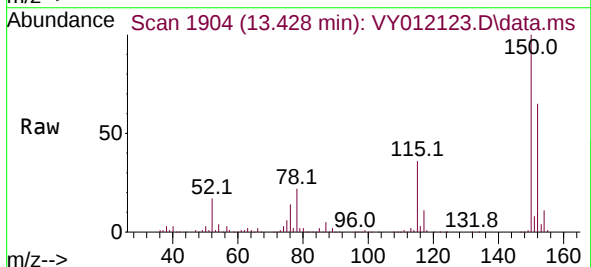
Instrument :
MSVOA_Y
ClientSampleId :
VOC-1

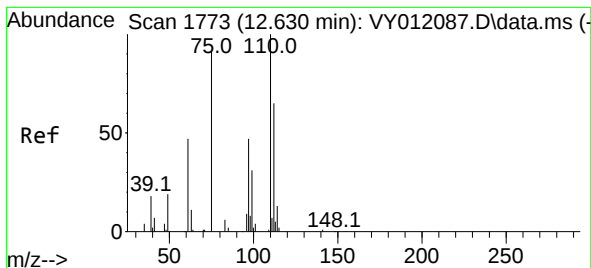
Tgt Ion:117 Resp: 235662
Ion Ratio Lower Upper
117 100
82 50.4 44.8 67.2
119 31.9 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012123.D
Acq: 09 Jan 2023 20:05

Tgt Ion:152 Resp: 84806
Ion Ratio Lower Upper
152 100
115 57.5 29.1 87.3
150 157.3 0.0 342.6





#76

1,2,3-Trichloropropane

Concen: 47.264 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY012123.D

Acq: 09 Jan 2023 20:05

Instrument :

MSVOA_Y

ClientSampleId :

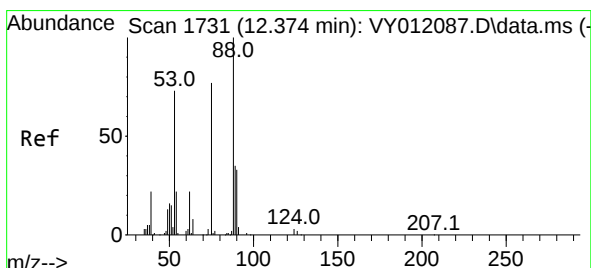
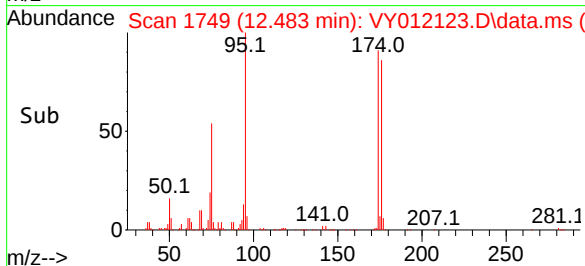
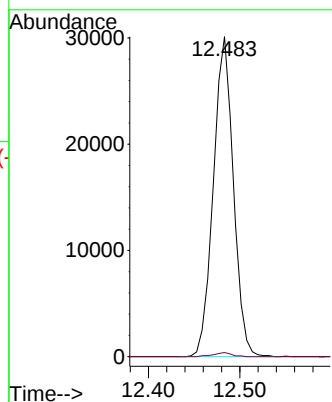
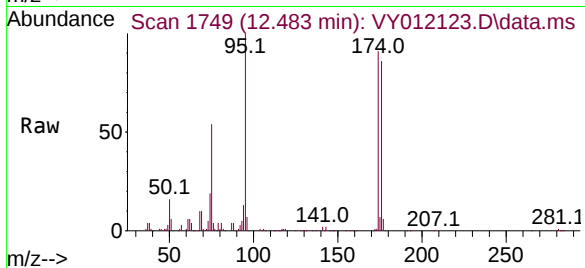
VOC-1

Tgt Ion: 75 Resp: 45766

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 104.965 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.109 min

Lab File: VY012123.D

Acq: 09 Jan 2023 20:05

Tgt Ion: 75 Resp: 45766

Ion Ratio Lower Upper

75 100

53 0.0 72.5 108.7#

89 0.1 37.0 55.4#

