

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041123\
 Data File : VY013254.D
 Acq On : 11 Apr 2023 19:44
 Operator : KP/MD
 Sample : 02219-02
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Apr 12 01:38:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041123S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 11 11:59:49 2023
 Response via : Initial Calibration

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

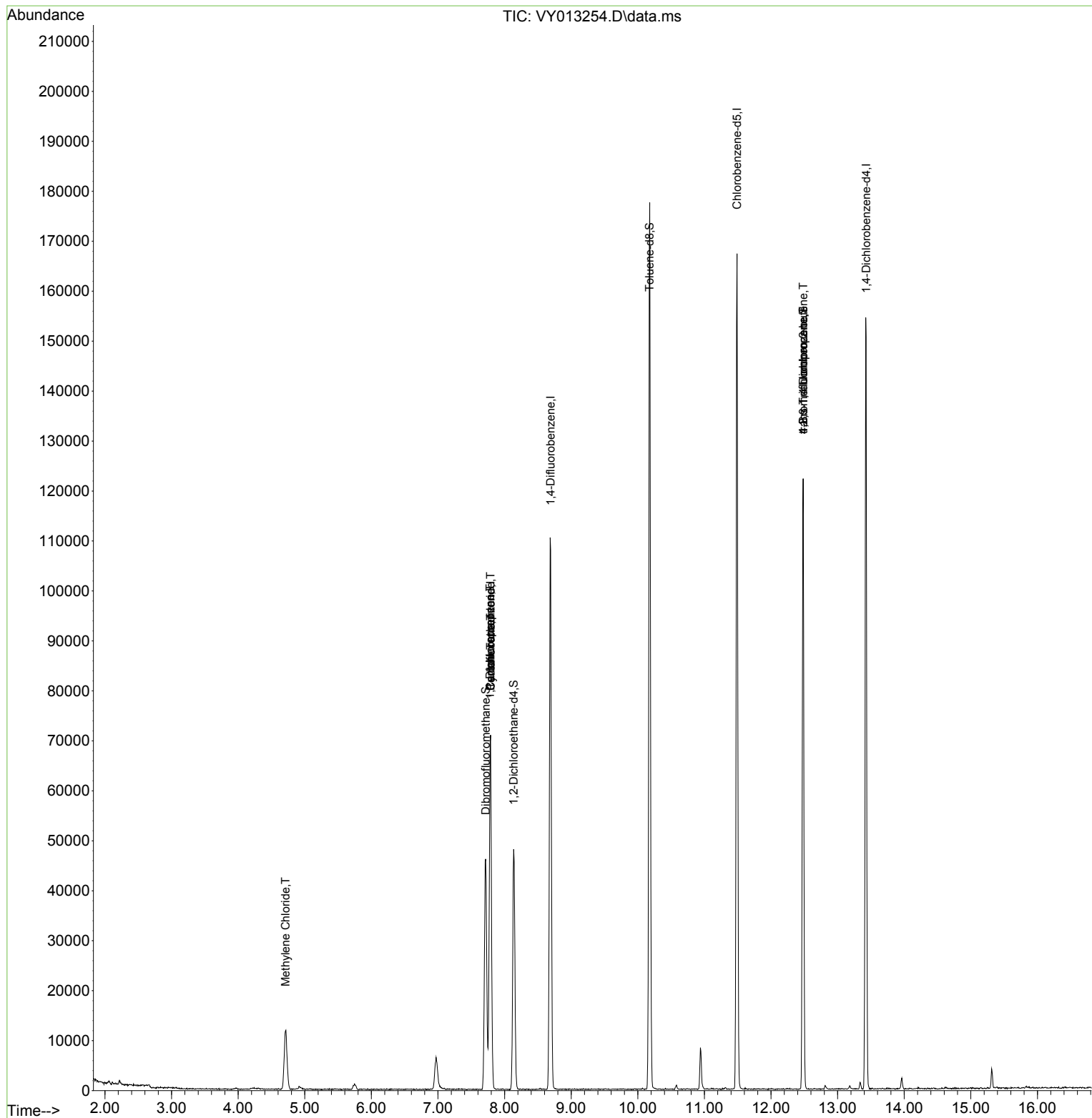
Internal Standards						
1) Pentafluorobenzene	7.789	168	53678	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	90516	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	86713	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	38810	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	38352	63.536	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.080%	
35) Dibromofluoromethane	7.716	113	32528	60.119	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 120.240%	
50) Toluene-d8	10.179	98	113288	59.804	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 119.600%	
62) 4-Bromofluorobenzene	12.483	95	34290	50.691	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 101.380%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	391	Below Cal	#	85
20) Methylene Chloride	4.710	84	8253	6.382	ug/l	97
31) Cyclohexane	7.789	56	1241	1.617	ug/l #	17
36) 1,1-Dichloropropene	7.783	75	4639	6.234	ug/l #	49
38) Carbon Tetrachloride	7.789	117	5378	6.207	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	19319	40.897	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	19319	84.339	ug/l #	13

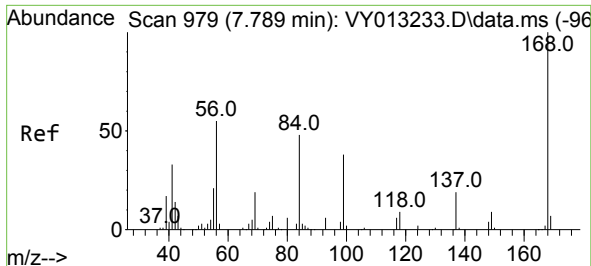
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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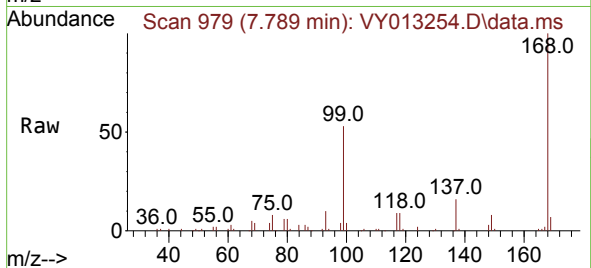
Quant Time: Apr 12 01:38:27 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041123S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 11 11:59:49 2023
Response via : Initial Calibration



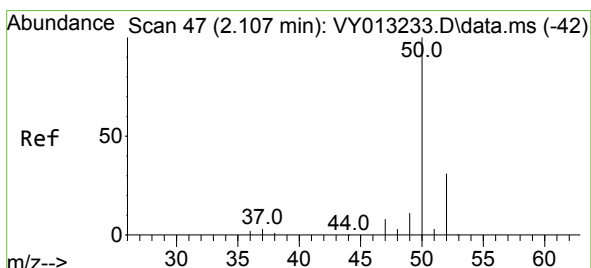
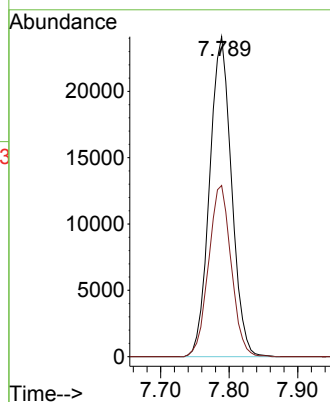
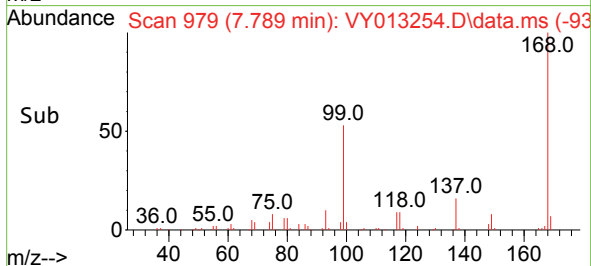


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013254.D
Acq: 11 Apr 2023 19:44

Instrument :
MSVOA_Y
ClientSampleId :
VOC

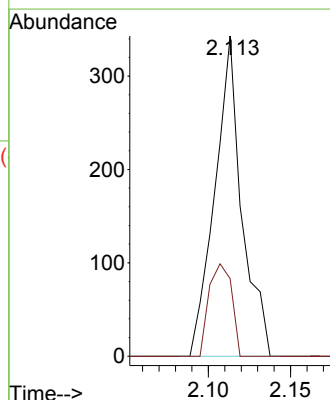
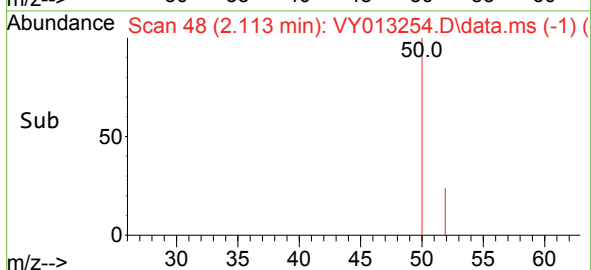
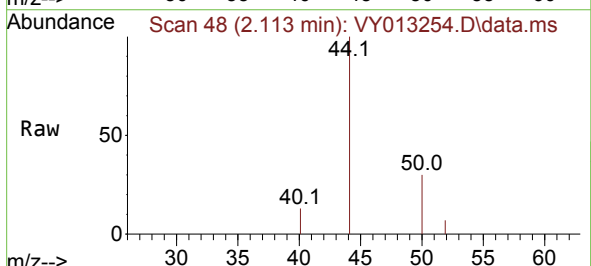


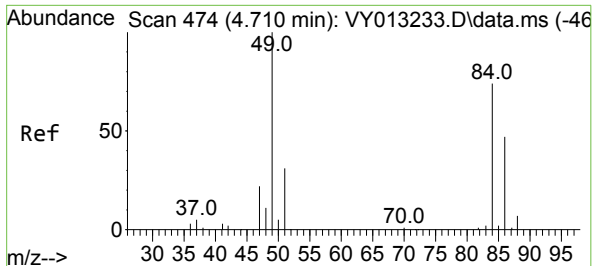
Tgt Ion:168 Resp: 53678
Ion Ratio Lower Upper
168 100
99 53.5 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY013254.D
Acq: 11 Apr 2023 19:44

Tgt Ion: 50 Resp: 391
Ion Ratio Lower Upper
50 100
52 24.2 26.0 39.0#



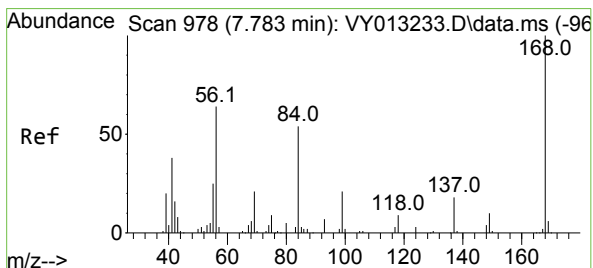
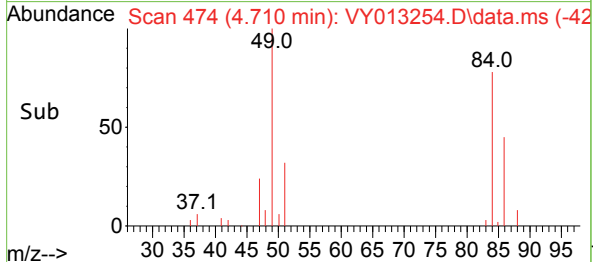
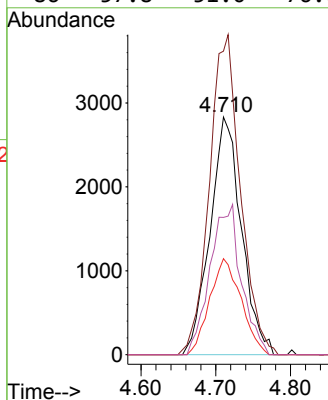
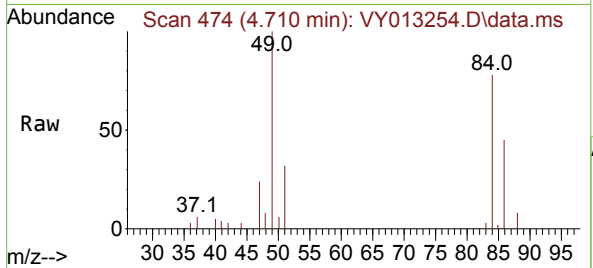


#20
Methylene Chloride
Concen: 6.382 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY013254.D
Acq: 11 Apr 2023 19:44

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion: 84 Resp: 8253

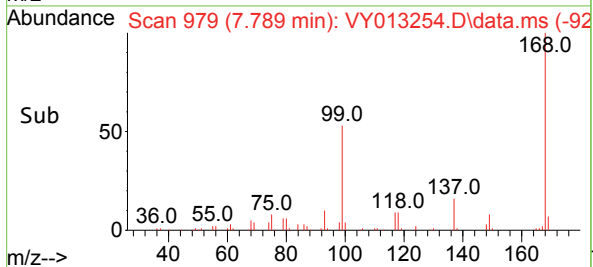
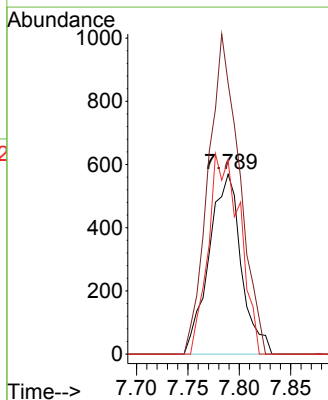
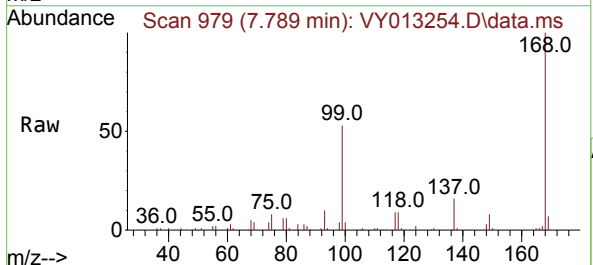
Ion	Ratio	Lower	Upper
84	100		
49	127.8	102.6	154.0
51	40.4	31.9	47.9
86	57.8	51.0	76.6

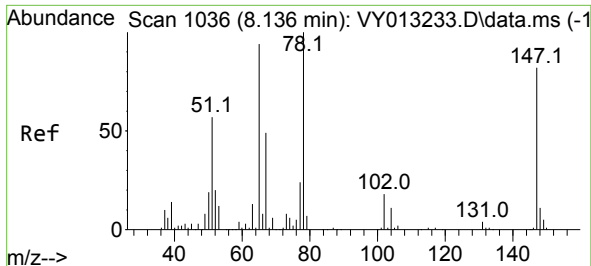


#31
Cyclohexane
Concen: 1.617 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY013254.D
Acq: 11 Apr 2023 19:44

Tgt Ion: 56 Resp: 1241

Ion	Ratio	Lower	Upper
56	100		
69	150.6	25.7	38.5#
84	107.9	64.3	96.5#

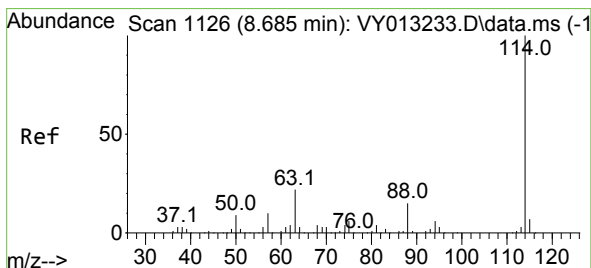
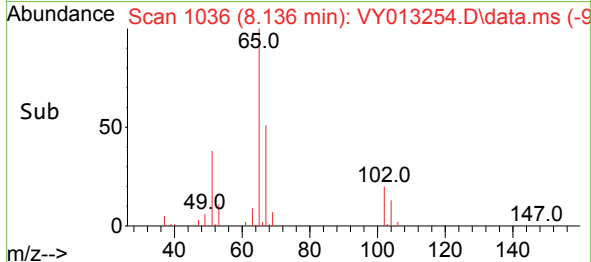
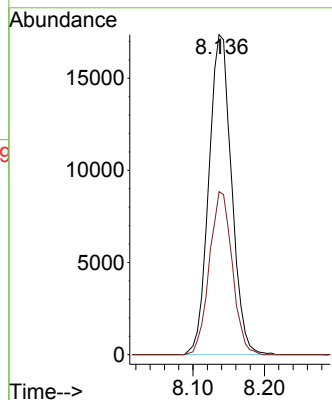
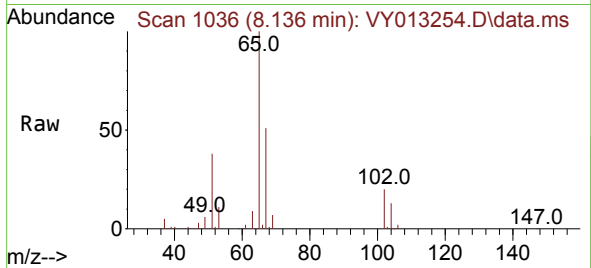




#33
 1,2-Dichloroethane-d4
 Concen: 63.536 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.001 min
 Lab File: VY013254.D
 Acq: 11 Apr 2023 19:44

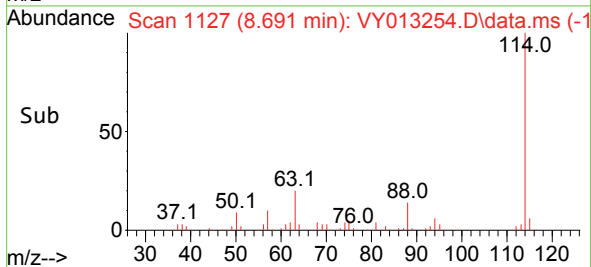
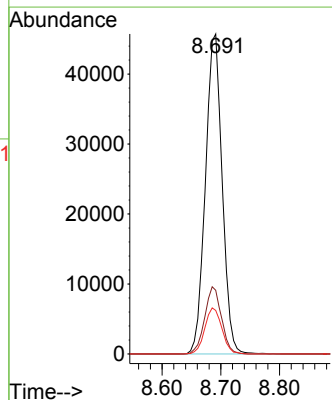
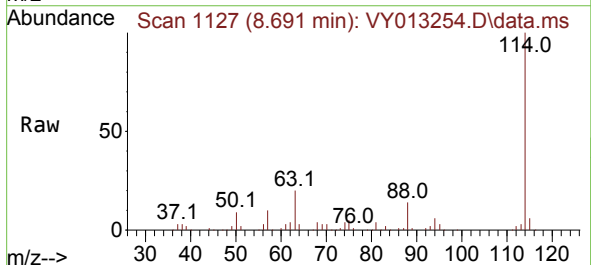
Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

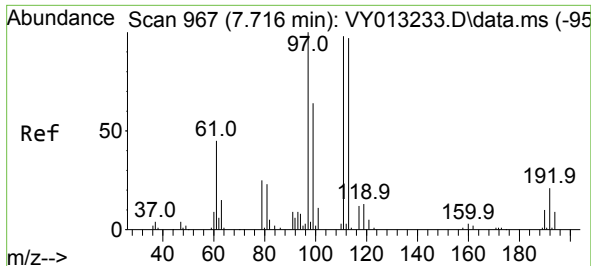
Tgt Ion: 65 Resp: 38352
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VY013254.D
 Acq: 11 Apr 2023 19:44

Tgt Ion: 114 Resp: 90516
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 37.4
 88 13.6 0.0 28.6

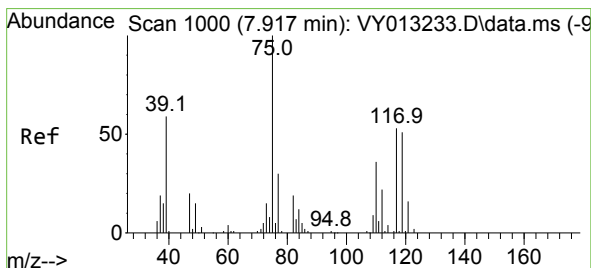
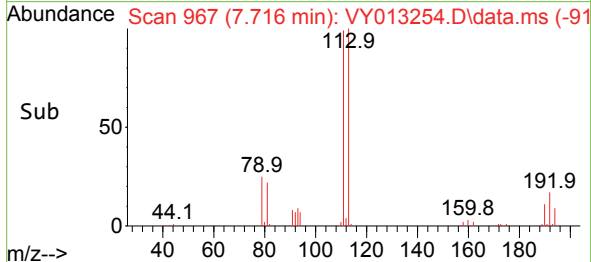
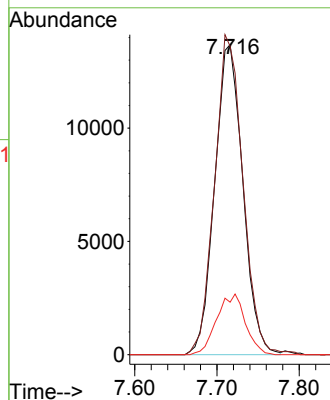
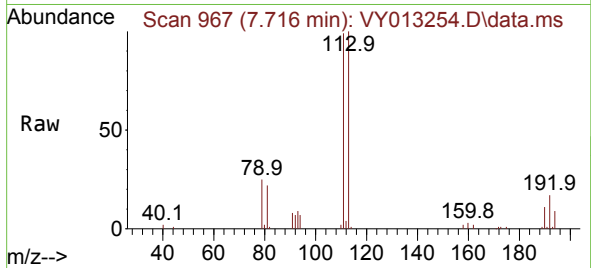




#35
Dibromofluoromethane
Concen: 60.119 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013254.D
Acq: 11 Apr 2023 19:44

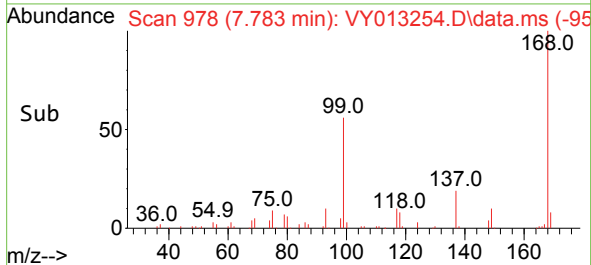
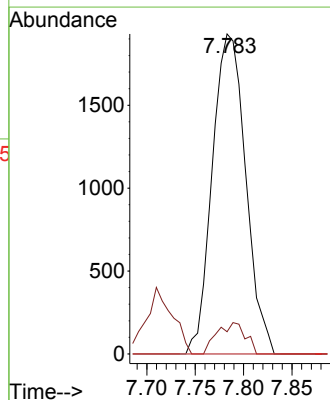
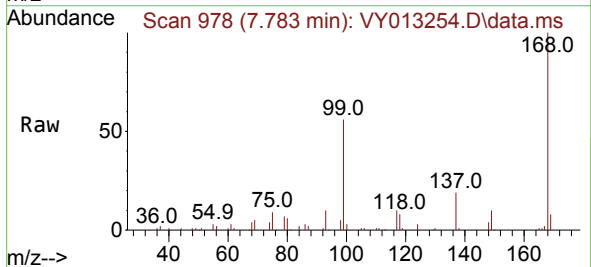
Instrument :
MSVOA_Y
ClientSampleId :
VOC

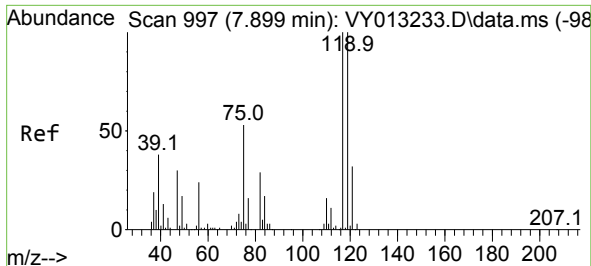
Tgt Ion:113 Resp: 32528
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.2
192 19.9 16.8 25.2



#36
1,1-Dichloropropene
Concen: 6.234 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY013254.D
Acq: 11 Apr 2023 19:44

Tgt Ion: 75 Resp: 4639
Ion Ratio Lower Upper
75 100
110 8.3 17.8 53.3#
77 0.0 25.0 37.4#

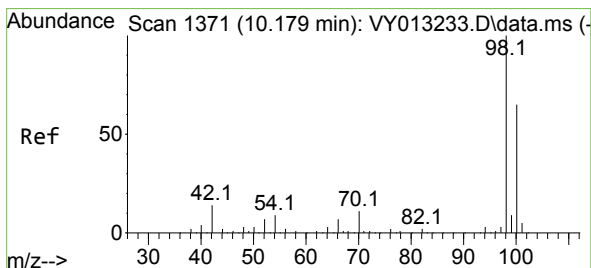
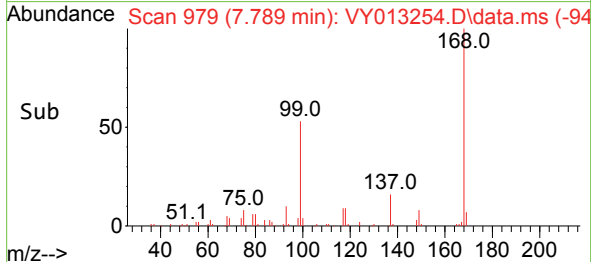
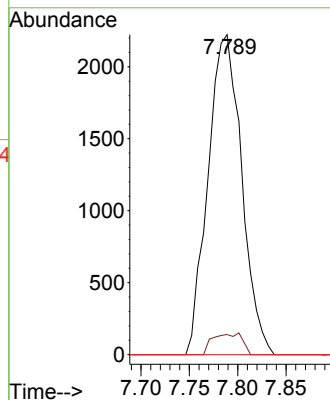
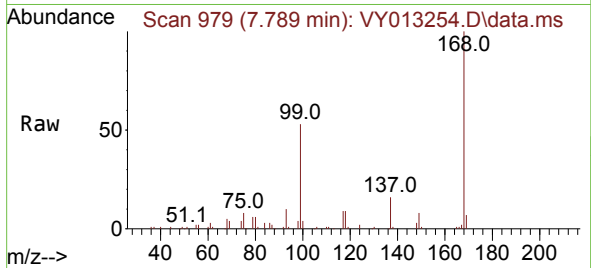




#38
Carbon Tetrachloride
Concen: 6.207 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013254.D
Acq: 11 Apr 2023 19:44

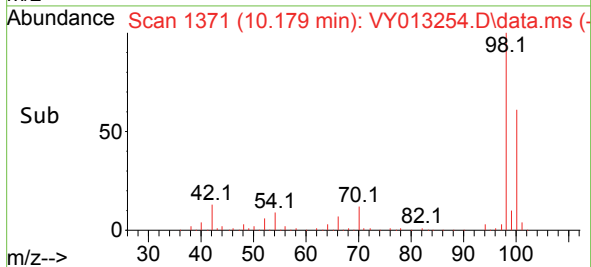
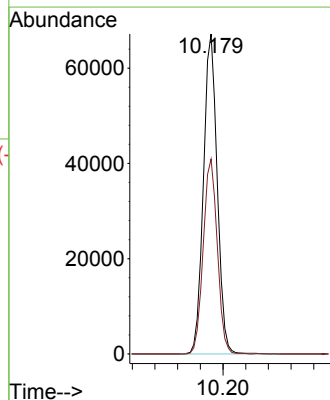
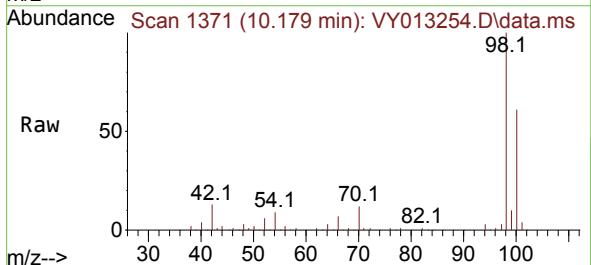
Instrument :
MSVOA_Y
ClientSampleId :
VOC

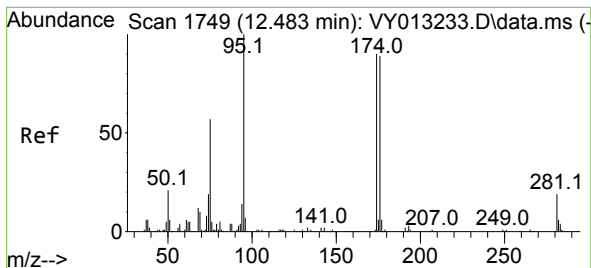
Tgt Ion:117 Resp: 5378
Ion Ratio Lower Upper
117 100
119 6.3 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 59.804 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013254.D
Acq: 11 Apr 2023 19:44

Tgt Ion: 98 Resp: 113288
Ion Ratio Lower Upper
98 100
100 62.1 50.9 76.3





#62

4-Bromofluorobenzene

Concen: 50.691 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY013254.D

Acq: 11 Apr 2023 19:44

Instrument :

MSVOA_Y

ClientSampleId :

VOC

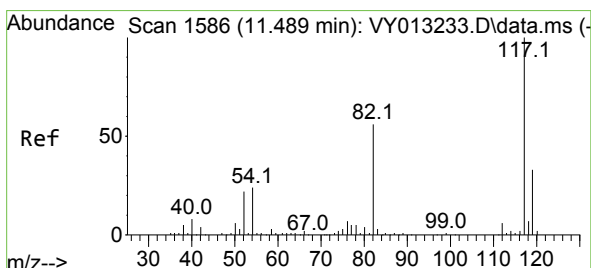
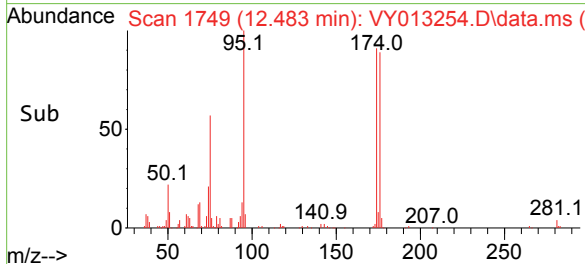
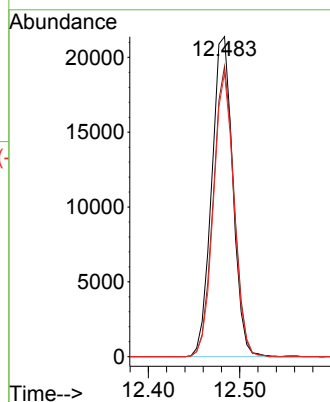
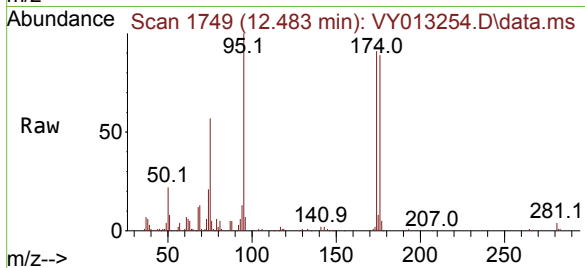
Tgt Ion: 95 Resp: 34290

Ion Ratio Lower Upper

95 100

174 89.5 0.0 176.6

176 86.0 0.0 170.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1586

Delta R.T. 0.001 min

Lab File: VY013254.D

Acq: 11 Apr 2023 19:44

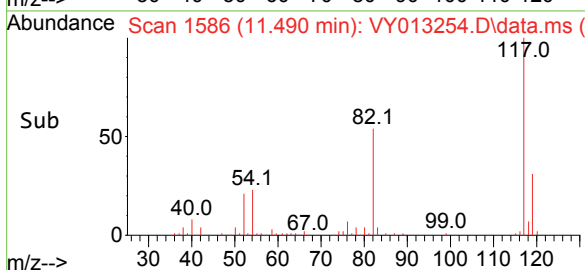
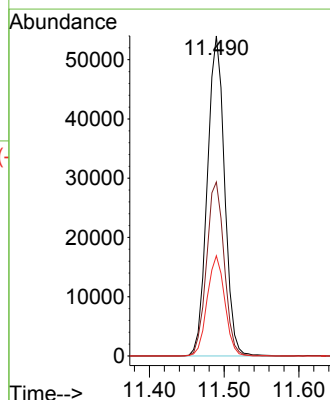
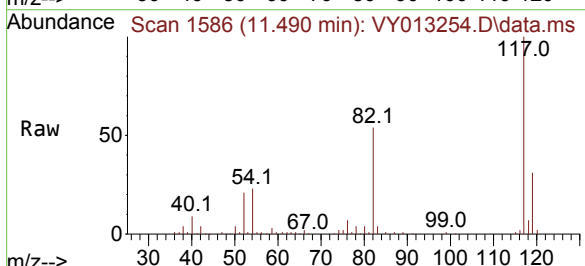
Tgt Ion: 117 Resp: 86713

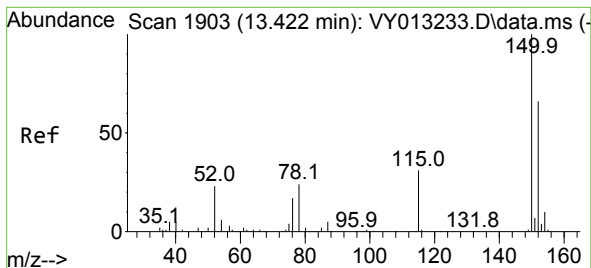
Ion Ratio Lower Upper

117 100

82 54.3 45.4 68.0

119 31.3 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY013254.D

Acq: 11 Apr 2023 19:44

Instrument :

MSVOA_Y

ClientSampleId :

VOC

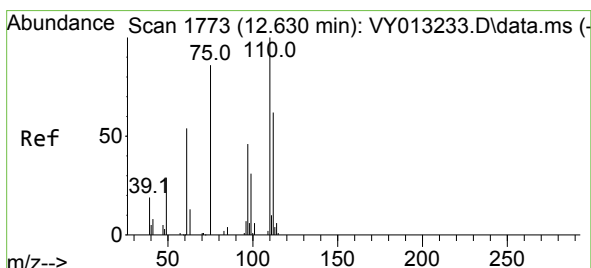
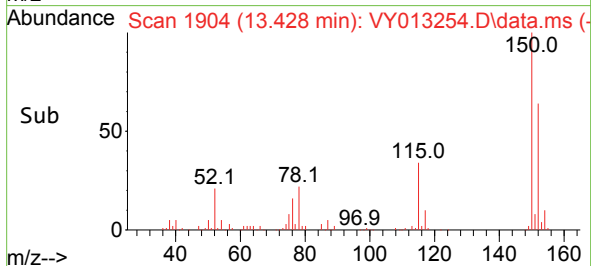
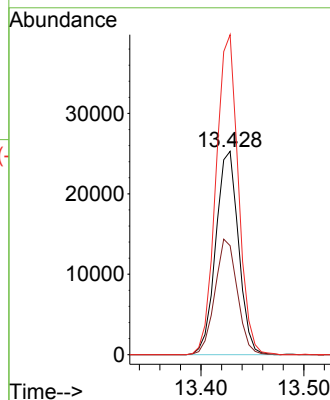
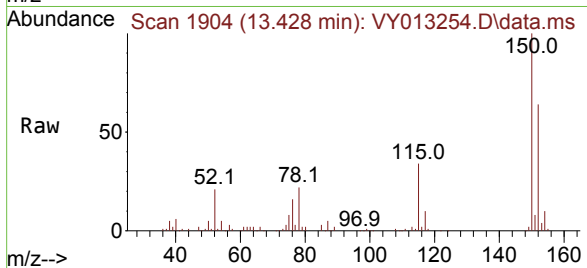
Tgt Ion:152 Resp: 38810

Ion Ratio Lower Upper

152 100

115 56.0 27.1 81.3

150 154.6 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 40.897 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY013254.D

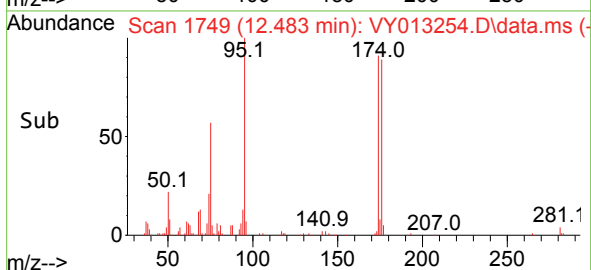
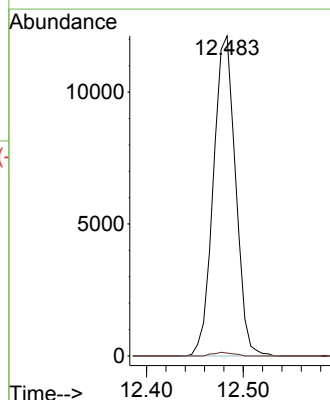
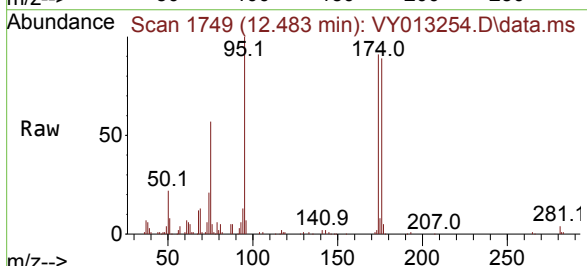
Acq: 11 Apr 2023 19:44

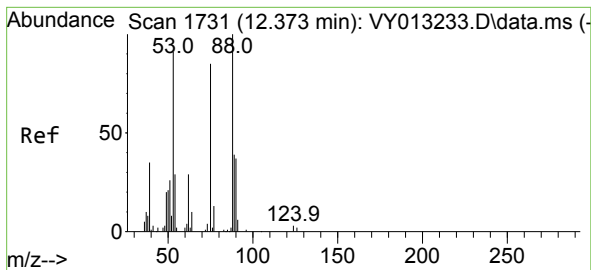
Tgt Ion: 75 Resp: 19319

Ion Ratio Lower Upper

75 100

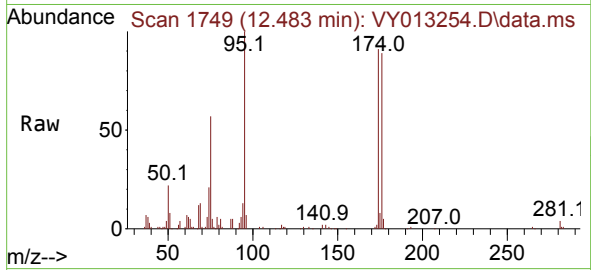
77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.339 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY013254.D
 Acq: 11 Apr 2023 19:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC



Tgt Ion: 75 Resp: 19319
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.4 110.0#
 89 0.0 36.6 55.0#

