

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091324\
 Data File : VY019539.D
 Acq On : 13 Sep 2024 15:12
 Operator : SY/MD
 Sample : P3856-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Sep 13 23:32:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

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

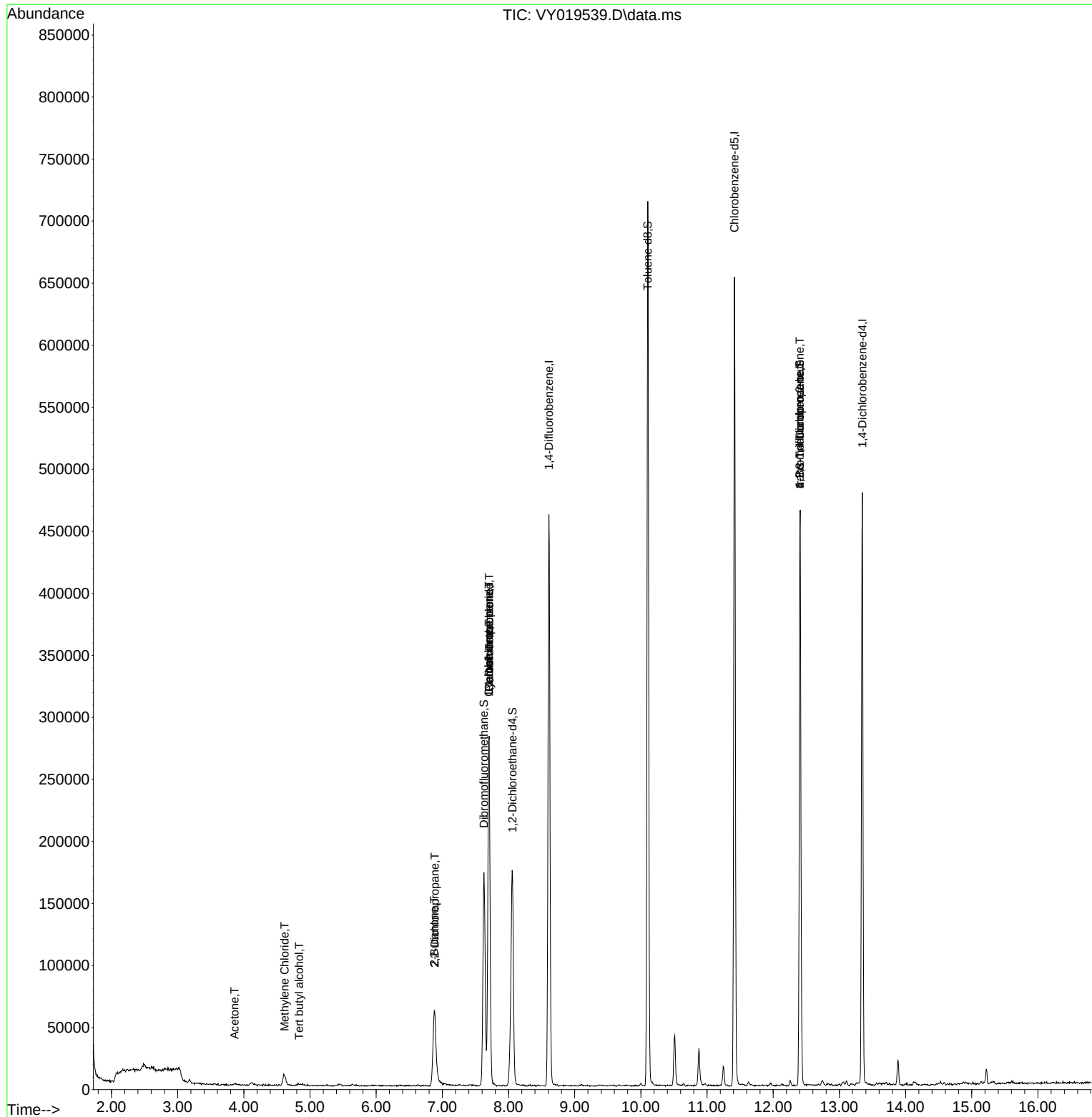
Internal Standards						
1) Pentafluorobenzene	7.707	168	211112	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.610	114	391808	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	332493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	118412	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	124073	63.469	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.940%	
35) Dibromofluoromethane	7.628	113	124107	55.867	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.740%	
50) Toluene-d8	10.103	98	459302	55.898	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.800%	
62) 4-Bromofluorobenzene	12.402	95	142893	45.228	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 90.460%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	240	Below Cal	#	43
11) Tert butyl alcohol	4.836	59	2637	16.704	ug/l	# 97
13) Acrolein	3.659	56	196	Below Cal	#	82
16) Acetone	3.860	43	1880	4.037	ug/l	# 64
20) Methylene Chloride	4.616	84	6068	2.857	ug/l	# 89
25) 2-Butanone	6.878	43	4319	6.521	ug/l	# 77
26) 2,2-Dichloropropane	6.884	77	5217	1.494	ug/l	# 51
31) Cyclohexane	7.701	56	5194	1.485	ug/l	# 1
36) 1,1-Dichloropropene	7.701	75	19500	6.451	ug/l	# 49
38) Carbon Tetrachloride	7.707	117	21589	6.333	ug/l	# 16
76) 1,2,3-Trichloropropane	12.402	75	76395	68.833	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.402	75	76395	132.139	ug/l	# 16

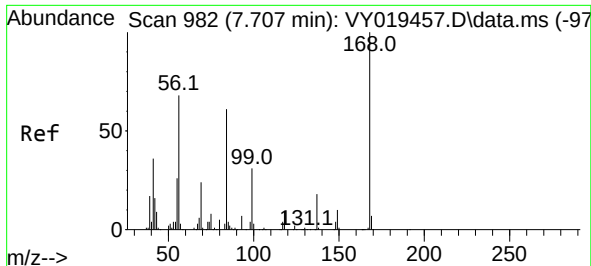
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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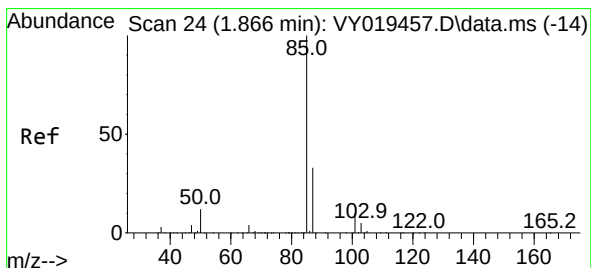
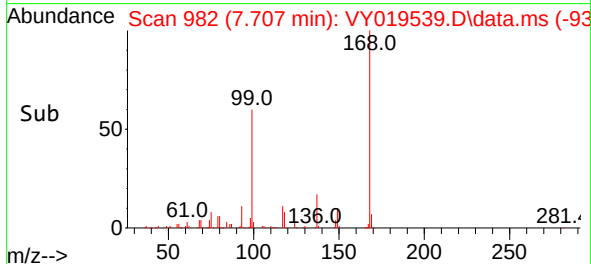
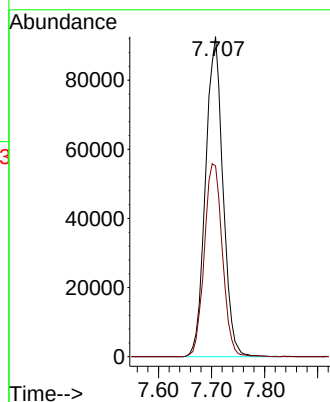
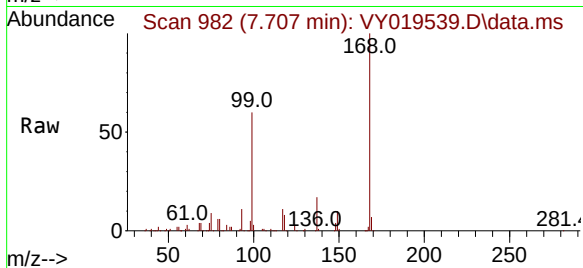




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019539.D
Acq: 13 Sep 2024 15:12

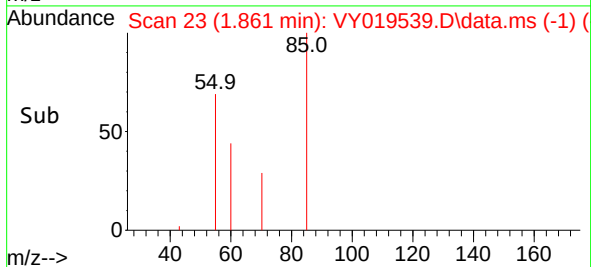
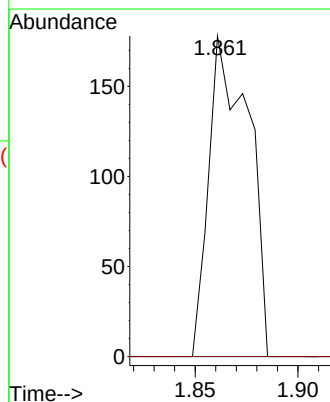
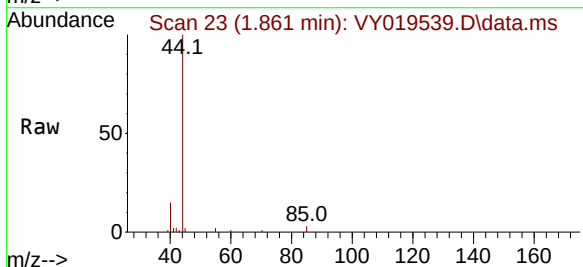
Instrument :
MSVOA_Y
ClientSampleId :
VOC

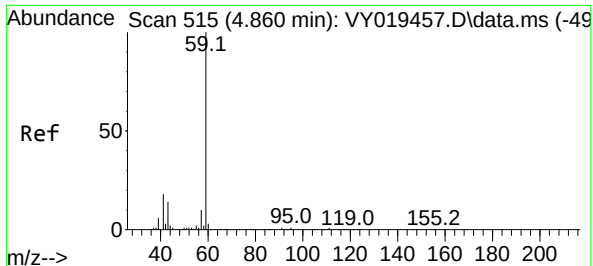
Tgt Ion:168 Resp: 211112
Ion Ratio Lower Upper
168 100
99 59.6 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.861 min Scan# 23
Delta R.T. -0.005 min
Lab File: VY019539.D
Acq: 13 Sep 2024 15:12

Tgt Ion: 85 Resp: 240
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#

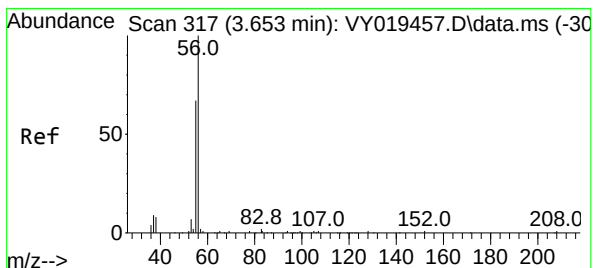
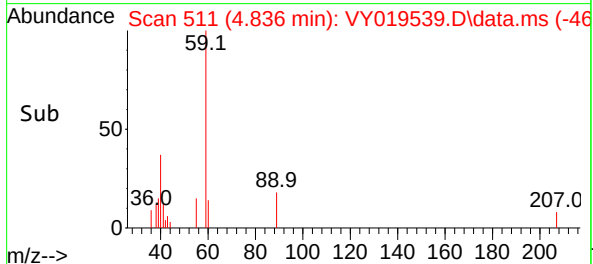
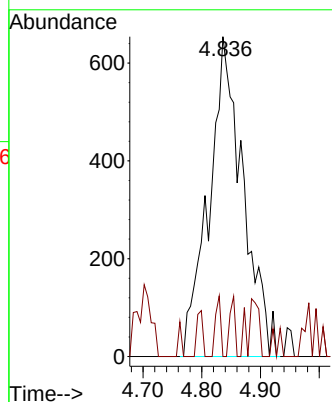
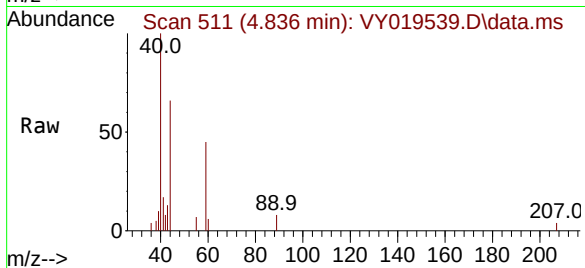




#11
Tert butyl alcohol
Concen: 16.704 ug/l
RT: 4.836 min Scan# 511
Delta R.T. -0.024 min
Lab File: VY019539.D
Acq: 13 Sep 2024 15:12

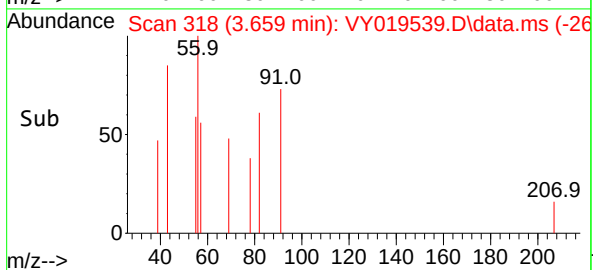
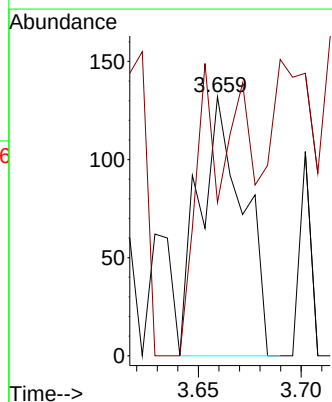
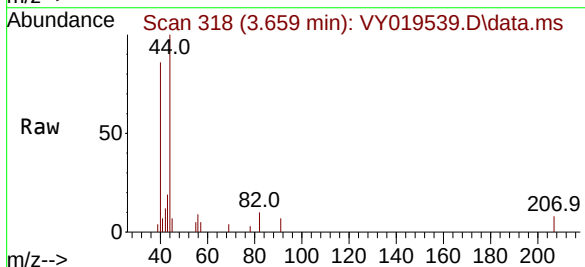
Instrument :
MSVOA_Y
ClientSampleId :
VOC

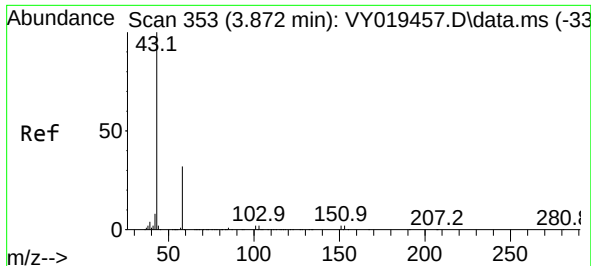
Tgt Ion: 59 Resp: 2637
Ion Ratio Lower Upper
59 100
57 2.9 3.0 4.6#



#13
Acrolein
Concen: Below Cal
RT: 3.659 min Scan# 318
Delta R.T. 0.006 min
Lab File: VY019539.D
Acq: 13 Sep 2024 15:12

Tgt Ion: 56 Resp: 196
Ion Ratio Lower Upper
56 100
55 54.6 55.7 83.5#

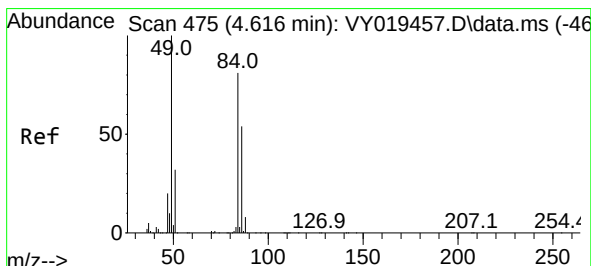
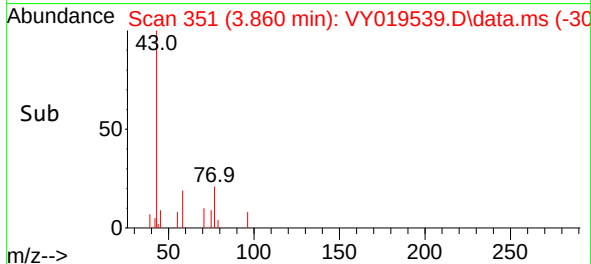
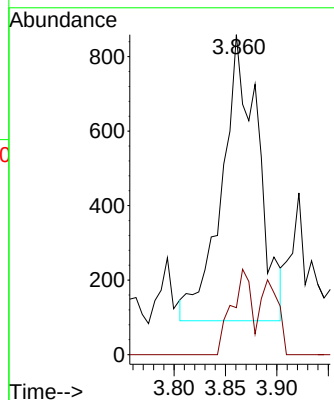
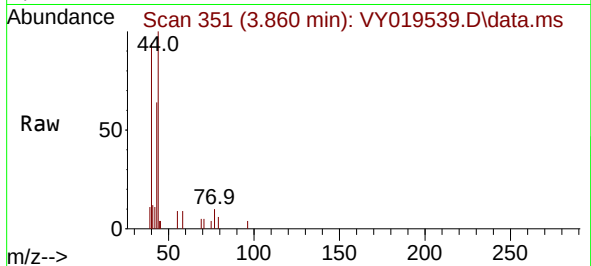




#16
Acetone
Concen: 4.037 ug/l
RT: 3.860 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY019539.D
Acq: 13 Sep 2024 15:12

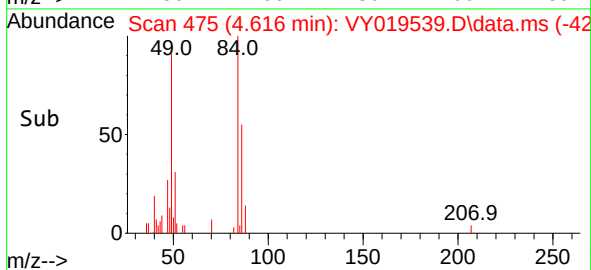
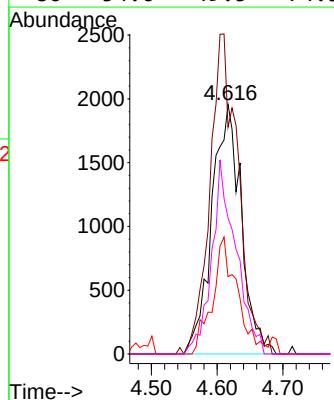
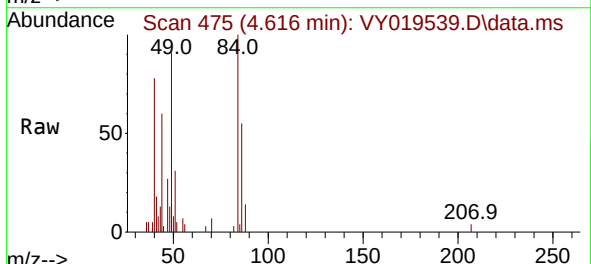
Instrument :
MSVOA_Y
ClientSampleId :
VOC

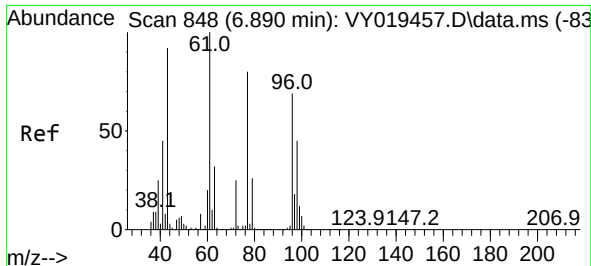
Tgt Ion: 43 Resp: 1880
Ion Ratio Lower Upper
43 100
58 17.7 31.7 47.5#



#20
Methylene Chloride
Concen: 2.857 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY019539.D
Acq: 13 Sep 2024 15:12

Tgt Ion: 84 Resp: 6068
Ion Ratio Lower Upper
84 100
49 91.0 84.4 126.6
51 31.1 26.0 39.0
86 54.6 49.5 74.3

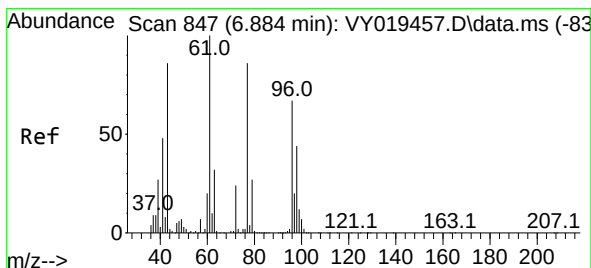
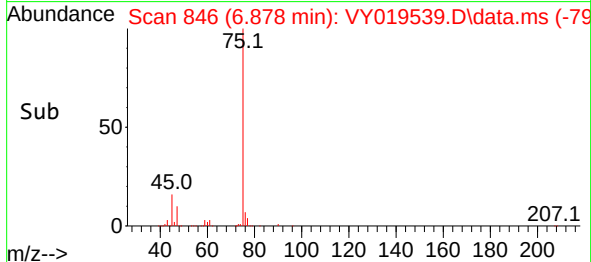
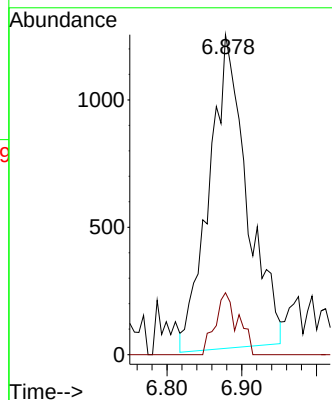
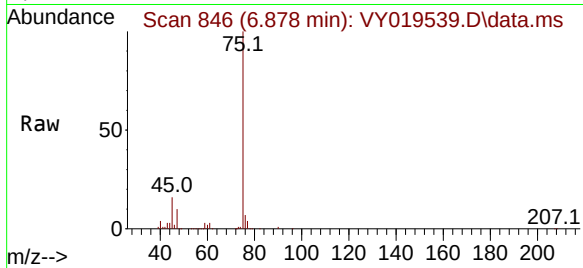




#25
2-Butanone
Concen: 6.521 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY019539.D
Acq: 13 Sep 2024 15:12

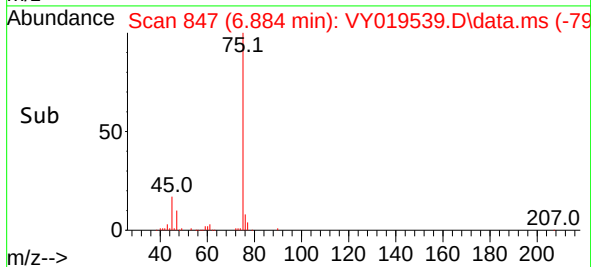
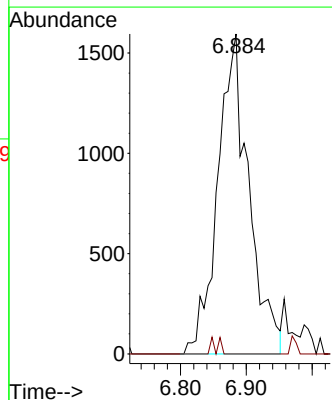
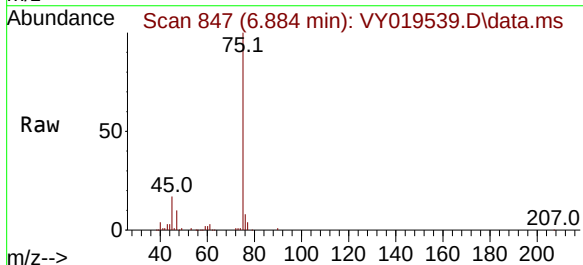
Instrument :
MSVOA_Y
ClientSampleId :
VOC

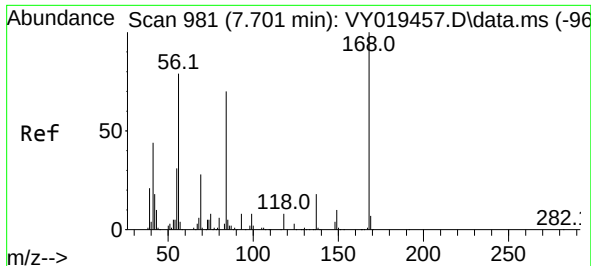
Tgt Ion: 43 Resp: 4319
Ion Ratio Lower Upper
43 100
72 20.7 27.3 40.9#



#26
2,2-Dichloropropane
Concen: 1.494 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY019539.D
Acq: 13 Sep 2024 15:12

Tgt Ion: 77 Resp: 5217
Ion Ratio Lower Upper
77 100
97 0.0 12.0 36.1#

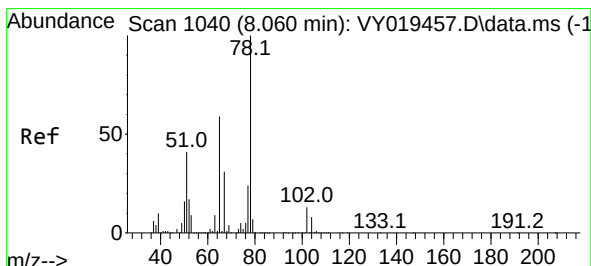
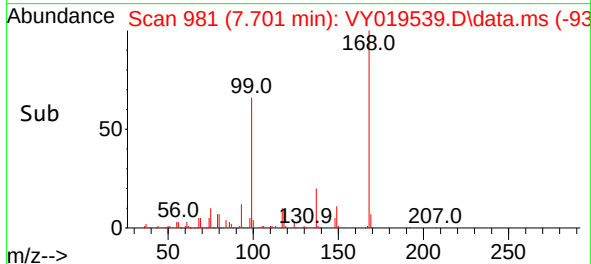
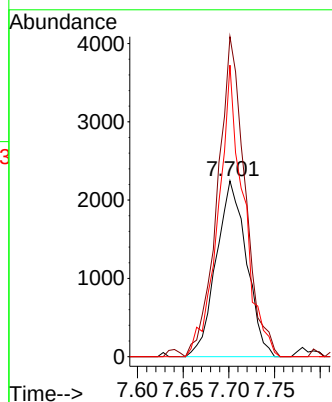
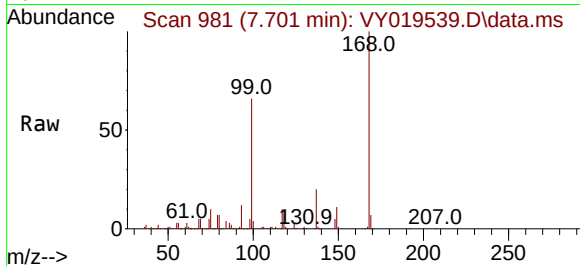




#31
Cyclohexane
Concen: 1.485 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY019539.D
Acq: 13 Sep 2024 15:12

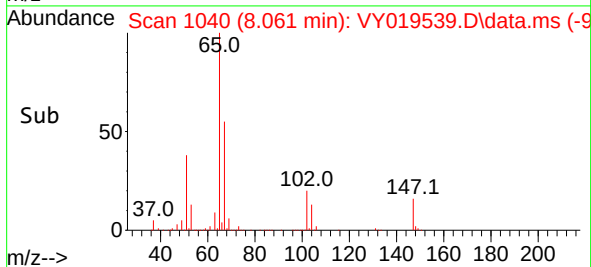
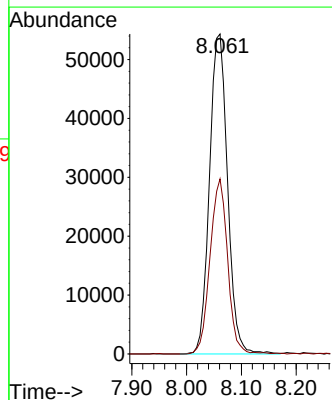
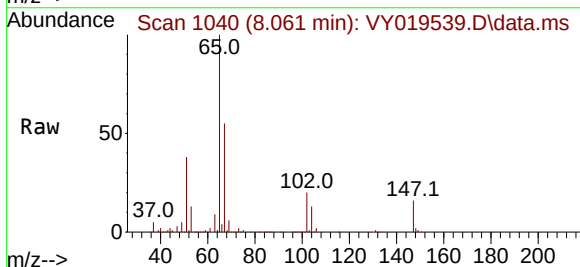
Instrument :
MSVOA_Y
ClientSampleId :
VOC

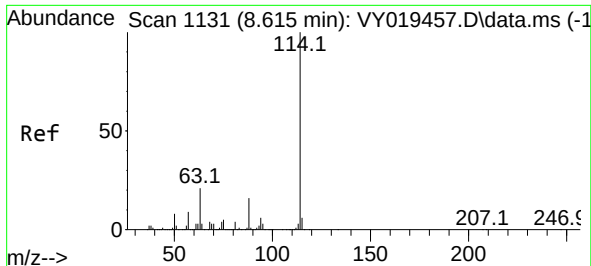
Tgt Ion: 56 Resp: 5194
Ion Ratio Lower Upper
56 100
69 181.9 28.7 43.1#
84 165.7 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 63.469 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019539.D
Acq: 13 Sep 2024 15:12

Tgt Ion: 65 Resp: 124073
Ion Ratio Lower Upper
65 100
67 53.3 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY019539.D

Acq: 13 Sep 2024 15:12

Instrument :

MSVOA_Y

ClientSampleId :

VOC

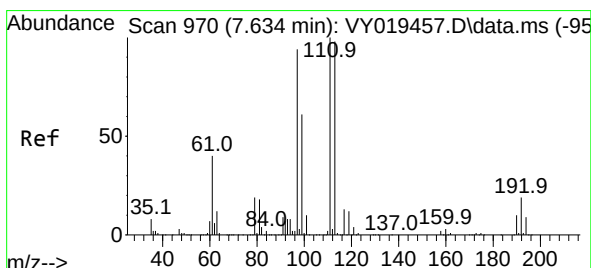
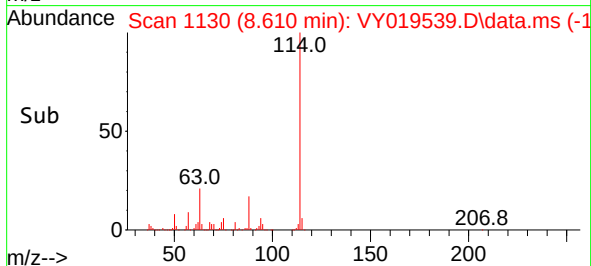
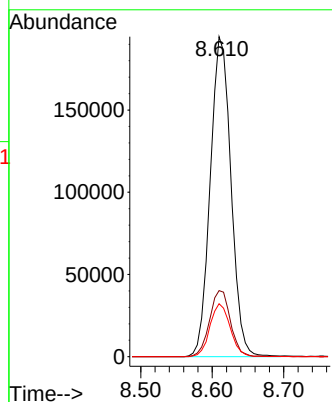
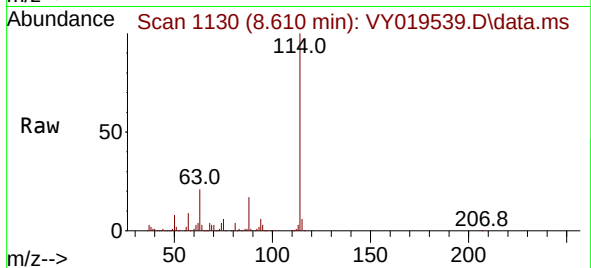
Tgt Ion:114 Resp: 391808

Ion Ratio Lower Upper

114 100

63 20.7 0.0 35.0

88 16.6 0.0 27.2



#35

Dibromofluoromethane

Concen: 55.867 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY019539.D

Acq: 13 Sep 2024 15:12

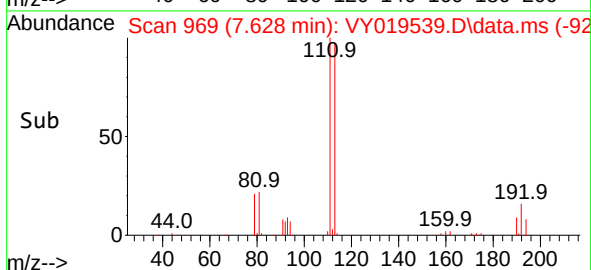
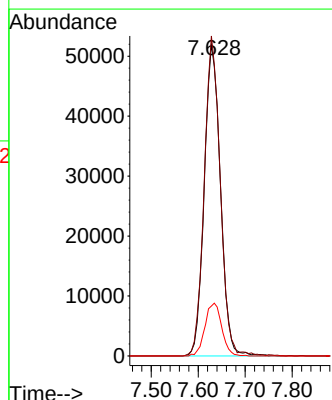
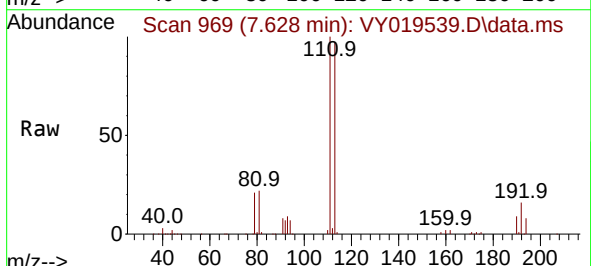
Tgt Ion:113 Resp: 124107

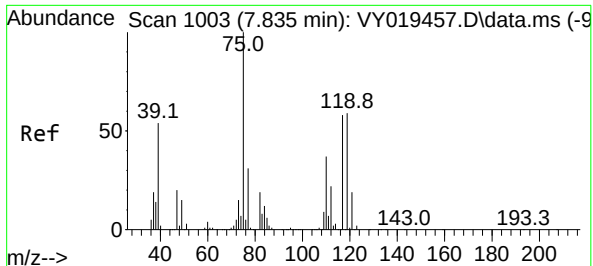
Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.4

192 17.6 15.9 23.9





#36

1,1-Dichloropropene

Concen: 6.451 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.134 min

Lab File: VY019539.D

Acq: 13 Sep 2024 15:12

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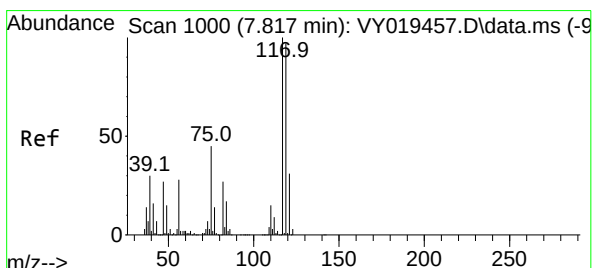
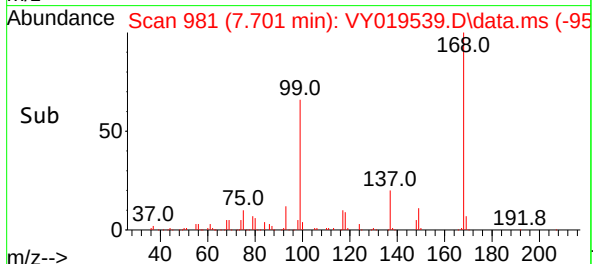
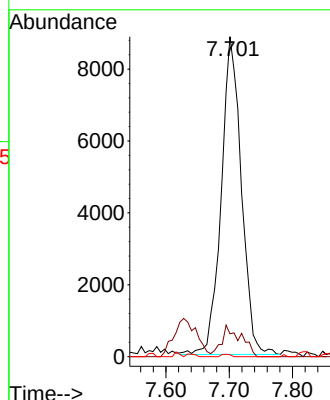
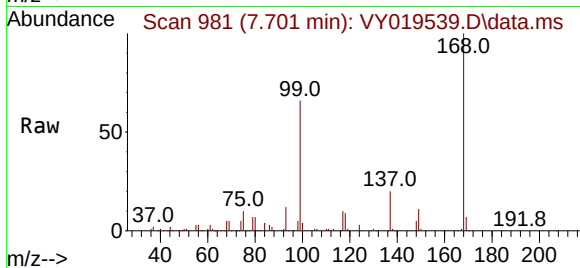
Tgt Ion: 75 Resp: 19500

Ion Ratio Lower Upper

75 100

110 9.5 19.0 57.0#

77 0.3 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 6.333 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.109 min

Lab File: VY019539.D

Acq: 13 Sep 2024 15:12

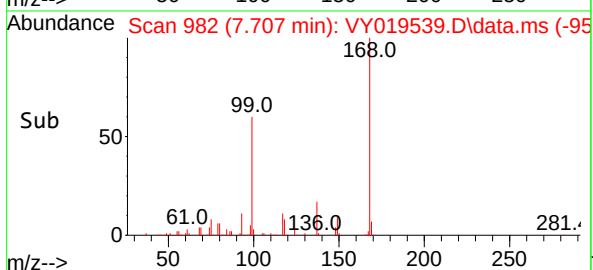
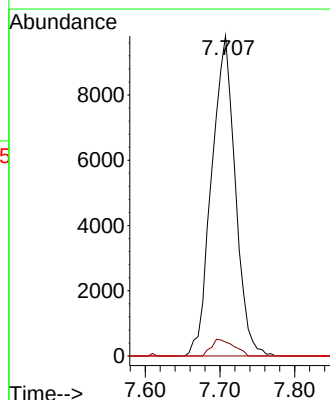
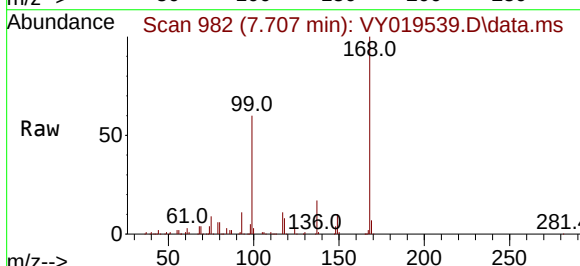
Tgt Ion: 117 Resp: 21589

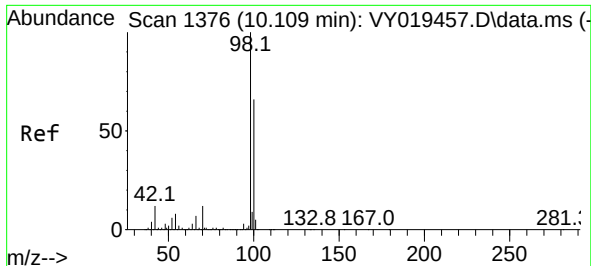
Ion Ratio Lower Upper

117 100

119 4.4 75.8 113.6#

121 0.0 24.0 36.0#

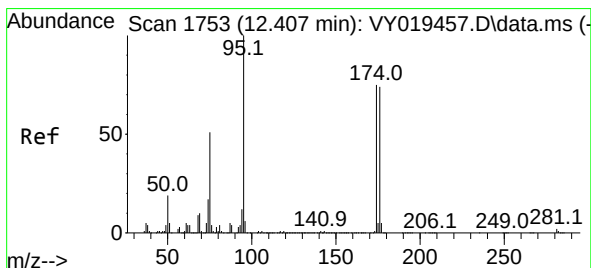
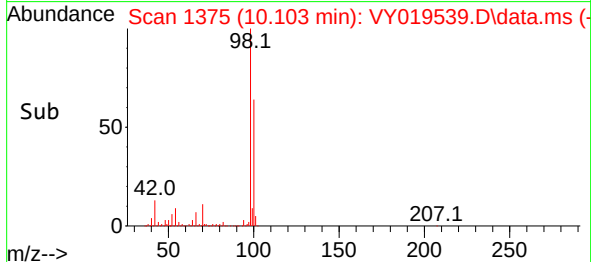
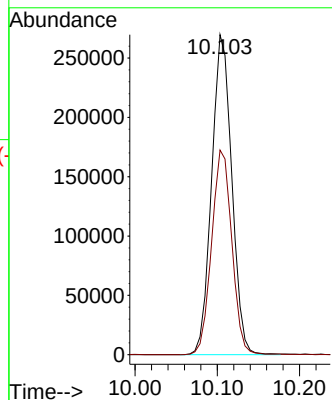
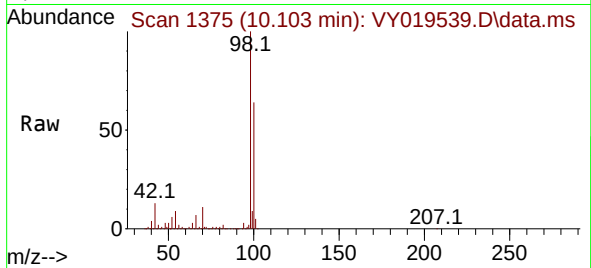




#50
Toluene-d8
Concen: 55.898 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019539.D
Acq: 13 Sep 2024 15:12

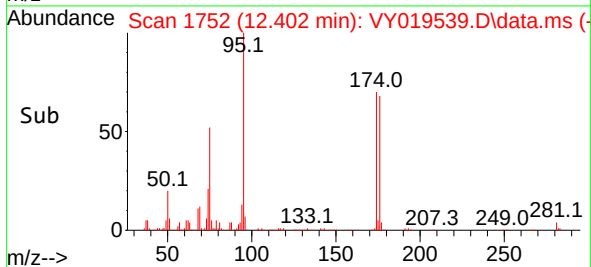
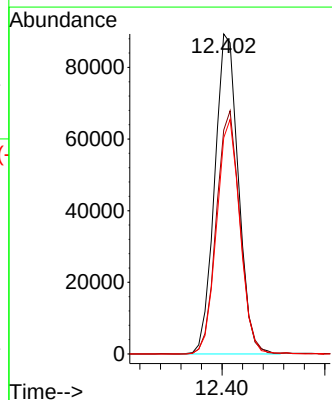
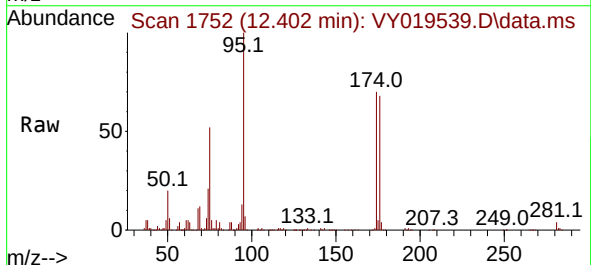
Instrument :
MSVOA_Y
ClientSampleId :
VOC

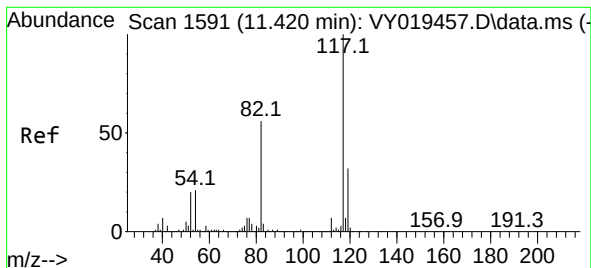
Tgt Ion: 98 Resp: 459302
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 45.228 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019539.D
Acq: 13 Sep 2024 15:12

Tgt Ion: 95 Resp: 142893
Ion Ratio Lower Upper
95 100
174 75.6 0.0 175.6
176 72.2 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019539.D

Acq: 13 Sep 2024 15:12

Instrument :

MSVOA_Y

ClientSampleId :

VOC

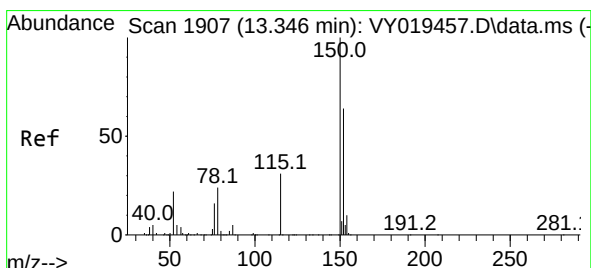
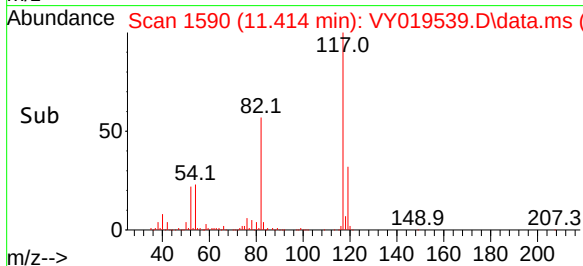
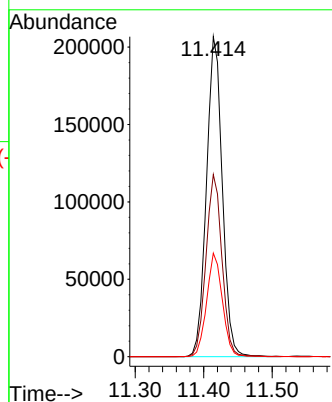
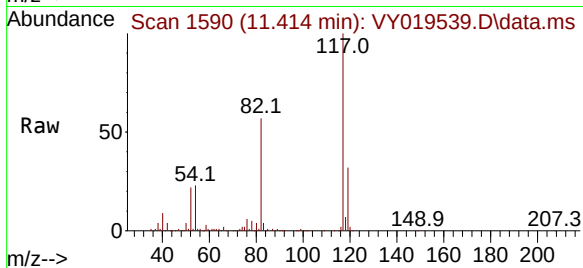
Tgt Ion:117 Resp: 332493

Ion Ratio Lower Upper

117 100

82 56.9 42.4 63.6

119 32.4 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019539.D

Acq: 13 Sep 2024 15:12

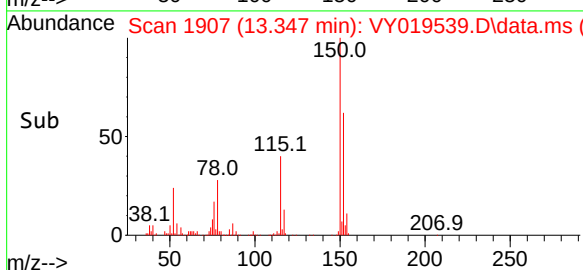
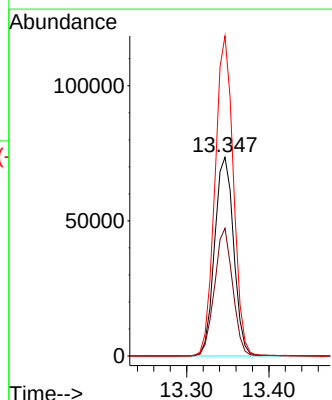
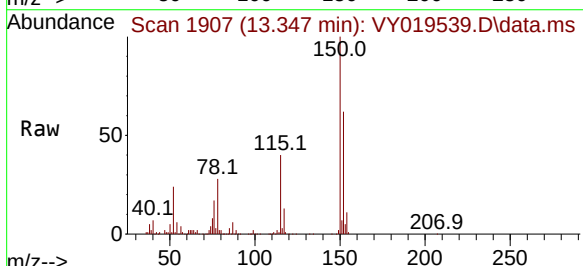
Tgt Ion:152 Resp: 118412

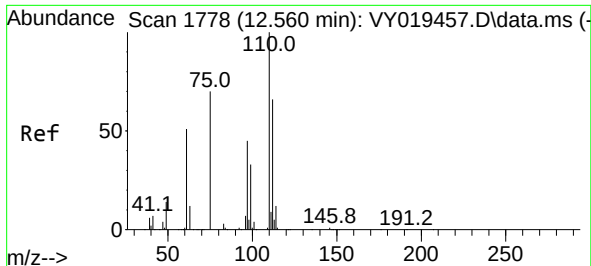
Ion Ratio Lower Upper

152 100

115 61.4 28.2 84.7

150 155.6 0.0 345.6

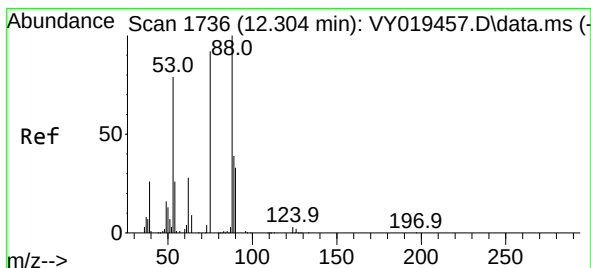
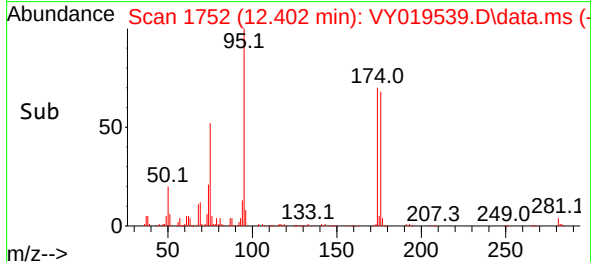
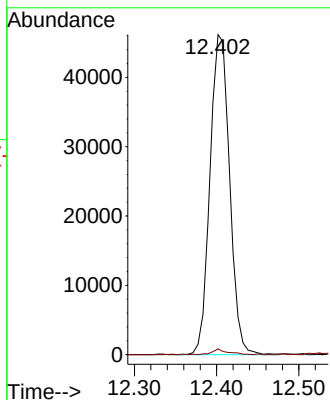
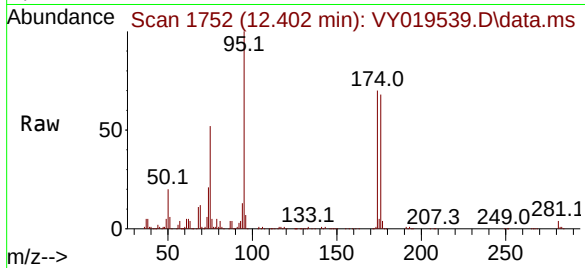




#76
1,2,3-Trichloropropane
Concen: 68.833 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.158 min
Lab File: VY019539.D
Acq: 13 Sep 2024 15:12

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion: 75 Resp: 76395
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 132.139 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY019539.D
Acq: 13 Sep 2024 15:12

Tgt Ion: 75 Resp: 76395
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.3 35.8 53.6#

