

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091324\
 Data File : VY019544.D
 Acq On : 13 Sep 2024 17:09
 Operator : SY/MD
 Sample : P3976-03
 Misc : 4.46g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RW-2-VOC

Quant Time: Sep 13 23:34:46 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)

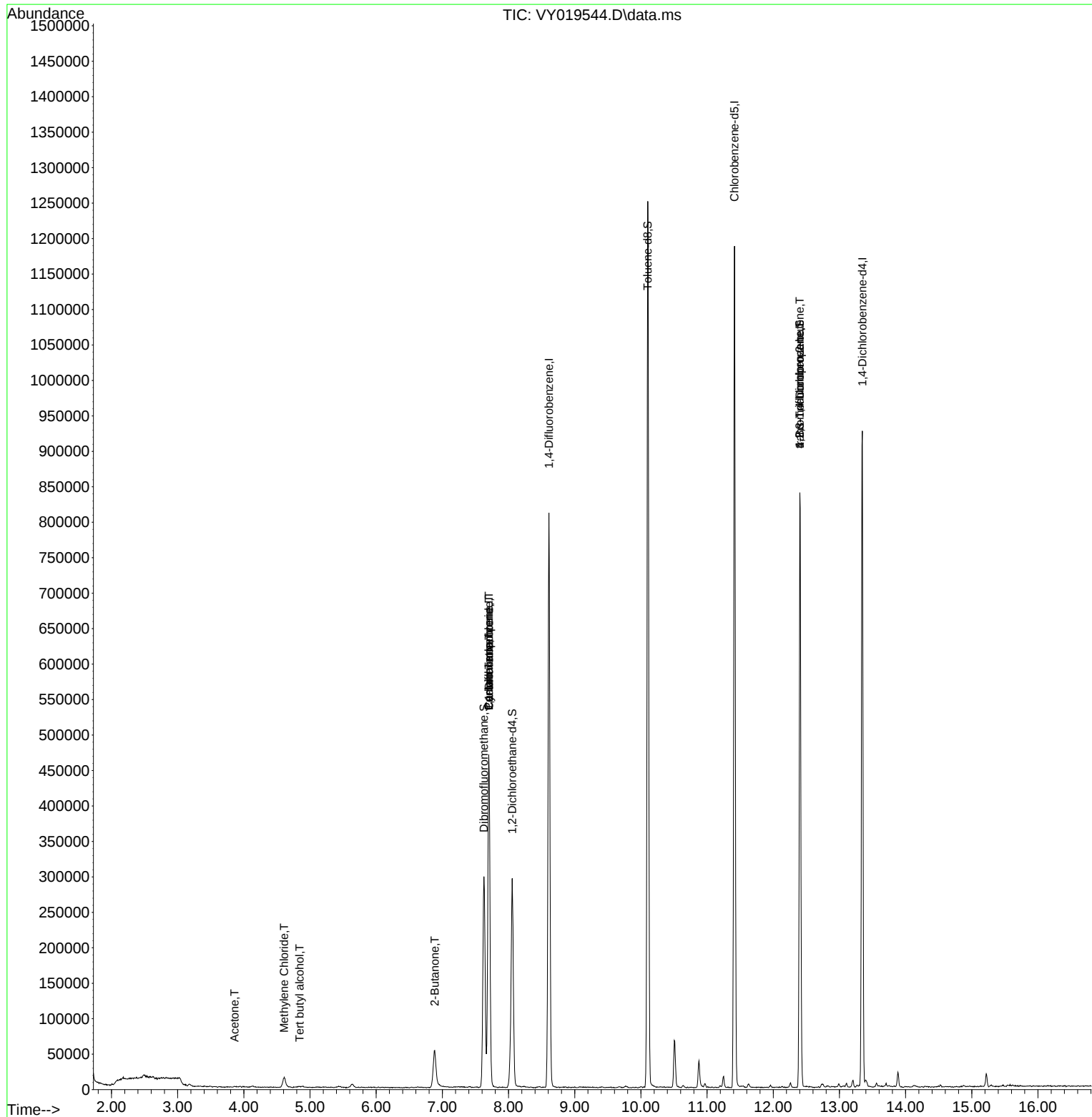
Internal Standards						
1) Pentafluorobenzene	7.701	168	346229	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.609	114	670648	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	598146	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	226286	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	211514	65.974	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 131.940%	
35) Dibromofluoromethane	7.628	113	212311	55.835	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.680%	
50) Toluene-d8	10.103	98	792803	56.370	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 112.740%	
62) 4-Bromofluorobenzene	12.401	95	264148	48.845	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 97.700%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	256	Below Cal		99
11) Tert butyl alcohol	4.842	59	1386	5.353	ug/l #	86
13) Acrolein	3.653	56	22	Below Cal	#	1
16) Acetone	3.860	43	1709	2.238	ug/l #	72
20) Methylene Chloride	4.610	84	9788	2.810	ug/l #	86
25) 2-Butanone	6.884	43	3926	3.614	ug/l #	60
31) Cyclohexane	7.701	56	8800	1.534	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	30863	5.965	ug/l #	48
38) Carbon Tetrachloride	7.701	117	37361	6.403	ug/l #	16
76) 1,2,3-Trichloropropane	12.401	75	141489	66.710	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	141489	128.064	ug/l #	16

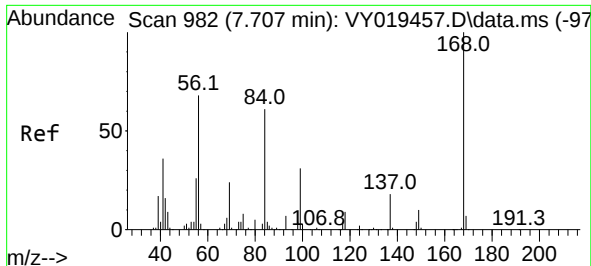
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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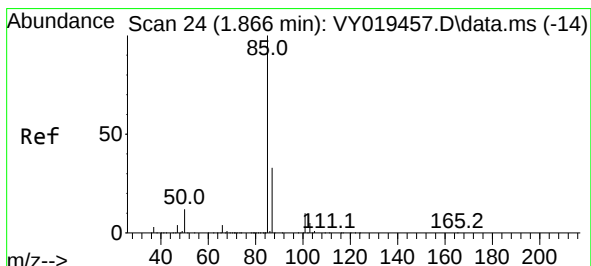
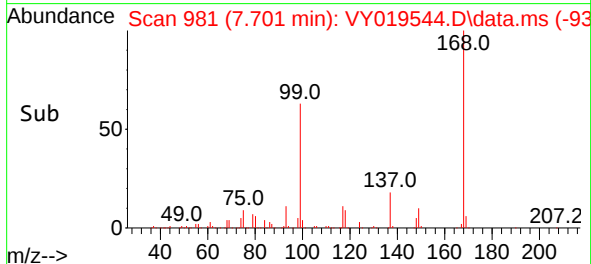
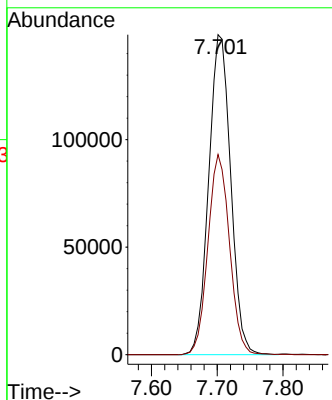
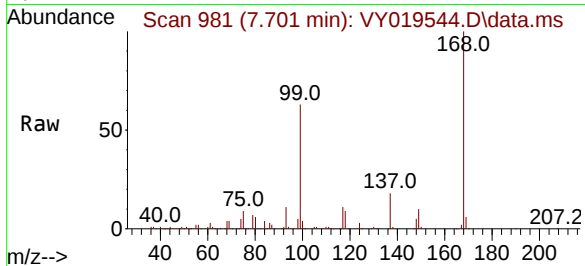




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019544.D
Acq: 13 Sep 2024 17:09

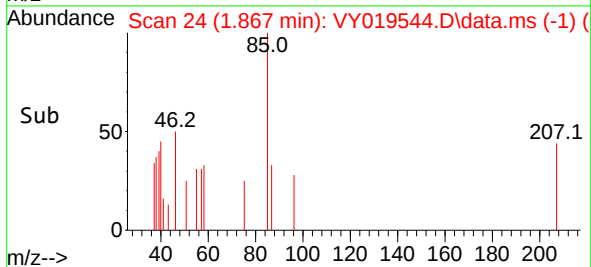
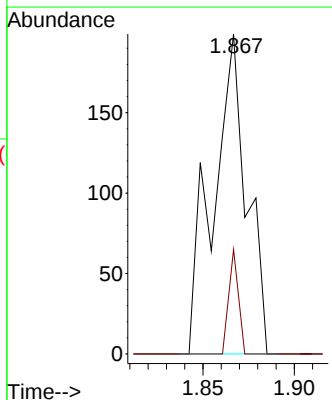
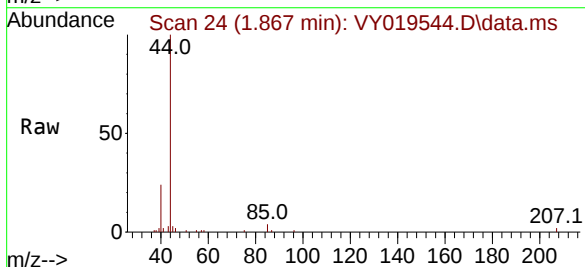
Instrument :
MSVOA_Y
ClientSampleId :
RW-2-VOC

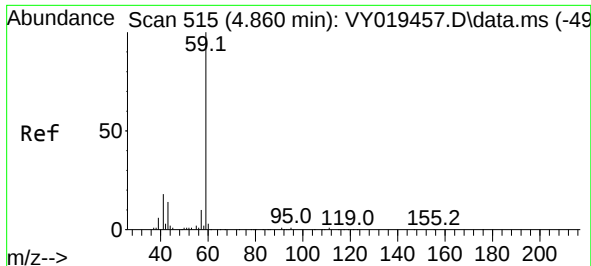
Tgt Ion:168 Resp: 346229
Ion Ratio Lower Upper
168 100
99 62.6 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.867 min Scan# 24
Delta R.T. 0.001 min
Lab File: VY019544.D
Acq: 13 Sep 2024 17:09

Tgt Ion: 85 Resp: 256
Ion Ratio Lower Upper
85 100
87 32.7 16.0 48.0

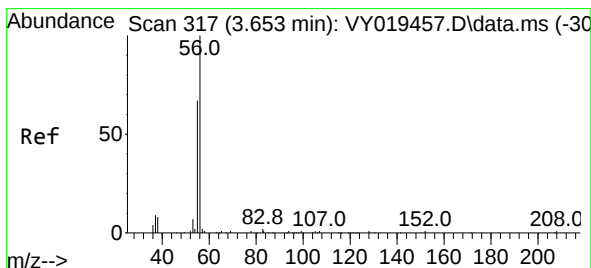
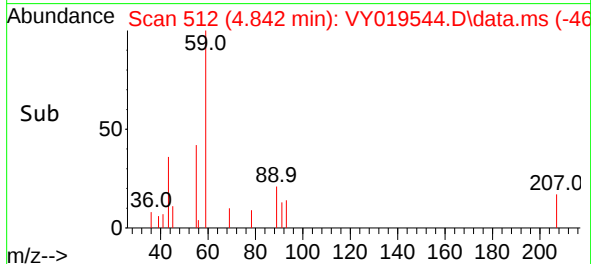
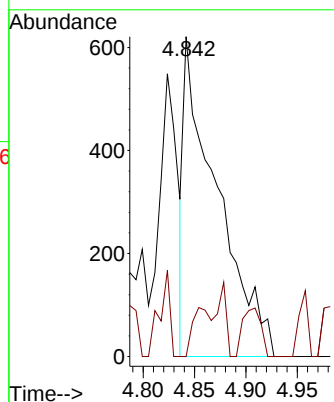
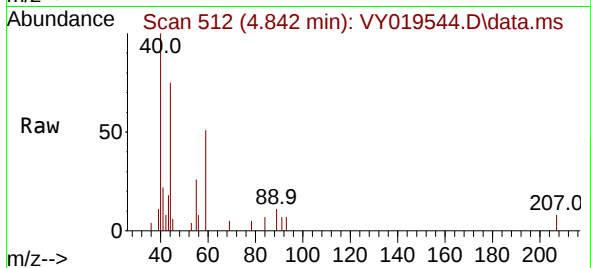




#11
Tert butyl alcohol
Concen: 5.353 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.018 min
Lab File: VY019544.D
Acq: 13 Sep 2024 17:09

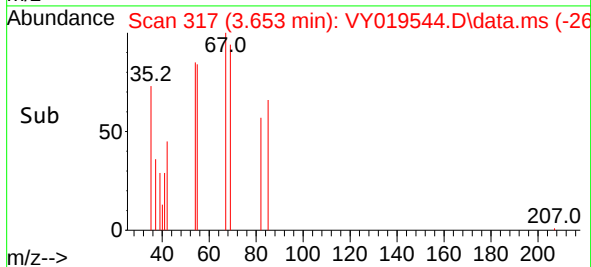
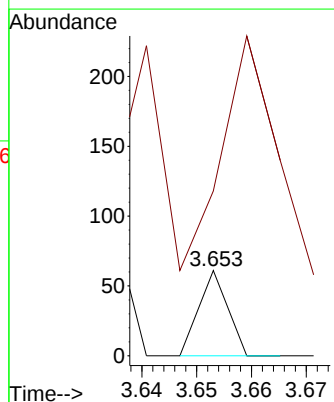
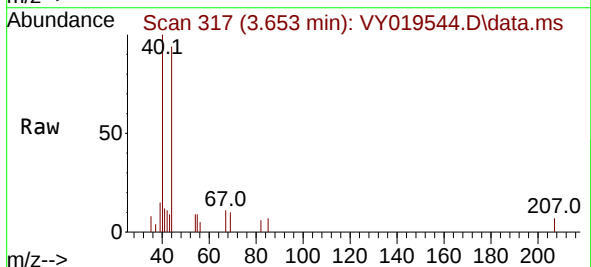
Instrument :
MSVOA_Y
ClientSampleId :
RW-2-VOC

Tgt Ion: 59 Resp: 1386
Ion Ratio Lower Upper
59 100
57 8.5 3.0 4.6#



#13
Acrolein
Concen: Below Cal
RT: 3.653 min Scan# 317
Delta R.T. 0.000 min
Lab File: VY019544.D
Acq: 13 Sep 2024 17:09

Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 745.5 55.7 83.5#

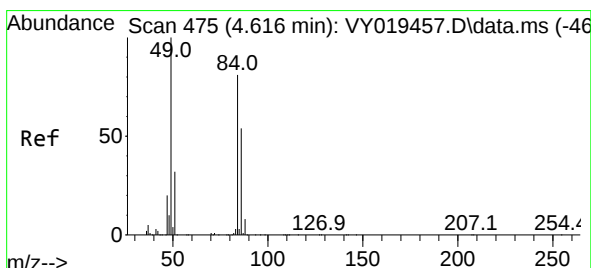
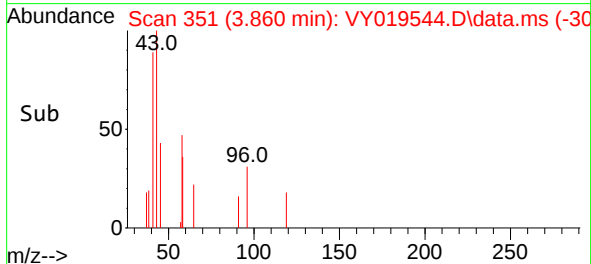
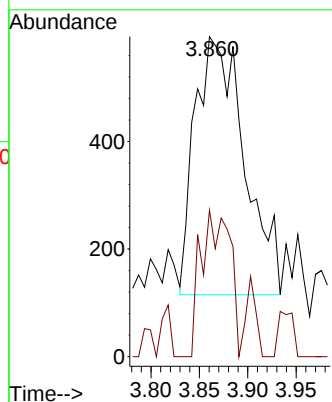
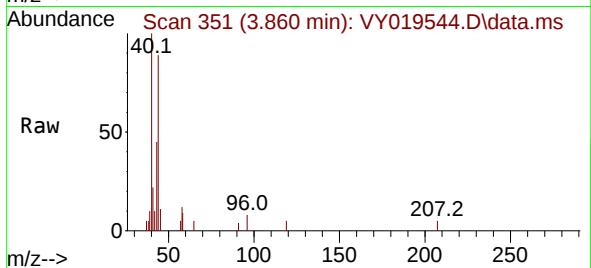




#16
Acetone
Concen: 2.238 ug/l
RT: 3.860 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY019544.D
Acq: 13 Sep 2024 17:09

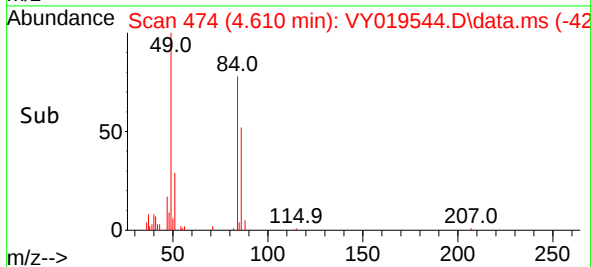
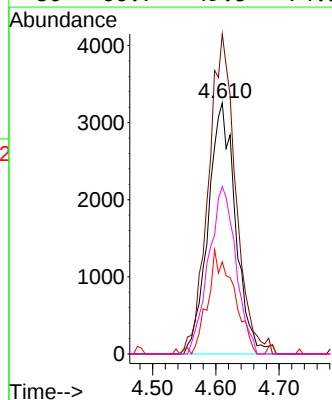
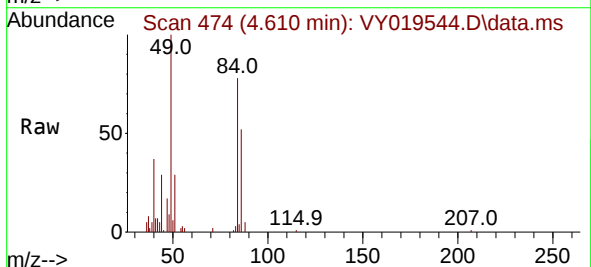
Instrument :
MSVOA_Y
ClientSampleId :
RW-2-VOC

Tgt Ion: 43 Resp: 1709
Ion Ratio Lower Upper
43 100
58 56.7 31.7 47.5#



#20
Methylene Chloride
Concen: 2.810 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY019544.D
Acq: 13 Sep 2024 17:09

Tgt Ion: 84 Resp: 9788
Ion Ratio Lower Upper
84 100
49 127.5 84.4 126.6#
51 36.7 26.0 39.0
86 66.7 49.5 74.3

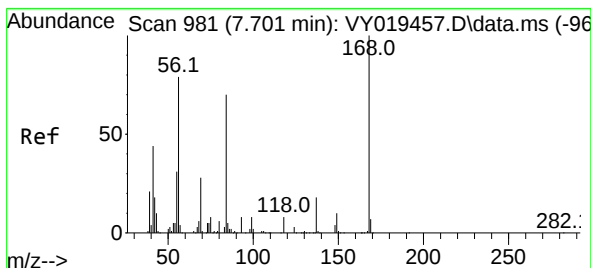
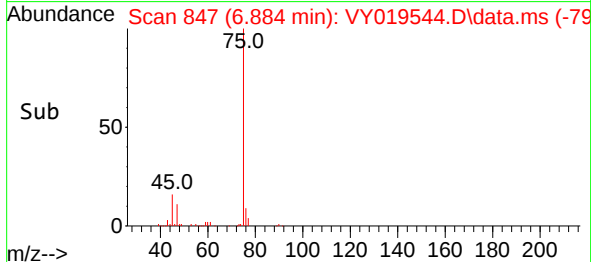
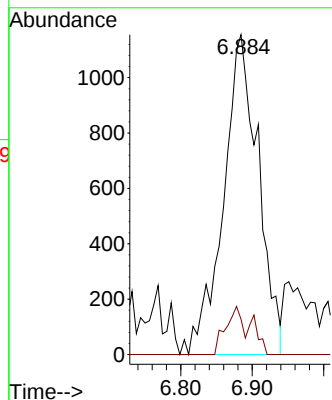
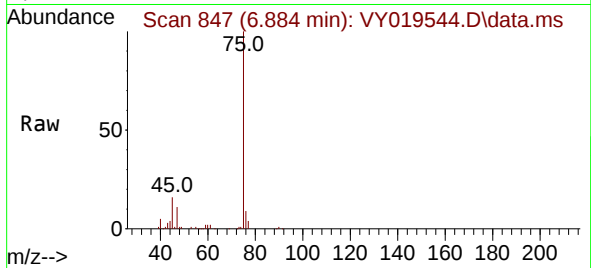




#25
2-Butanone
Concen: 3.614 ug/l
RT: 6.884 min Scan# 848
Delta R.T. -0.006 min
Lab File: VY019544.D
Acq: 13 Sep 2024 17:09

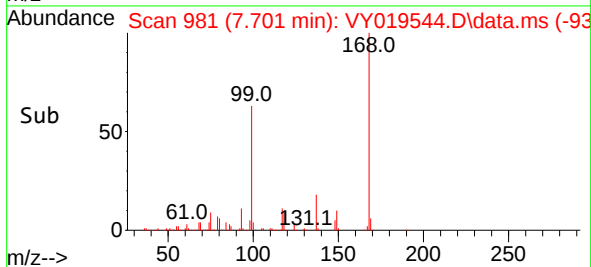
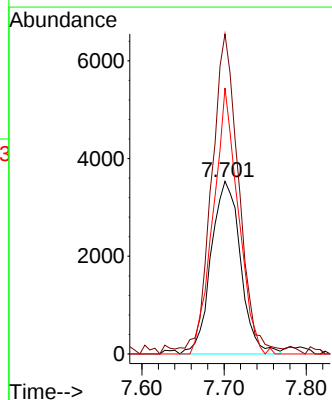
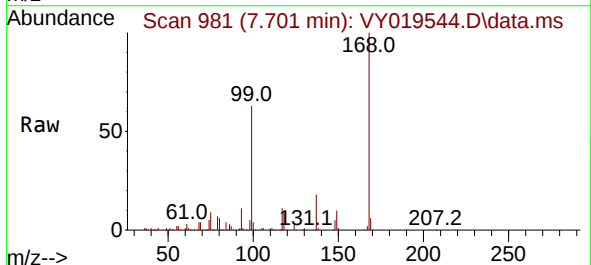
Instrument :
MSVOA_Y
ClientSampleId :
RW-2-VOC

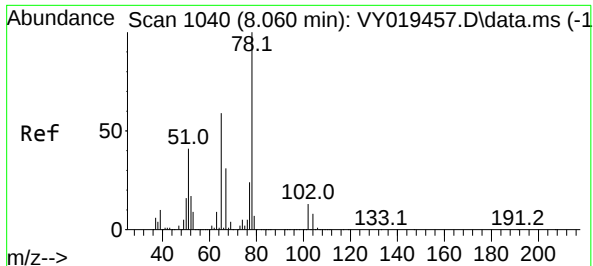
Tgt Ion: 43 Resp: 3926
Ion Ratio Lower Upper
43 100
72 11.1 27.3 40.9#



#31
Cyclohexane
Concen: 1.534 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY019544.D
Acq: 13 Sep 2024 17:09

Tgt Ion: 56 Resp: 8800
Ion Ratio Lower Upper
56 100
69 182.2 28.7 43.1#
84 154.1 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 65.974 ug/l

RT: 8.055 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY019544.D

Acq: 13 Sep 2024 17:09

Instrument :

MSVOA_Y

ClientSampleId :

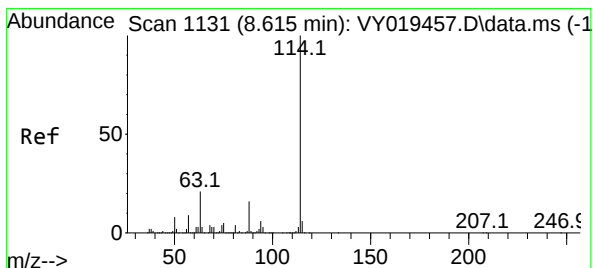
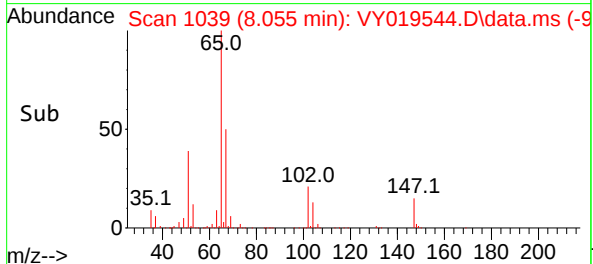
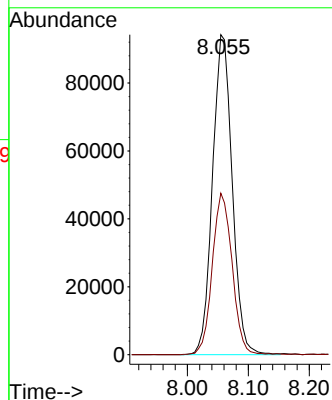
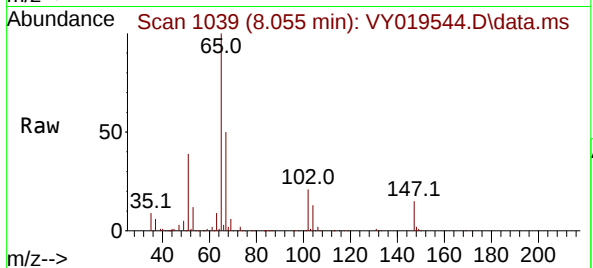
RW-2-VOC

Tgt Ion: 65 Resp: 211514

Ion Ratio Lower Upper

65 100

67 51.0 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY019544.D

Acq: 13 Sep 2024 17:09

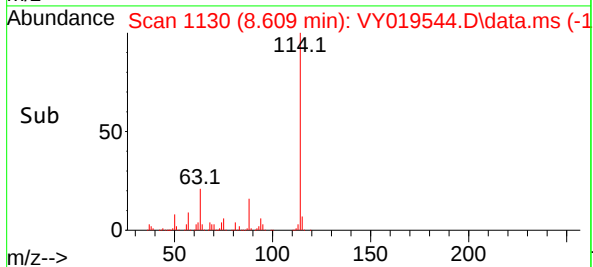
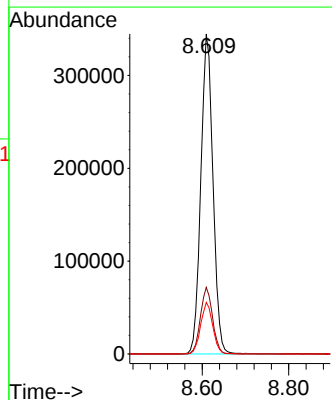
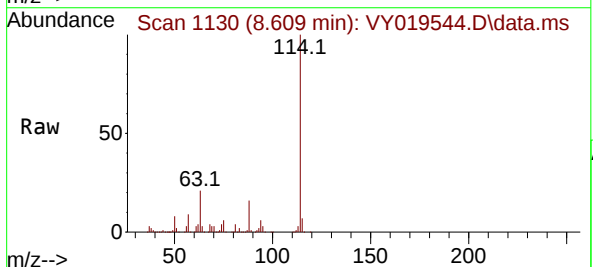
Tgt Ion: 114 Resp: 670648

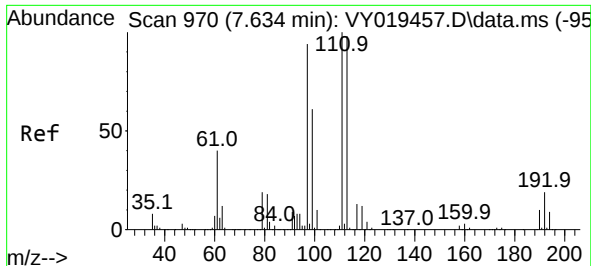
Ion Ratio Lower Upper

114 100

63 20.8 0.0 35.0

88 16.1 0.0 27.2

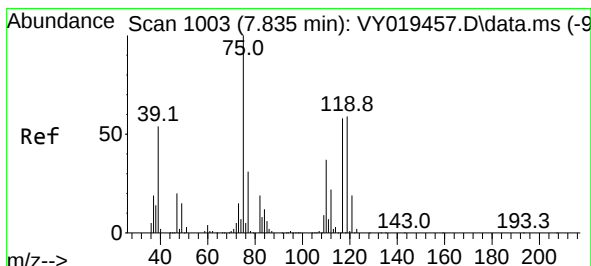
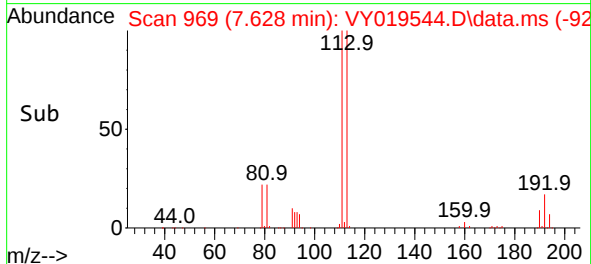
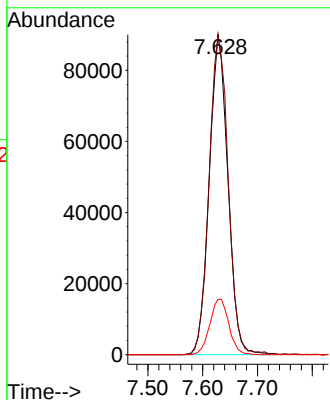
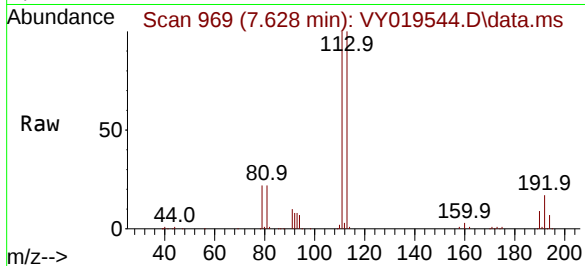




#35
Dibromofluoromethane
Concen: 55.835 ug/l
RT: 7.628 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY019544.D
Acq: 13 Sep 2024 17:09

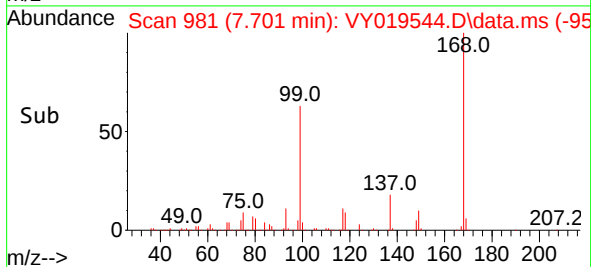
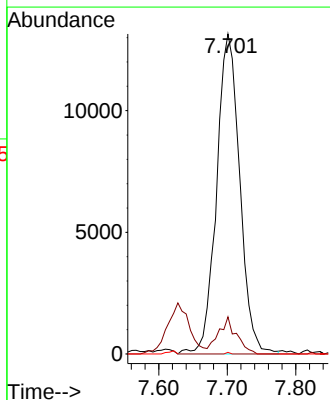
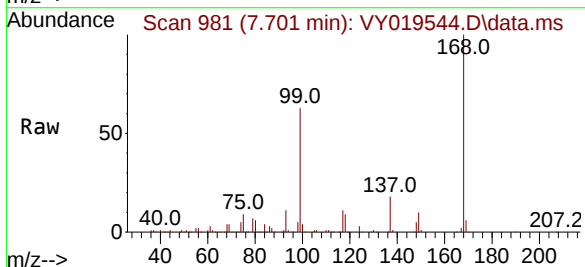
Instrument :
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RW-2-VOC

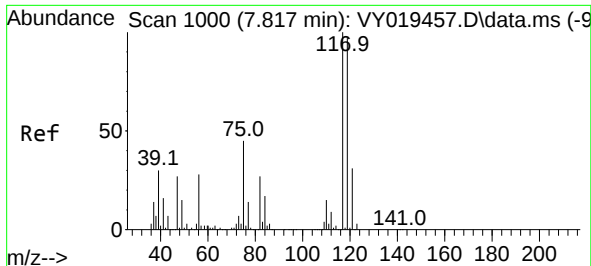
Tgt Ion:113 Resp: 212311
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.4
192 17.7 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.965 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY019544.D
Acq: 13 Sep 2024 17:09

Tgt Ion: 75 Resp: 30863
Ion Ratio Lower Upper
75 100
110 8.9 19.0 57.0#
77 0.1 25.3 37.9#

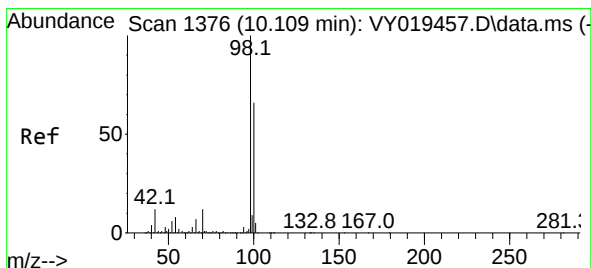
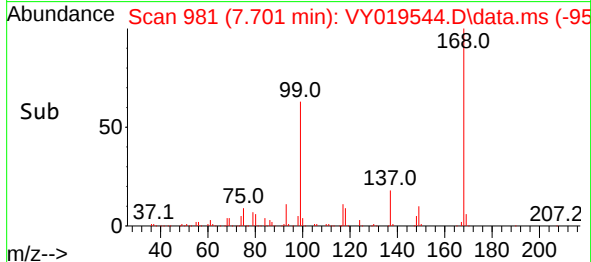
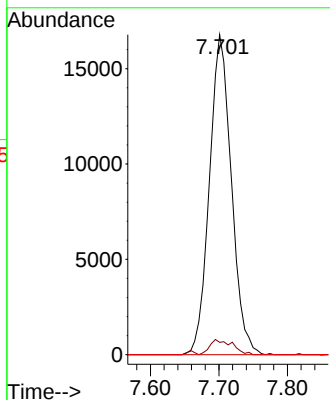
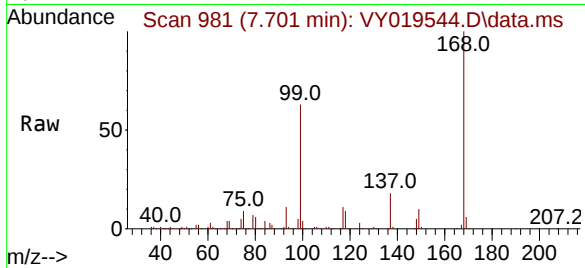




#38
Carbon Tetrachloride
Concen: 6.403 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY019544.D
Acq: 13 Sep 2024 17:09

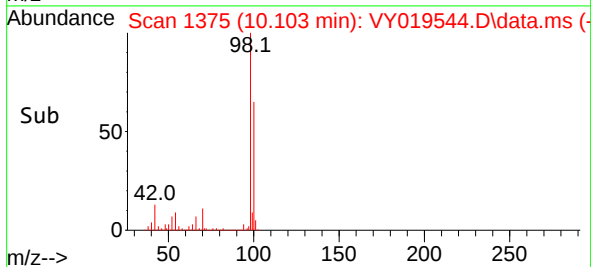
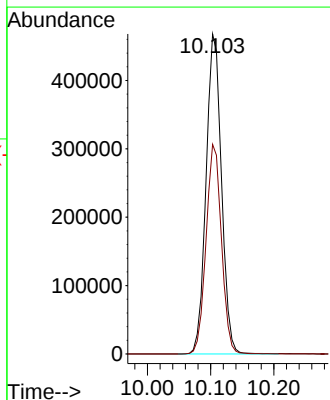
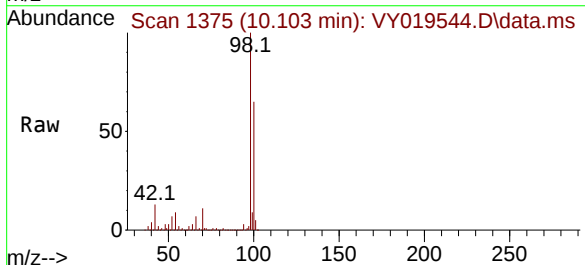
Instrument :
MSVOA_Y
ClientSampleId :
RW-2-VOC

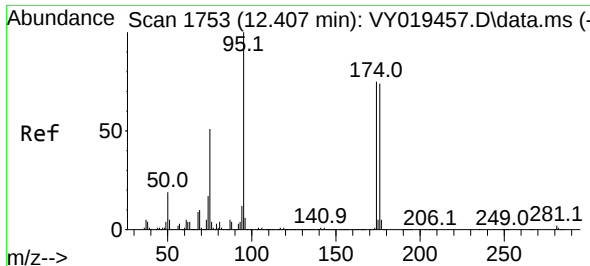
Tgt Ion:117 Resp: 37361
Ion Ratio Lower Upper
117 100
119 3.8 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 56.370 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY019544.D
Acq: 13 Sep 2024 17:09

Tgt Ion: 98 Resp: 792803
Ion Ratio Lower Upper
98 100
100 65.5 52.0 78.0

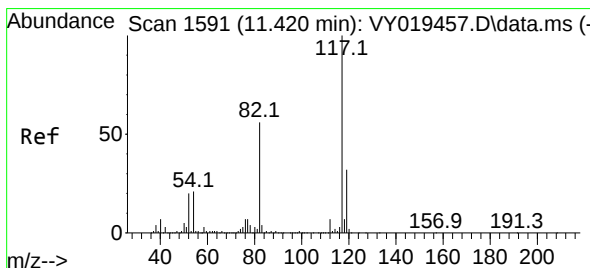
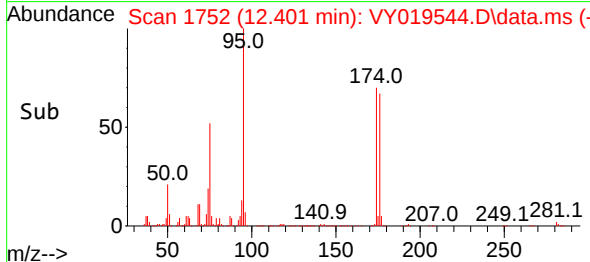
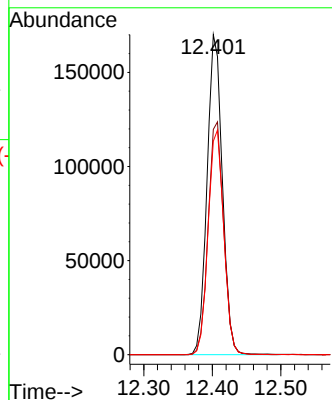
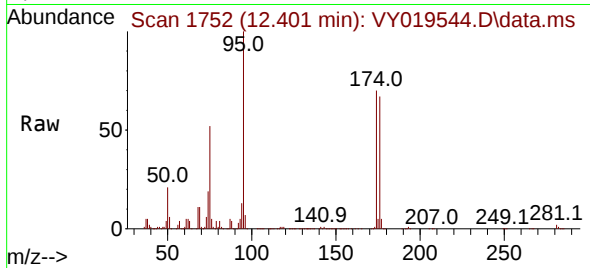




#62
4-Bromofluorobenzene
Concen: 48.845 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019544.D
Acq: 13 Sep 2024 17:09

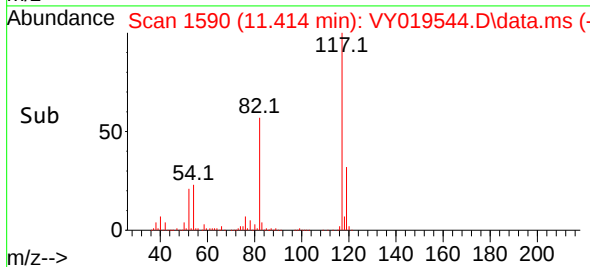
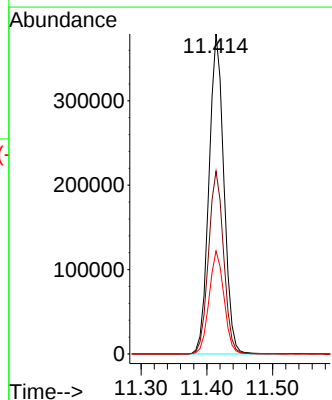
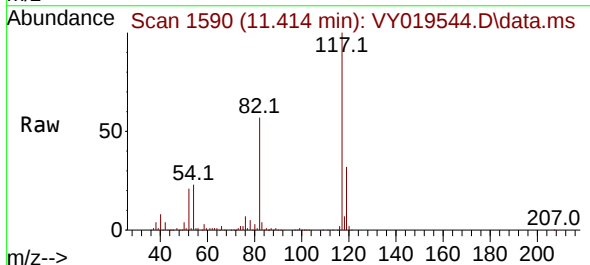
Instrument :
MSVOA_Y
ClientSampleId :
RW-2-VOC

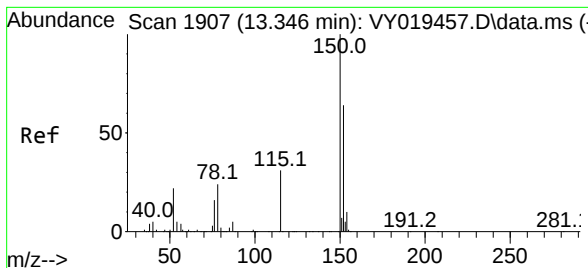
Tgt Ion: 95 Resp: 264148
Ion Ratio Lower Upper
95 100
174 73.9 0.0 175.6
176 71.6 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019544.D
Acq: 13 Sep 2024 17:09

Tgt Ion: 117 Resp: 598146
Ion Ratio Lower Upper
117 100
82 57.1 42.4 63.6
119 32.2 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019544.D

Acq: 13 Sep 2024 17:09

Instrument :

MSVOA_Y

ClientSampleId :

RW-2-VOC

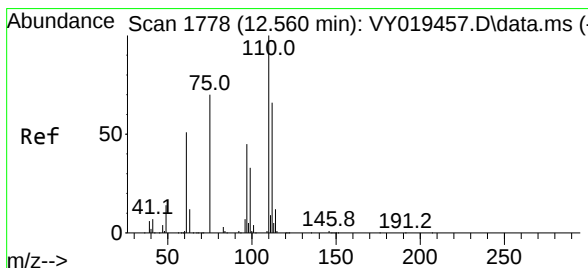
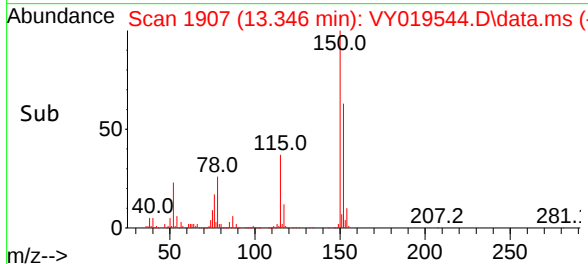
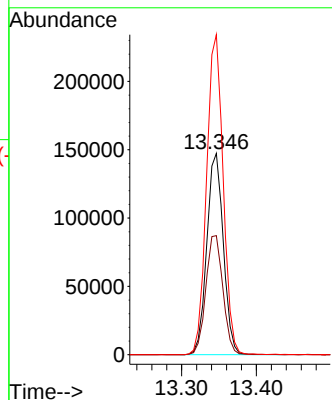
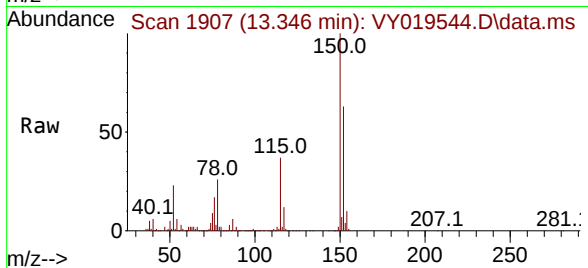
Tgt Ion:152 Resp: 226286

Ion Ratio Lower Upper

152 100

115 61.0 28.2 84.7

150 158.8 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 66.710 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.158 min

Lab File: VY019544.D

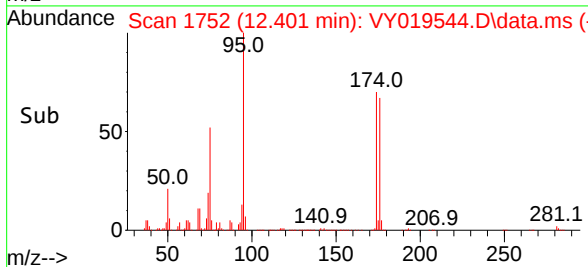
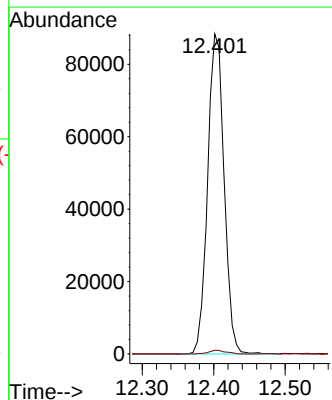
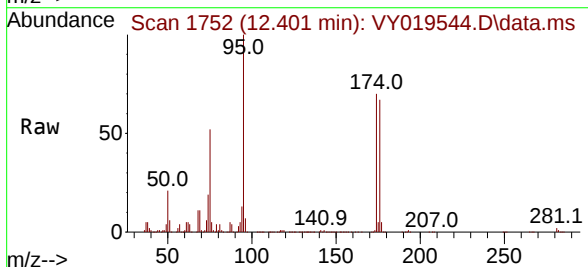
Acq: 13 Sep 2024 17:09

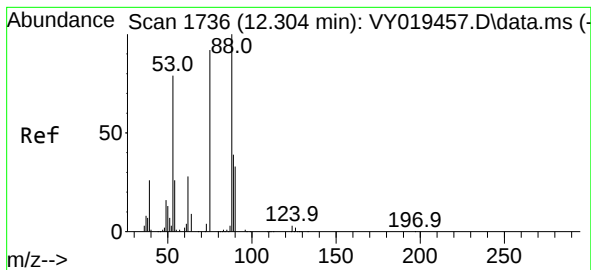
Tgt Ion: 75 Resp: 141489

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 128.064 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY019544.D
Acq: 13 Sep 2024 17:09

Instrument :
MSVOA_Y
ClientSampleId :
RW-2-VOC

Tgt Ion: 75 Resp: 141489
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.1 35.8 53.6#

