

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050923\
 Data File : VY013664.D
 Acq On : 09 May 2023 13:38
 Operator : KP/MD
 Sample : 02690-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-3-050823

Quant Time: May 10 05:36:24 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)

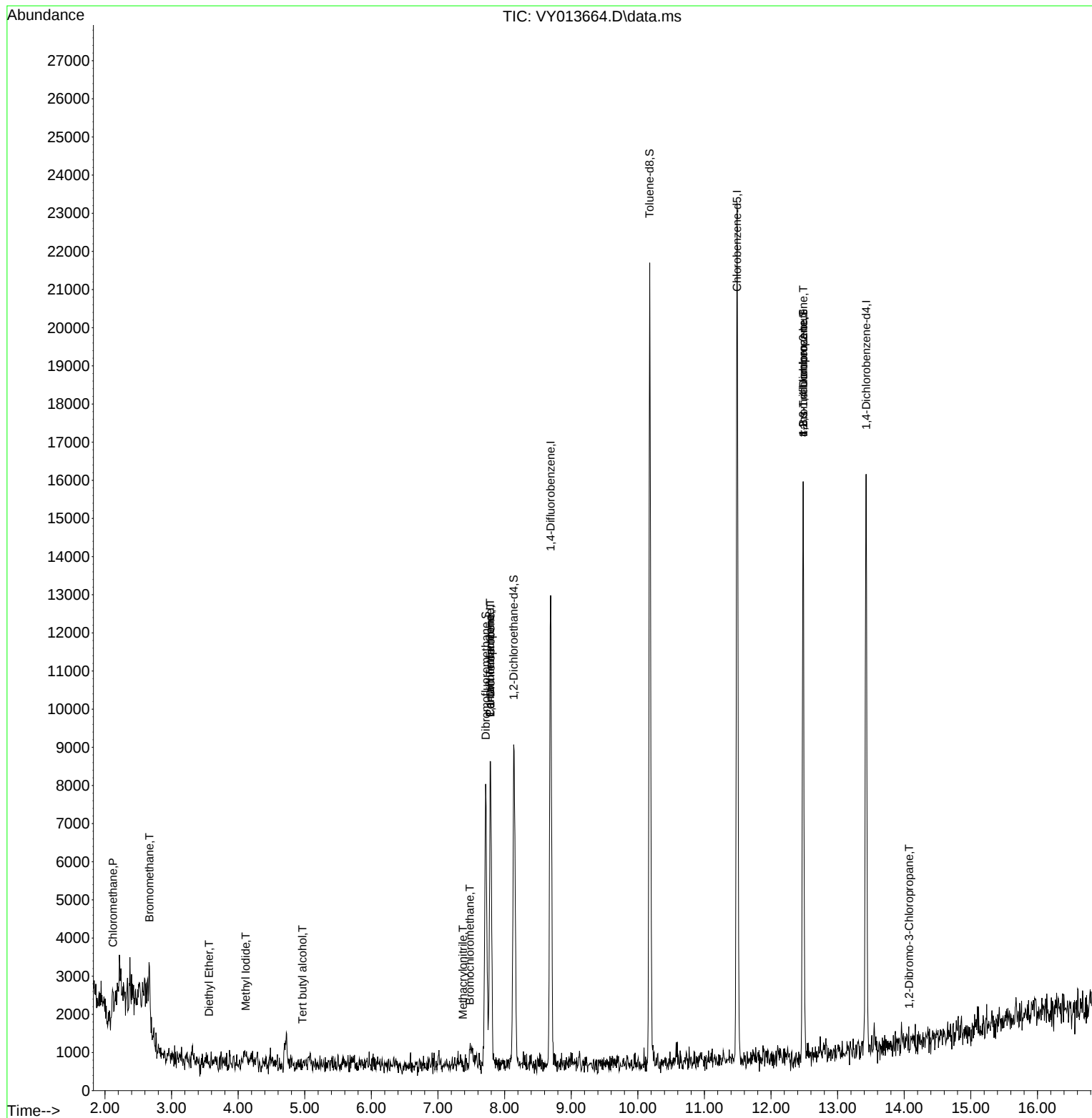
Internal Standards						
1) Pentafluorobenzene	7.783	168	6278	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	11241	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	11570	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	4427	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	7365	107.017	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 214.040%#	
35) Dibromofluoromethane	7.716	113	4793	67.793	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 135.580%	
50) Toluene-d8	10.179	98	13974	55.560	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.120%	
62) 4-Bromofluorobenzene	12.483	95	4405	51.951	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.900%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	449	5.612	ug/l #	82
5) Bromomethane	2.668	94	325	5.120	ug/l	91
8) Diethyl Ether	3.564	74	46	1.119	ug/l #	2
10) Methyl Iodide	4.113	142	470	5.528	ug/l #	64
11) Tert butyl alcohol	4.966	59	18	2.966	ug/l #	89
20) Methylene Chloride	4.710	84	657	Below Cal	#	77
28) Bromochloromethane	7.478	49	55	1.175	ug/l #	7
36) 1,1-Dichloropropene	7.789	75	453	3.861	ug/l #	40
38) Carbon Tetrachloride	7.783	117	571	4.643	ug/l #	11
41) Methacrylonitrile	7.374	41	49	1.191	ug/l #	21
76) 1,2,3-Trichloropropane	12.483	75	2251	37.703	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	2251	77.124	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.074	75	49	3.390	ug/l #	1

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

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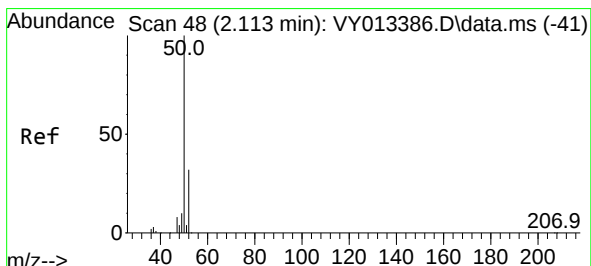
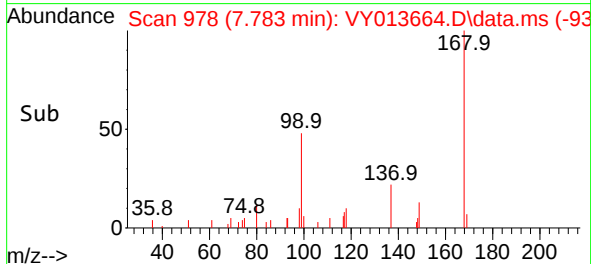
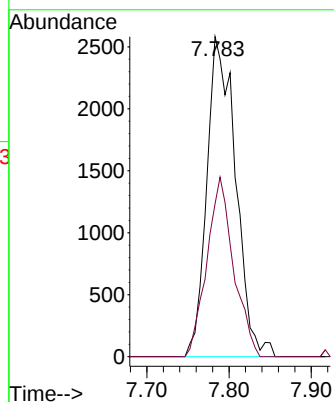
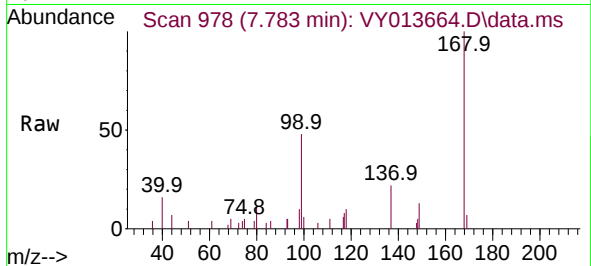




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013664.D
Acq: 09 May 2023 13:38

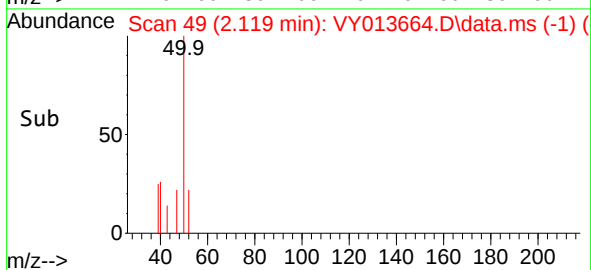
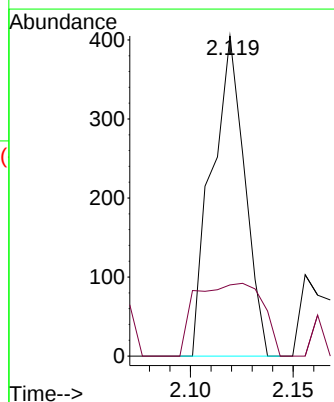
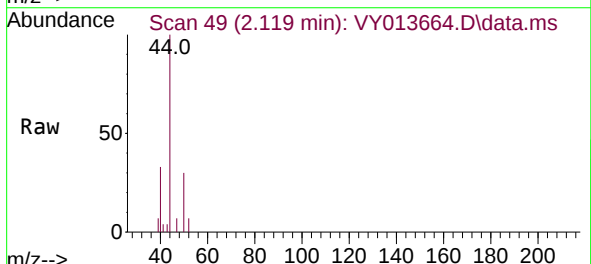
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-050823

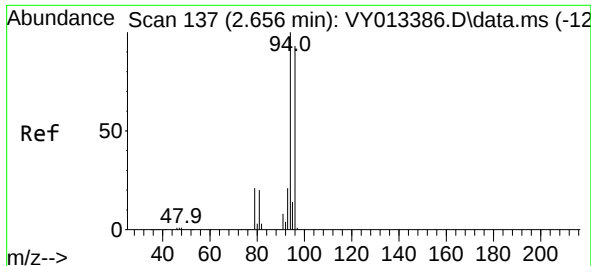
Tgt Ion:168 Resp: 6278
Ion Ratio Lower Upper
168 100
99 47.8 41.8 62.6



#3
Chloromethane
Concen: 5.612 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY013664.D
Acq: 09 May 2023 13:38

Tgt Ion: 50 Resp: 449
Ion Ratio Lower Upper
50 100
52 22.2 25.9 38.9#

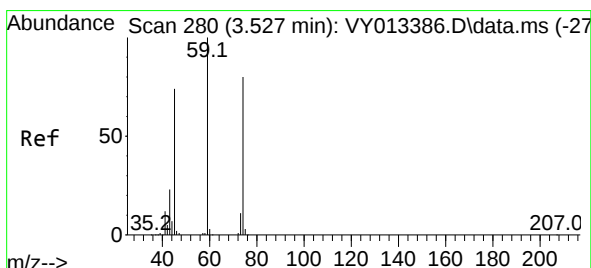
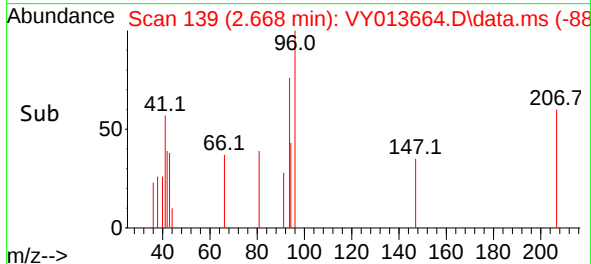
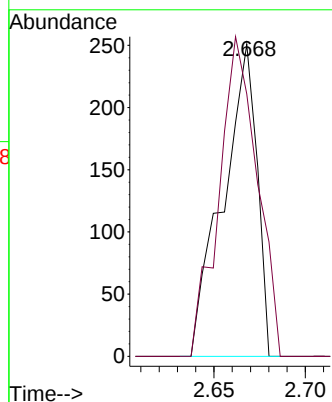
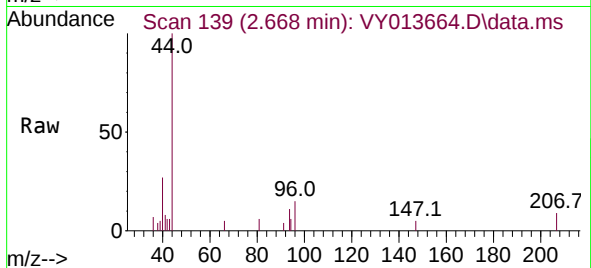




#5
Bromomethane
Concen: 5.120 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY013664.D
Acq: 09 May 2023 13:38

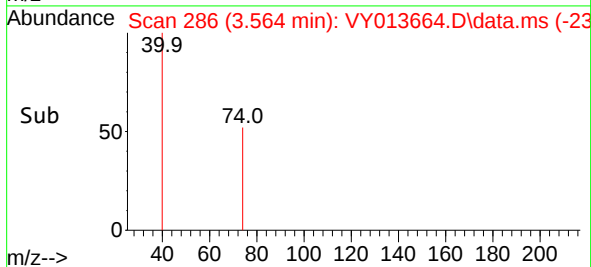
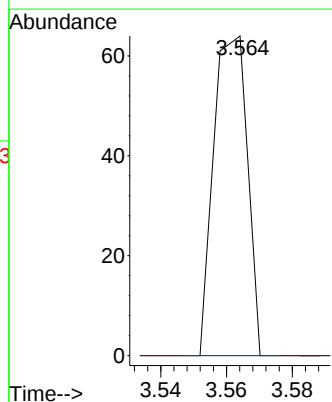
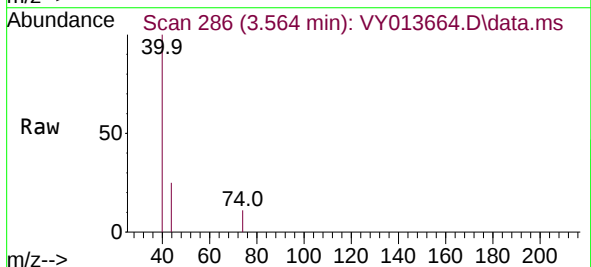
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-050823

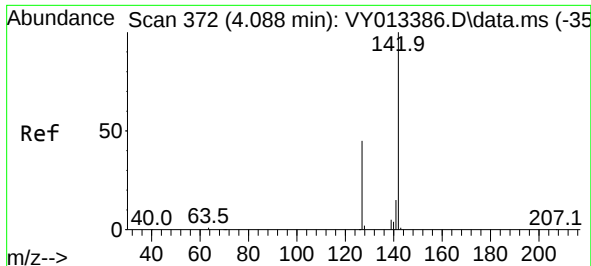
Tgt Ion: 94 Resp: 325
Ion Ratio Lower Upper
94 100
96 84.1 74.2 111.2



#8
Diethyl Ether
Concen: 1.119 ug/l
RT: 3.564 min Scan# 286
Delta R.T. 0.037 min
Lab File: VY013664.D
Acq: 09 May 2023 13:38

Tgt Ion: 74 Resp: 46
Ion Ratio Lower Upper
74 100
45 0.0 48.2 144.6#





#10

Methyl Iodide

Concen: 5.528 ug/l

RT: 4.113 min Scan# 31

Delta R.T. 0.025 min

Lab File: VY013664.D

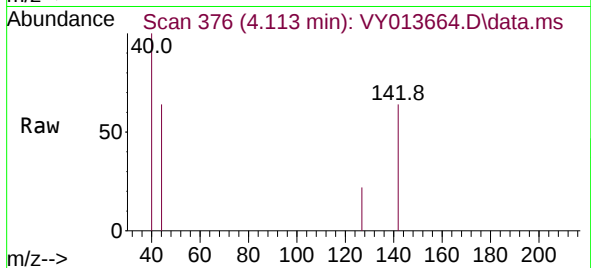
Acq: 09 May 2023 13:38

Instrument :

MSVOA_Y

ClientSampleId :

OR-3-050823



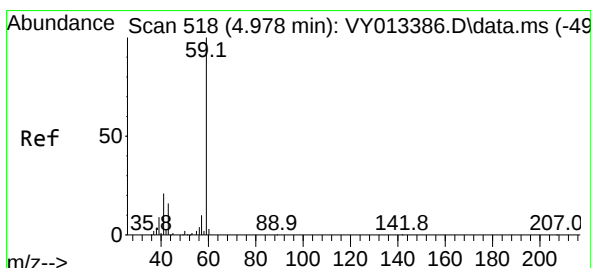
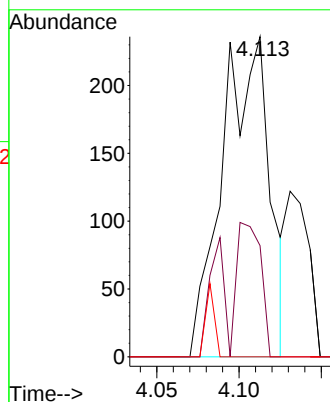
Tgt Ion:142 Resp: 470

Ion Ratio Lower Upper

142 100

127 21.5 36.1 54.1#

141 0.0 11.6 17.4#



#11

Tert butyl alcohol

Concen: 2.966 ug/l

RT: 4.966 min Scan# 516

Delta R.T. -0.012 min

Lab File: VY013664.D

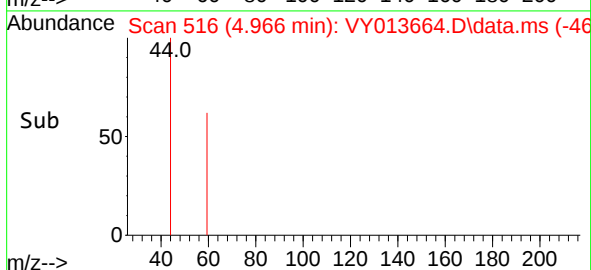
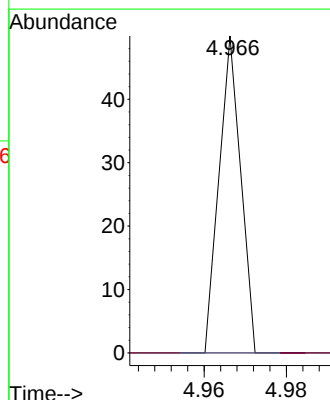
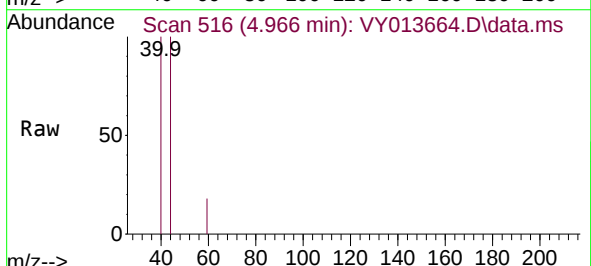
Acq: 09 May 2023 13:38

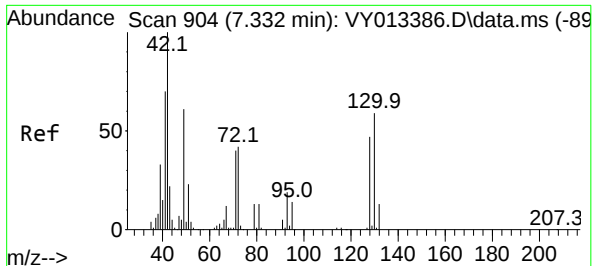
Tgt Ion: 59 Resp: 18

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#

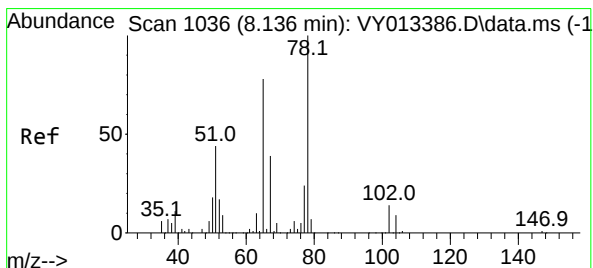
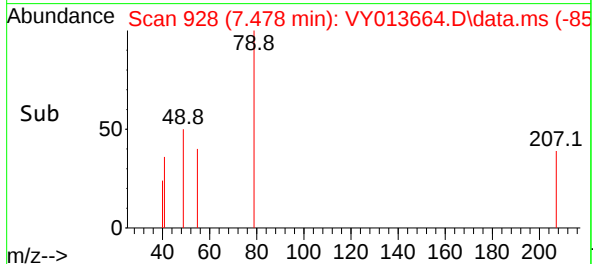
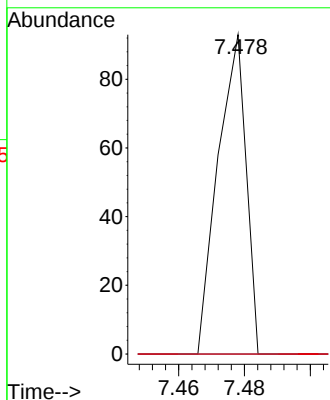
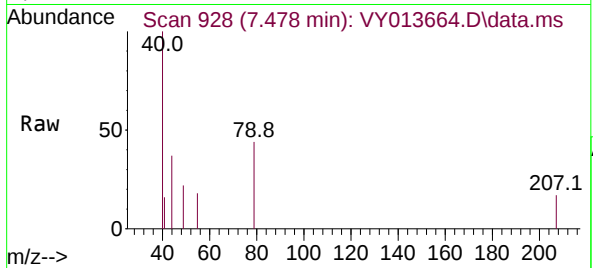




#28
Bromochloromethane
Concen: 1.175 ug/l
RT: 7.478 min Scan# 91
Delta R.T. 0.146 min
Lab File: VY013664.D
Acq: 09 May 2023 13:38

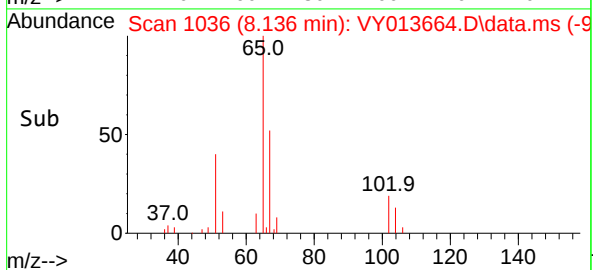
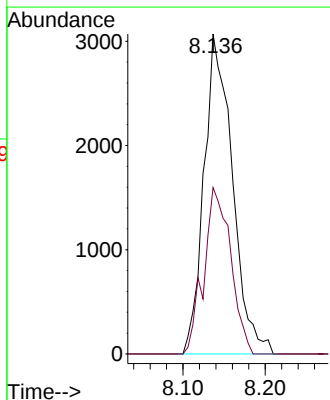
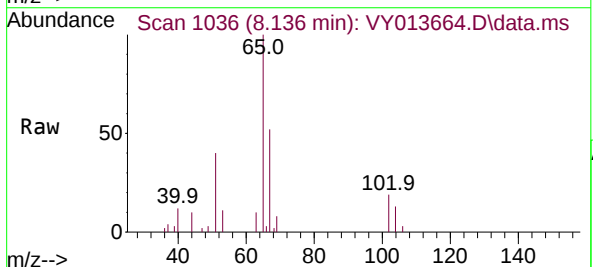
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-050823

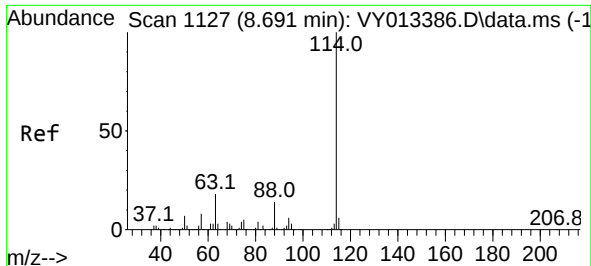
Tgt Ion: 49 Resp: 55
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.2
130 0.0 72.1 108.1#



#33
1,2-Dichloroethane-d4
Concen: 107.017 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013664.D
Acq: 09 May 2023 13:38

Tgt Ion: 65 Resp: 7365
Ion Ratio Lower Upper
65 100
67 49.1 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: VY013664.D

Acq: 09 May 2023 13:38

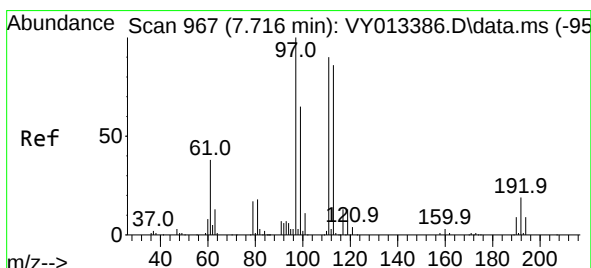
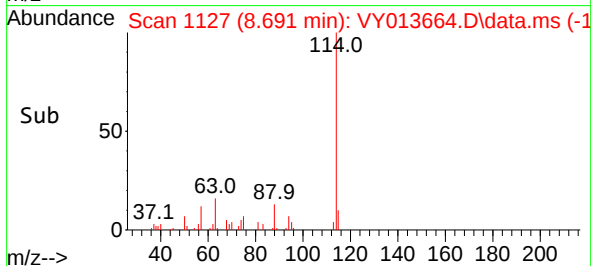
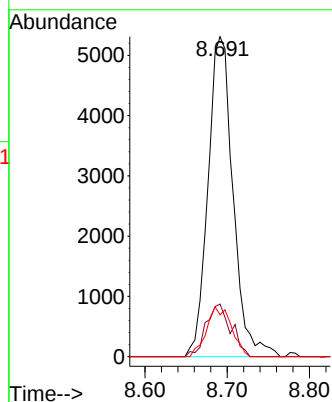
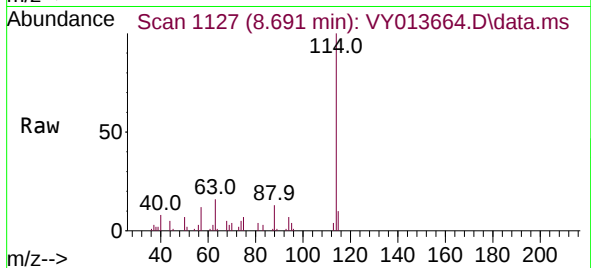
Instrument :

MSVOA_Y

ClientSampleId :

OR-3-050823

Tgt Ion:114	Resp:	11241
Ion Ratio	Lower	Upper
114	100	
63	16.5	0.0 36.6
88	13.1	0.0 28.8



#35

Dibromofluoromethane

Concen: 67.793 ug/l

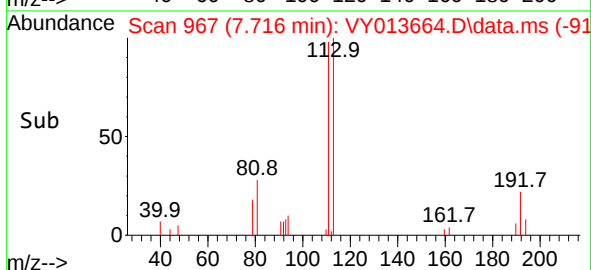
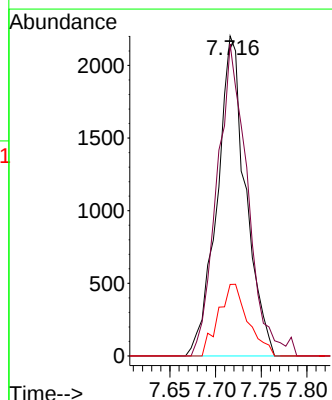
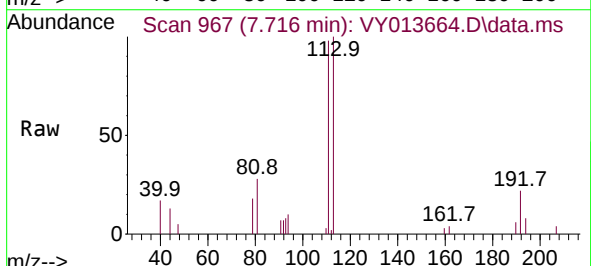
RT: 7.716 min Scan# 967

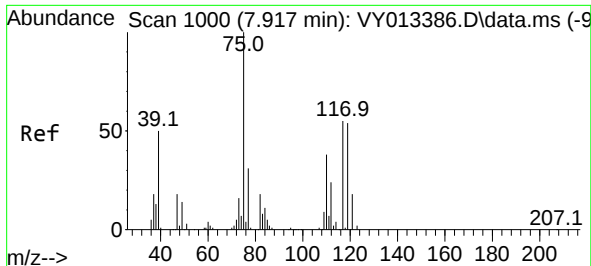
Delta R.T. -0.000 min

Lab File: VY013664.D

Acq: 09 May 2023 13:38

Tgt Ion:113	Resp:	4793
Ion Ratio	Lower	Upper
113	100	
111	104.4	82.2 123.2
192	23.2	16.7 25.1





#36

1,1-Dichloropropene

Concen: 3.861 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY013664.D

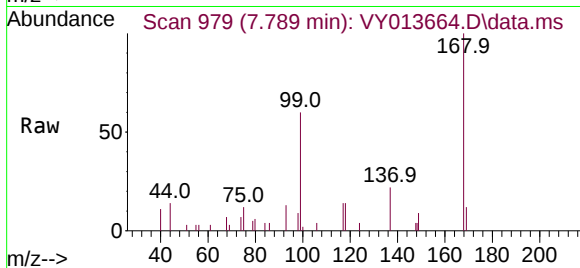
Acq: 09 May 2023 13:38

Instrument :

MSVOA_Y

ClientSampleId :

OR-3-050823



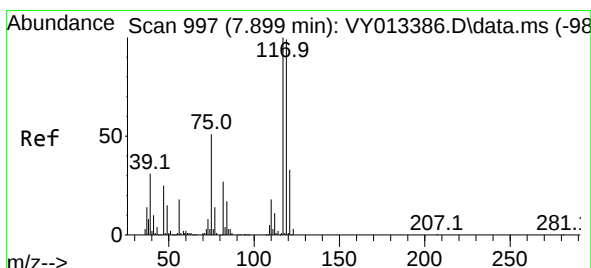
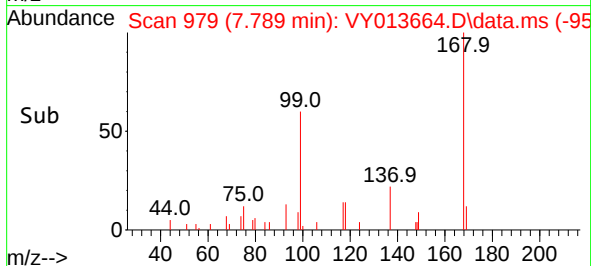
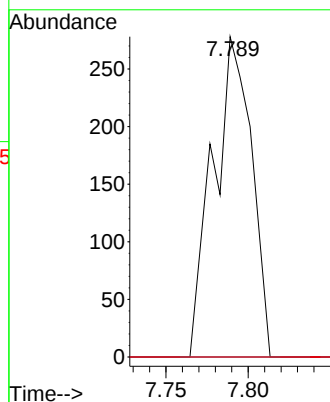
Tgt Ion: 75 Resp: 453

Ion Ratio Lower Upper

75 100

110 0.0 18.7 56.1#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 4.643 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY013664.D

Acq: 09 May 2023 13:38

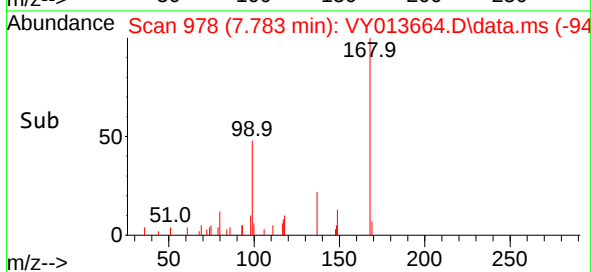
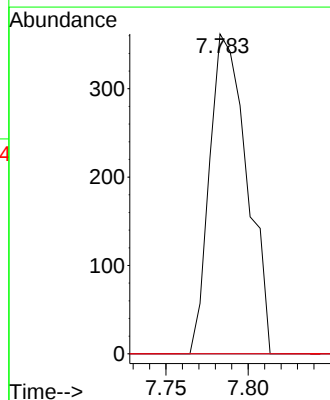
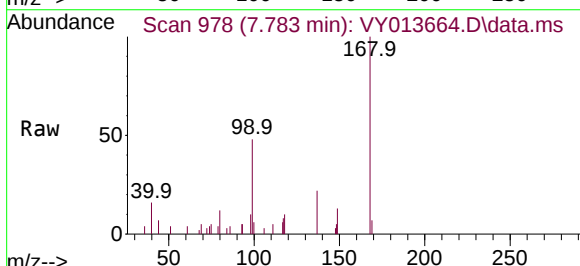
Tgt Ion: 117 Resp: 571

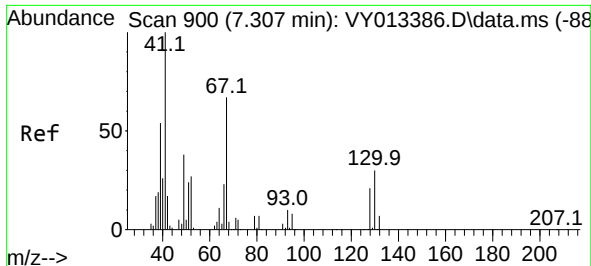
Ion Ratio Lower Upper

117 100

119 0.0 79.0 118.6#

121 0.0 26.6 40.0#

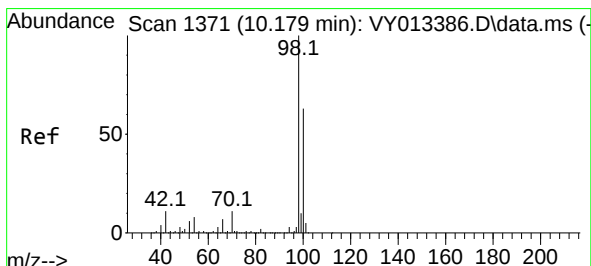
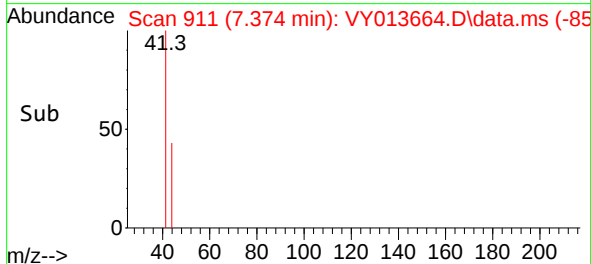
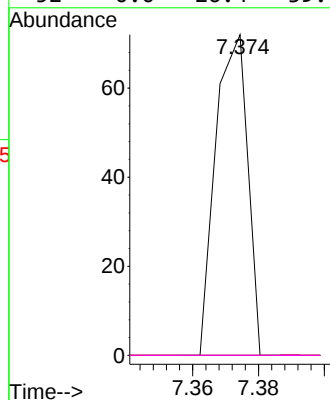
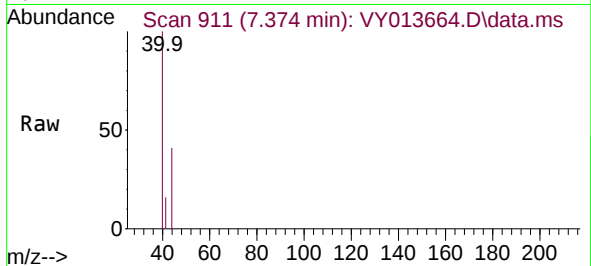




#41
Methacrylonitrile
Concen: 1.191 ug/l
RT: 7.374 min Scan# 911
Delta R.T. 0.067 min
Lab File: VY013664.D
Acq: 09 May 2023 13:38

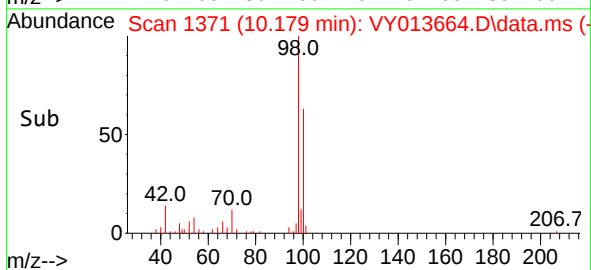
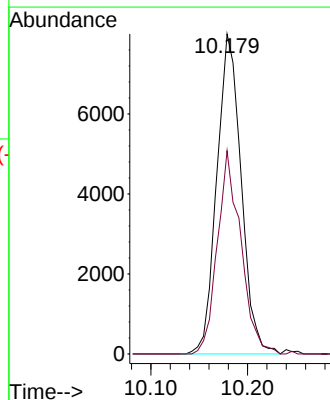
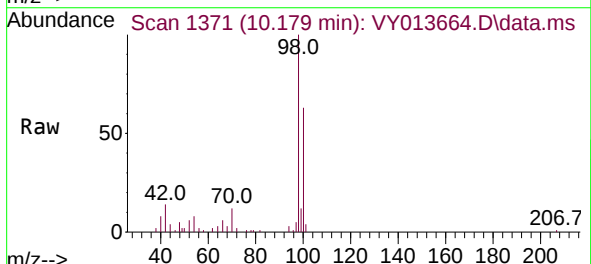
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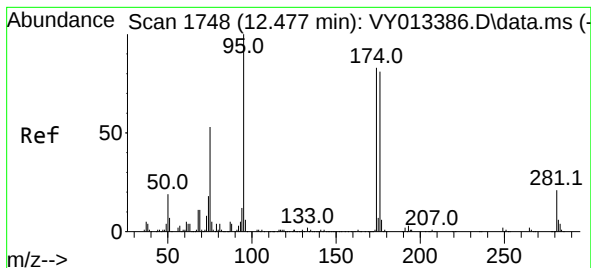
Tgt Ion: 41	Resp:	49
Ion	Ratio	Lower Upper
41	100	
39	0.0	44.2 66.4#
67	0.0	62.9 94.3#
52	0.0	26.4 39.6#



#50
Toluene-d8
Concen: 55.560 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013664.D
Acq: 09 May 2023 13:38

Tgt Ion: 98	Resp:	13974
Ion	Ratio	Lower Upper
98	100	
100	61.3	50.5 75.7

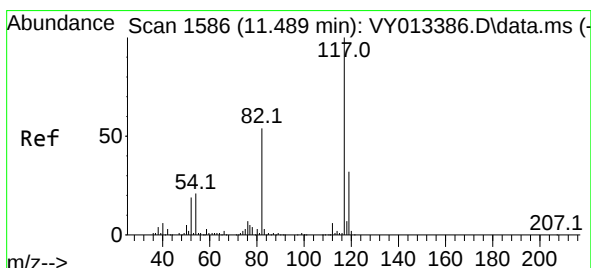
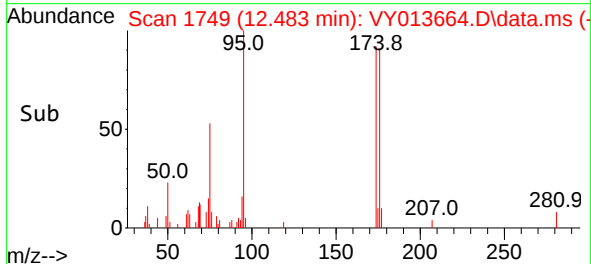
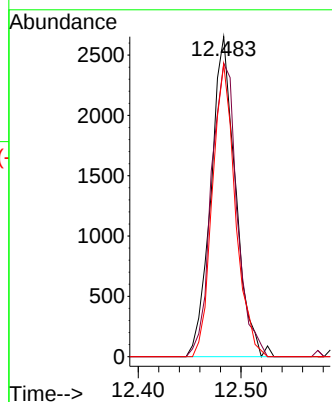
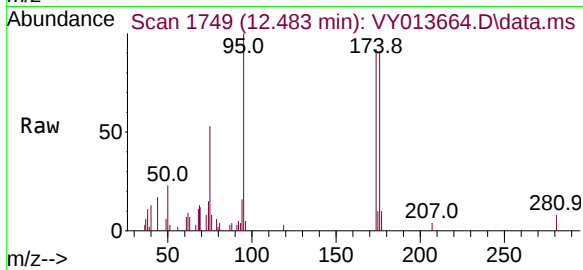




#62
4-Bromofluorobenzene
Concen: 51.951 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013664.D
Acq: 09 May 2023 13:38

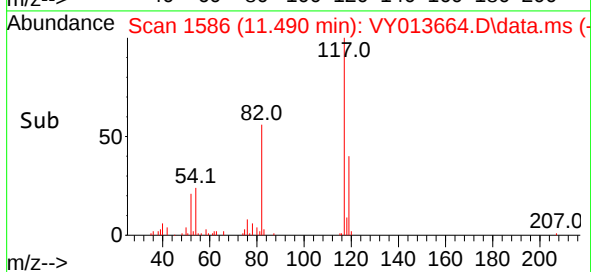
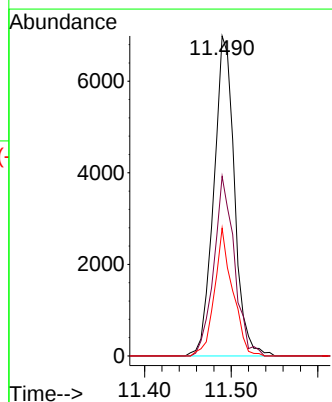
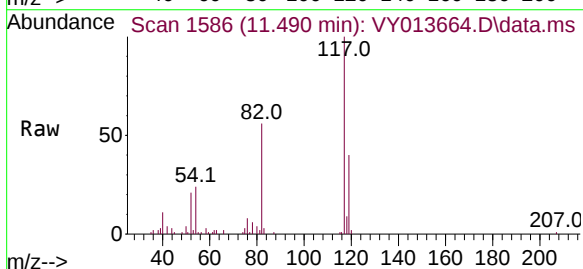
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-050823

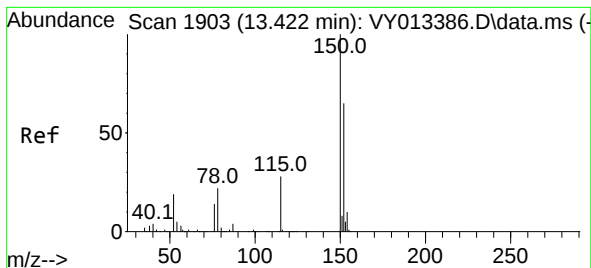
Tgt Ion: 95 Resp: 4405
Ion Ratio Lower Upper
95 100
174 95.7 0.0 182.0
176 85.2 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013664.D
Acq: 09 May 2023 13:38

Tgt Ion: 117 Resp: 11570
Ion Ratio Lower Upper
117 100
82 56.1 43.0 64.6
119 39.9 25.5 38.3#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY013664.D

Acq: 09 May 2023 13:38

Instrument :

MSVOA_Y

ClientSampleId :

OR-3-050823

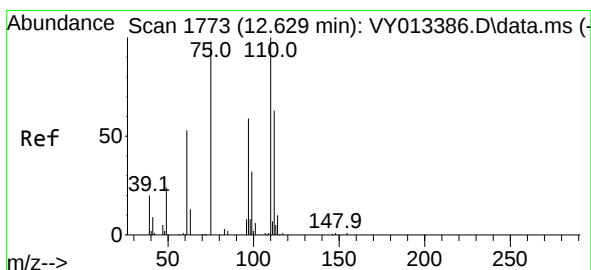
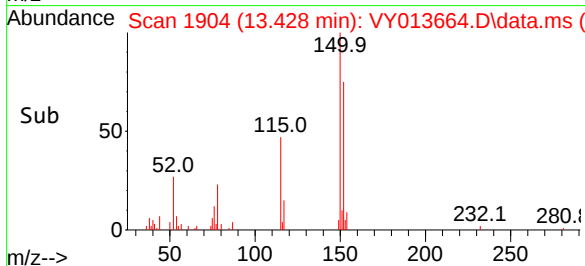
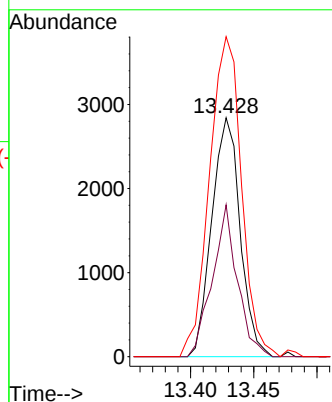
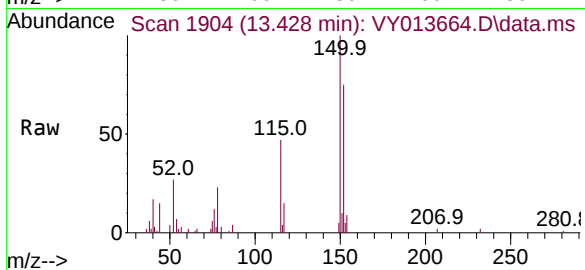
Tgt Ion:152 Resp: 4427

Ion Ratio Lower Upper

152 100

115 56.1 28.1 84.2

150 151.1 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 37.703 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY013664.D

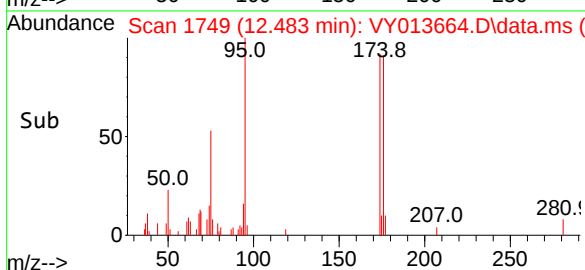
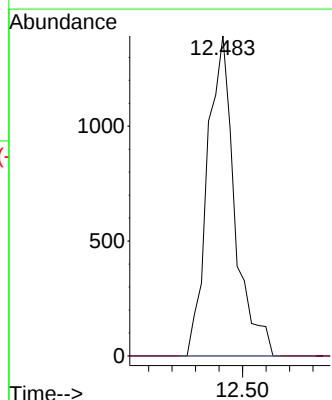
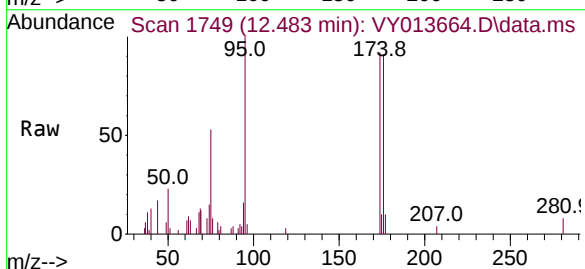
Acq: 09 May 2023 13:38

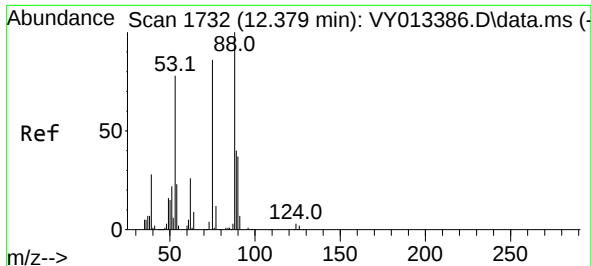
Tgt Ion: 75 Resp: 2251

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

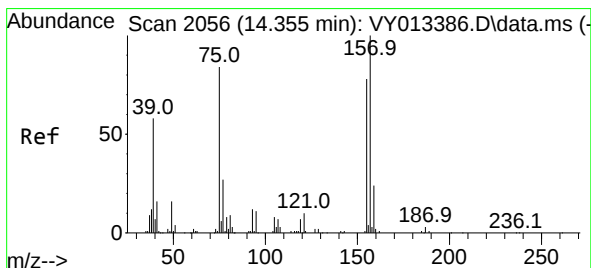
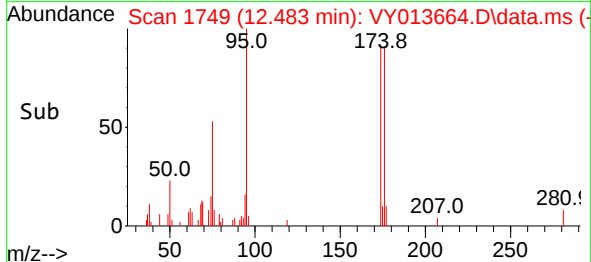
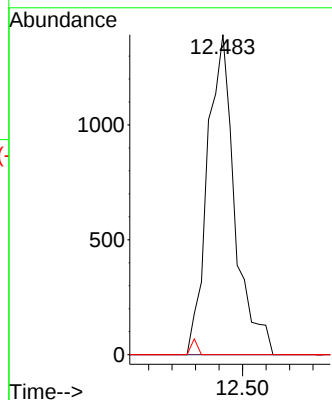
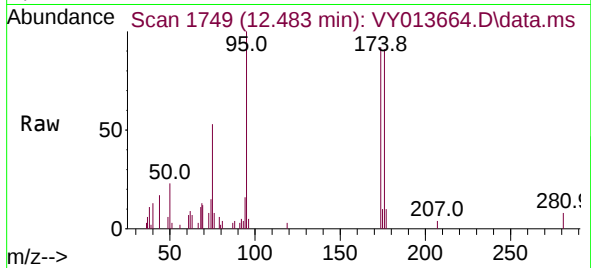




#81
trans-1,4-Dichloro-2-butene
Concen: 77.124 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY013664.D
Acq: 09 May 2023 13:38

Instrument :
MSVOA_Y
ClientSampleId :
OR-3-050823

Tgt Ion: 75 Resp: 2251
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 0.0 38.0 57.0#



#92
1,2-Dibromo-3-Chloropropane
Concen: 3.390 ug/l
RT: 14.074 min Scan# 2010
Delta R.T. -0.281 min
Lab File: VY013664.D
Acq: 09 May 2023 13:38

Tgt Ion: 75 Resp: 49
Ion Ratio Lower Upper
75 100
155 0.0 44.6 134.0#
157 0.0 57.6 172.7#

