

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010523\
 Data File : VY012080.D
 Acq On : 05 Jan 2023 17:14
 Operator : KP/MD
 Sample : 01027-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-1-1-4-2023

Quant Time: Jan 05 23:20:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

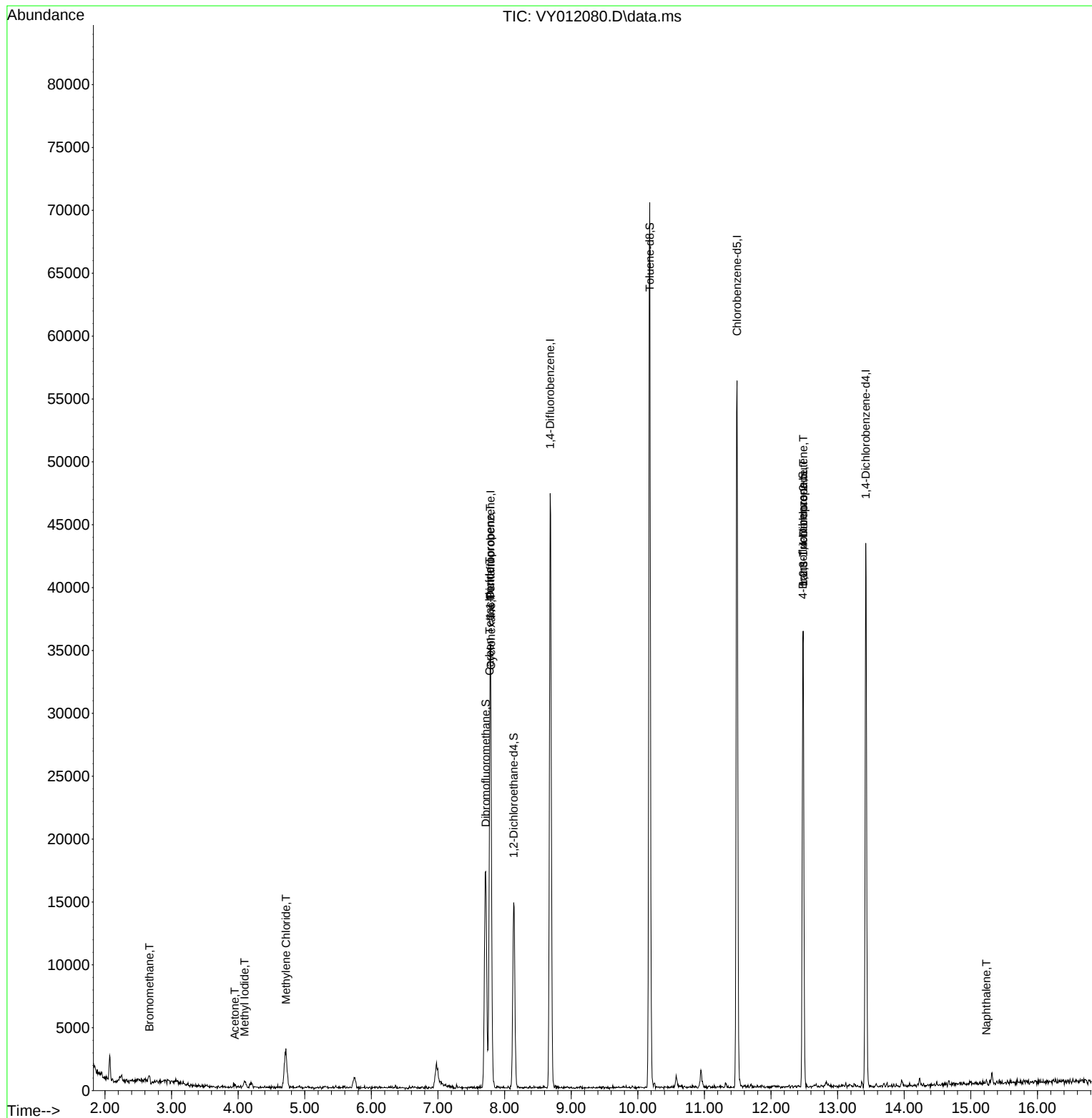
Internal Standards						
1) Pentafluorobenzene	7.789	168	28277	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	42329	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	33277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	12047	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	12480	43.807	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.620%		
35) Dibromofluoromethane	7.716	113	12164	47.733	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.460%		
50) Toluene-d8	10.179	98	48626	47.031	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.060%		
62) 4-Bromofluorobenzene	12.477	95	10852	31.208	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	62.420%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.668	94	282	1.428	ug/l	92
10) Methyl Iodide	4.094	142	845	2.284	ug/l #	85
11) Tert butyl alcohol	4.954	59	59	Below Cal	#	74
16) Acetone	3.948	43	327	8.644	ug/l #	40
20) Methylene Chloride	4.716	84	2487	1.775	ug/l #	94
31) Cyclohexane	7.795	56	507	1.057	ug/l #	44
36) 1,1-Dichloropropene	7.783	75	2022	4.947	ug/l #	47
38) Carbon Tetrachloride	7.777	117	2876	6.092	ug/l #	19
76) 1,2,3-Trichloropropane	12.483	75	6052	40.372	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	6052	110.559	ug/l #	13
95) Naphthalene	15.232	128	160	3.119	ug/l #	69

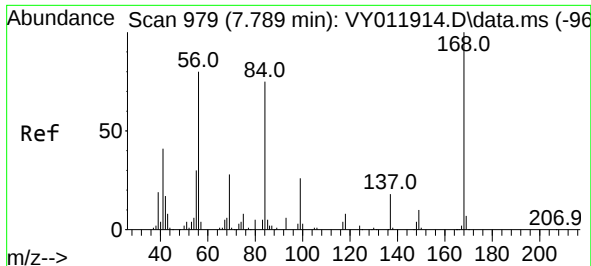
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010523\
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COMP-1-1-4-2023

Quant Time: Jan 05 23:20:25 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 20 12:37:37 2022
Response via : Initial Calibration

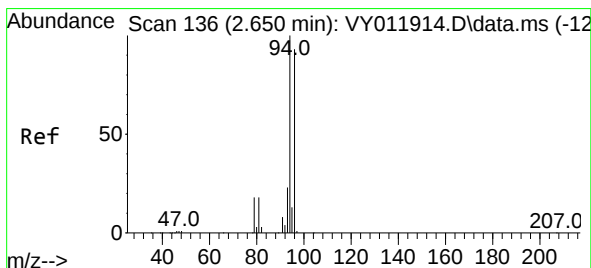
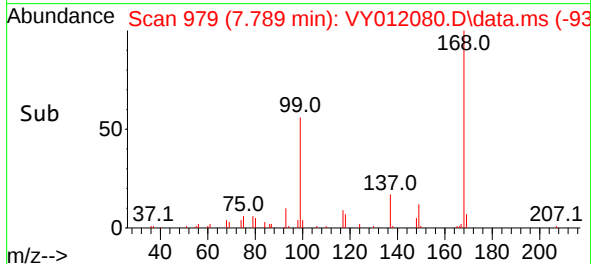
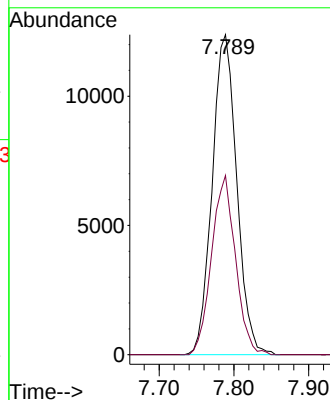
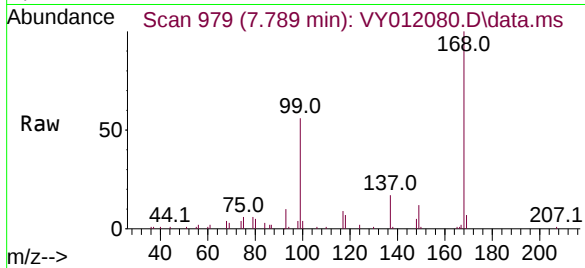




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012080.D
Acq: 05 Jan 2023 17:14

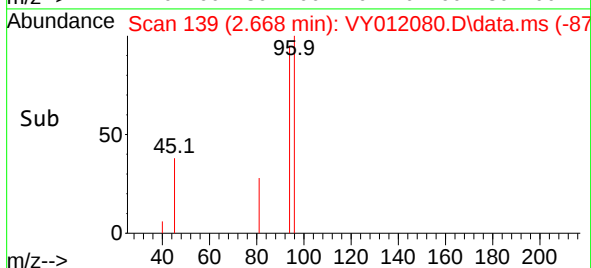
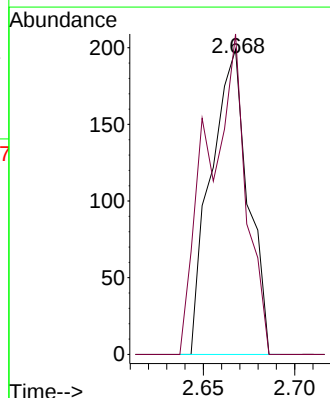
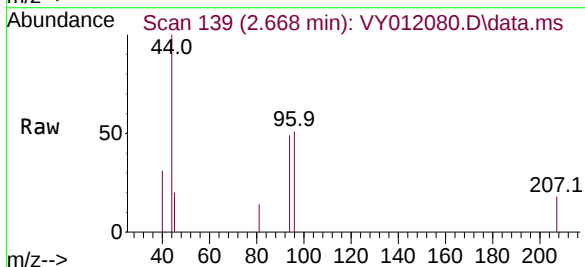
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1-1-4-2023

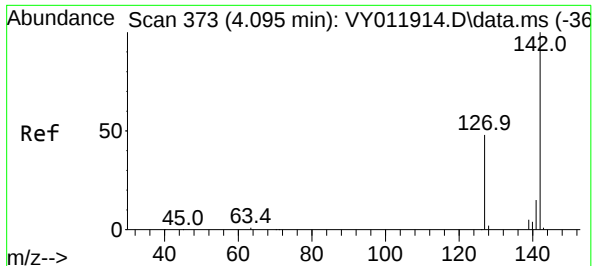
Tgt Ion:168 Resp: 28277
Ion Ratio Lower Upper
168 100
99 56.0 44.0 66.0



#5
Bromomethane
Concen: 1.428 ug/l
RT: 2.668 min Scan# 139
Delta R.T. 0.018 min
Lab File: VY012080.D
Acq: 05 Jan 2023 17:14

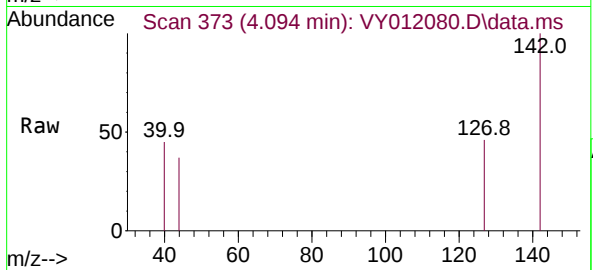
Tgt Ion: 94 Resp: 282
Ion Ratio Lower Upper
94 100
96 105.0 77.4 116.2



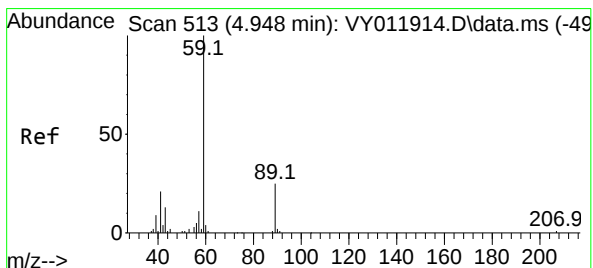
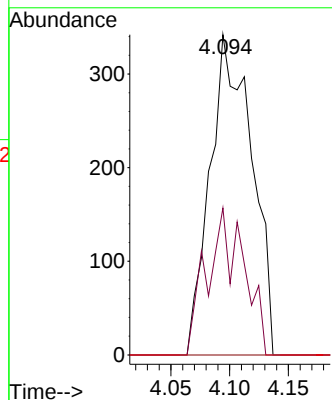
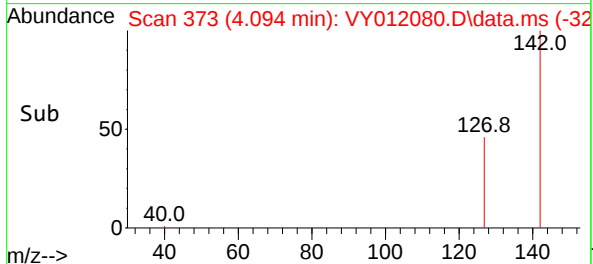


#10
Methyl Iodide
Concen: 2.284 ug/l
RT: 4.094 min Scan# 31
Delta R.T. -0.001 min
Lab File: VY012080.D
Acq: 05 Jan 2023 17:14

Instrument :
MSVOA_Y
ClientSampleId :
COMP-1-1-4-2023

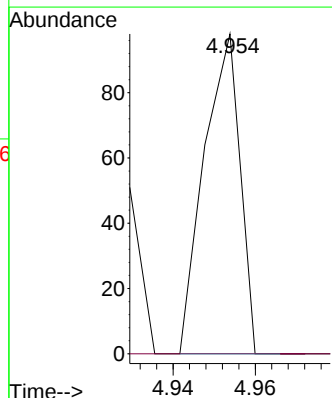
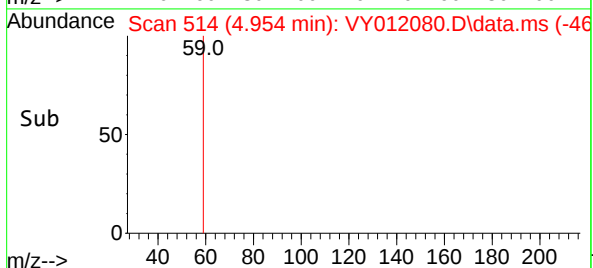
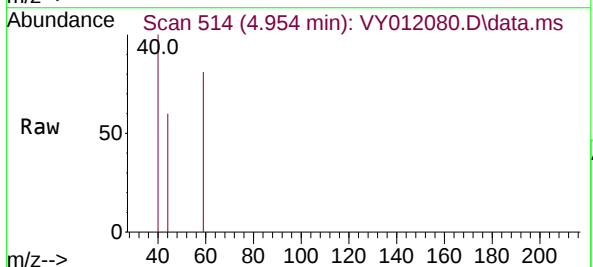


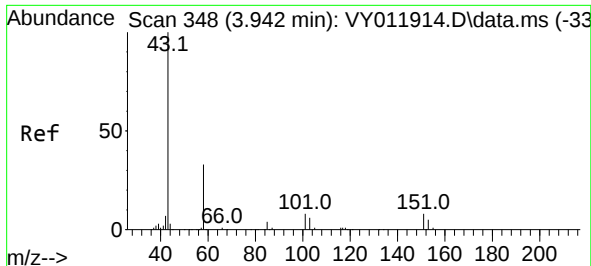
Tgt Ion:142 Resp: 845
Ion Ratio Lower Upper
142 100
127 40.6 37.0 55.4
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY012080.D
Acq: 05 Jan 2023 17:14

Tgt Ion: 59 Resp: 59
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#16

Acetone

Concen: 8.644 ug/l

RT: 3.948 min Scan# 348

Delta R.T. -0.000 min

Lab File: VY012080.D

Acq: 05 Jan 2023 17:14

Instrument :

MSVOA_Y

ClientSampleId :

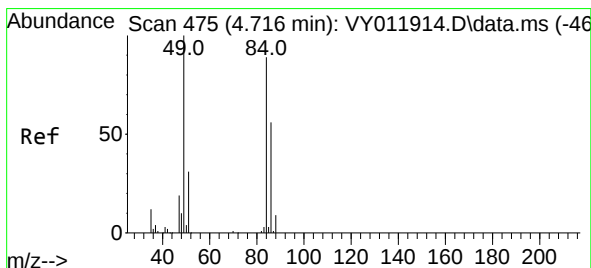
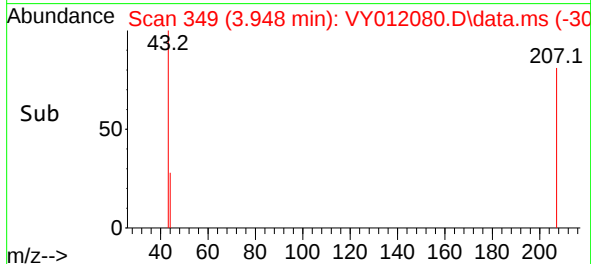
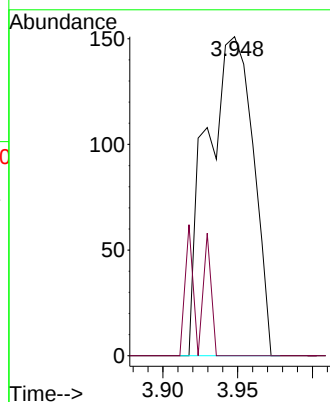
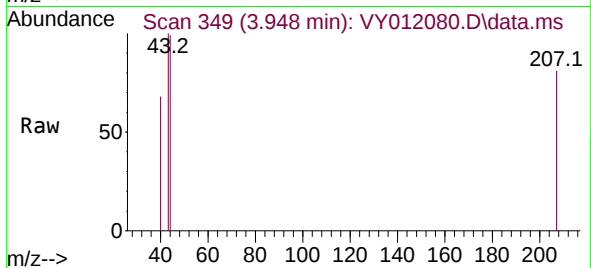
COMP-1-1-4-2023

Tgt Ion: 43 Resp: 327

Ion Ratio Lower Upper

43 100

58 0.0 27.9 41.9#



#20

Methylene Chloride

Concen: 1.775 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY012080.D

Acq: 05 Jan 2023 17:14

Tgt Ion: 84 Resp: 2487

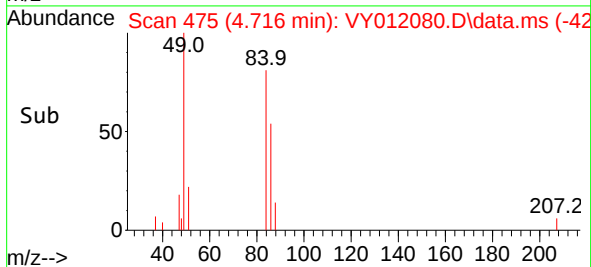
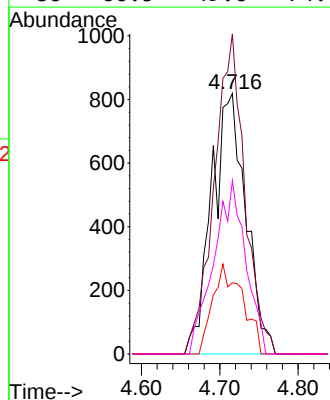
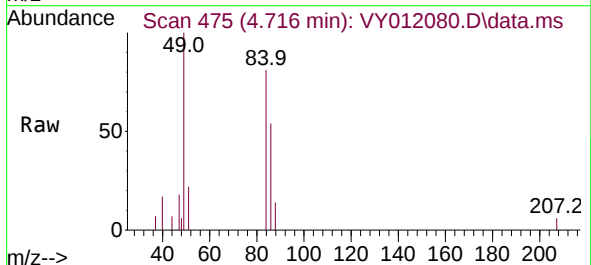
Ion Ratio Lower Upper

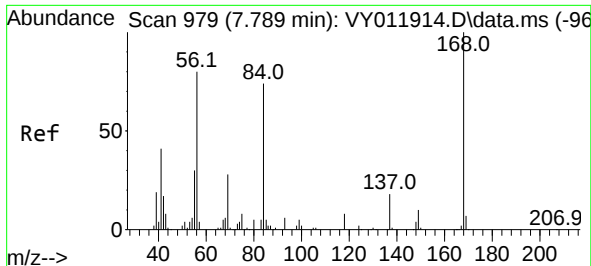
84 100

49 122.8 95.4 143.2

51 27.4 29.9 44.9#

86 66.5 49.6 74.4

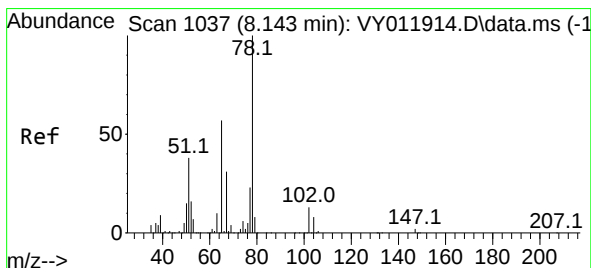
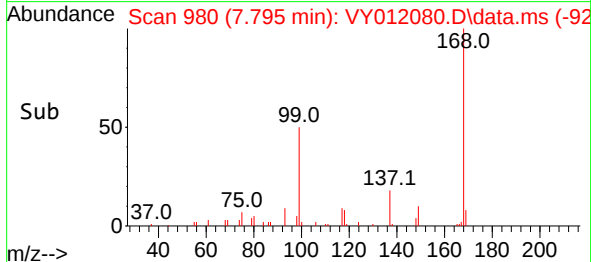
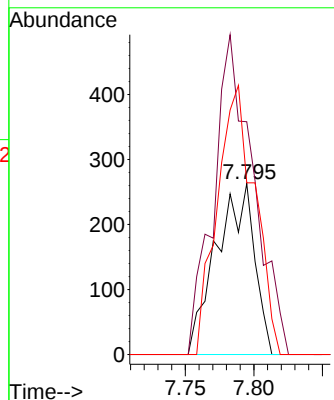
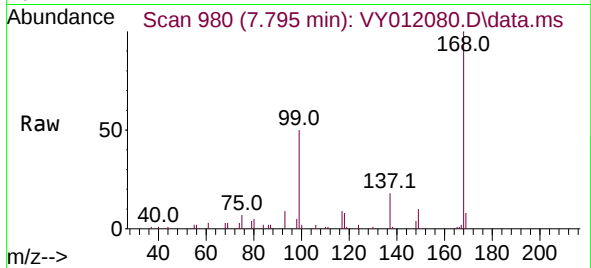




#31
Cyclohexane
Concen: 1.057 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY012080.D
Acq: 05 Jan 2023 17:14

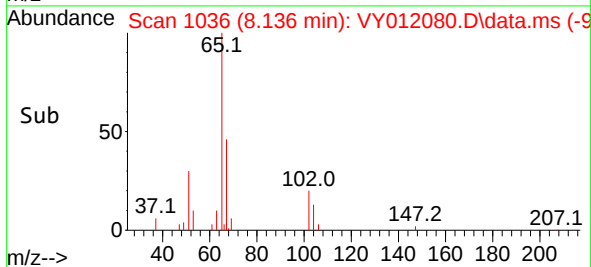
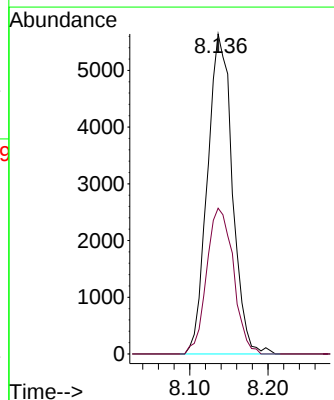
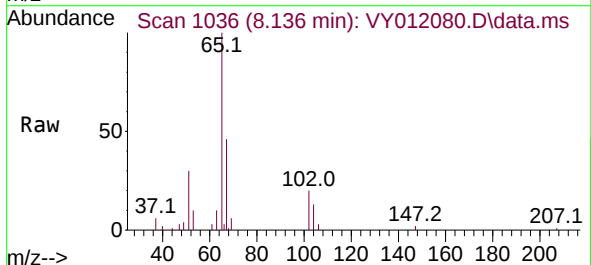
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1-1-4-2023

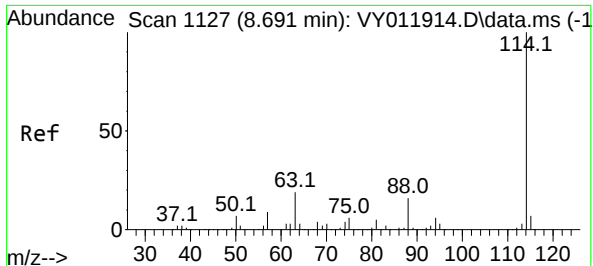
Tgt Ion: 56 Resp: 507
Ion Ratio Lower Upper
56 100
69 136.1 29.2 43.8#
84 100.4 72.6 108.8



#33
1,2-Dichloroethane-d4
Concen: 43.807 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY012080.D
Acq: 05 Jan 2023 17:14

Tgt Ion: 65 Resp: 12480
Ion Ratio Lower Upper
65 100
67 48.7 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012080.D

Acq: 05 Jan 2023 17:14

Instrument :

MSVOA_Y

ClientSampleId :

COMP-1-1-4-2023

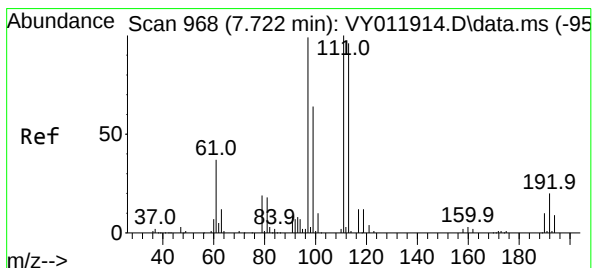
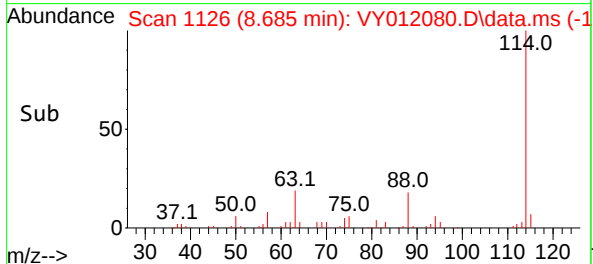
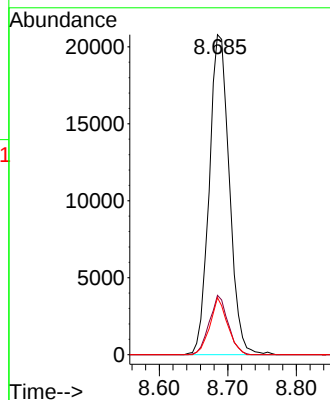
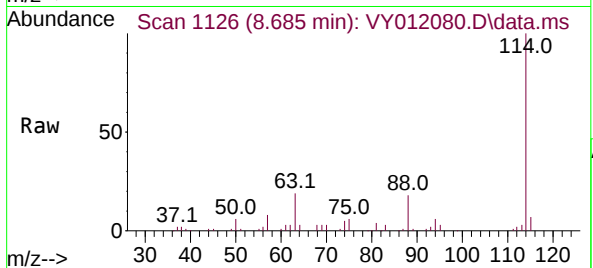
Tgt Ion:114 Resp: 42329

Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.6

88 17.8 0.0 32.2



#35

Dibromofluoromethane

Concen: 47.733 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012080.D

Acq: 05 Jan 2023 17:14

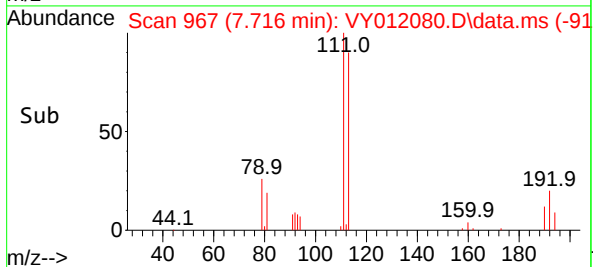
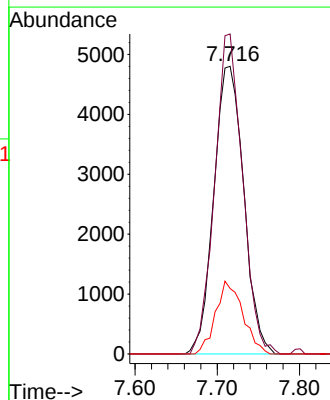
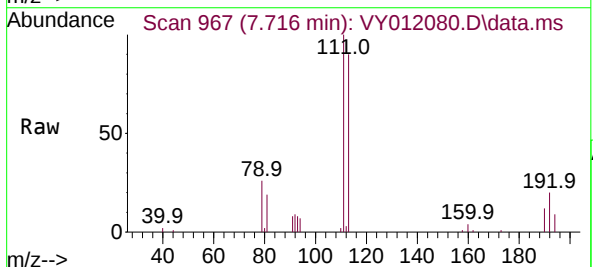
Tgt Ion:113 Resp: 12164

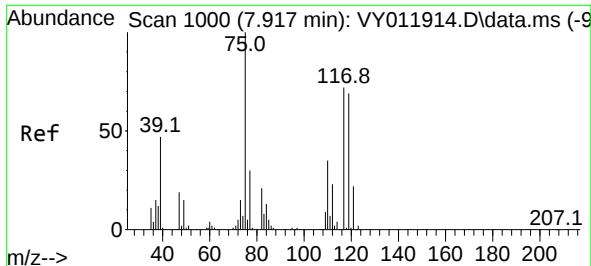
Ion Ratio Lower Upper

113 100

111 103.3 83.0 124.4

192 23.0 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.947 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY012080.D

Acq: 05 Jan 2023 17:14

Instrument :

MSVOA_Y

ClientSampleId :

COMP-1-1-4-2023

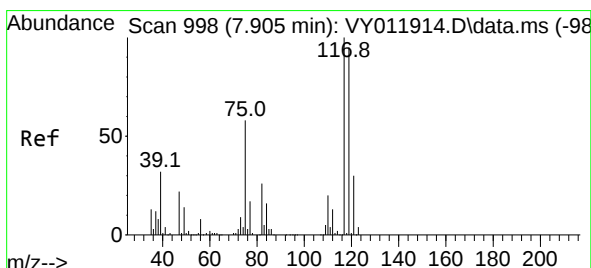
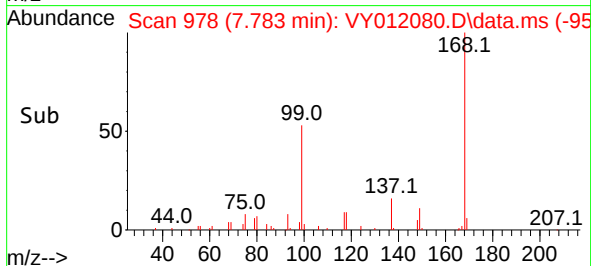
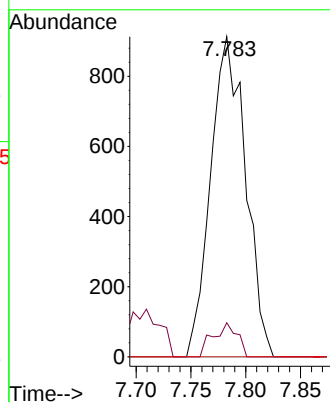
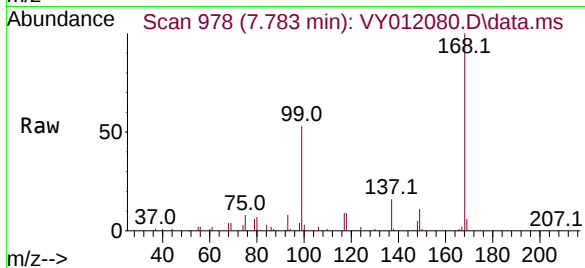
Tgt Ion: 75 Resp: 2022

Ion Ratio Lower Upper

75 100

110 7.3 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.092 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.128 min

Lab File: VY012080.D

Acq: 05 Jan 2023 17:14

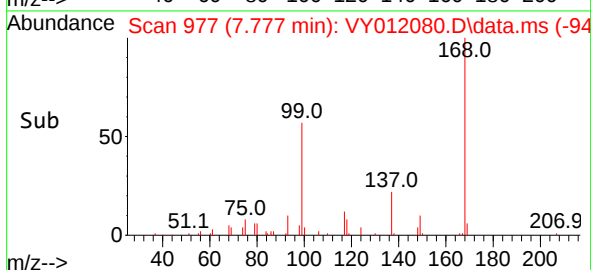
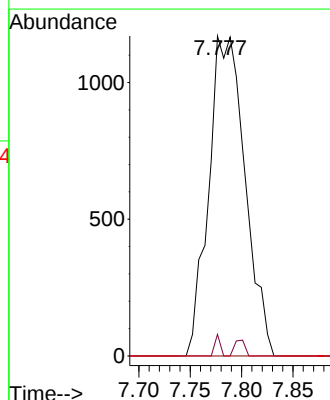
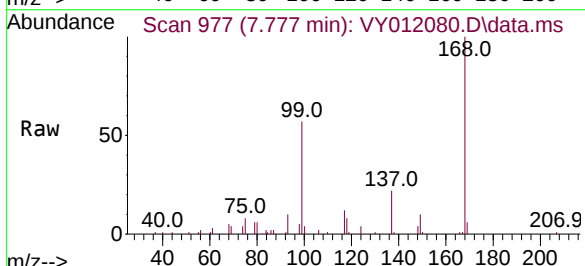
Tgt Ion: 117 Resp: 2876

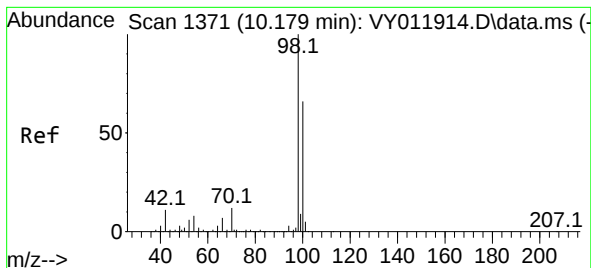
Ion Ratio Lower Upper

117 100

119 6.8 73.8 110.8#

121 0.0 25.2 37.8#

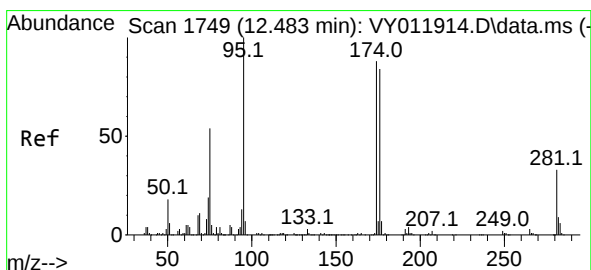
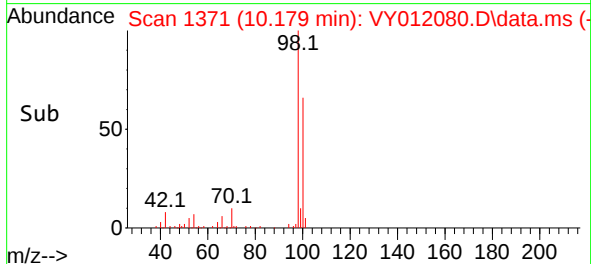
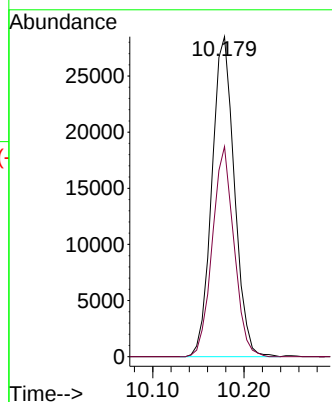
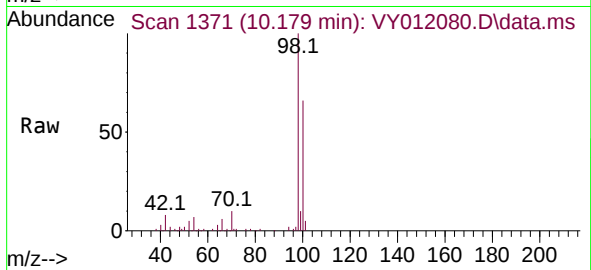




#50
Toluene-d8
Concen: 47.031 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY012080.D
Acq: 05 Jan 2023 17:14

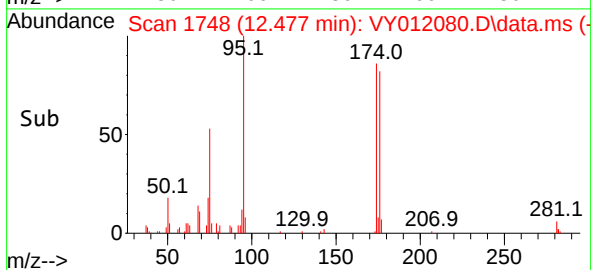
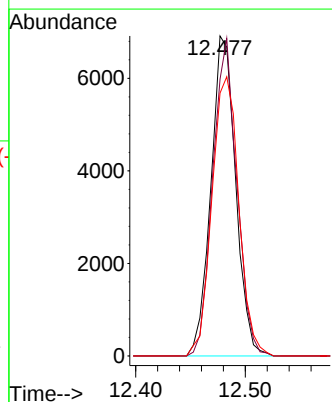
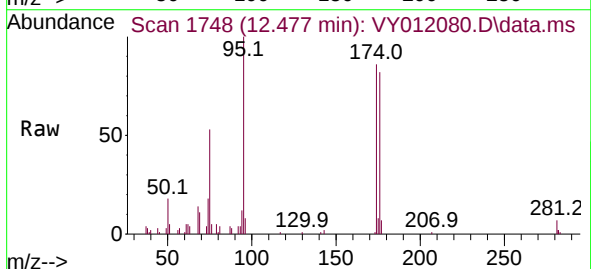
Instrument :
MSVOA_Y
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COMP-1-1-4-2023

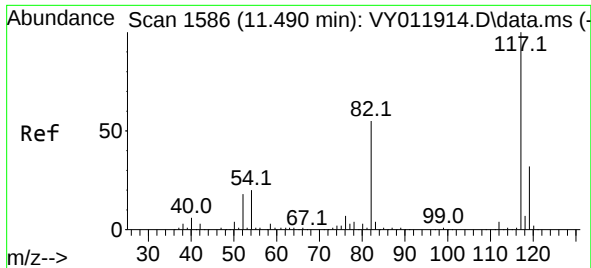
Tgt Ion: 98 Resp: 48626
Ion Ratio Lower Upper
98 100
100 63.4 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 31.208 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY012080.D
Acq: 05 Jan 2023 17:14

Tgt Ion: 95 Resp: 10852
Ion Ratio Lower Upper
95 100
174 96.5 0.0 172.0
176 94.7 0.0 167.6

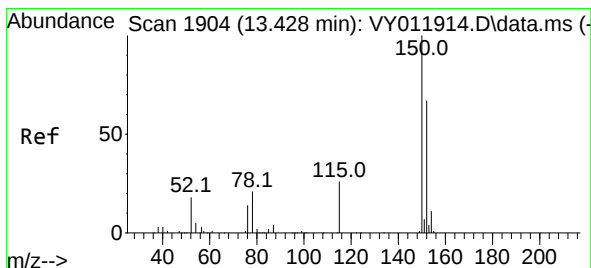
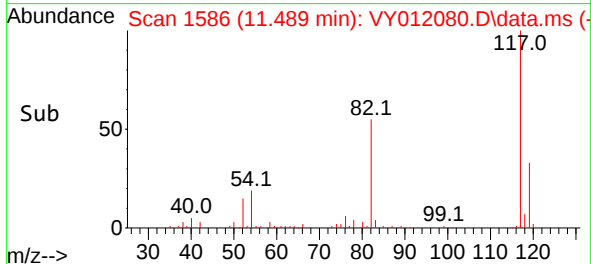
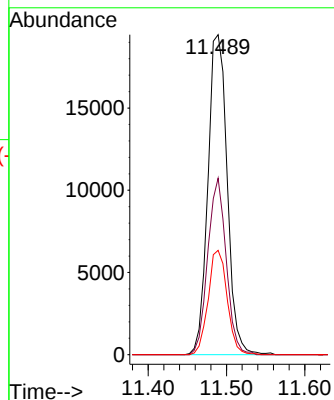
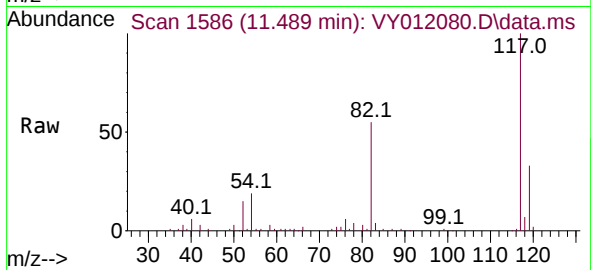




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012080.D
Acq: 05 Jan 2023 17:14

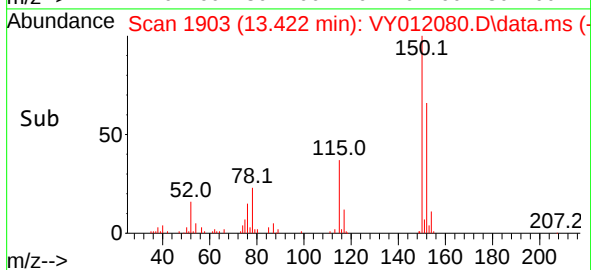
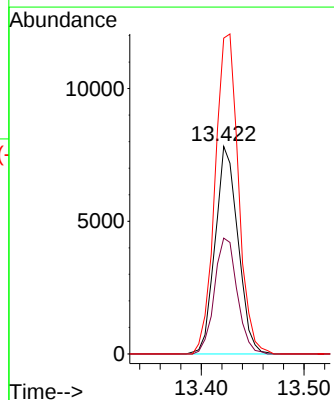
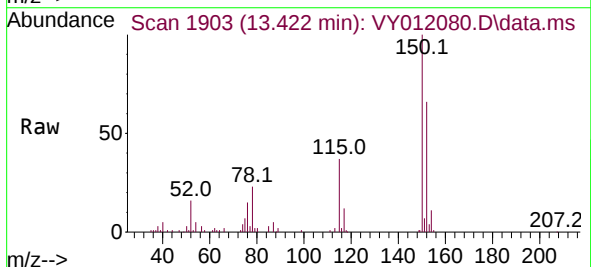
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1-1-4-2023

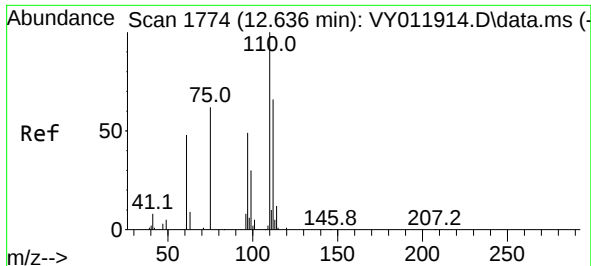
Tgt Ion:117 Resp: 33277
Ion Ratio Lower Upper
117 100
82 55.2 44.8 67.2
119 32.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY012080.D
Acq: 05 Jan 2023 17:14

Tgt Ion:152 Resp: 12047
Ion Ratio Lower Upper
152 100
115 55.7 29.1 87.3
150 157.8 0.0 342.6

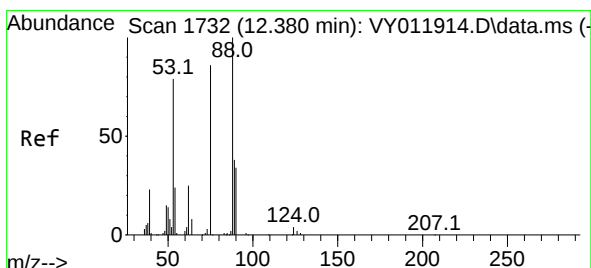
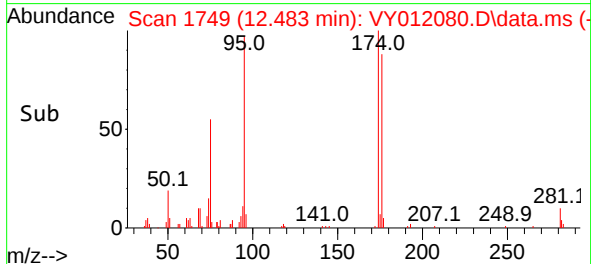
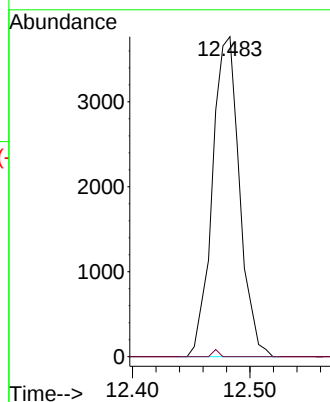
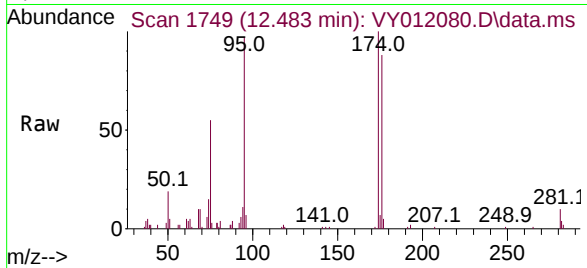




#76
1,2,3-Trichloropropane
Concen: 40.372 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY012080.D
Acq: 05 Jan 2023 17:14

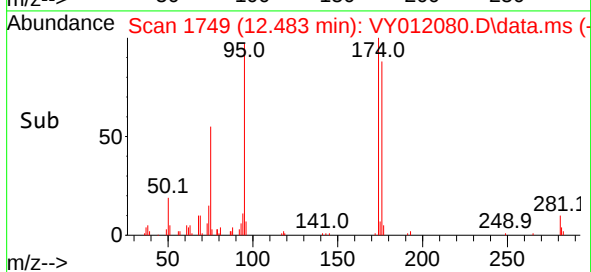
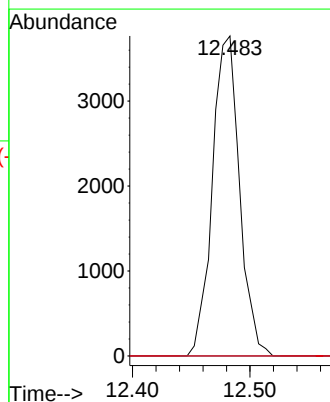
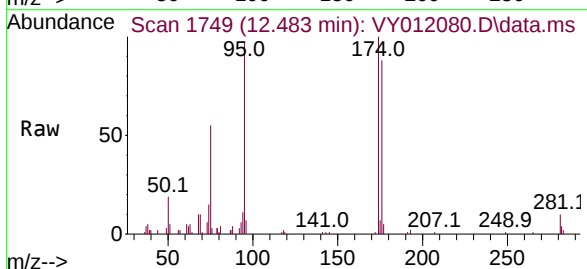
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1-1-4-2023

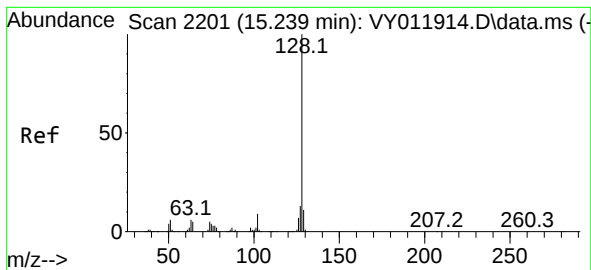
Tgt Ion: 75 Resp: 6052
Ion Ratio Lower Upper
75 100
77 0.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 110.559 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY012080.D
Acq: 05 Jan 2023 17:14

Tgt Ion: 75 Resp: 6052
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 3.119 ug/l

RT: 15.232 min Scan# 21

Delta R.T. -0.007 min

Lab File: VY012080.D

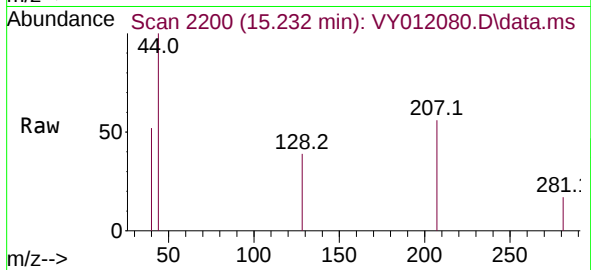
Acq: 05 Jan 2023 17:14

Instrument :

MSVOA_Y

ClientSampleId :

COMP-1-1-4-2023



Tgt Ion:128 Resp: 160

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.8 13.2#

