

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010923\
 Data File : VY012118.D
 Acq On : 09 Jan 2023 18:08
 Operator : KP/MD
 Sample : 01047-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-6

Quant Time: Jan 10 01:49:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

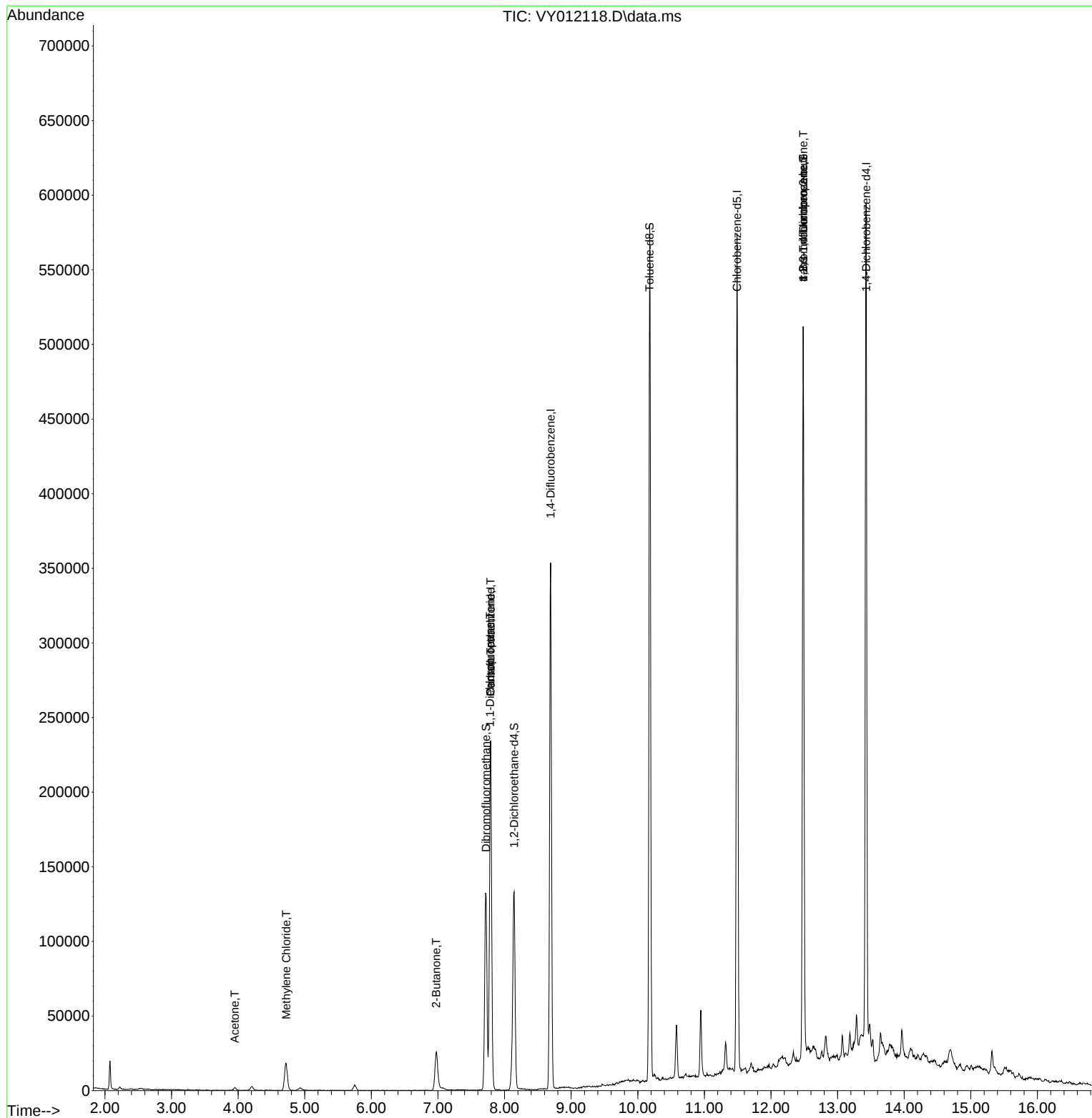
Internal Standards						
1) Pentafluorobenzene	7.789	168	180614	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	307279	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	312464	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	150889	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	104111	51.299	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.600%	
35) Dibromofluoromethane	7.722	113	92846	45.970	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 91.940%	
50) Toluene-d8	10.179	98	381854	47.901	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 95.800%	
62) 4-Bromofluorobenzene	12.483	95	138167	49.585	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 99.160%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	153	Below Cal	#	41
3) Chloromethane	2.113	50	124	Below Cal	#	41
5) Bromomethane	2.668	94	84	Below Cal	#	65
11) Tert butyl alcohol	4.930	59	2168	Below Cal	#	74
16) Acetone	3.948	43	3199	6.701	ug/l	95
17) Carbon Disulfide	4.204	76	215	Below Cal	#	75
20) Methylene Chloride	4.723	84	15003	1.720	ug/l	87
25) 2-Butanone	6.972	43	2150	3.413	ug/l	98
31) Cyclohexane	7.789	56	3521	Below Cal	#	24
36) 1,1-Dichloropropene	7.783	75	12484	4.074	ug/l	# 49
38) Carbon Tetrachloride	7.789	117	18202	4.680	ug/l	# 18
76) 1,2,3-Trichloropropane	12.483	75	74578	43.288	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	74578	96.135	ug/l	# 14

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

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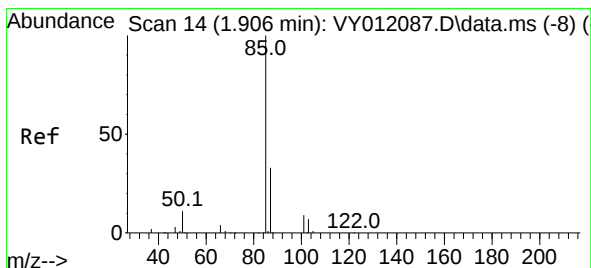
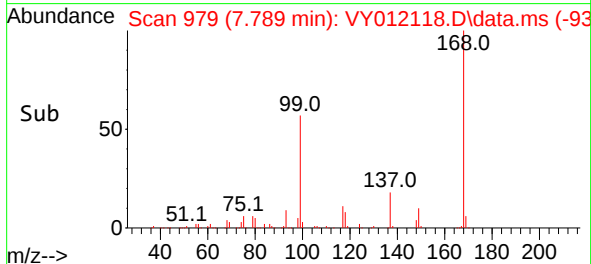
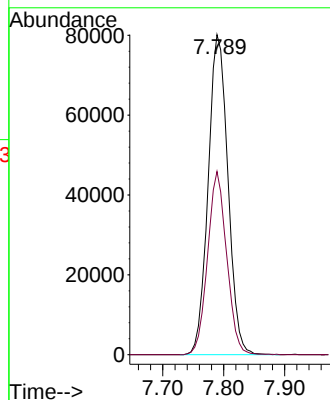
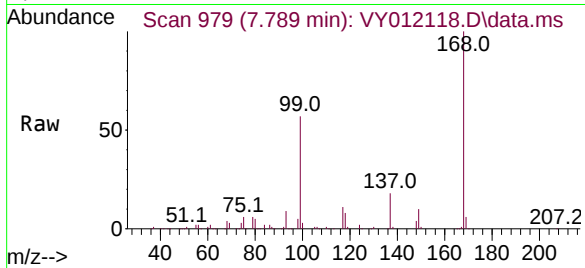




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012118.D
Acq: 09 Jan 2023 18:08

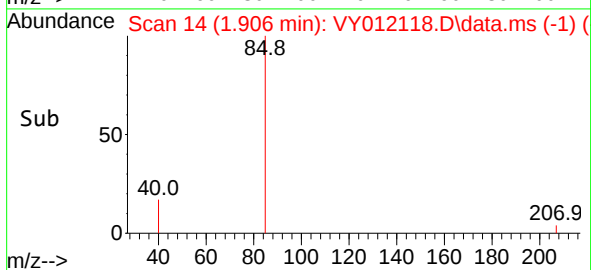
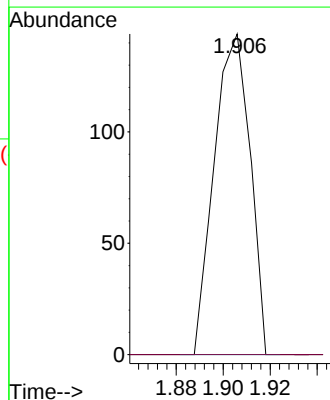
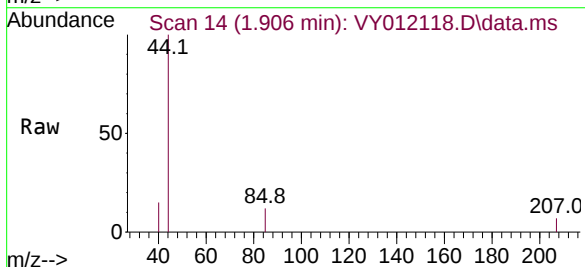
Instrument :
MSVOA_Y
ClientSampleId :
TP-6

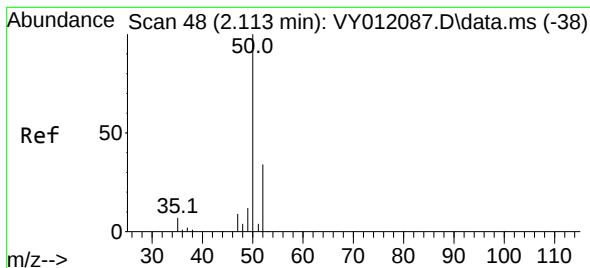
Tgt Ion:168 Resp: 180614
Ion Ratio Lower Upper
168 100
99 57.3 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY012118.D
Acq: 09 Jan 2023 18:08

Tgt Ion: 85 Resp: 153
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#





#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY012118.D

Acq: 09 Jan 2023 18:08

Instrument :

MSVOA_Y

ClientSampleId :

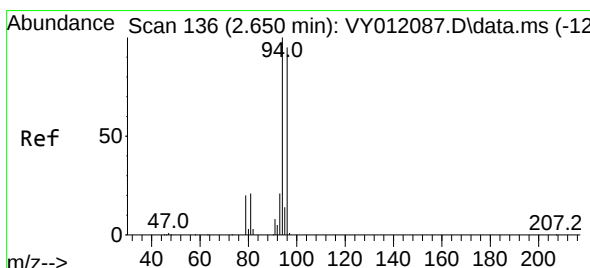
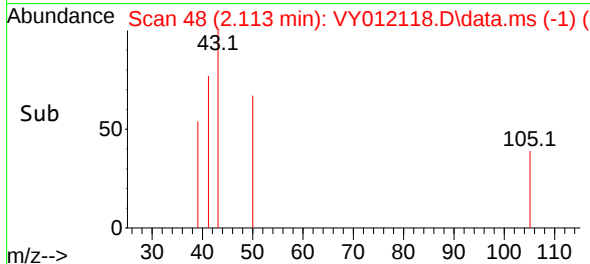
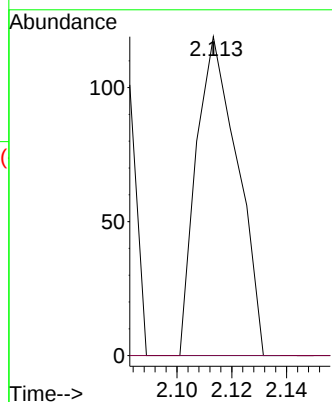
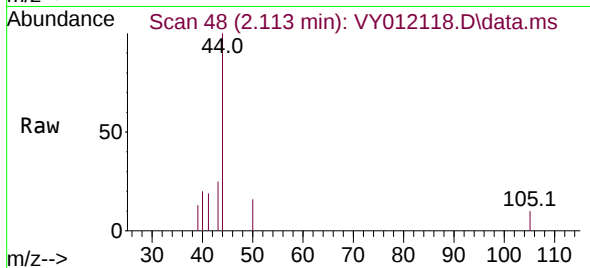
TP-6

Tgt Ion: 50 Resp: 124

Ion Ratio Lower Upper

50 100

52 0.0 26.8 40.2#



#5

Bromomethane

Concen: Below Cal

RT: 2.668 min Scan# 139

Delta R.T. 0.018 min

Lab File: VY012118.D

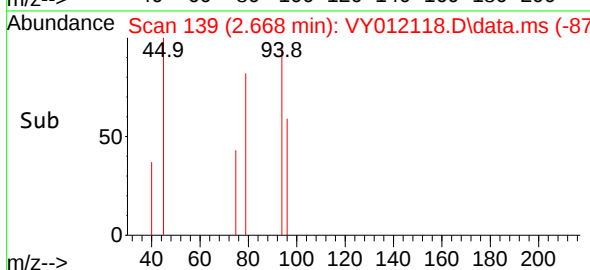
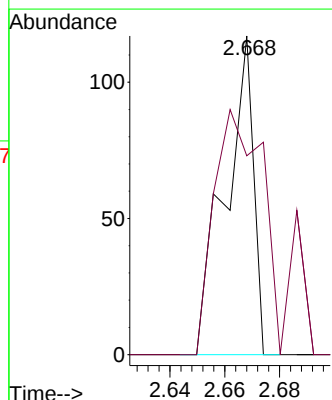
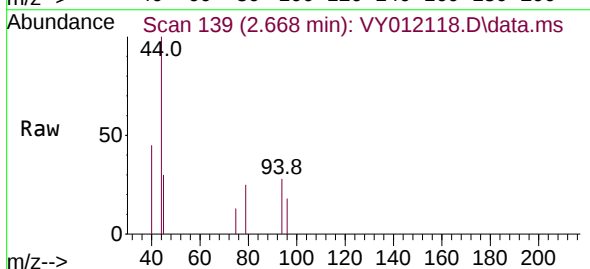
Acq: 09 Jan 2023 18:08

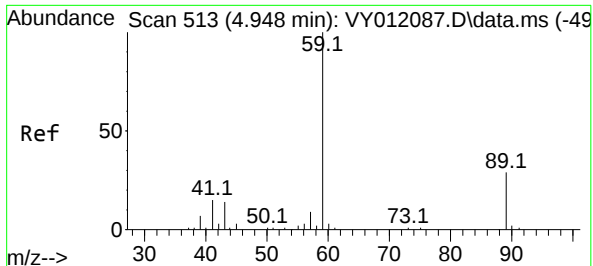
Tgt Ion: 94 Resp: 84

Ion Ratio Lower Upper

94 100

96 62.4 77.4 116.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.930 min Scan# 513

Delta R.T. -0.018 min

Lab File: VY012118.D

Acq: 09 Jan 2023 18:08

Instrument :

MSVOA_Y

ClientSampleId :

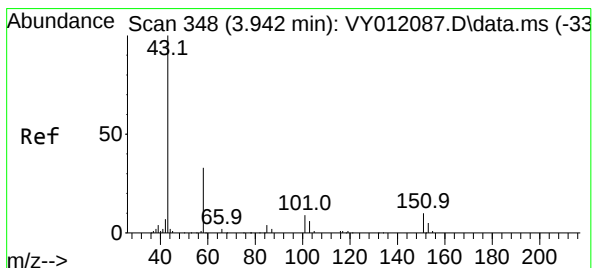
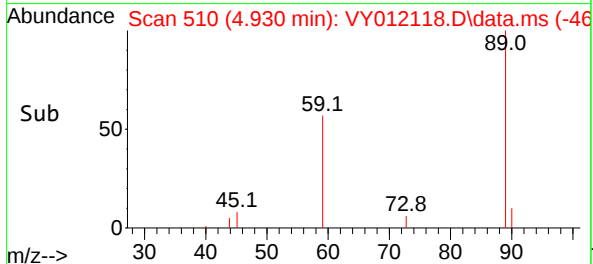
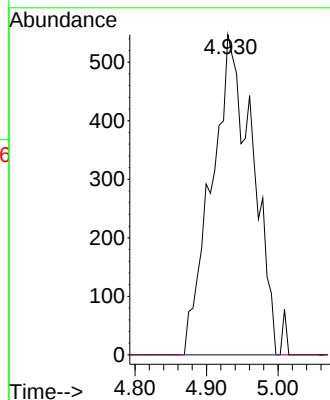
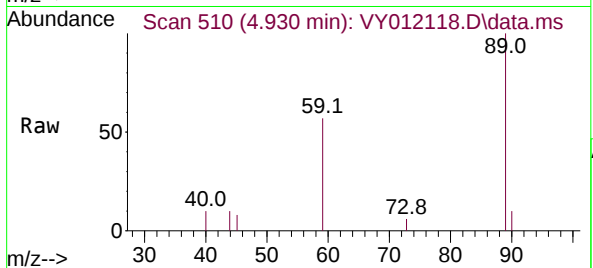
TP-6

Tgt Ion: 59 Resp: 2168

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#16

Acetone

Concen: 6.701 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.006 min

Lab File: VY012118.D

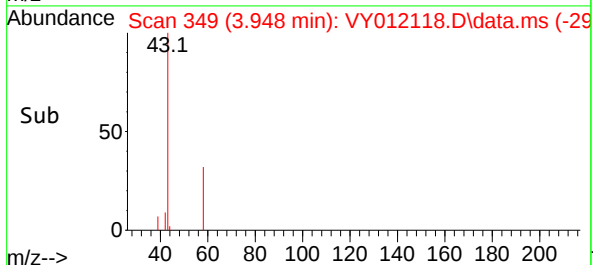
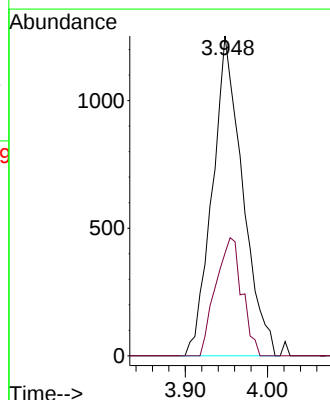
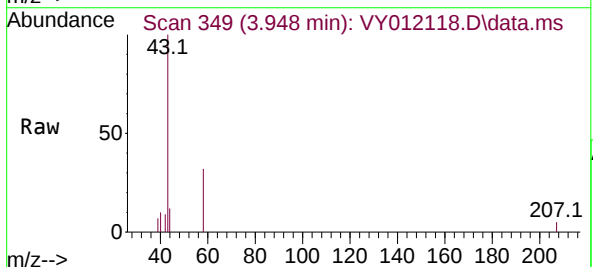
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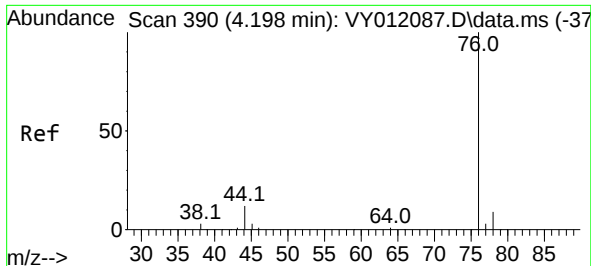
Tgt Ion: 43 Resp: 3199

Ion Ratio Lower Upper

43 100

58 32.1 27.9 41.9





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.204 min Scan# 391

Delta R.T. 0.006 min

Lab File: VY012118.D

Acq: 09 Jan 2023 18:08

Instrument :

MSVOA_Y

ClientSampleId :

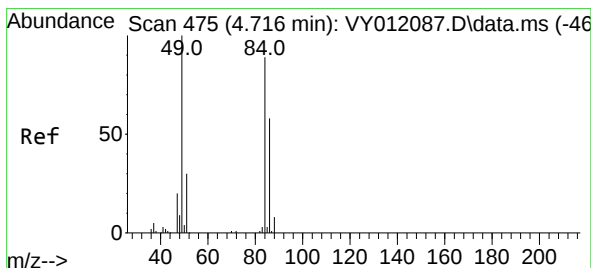
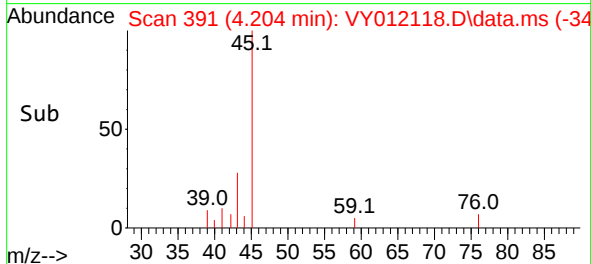
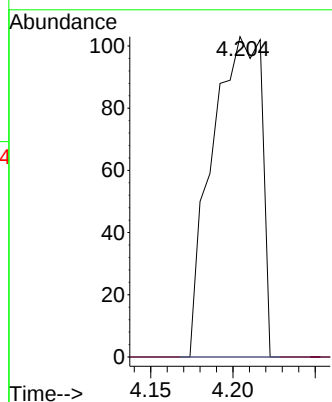
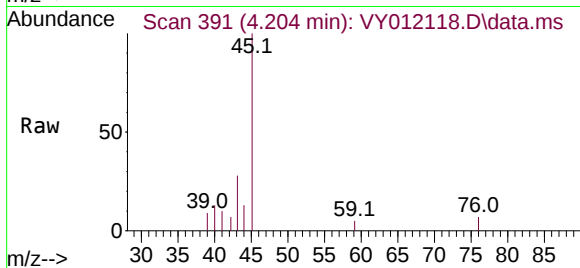
TP-6

Tgt Ion: 76 Resp: 215

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#20

Methylene Chloride

Concen: 1.720 ug/l

RT: 4.723 min Scan# 476

Delta R.T. 0.007 min

Lab File: VY012118.D

Acq: 09 Jan 2023 18:08

Tgt Ion: 84 Resp: 15003

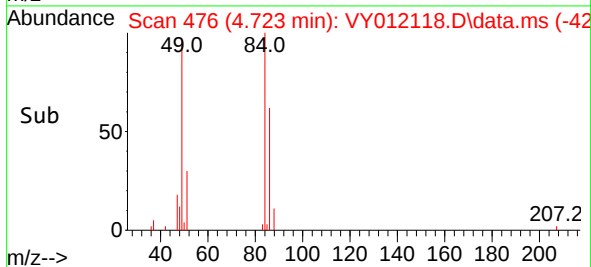
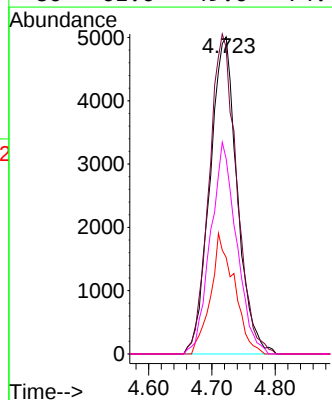
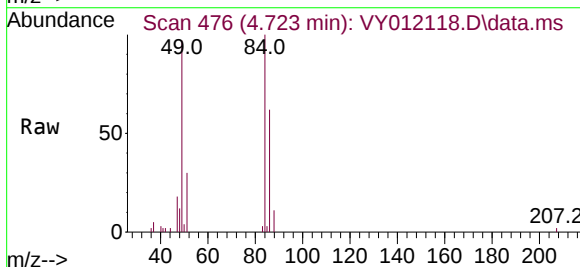
Ion Ratio Lower Upper

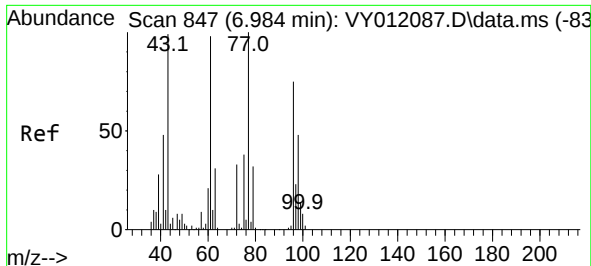
84 100

49 96.7 95.4 143.2

51 30.5 29.9 44.9

86 61.6 49.6 74.4

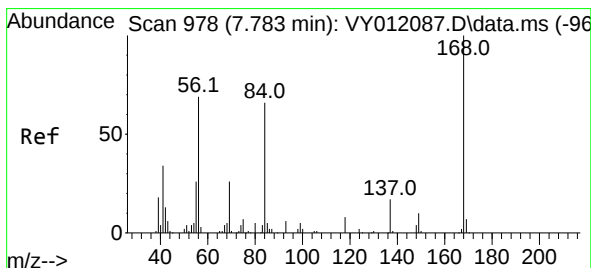
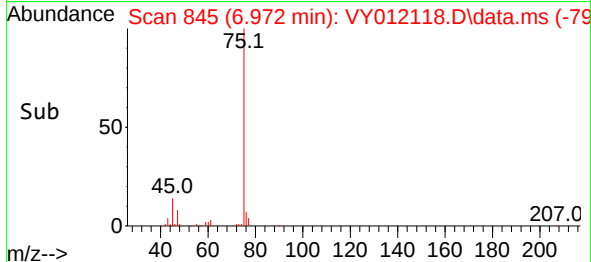
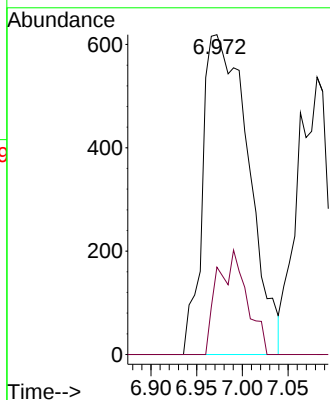
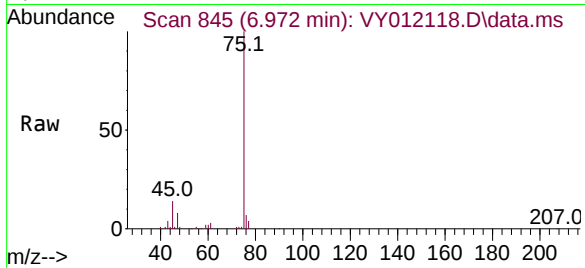




#25
2-Butanone
Concen: 3.413 ug/l
RT: 6.972 min Scan# 84
Delta R.T. -0.012 min
Lab File: VY012118.D
Acq: 09 Jan 2023 18:08

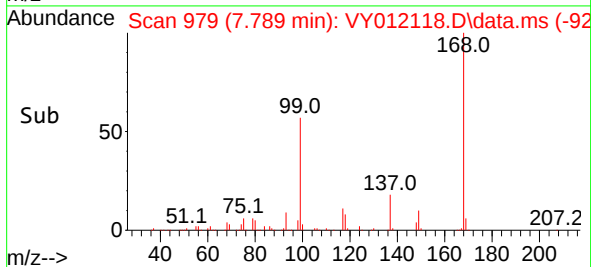
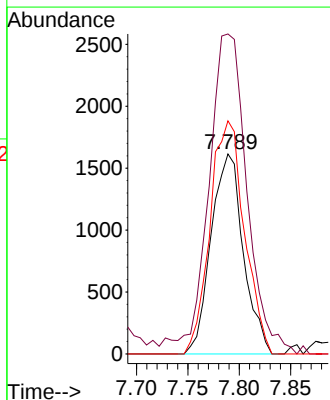
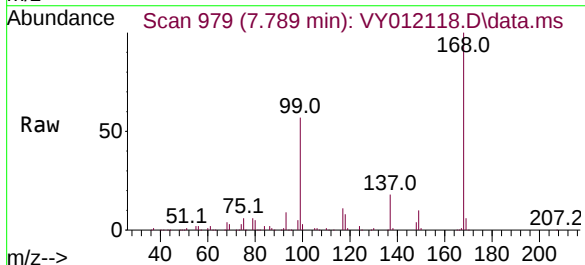
Instrument :
MSVOA_Y
ClientSampleId :
TP-6

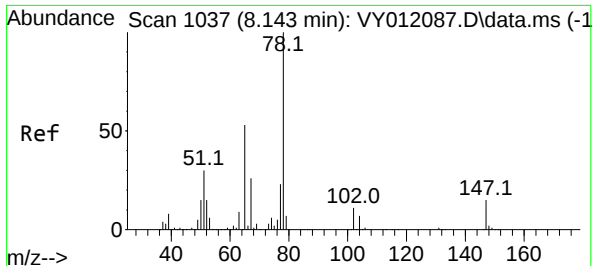
Tgt Ion: 43 Resp: 2150
Ion Ratio Lower Upper
43 100
72 27.3 22.6 34.0



#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY012118.D
Acq: 09 Jan 2023 18:08

Tgt Ion: 56 Resp: 3521
Ion Ratio Lower Upper
56 100
69 153.3 29.2 43.8#
84 116.6 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 51.299 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY012118.D

Acq: 09 Jan 2023 18:08

Instrument :

MSVOA_Y

ClientSampleId :

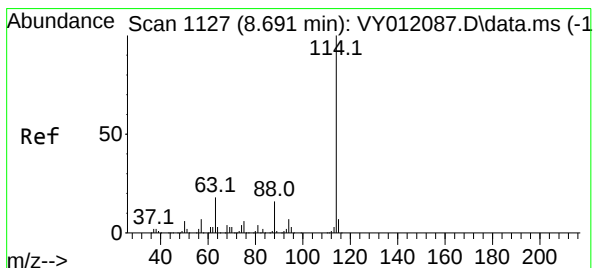
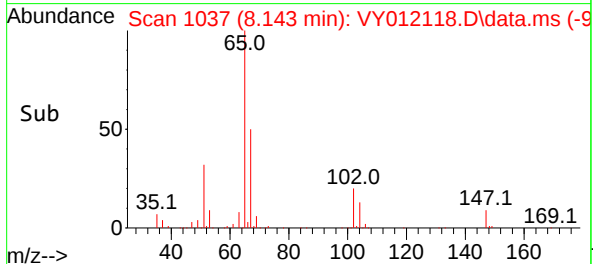
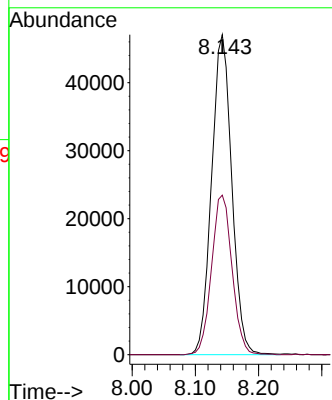
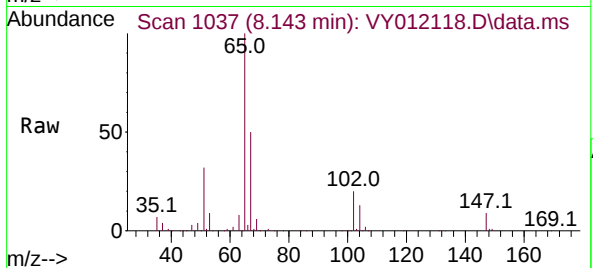
TP-6

Tgt Ion: 65 Resp: 104111

Ion Ratio Lower Upper

65 100

67 50.6 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012118.D

Acq: 09 Jan 2023 18:08

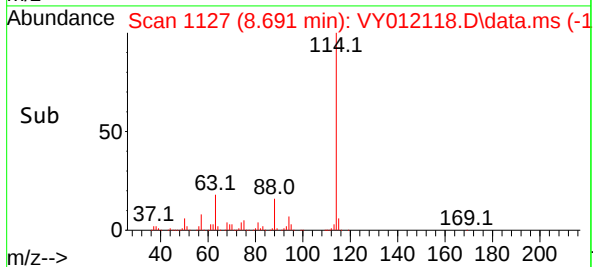
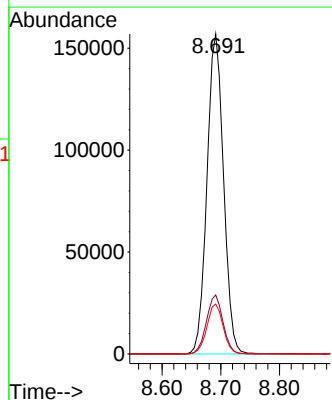
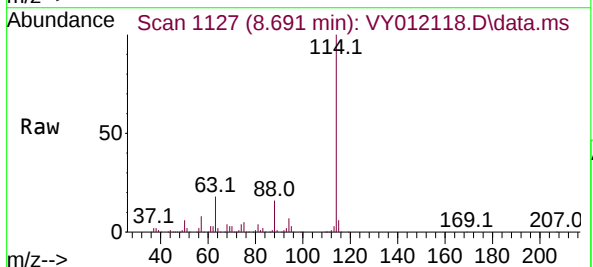
Tgt Ion: 114 Resp: 307279

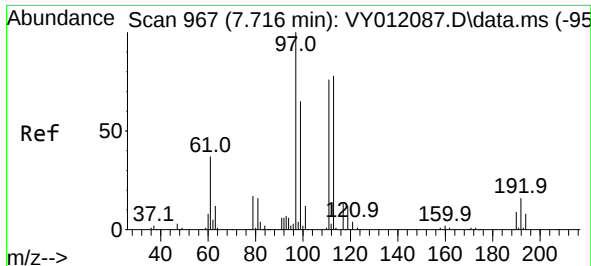
Ion Ratio Lower Upper

114 100

63 18.4 0.0 39.6

88 15.6 0.0 32.2

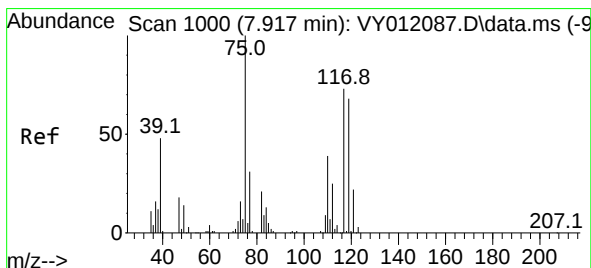
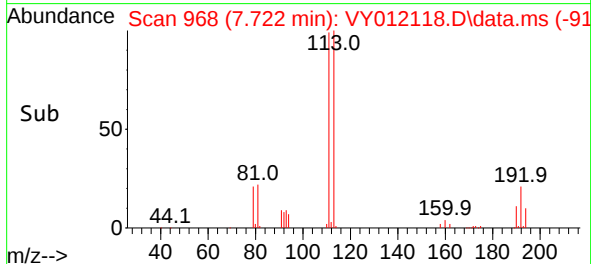
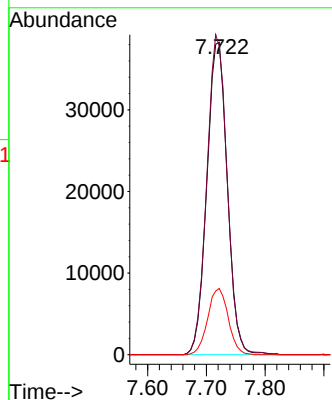
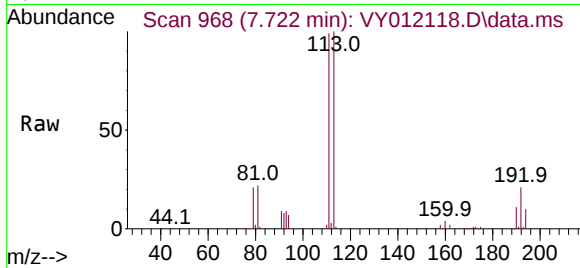




#35
Dibromofluoromethane
Concen: 45.970 ug/l
RT: 7.722 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY012118.D
Acq: 09 Jan 2023 18:08

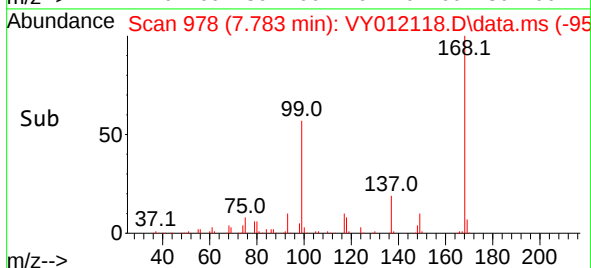
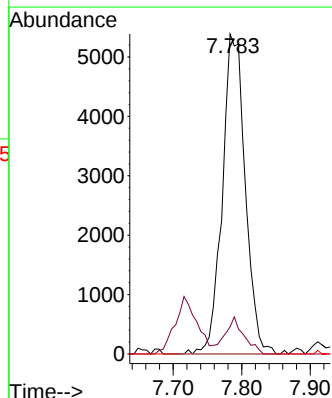
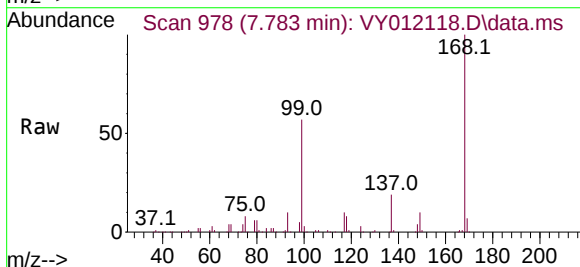
Instrument :
MSVOA_Y
ClientSampleId :
TP-6

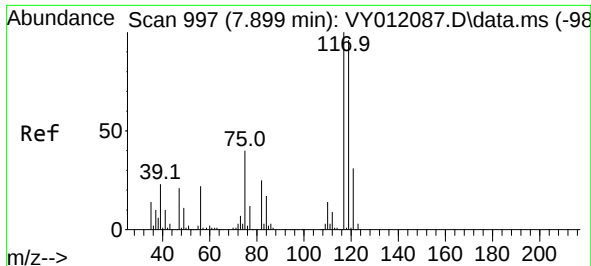
Tgt Ion:113 Resp: 92846
Ion Ratio Lower Upper
113 100
111 101.6 83.0 124.4
192 21.2 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.074 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012118.D
Acq: 09 Jan 2023 18:08

Tgt Ion: 75 Resp: 12484
Ion Ratio Lower Upper
75 100
110 9.5 18.1 54.1#
77 0.0 25.1 37.7#

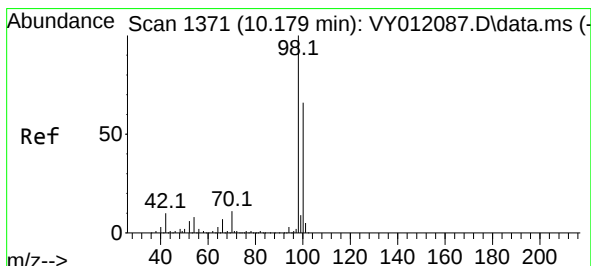
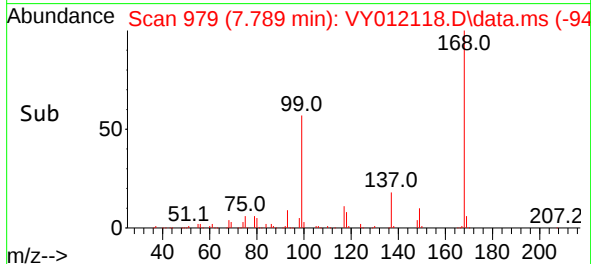
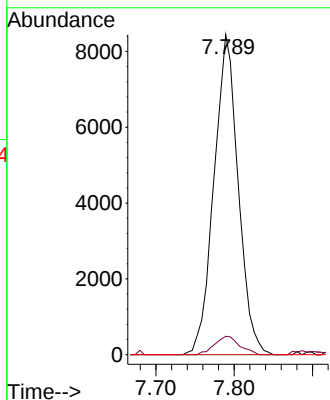
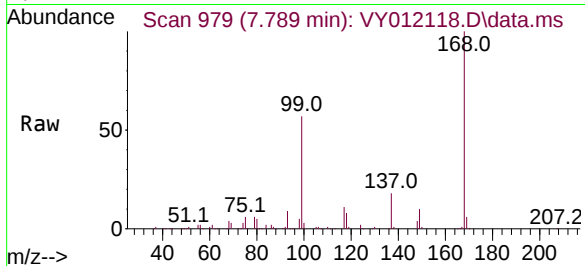




#38
Carbon Tetrachloride
Concen: 4.680 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012118.D
Acq: 09 Jan 2023 18:08

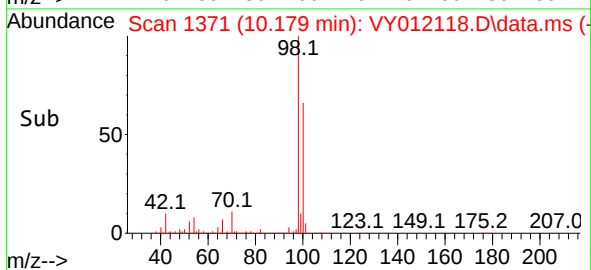
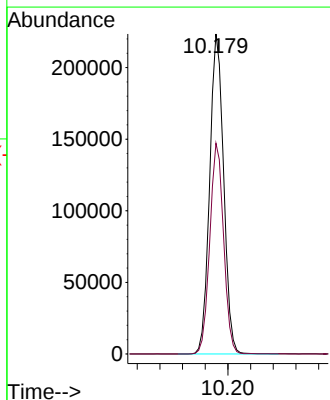
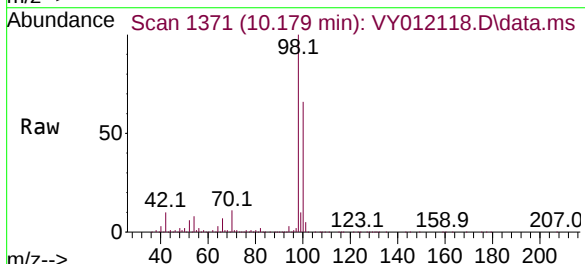
Instrument :
MSVOA_Y
ClientSampleId :
TP-6

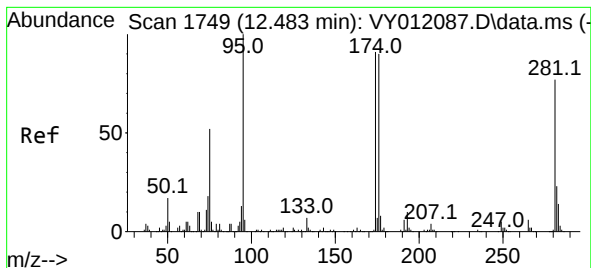
Tgt Ion:117 Resp: 18202
Ion Ratio Lower Upper
117 100
119 5.8 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 47.901 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012118.D
Acq: 09 Jan 2023 18:08

Tgt Ion: 98 Resp: 381854
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9

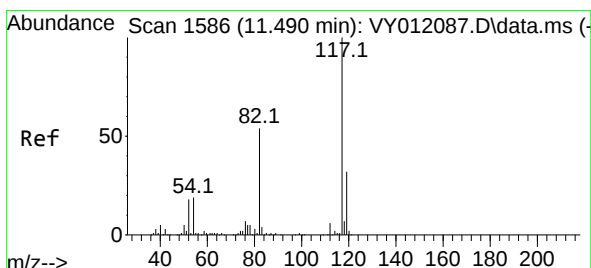
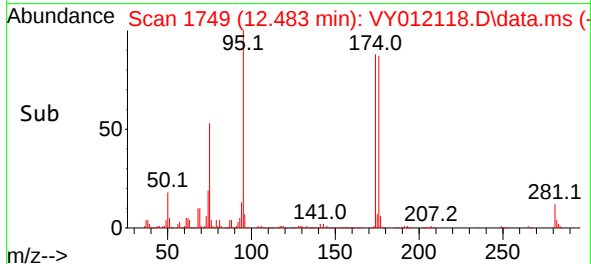
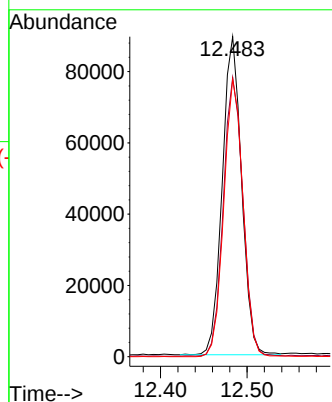
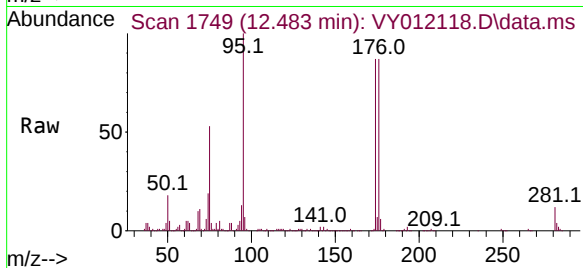




#62
4-Bromofluorobenzene
Concen: 49.585 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012118.D
Acq: 09 Jan 2023 18:08

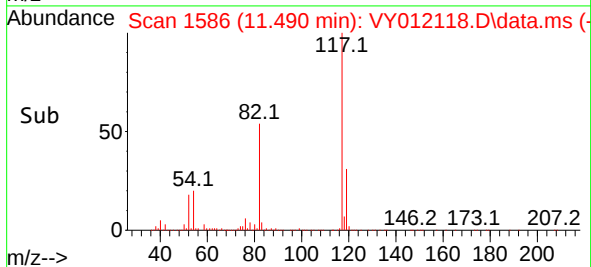
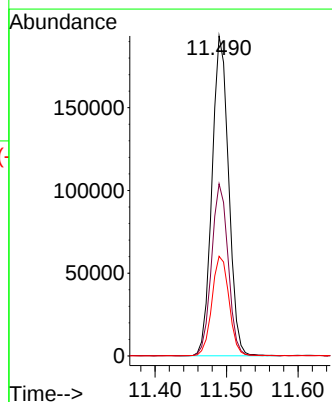
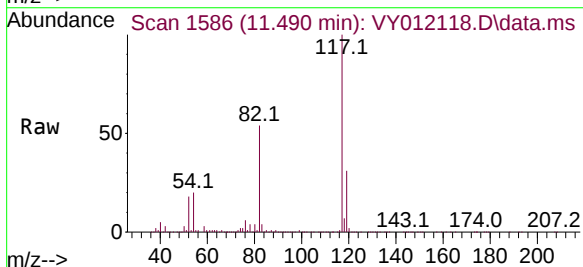
Instrument :
MSVOA_Y
ClientSampleId :
TP-6

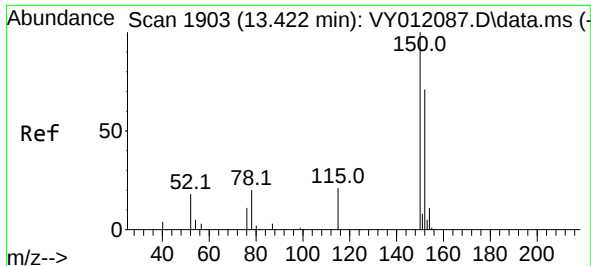
Tgt Ion: 95 Resp: 138167
Ion Ratio Lower Upper
95 100
174 89.2 0.0 172.0
176 87.3 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012118.D
Acq: 09 Jan 2023 18:08

Tgt Ion: 117 Resp: 312464
Ion Ratio Lower Upper
117 100
82 53.8 44.8 67.2
119 31.1 25.4 38.2

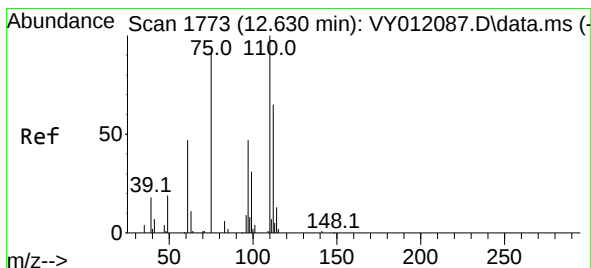
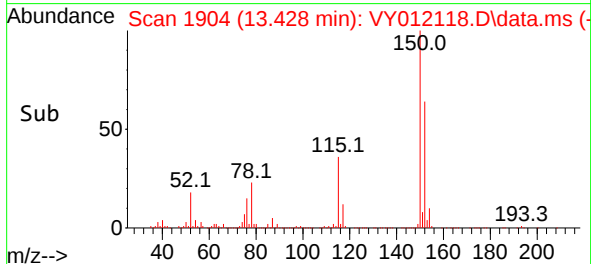
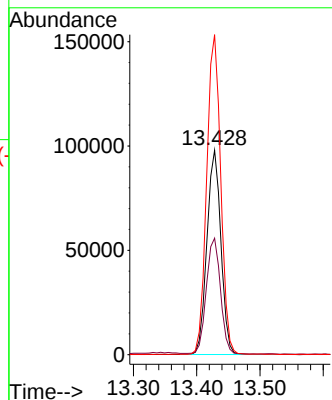
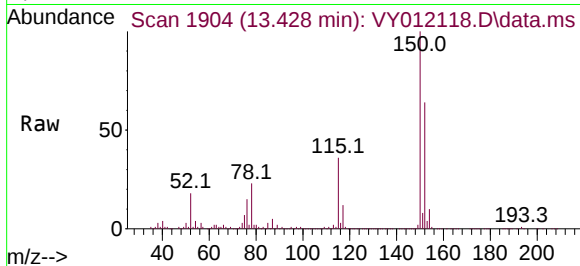




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY012118.D
 Acq: 09 Jan 2023 18:08

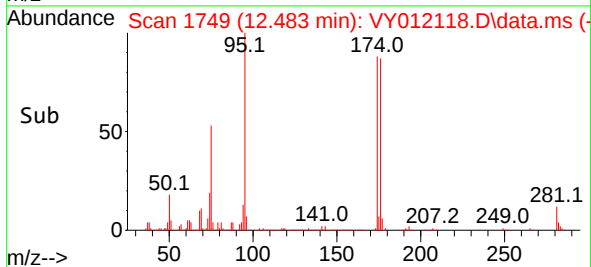
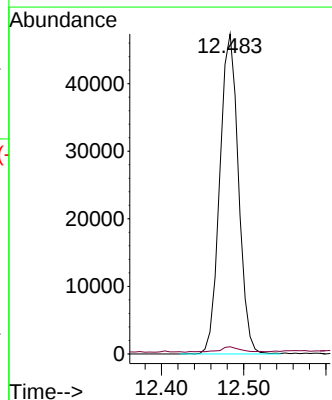
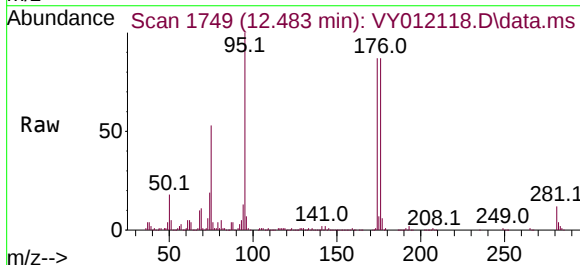
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-6

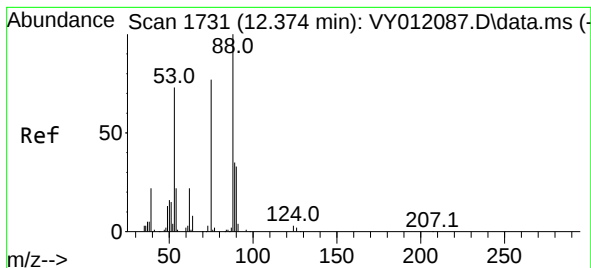
Tgt Ion:152 Resp: 150889
 Ion Ratio Lower Upper
 152 100
 115 57.5 29.1 87.3
 150 156.7 0.0 342.6



#76
 1,2,3-Trichloropropane
 Concen: 43.288 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY012118.D
 Acq: 09 Jan 2023 18:08

Tgt Ion: 75 Resp: 74578
 Ion Ratio Lower Upper
 75 100
 77 2.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.135 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY012118.D
 Acq: 09 Jan 2023 18:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-6

Tgt Ion: 75 Resp: 74578
 Ion Ratio Lower Upper
 75 100
 53 0.9 72.5 108.7#
 89 0.5 37.0 55.4#

