

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010423\
 Data File : VY012068.D
 Acq On : 04 Jan 2023 14:00
 Operator : KP/MD
 Sample : 01009-01
 Misc : 5.86g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

Quant Time: Jan 05 00:41:33 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)

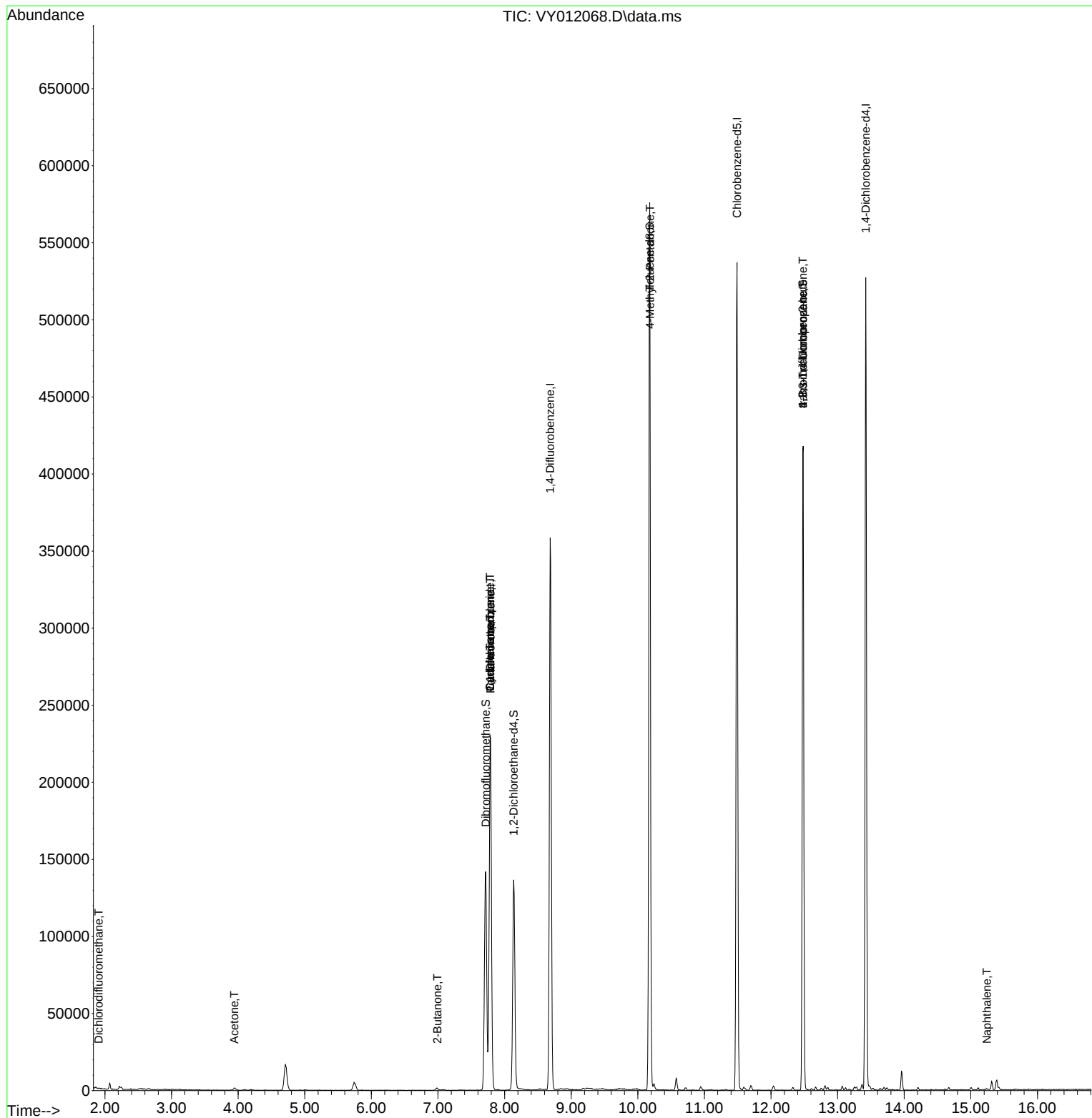
Internal Standards						
1) Pentafluorobenzene	7.789	168	185158	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	318677	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	301783	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	138583	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	112057	60.070	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.140%	
35) Dibromofluoromethane	7.716	113	98720	51.456	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.920%	
50) Toluene-d8	10.179	98	384130	49.349	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.700%	
62) 4-Bromofluorobenzene	12.477	95	123125	47.032	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 94.060%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	259	2.634	ug/l #	41
11) Tert butyl alcohol	4.942	59	173	Below Cal	#	74
16) Acetone	3.942	43	2536	9.339	ug/l	97
25) 2-Butanone	6.990	43	1659	2.670	ug/l #	74
31) Cyclohexane	7.783	56	3601	1.147	ug/l #	30
36) 1,1-Dichloropropene	7.783	75	12402	4.030	ug/l #	51
38) Carbon Tetrachloride	7.783	117	18411	5.180	ug/l #	17
51) 4-Methyl-2-Pentanone	10.185	43	1365	1.015	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	64638	37.484	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	64638	102.649	ug/l #	13
95) Naphthalene	15.239	128	1105	2.983	ug/l #	86

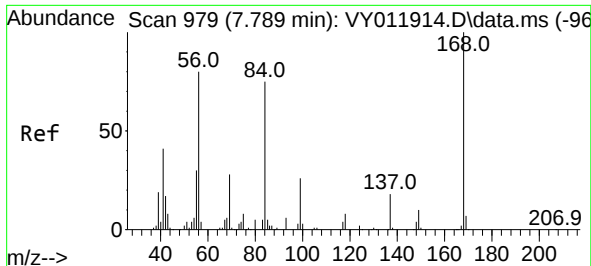
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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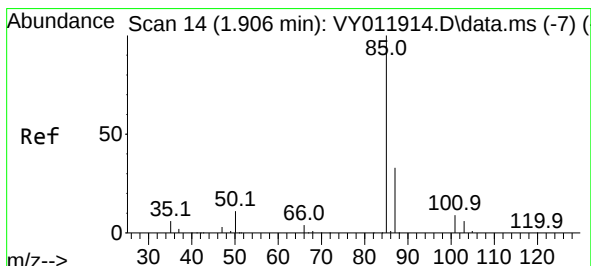
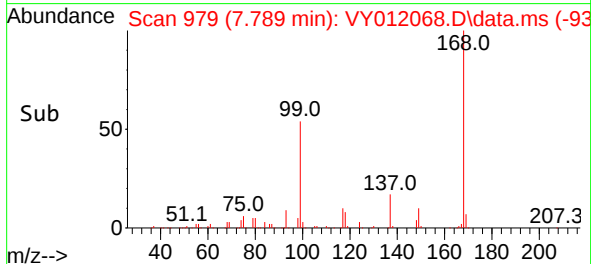
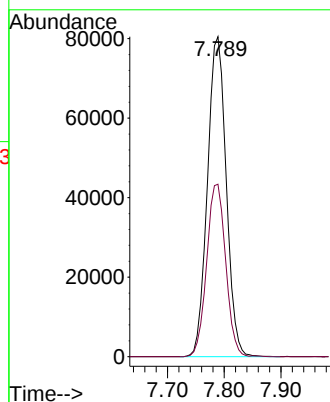
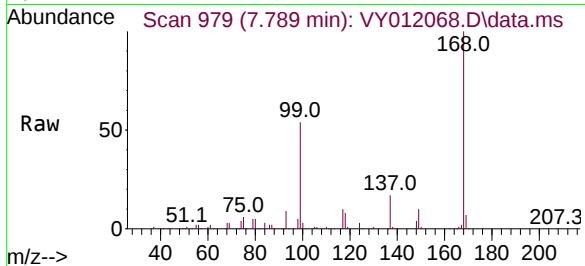




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012068.D
Acq: 04 Jan 2023 14:00

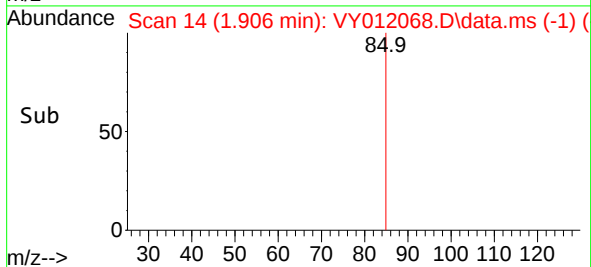
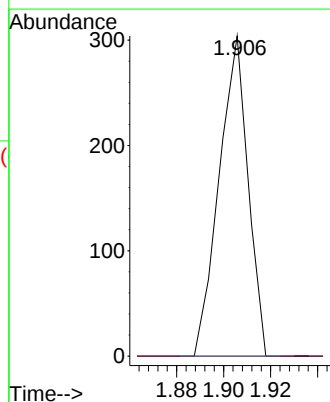
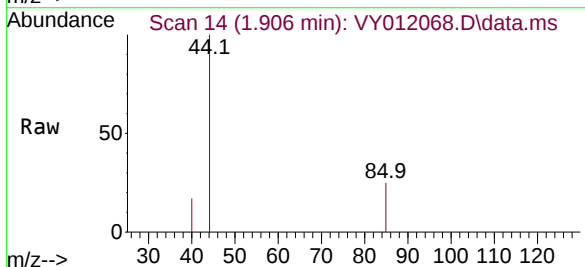
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

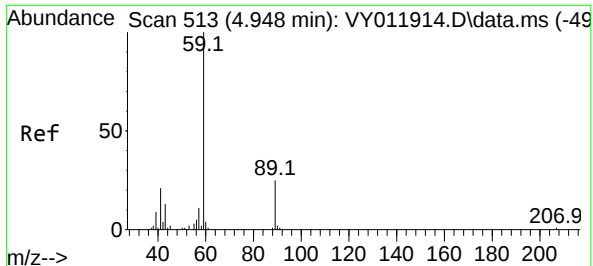
Tgt Ion:168 Resp: 185158
Ion Ratio Lower Upper
168 100
99 53.9 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.634 ug/l
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY012068.D
Acq: 04 Jan 2023 14:00

Tgt Ion: 85 Resp: 259
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.942 min Scan# 513

Delta R.T. -0.006 min

Lab File: VY012068.D

Acq: 04 Jan 2023 14:00

Instrument :

MSVOA_Y

ClientSampleId :

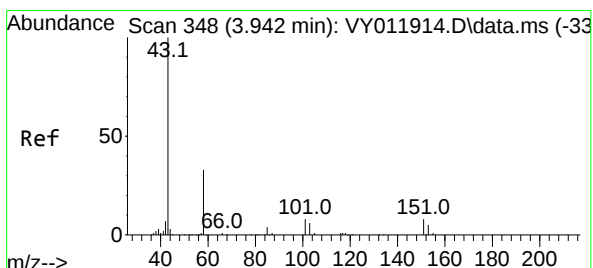
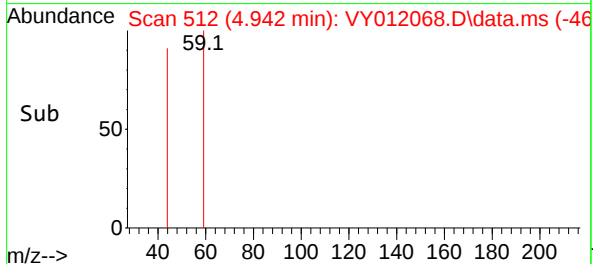
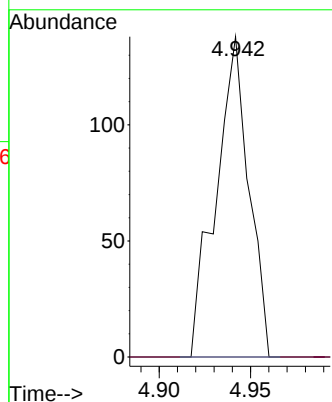
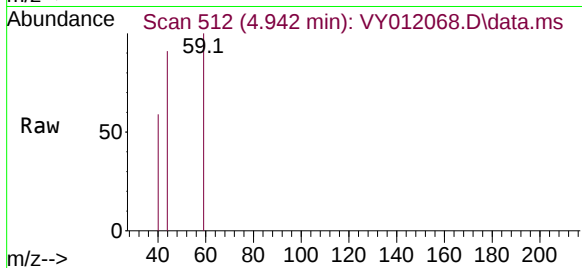
TP-4

Tgt Ion: 59 Resp: 173

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#16

Acetone

Concen: 9.339 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.006 min

Lab File: VY012068.D

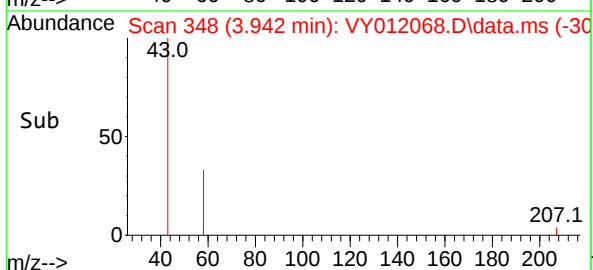
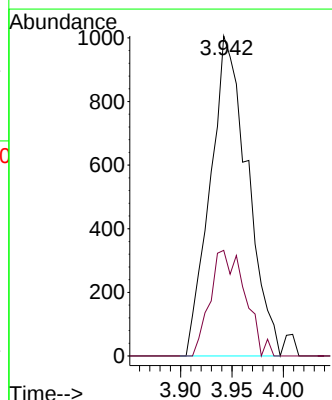
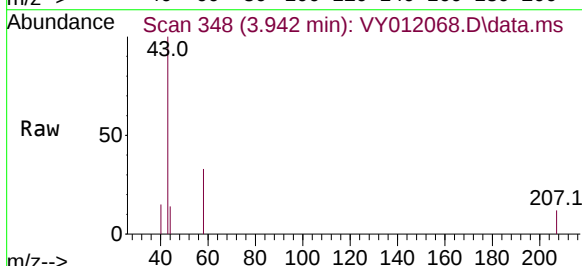
Acq: 04 Jan 2023 14:00

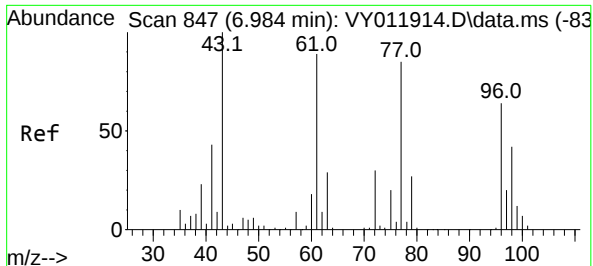
Tgt Ion: 43 Resp: 2536

Ion Ratio Lower Upper

43 100

58 33.0 27.9 41.9





#25

2-Butanone

Concen: 2.670 ug/l

RT: 6.990 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY012068.D

Acq: 04 Jan 2023 14:00

Instrument :

MSVOA_Y

ClientSampleId :

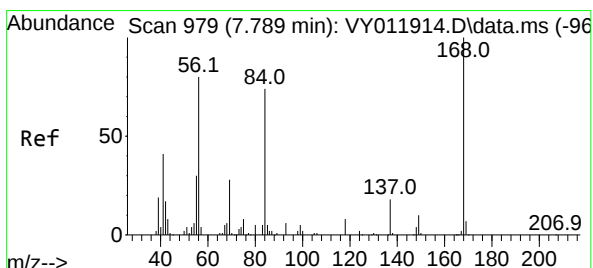
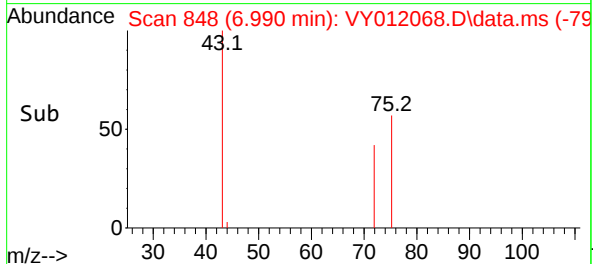
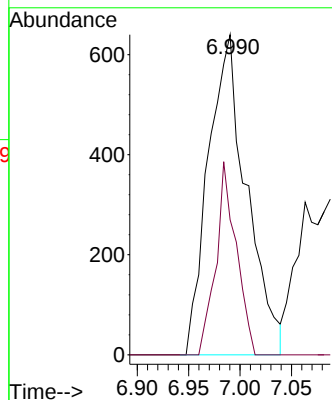
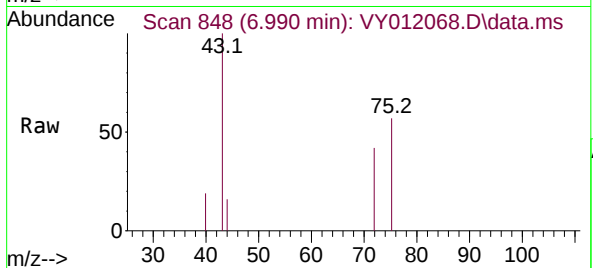
TP-4

Tgt Ion: 43 Resp: 1659

Ion Ratio Lower Upper

43 100

72 42.2 22.6 34.0#



#31

Cyclohexane

Concen: 1.147 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY012068.D

Acq: 04 Jan 2023 14:00

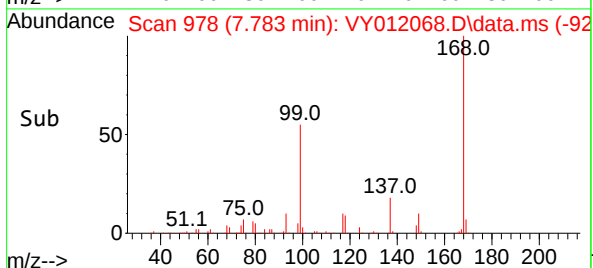
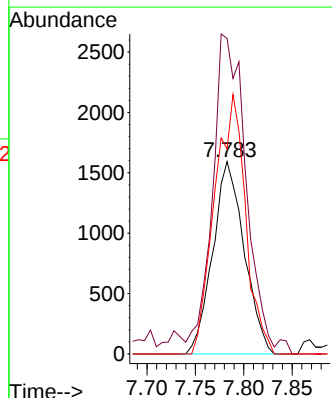
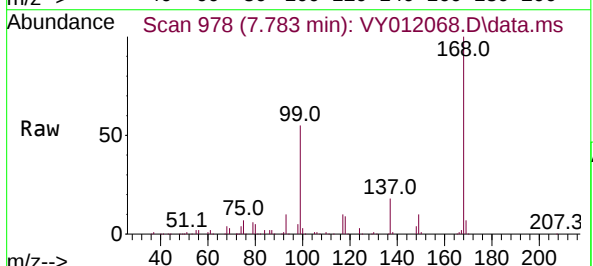
Tgt Ion: 56 Resp: 3601

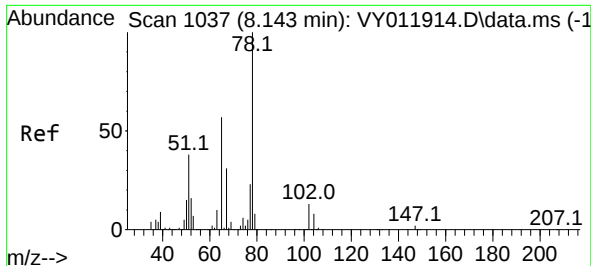
Ion Ratio Lower Upper

56 100

69 156.5 29.2 43.8#

84 106.6 72.6 108.8





#33

1,2-Dichloroethane-d4

Concen: 60.070 ug/l

RT: 8.136 min Scan# 112057

Delta R.T. -0.007 min

Lab File: VY012068.D

Acq: 04 Jan 2023 14:00

Instrument :

MSVOA_Y

ClientSampleId :

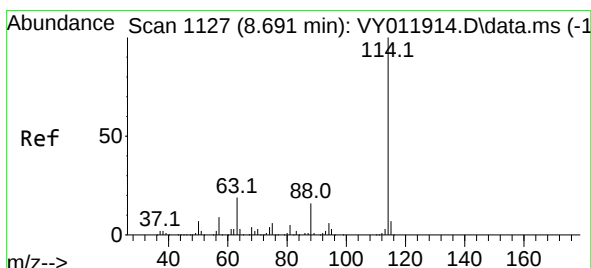
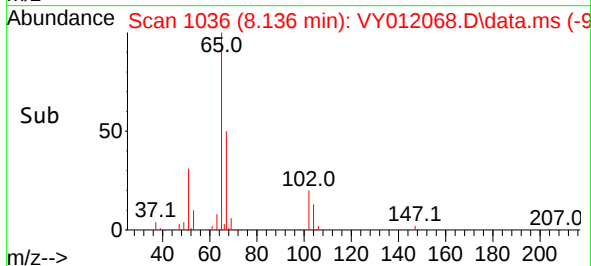
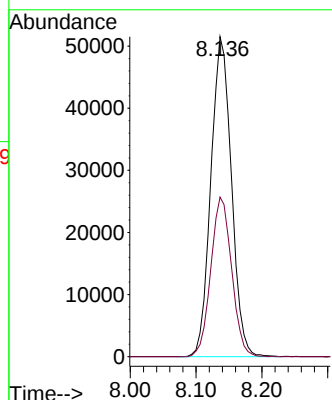
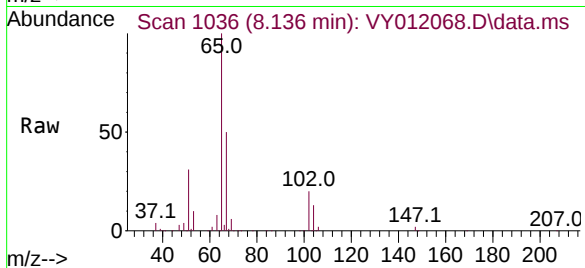
TP-4

Tgt Ion: 65 Resp: 112057

Ion Ratio Lower Upper

65 100

67 50.5 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: VY012068.D

Acq: 04 Jan 2023 14:00

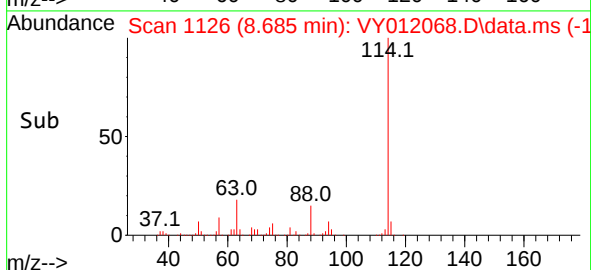
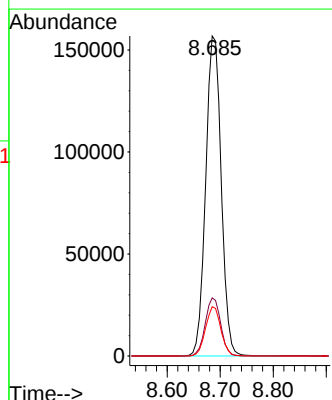
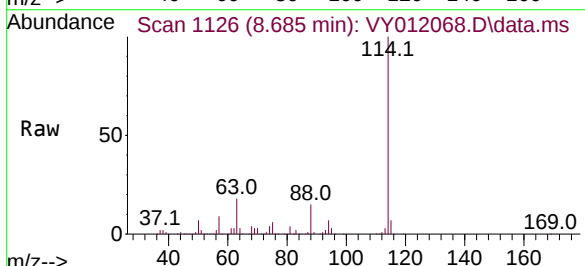
Tgt Ion: 114 Resp: 318677

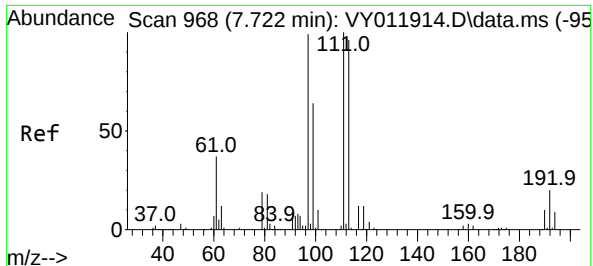
Ion Ratio Lower Upper

114 100

63 18.1 0.0 39.6

88 15.4 0.0 32.2





#35

Dibromofluoromethane

Concen: 51.456 ug/l

RT: 7.716 min Scan# 9

Delta R.T. -0.000 min

Lab File: VY012068.D

Acq: 04 Jan 2023 14:00

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

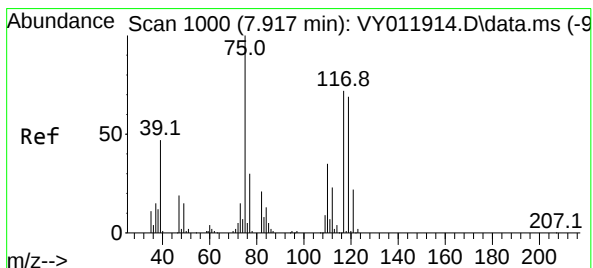
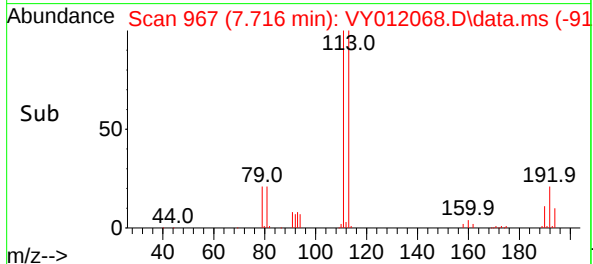
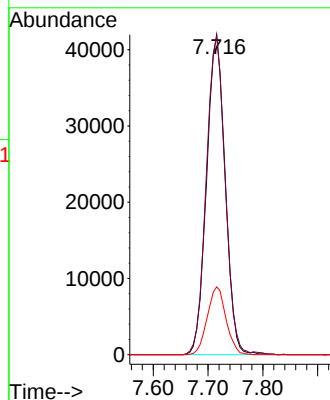
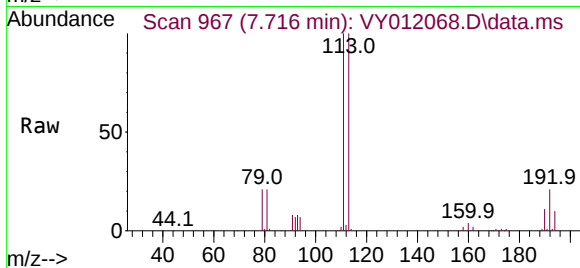
Tgt Ion:113 Resp: 98720

Ion Ratio Lower Upper

113 100

111 100.7 83.0 124.4

192 21.3 16.0 24.0



#36

1,1-Dichloropropene

Concen: 4.030 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.134 min

Lab File: VY012068.D

Acq: 04 Jan 2023 14:00

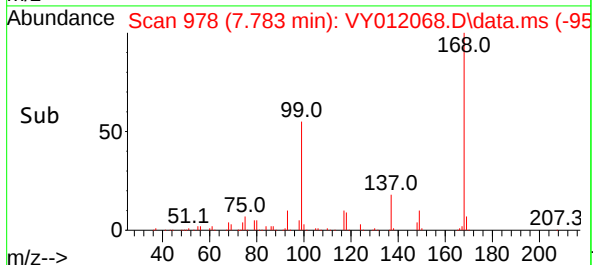
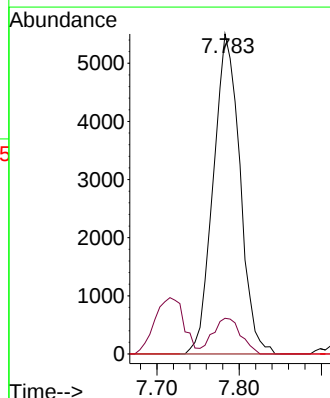
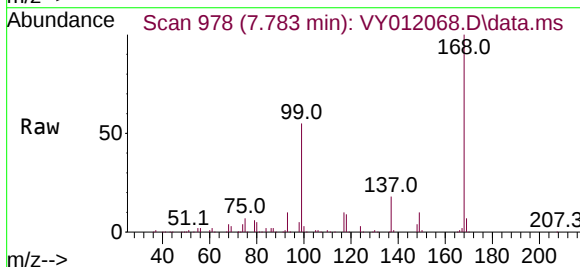
Tgt Ion: 75 Resp: 12402

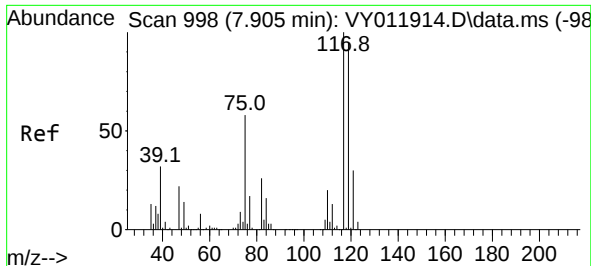
Ion Ratio Lower Upper

75 100

110 11.7 18.1 54.1#

77 0.0 25.1 37.7#

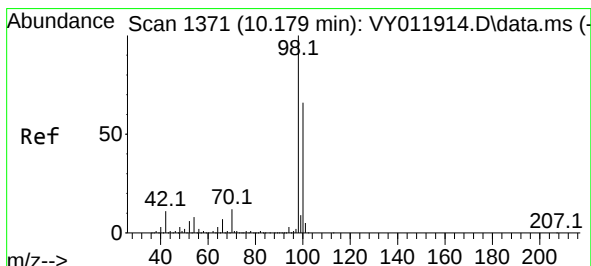
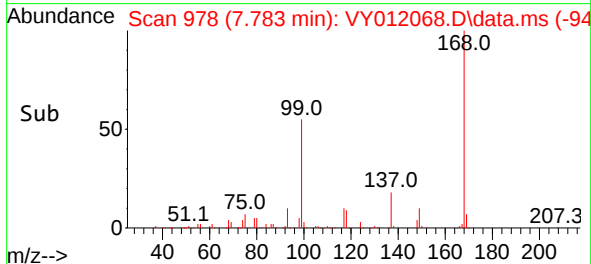
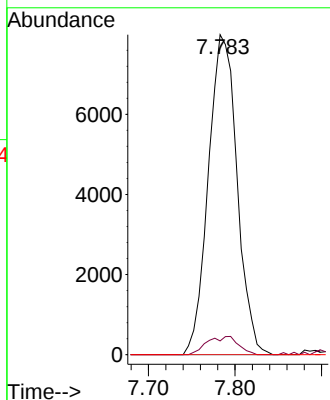
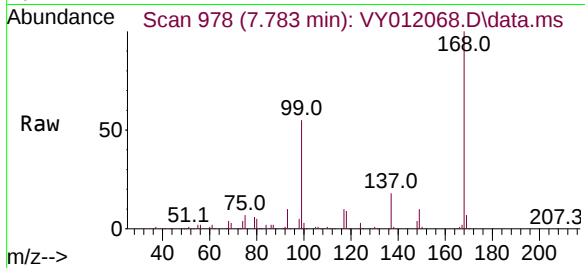




#38
Carbon Tetrachloride
Concen: 5.180 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY012068.D
Acq: 04 Jan 2023 14:00

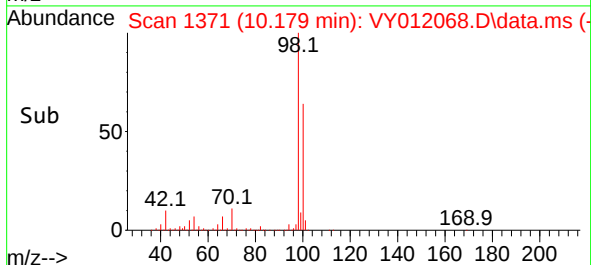
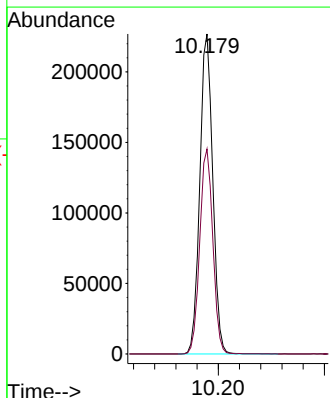
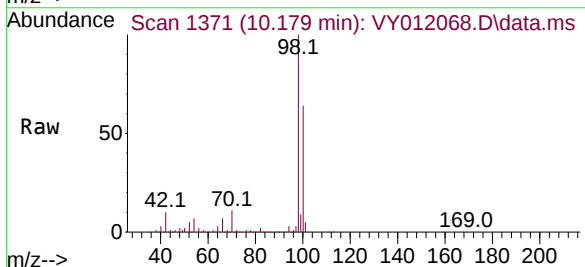
Instrument :
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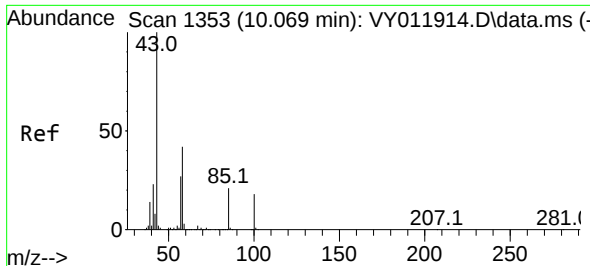
Tgt Ion:117 Resp: 18411
Ion Ratio Lower Upper
117 100
119 4.3 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 49.349 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012068.D
Acq: 04 Jan 2023 14:00

Tgt Ion: 98 Resp: 384130
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 1.015 ug/l

RT: 10.185 min Scan# 1353

Delta R.T. 0.116 min

Lab File: VY012068.D

Acq: 04 Jan 2023 14:00

Instrument :

MSVOA_Y

ClientSampleId :

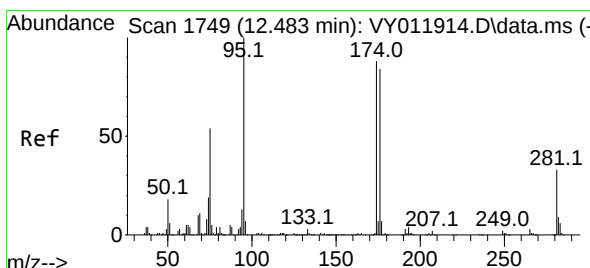
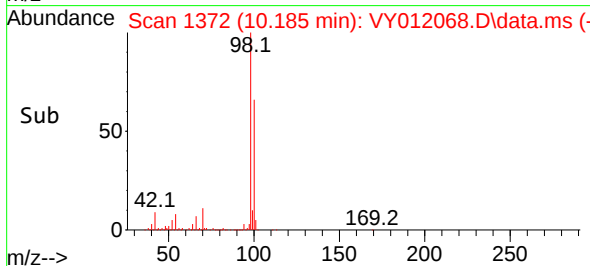
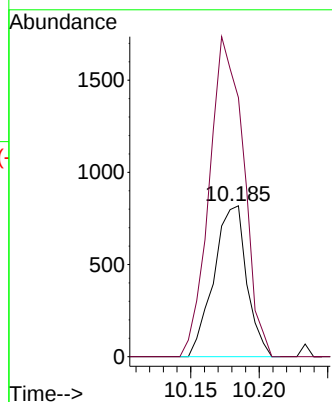
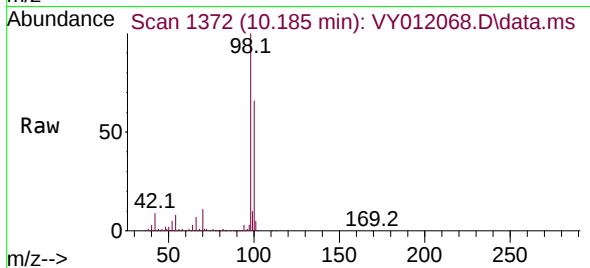
TP-4

Tgt Ion: 43 Resp: 1365

Ion Ratio Lower Upper

43 100

58 221.0 32.9 49.3#



#62

4-Bromofluorobenzene

Concen: 47.032 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY012068.D

Acq: 04 Jan 2023 14:00

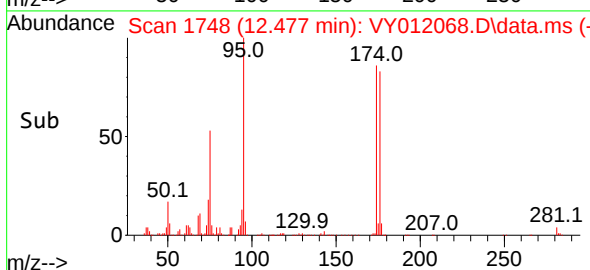
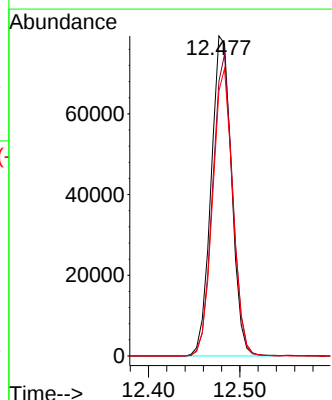
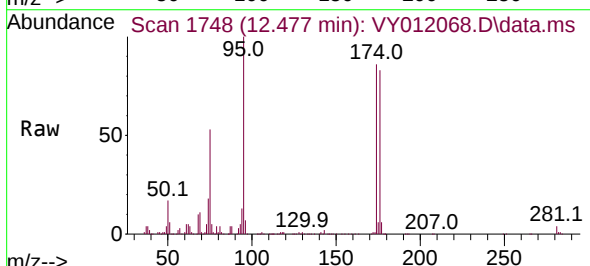
Tgt Ion: 95 Resp: 123125

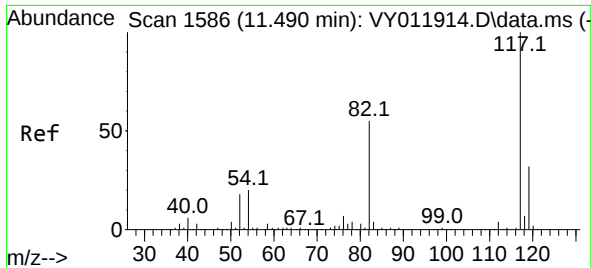
Ion Ratio Lower Upper

95 100

174 92.3 0.0 172.0

176 88.3 0.0 167.6

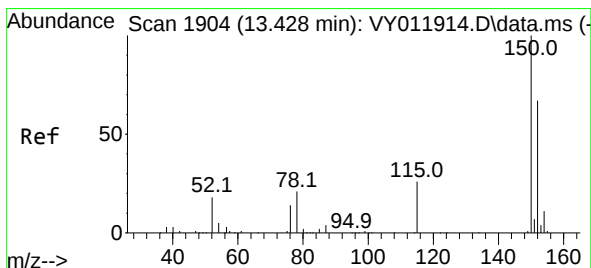
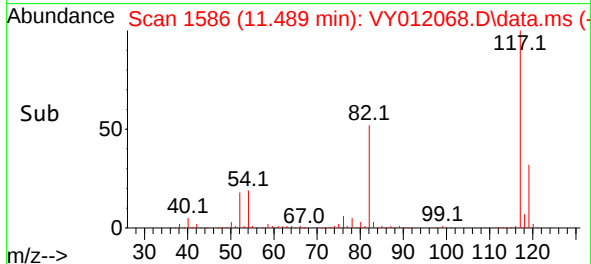
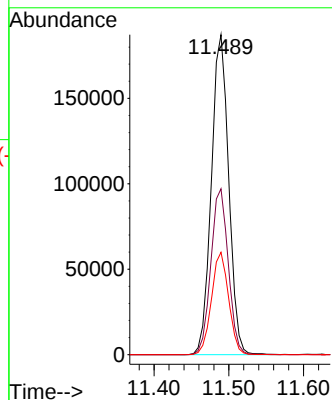
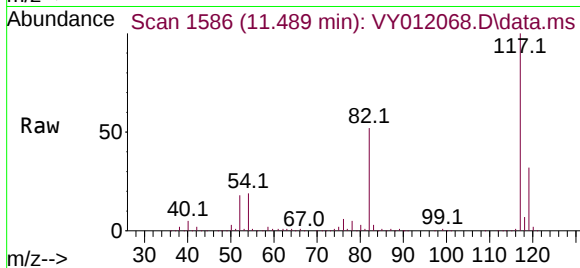




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012068.D
Acq: 04 Jan 2023 14:00

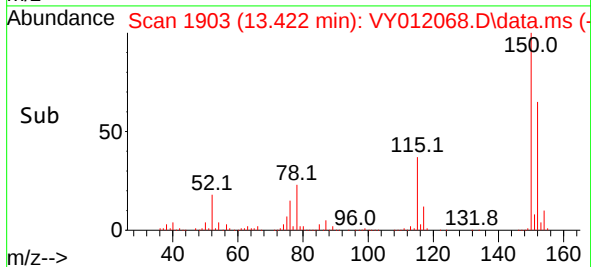
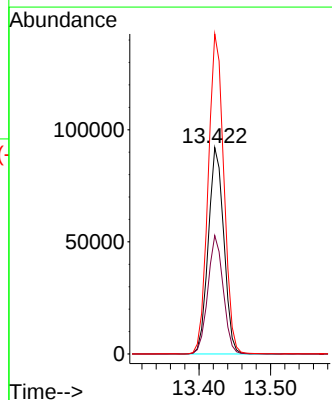
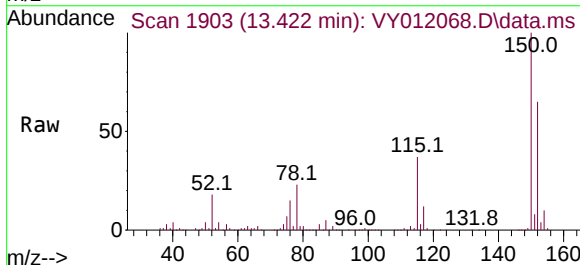
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

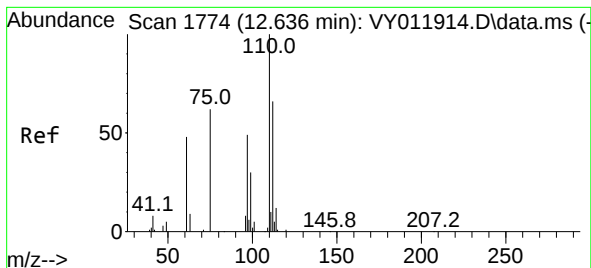
Tgt Ion:117 Resp: 301783
Ion Ratio Lower Upper
117 100
82 51.8 44.8 67.2
119 32.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY012068.D
Acq: 04 Jan 2023 14:00

Tgt Ion:152 Resp: 138583
Ion Ratio Lower Upper
152 100
115 56.8 29.1 87.3
150 156.7 0.0 342.6





#76

1,2,3-Trichloropropane

Concen: 37.484 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.159 min

Lab File: VY012068.D

Acq: 04 Jan 2023 14:00

Instrument :

MSVOA_Y

ClientSampleId :

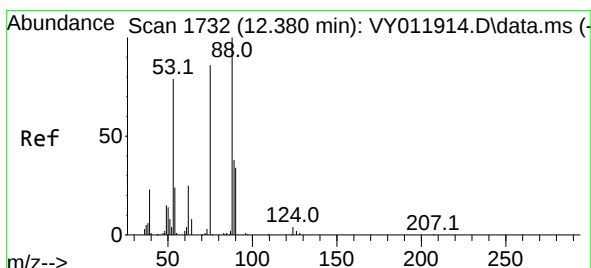
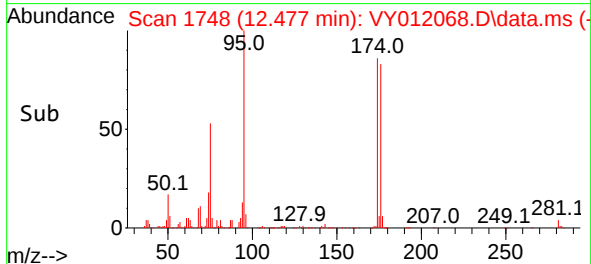
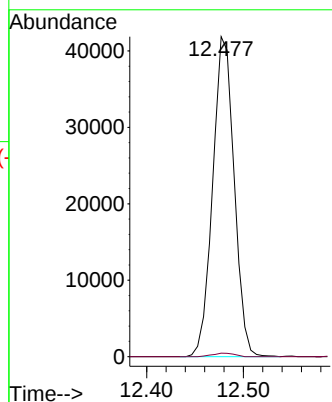
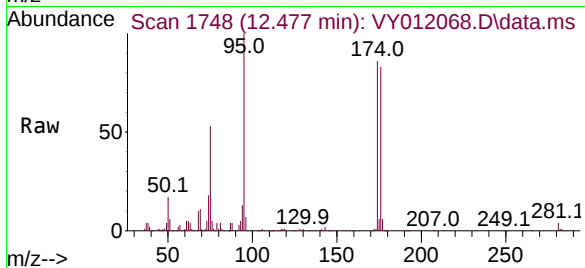
TP-4

Tgt Ion: 75 Resp: 64638

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 102.649 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.097 min

Lab File: VY012068.D

Acq: 04 Jan 2023 14:00

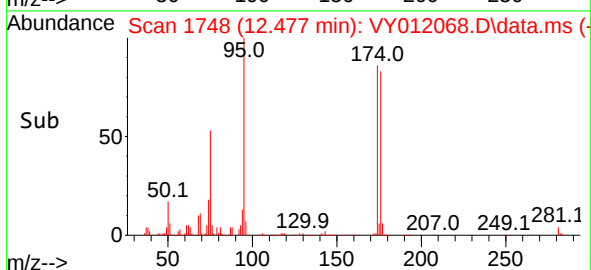
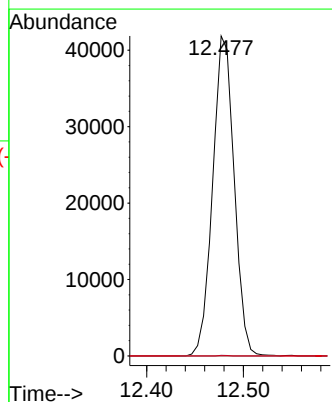
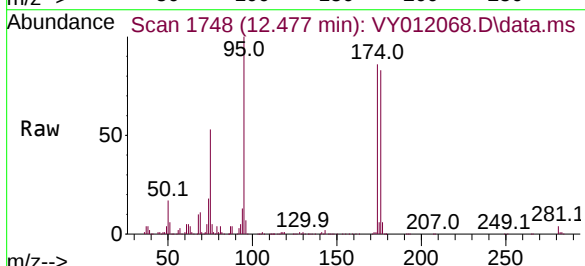
Tgt Ion: 75 Resp: 64638

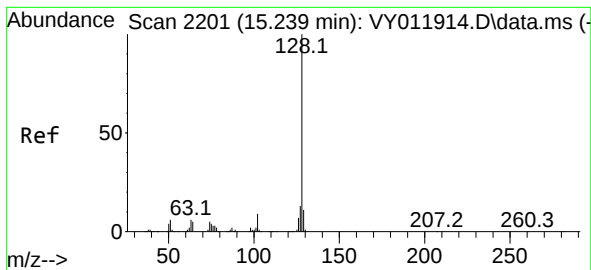
Ion Ratio Lower Upper

75 100

53 0.1 72.5 108.7#

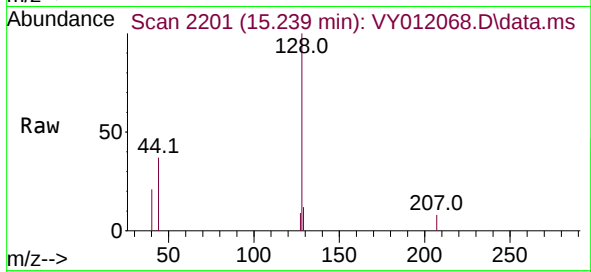
89 0.0 37.0 55.4#





#95
Naphthalene
Concen: 2.983 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY012068.D
Acq: 04 Jan 2023 14:00

Instrument :
MSVOA_Y
ClientSampleId :
TP-4



Tgt Ion:128 Resp: 1105
Ion Ratio Lower Upper
128 100
127 7.5 10.2 15.2#
129 5.0 8.8 13.2#

