

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082223\
 Data File : VY015257.D
 Acq On : 22 Aug 2023 20:11
 Operator : SY/MD
 Sample : 04109-05
 Misc : 5.78g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-04(6-7)

Quant Time: Aug 23 02:47:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

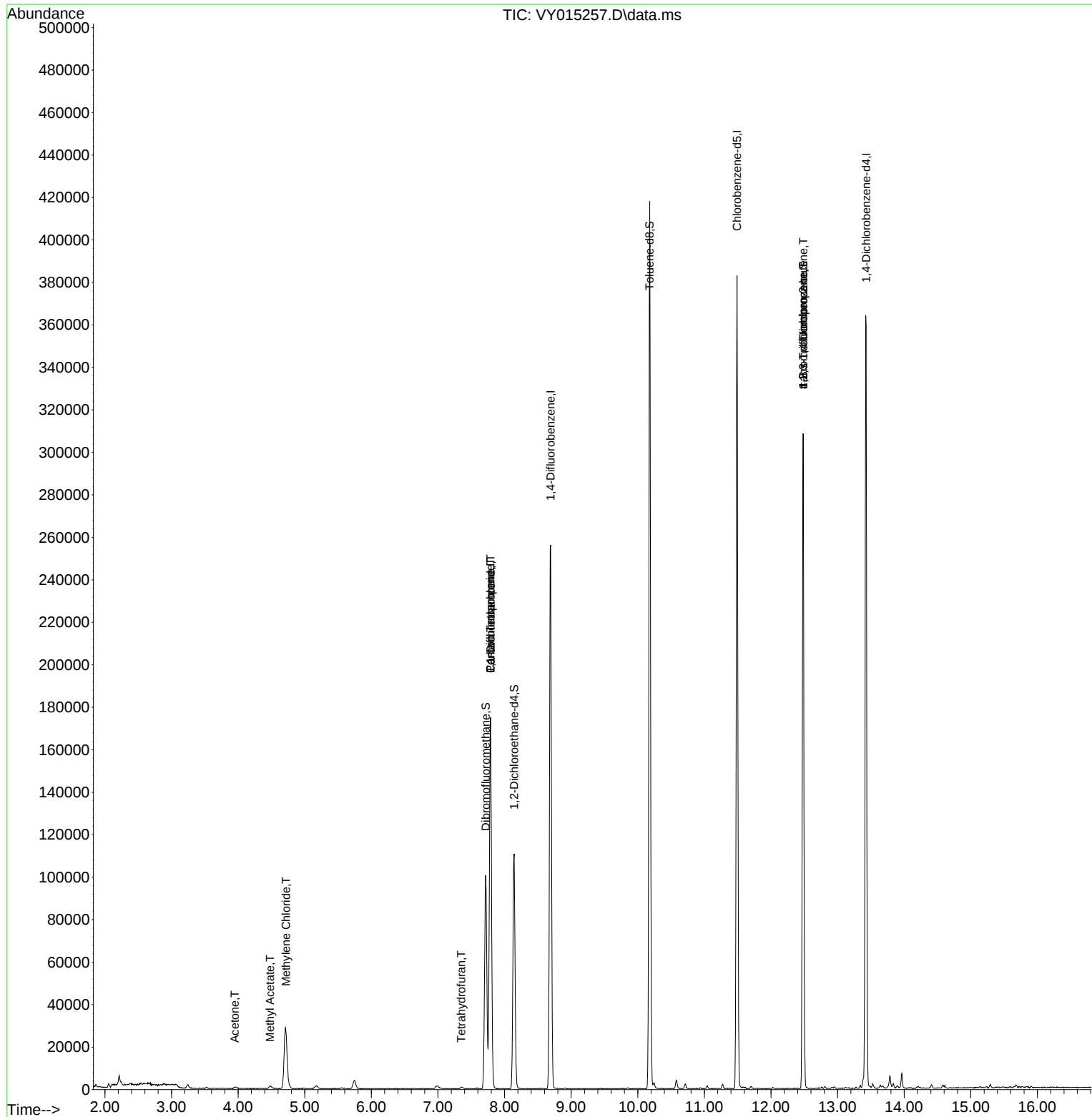
Internal Standards						
1) Pentafluorobenzene	7.789	168	134792	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	225139	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	200656	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	95215	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	87398	54.014	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.020%			
35) Dibromofluoromethane	7.716	113	69808	48.197	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.400%			
50) Toluene-d8	10.179	98	263455	48.862	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.720%			
62) 4-Bromofluorobenzene	12.483	95	86054	43.697	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 87.400%			
Target Compounds						
3) Chloromethane	2.107	50	332	Below Cal	#	83
5) Bromomethane	2.650	94	117	Below Cal	#	55
11) Tert butyl alcohol	4.966	59	98	Below Cal	#	89
16) Acetone	3.948	43	1702	3.220	ug/l	91
18) Methyl Acetate	4.479	43	2465	1.273	ug/l	# 80
20) Methylene Chloride	4.716	84	22131	14.385	ug/l	# 86
29) Tetrahydrofuran	7.350	42	578	1.292	ug/l	# 66
31) Cyclohexane	7.783	56	3081	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	10324	6.443	ug/l	# 50
38) Carbon Tetrachloride	7.789	117	13417	7.075	ug/l	# 15
76) 1,2,3-Trichloropropane	12.483	75	47145	40.755	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	47145	89.518	ug/l	# 11

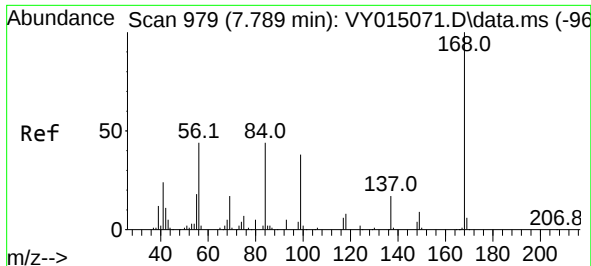
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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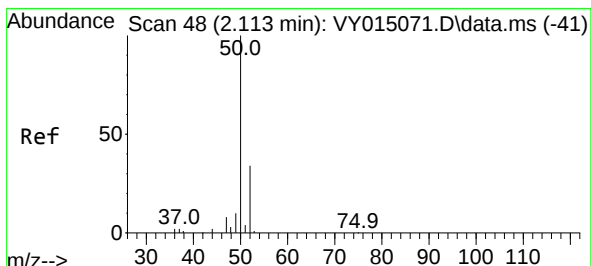
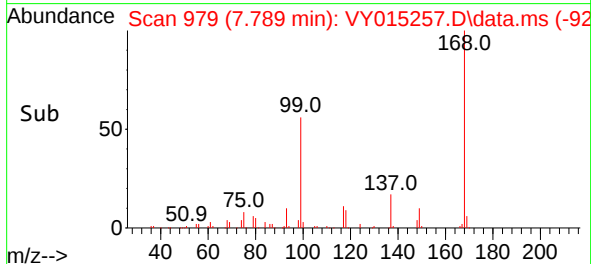
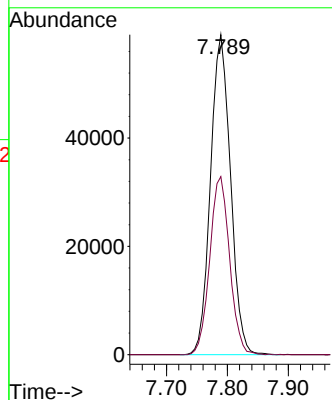
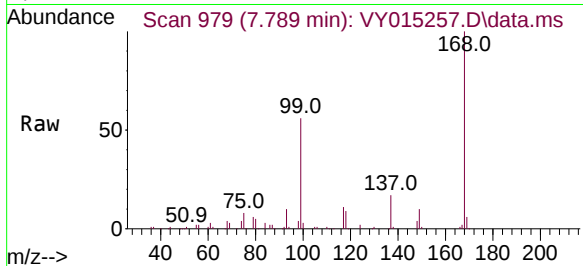




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015257.D
Acq: 22 Aug 2023 20:11

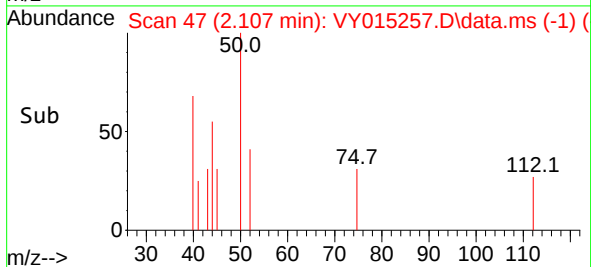
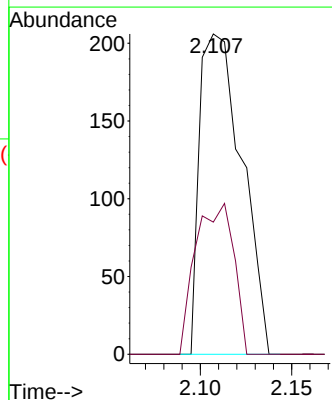
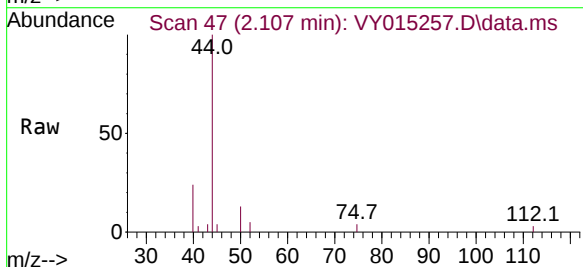
Instrument :
MSVOA_Y
ClientSampleId :
TP-04(6-7)

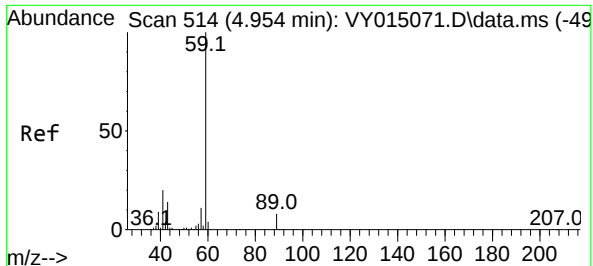
Tgt Ion:168 Resp: 134792
Ion Ratio Lower Upper
168 100
99 55.6 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY015257.D
Acq: 22 Aug 2023 20:11

Tgt Ion: 50 Resp: 332
Ion Ratio Lower Upper
50 100
52 41.3 25.4 38.2#

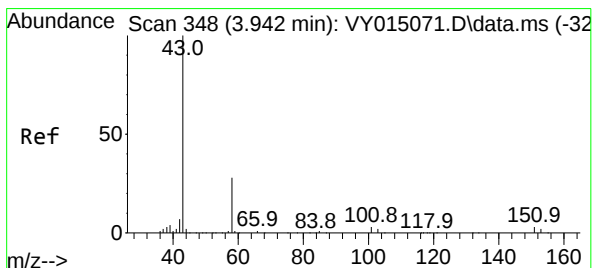
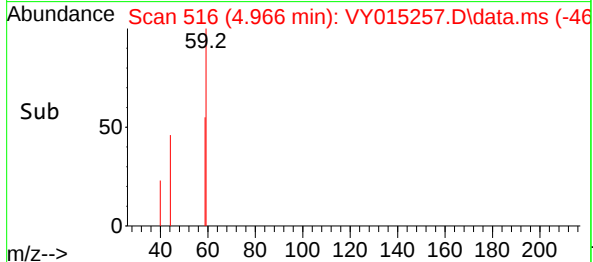
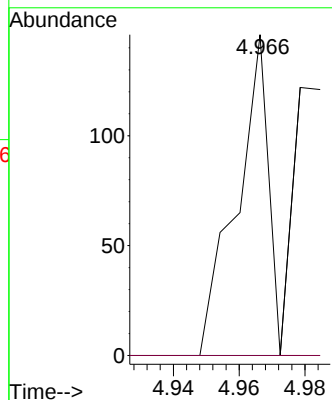
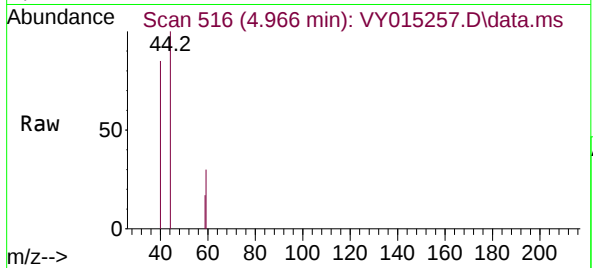




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.966 min Scan# 514
Delta R.T. 0.018 min
Lab File: VY015257.D
Acq: 22 Aug 2023 20:11

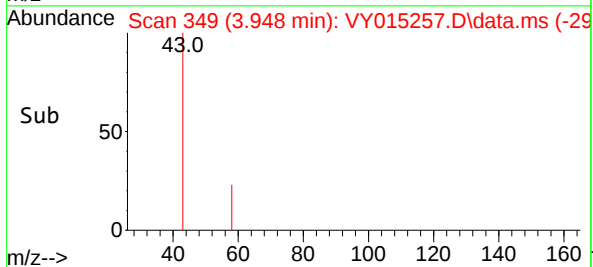
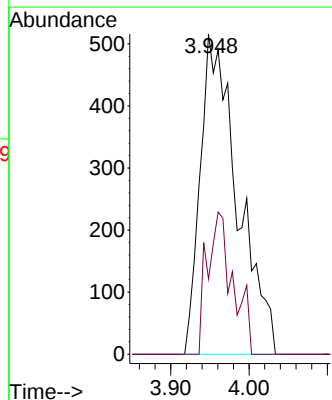
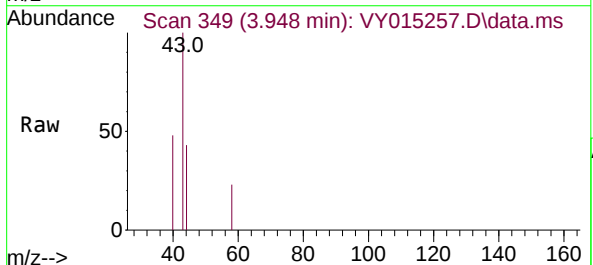
Instrument :
MSVOA_Y
ClientSampleId :
TP-04(6-7)

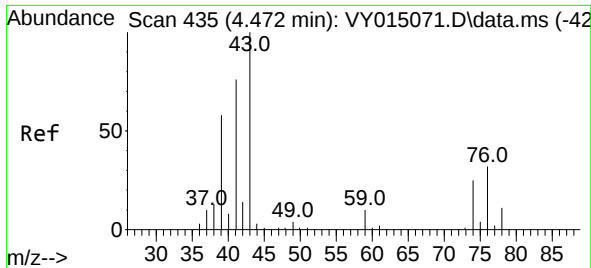
Tgt Ion: 59 Resp: 98
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 3.220 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY015257.D
Acq: 22 Aug 2023 20:11

Tgt Ion: 43 Resp: 1702
Ion Ratio Lower Upper
43 100
58 23.4 22.7 34.1





#18

Methyl Acetate

Concen: 1.273 ug/l

RT: 4.479 min Scan# 41

Delta R.T. 0.013 min

Lab File: VY015257.D

Acq: 22 Aug 2023 20:11

Instrument :

MSVOA_Y

ClientSampleId :

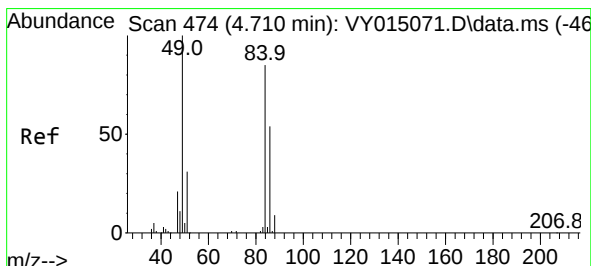
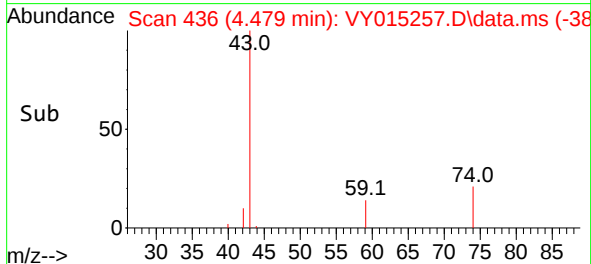
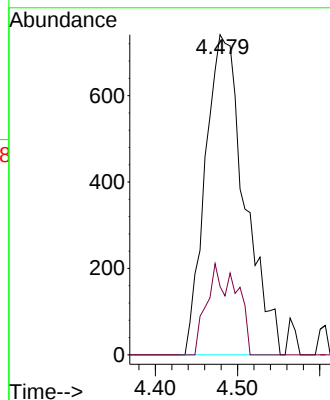
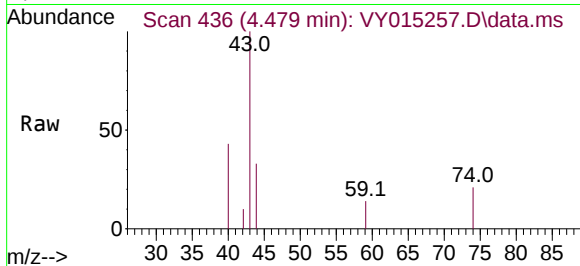
TP-04(6-7)

Tgt Ion: 43 Resp: 2465

Ion Ratio Lower Upper

43 100

74 12.4 17.4 26.0#



#20

Methylene Chloride

Concen: 14.385 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.006 min

Lab File: VY015257.D

Acq: 22 Aug 2023 20:11

Tgt Ion: 84 Resp: 22131

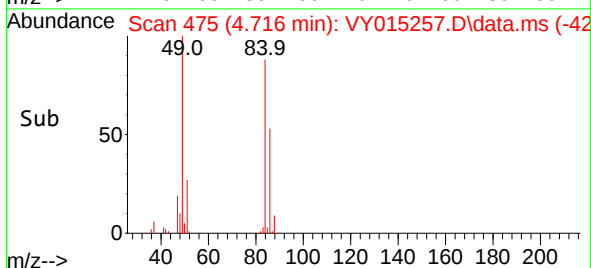
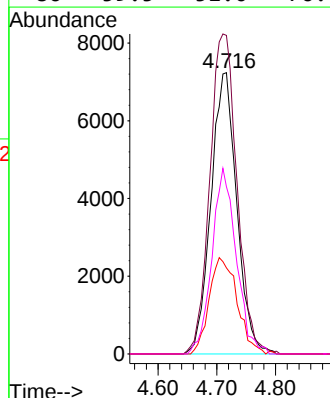
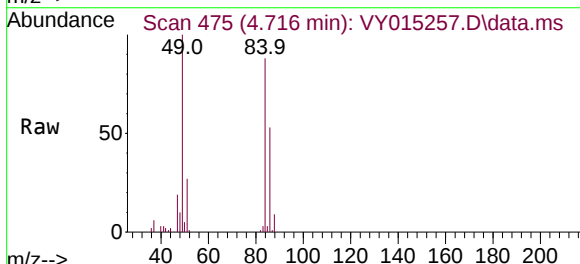
Ion Ratio Lower Upper

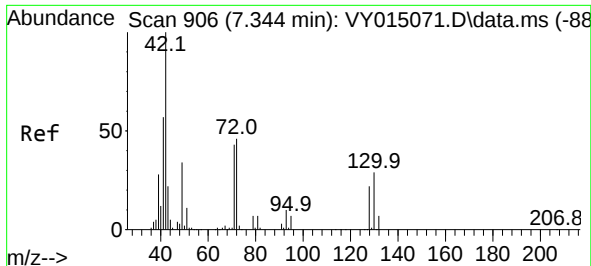
84 100

49 113.3 106.9 160.3

51 30.6 33.2 49.8#

86 59.5 51.0 76.6





#29

Tetrahydrofuran

Concen: 1.292 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY015257.D

Acq: 22 Aug 2023 20:11

Instrument :

MSVOA_Y

ClientSampleId :

TP-04(6-7)

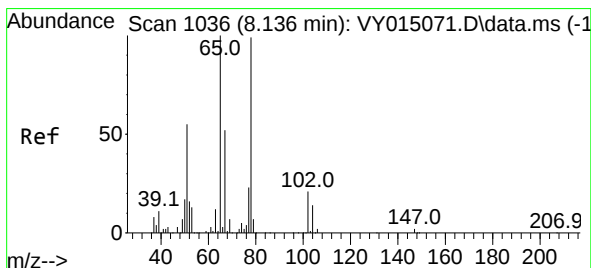
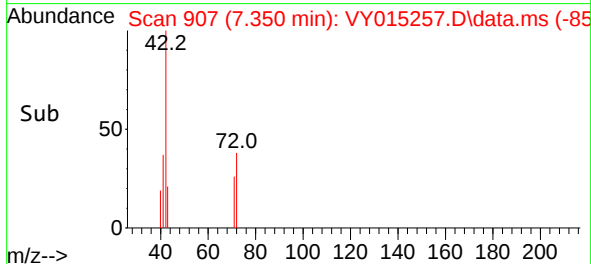
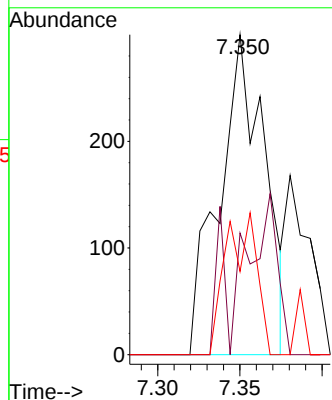
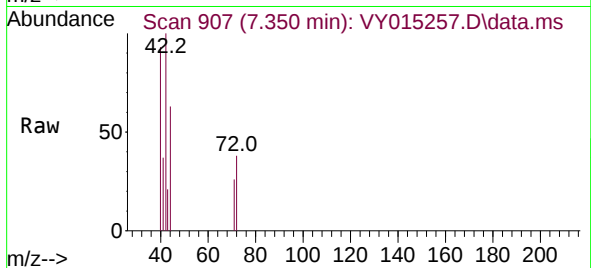
Tgt Ion: 42 Resp: 578

Ion Ratio Lower Upper

42 100

72 8.8 32.8 49.2#

71 29.8 31.0 46.4#



#33

1,2-Dichloroethane-d4

Concen: 54.014 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VY015257.D

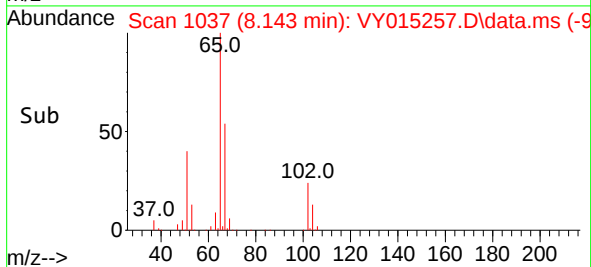
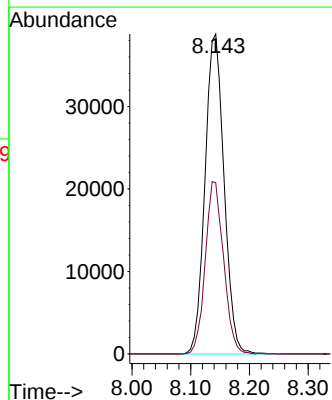
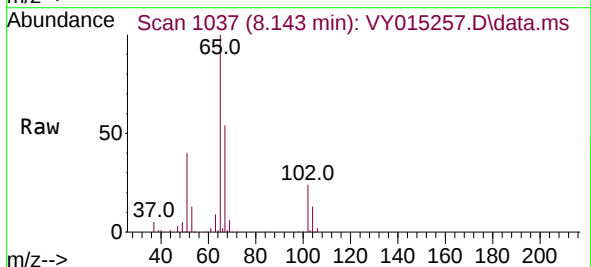
Acq: 22 Aug 2023 20:11

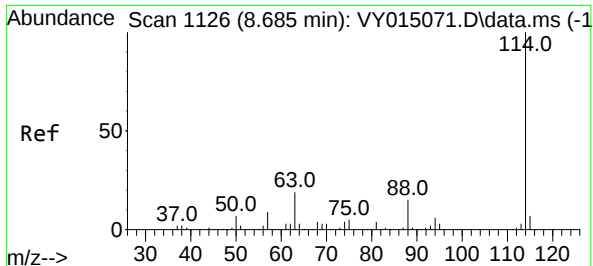
Tgt Ion: 65 Resp: 87398

Ion Ratio Lower Upper

65 100

67 51.8 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY015257.D

Acq: 22 Aug 2023 20:11

Instrument :

MSVOA_Y

ClientSampleId :

TP-04(6-7)

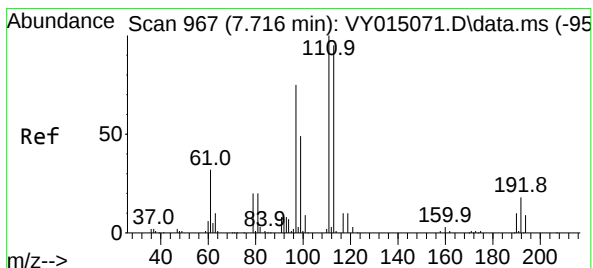
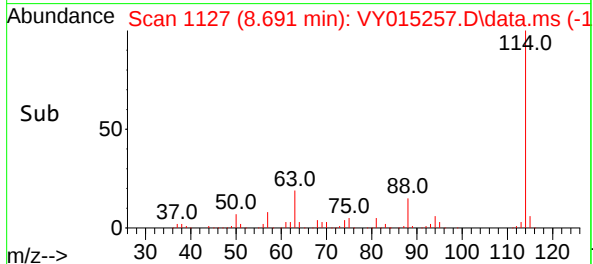
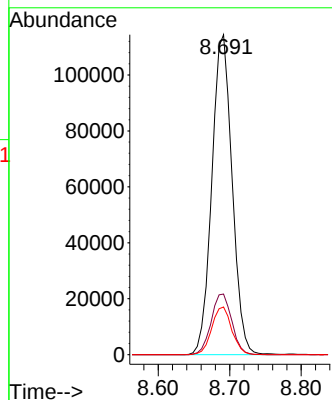
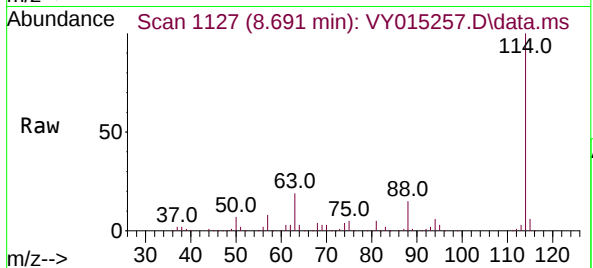
Tgt Ion:114 Resp: 225139

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 14.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.197 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY015257.D

Acq: 22 Aug 2023 20:11

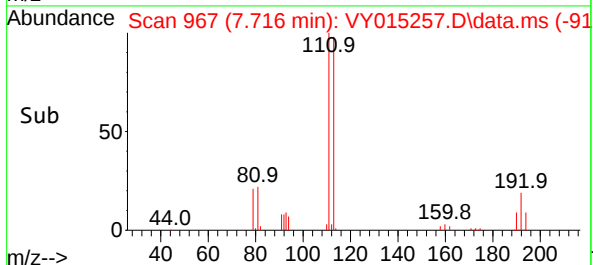
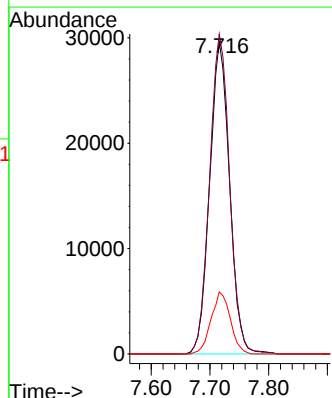
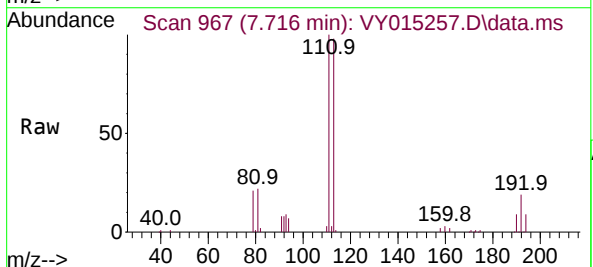
Tgt Ion:113 Resp: 69808

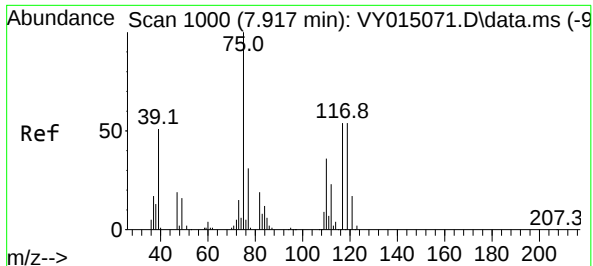
Ion Ratio Lower Upper

113 100

111 103.1 81.3 121.9

192 19.2 16.9 25.3





#36

1,1-Dichloropropene

Concen: 6.443 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY015257.D

Acq: 22 Aug 2023 20:11

Instrument :

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ClientSampleId :

TP-04(6-7)

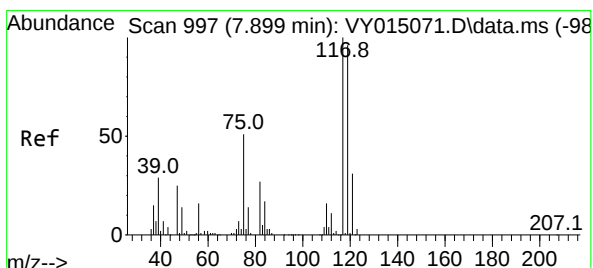
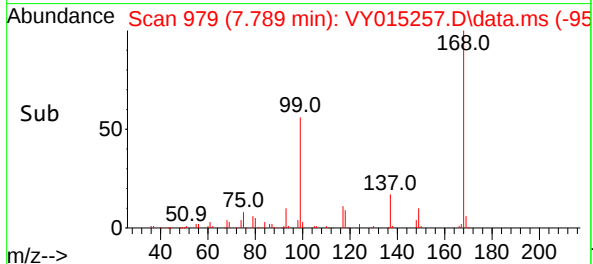
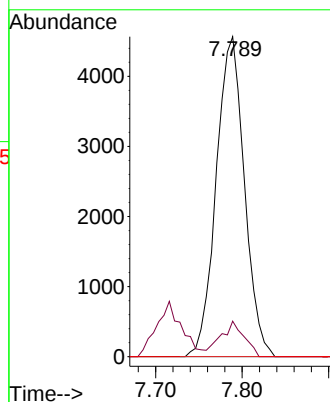
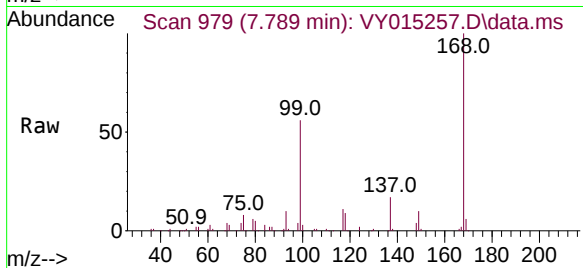
Tgt Ion: 75 Resp: 10324

Ion Ratio Lower Upper

75 100

110 9.2 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 7.075 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY015257.D

Acq: 22 Aug 2023 20:11

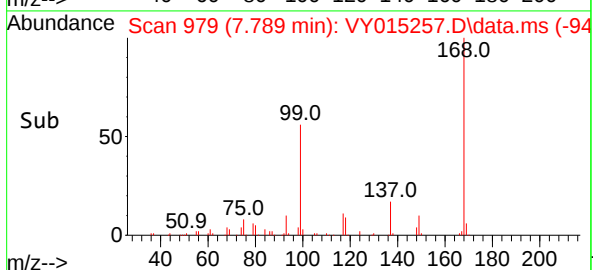
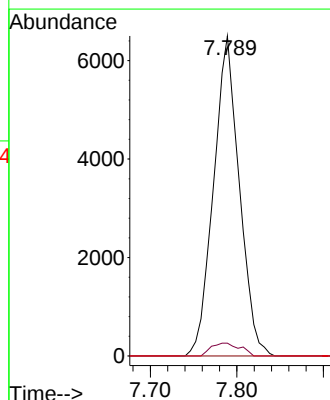
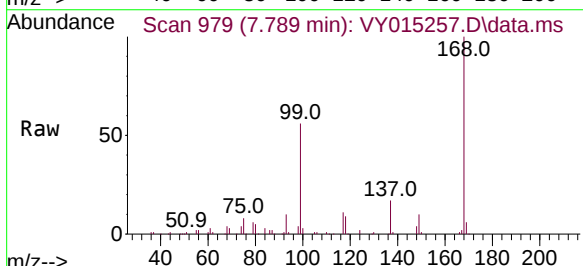
Tgt Ion: 117 Resp: 13417

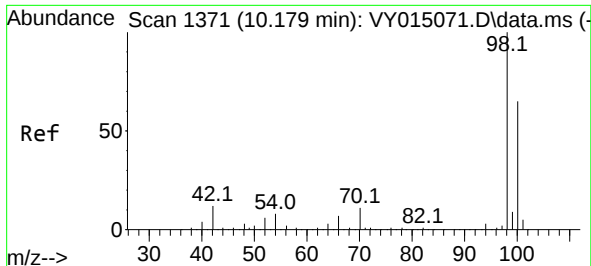
Ion Ratio Lower Upper

117 100

119 4.0 76.4 114.6#

121 0.0 25.8 38.6#

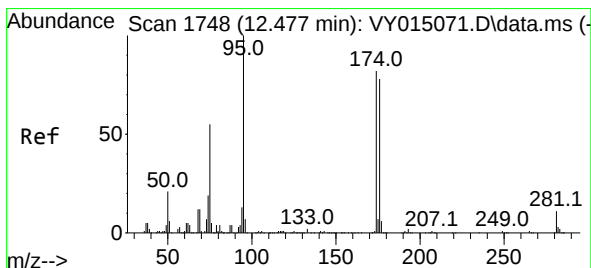
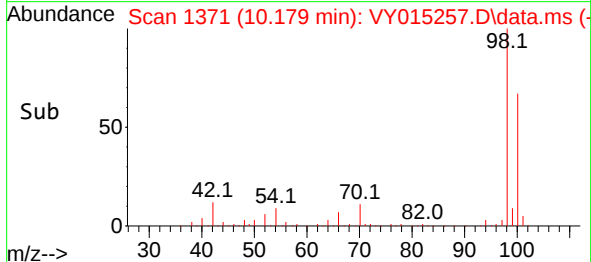
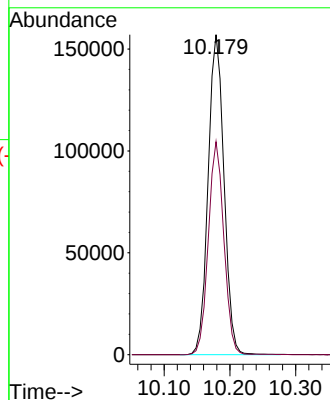
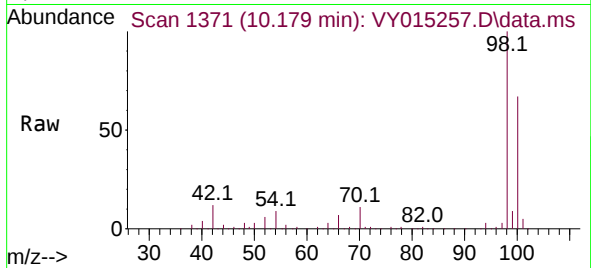




#50
Toluene-d8
Concen: 48.862 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015257.D
Acq: 22 Aug 2023 20:11

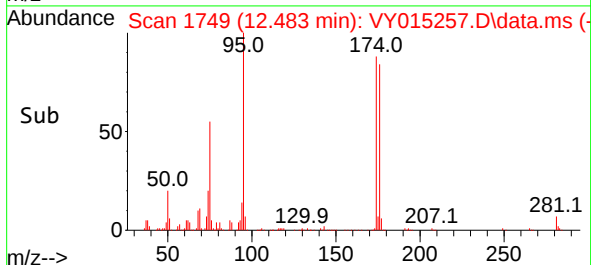
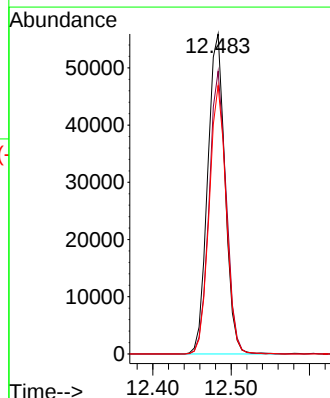
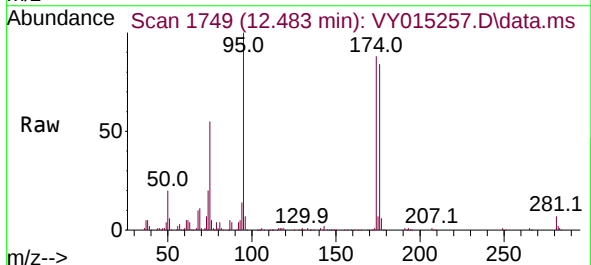
Instrument :
MSVOA_Y
ClientSampleId :
TP-04(6-7)

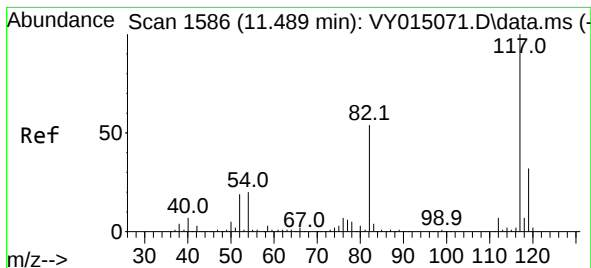
Tgt Ion: 98 Resp: 263455
Ion Ratio Lower Upper
98 100
100 65.2 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 43.697 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015257.D
Acq: 22 Aug 2023 20:11

Tgt Ion: 95 Resp: 86054
Ion Ratio Lower Upper
95 100
174 87.2 0.0 178.2
176 82.3 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015257.D

Acq: 22 Aug 2023 20:11

Instrument :

MSVOA_Y

ClientSampleId :

TP-04(6-7)

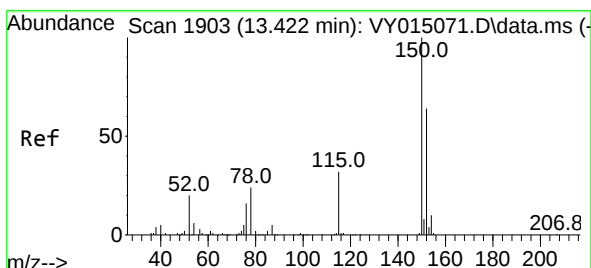
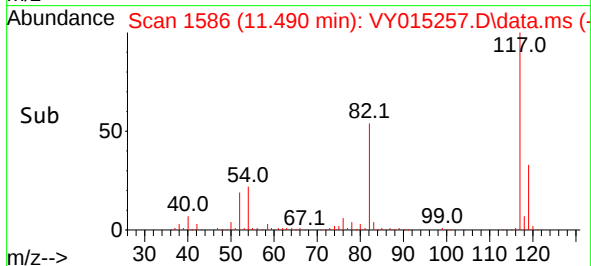
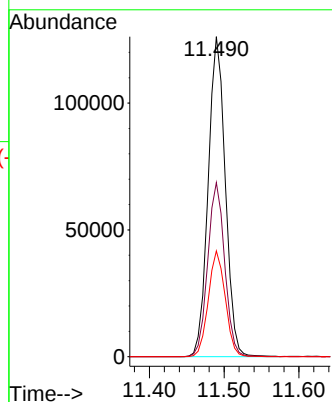
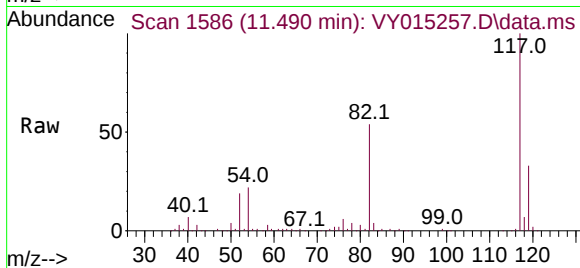
Tgt Ion:117 Resp: 200656

Ion Ratio Lower Upper

117 100

82 54.4 43.4 65.0

119 33.1 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY015257.D

Acq: 22 Aug 2023 20:11

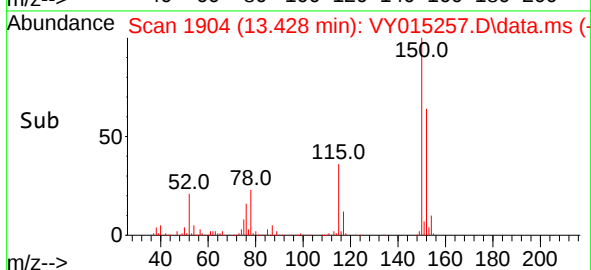
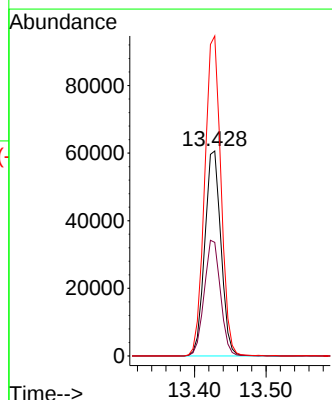
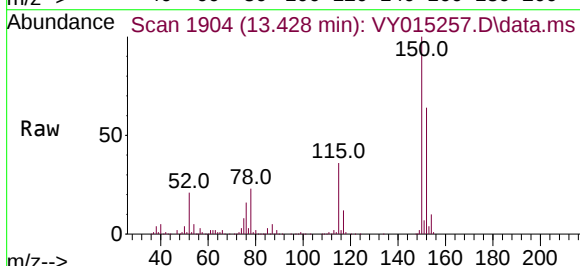
Tgt Ion:152 Resp: 95215

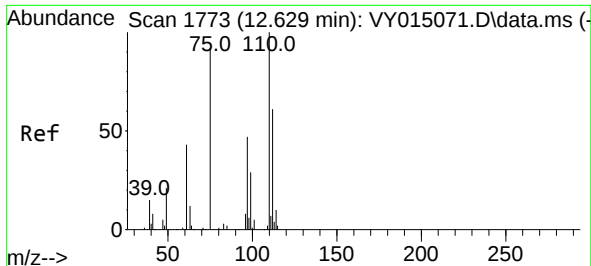
Ion Ratio Lower Upper

152 100

115 56.7 28.8 86.5

150 156.9 0.0 348.8

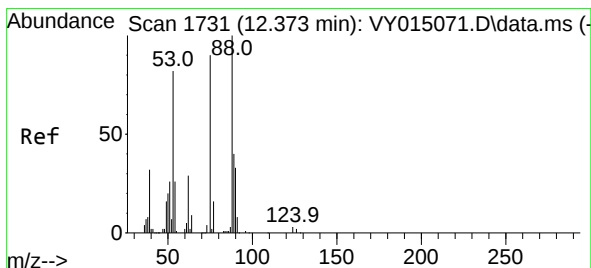
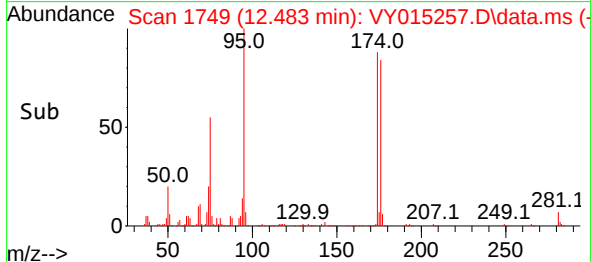
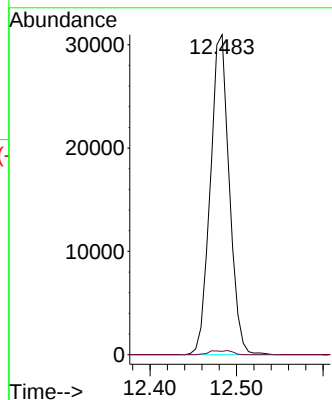
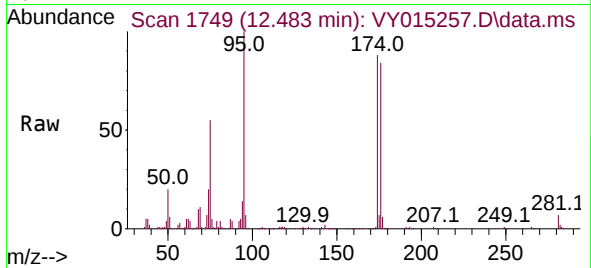




#76
1,2,3-Trichloropropane
Concen: 40.755 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY015257.D
Acq: 22 Aug 2023 20:11

Instrument :
MSVOA_Y
ClientSampleId :
TP-04(6-7)

Tgt Ion: 75 Resp: 47145
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.518 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY015257.D
Acq: 22 Aug 2023 20:11

Tgt Ion: 75 Resp: 47145
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

