

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081423\
 Data File : VY015087.D
 Acq On : 14 Aug 2023 18:22
 Operator : SY/MD
 Sample : 03989-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-PP25

Quant Time: Aug 15 02:23:38 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)

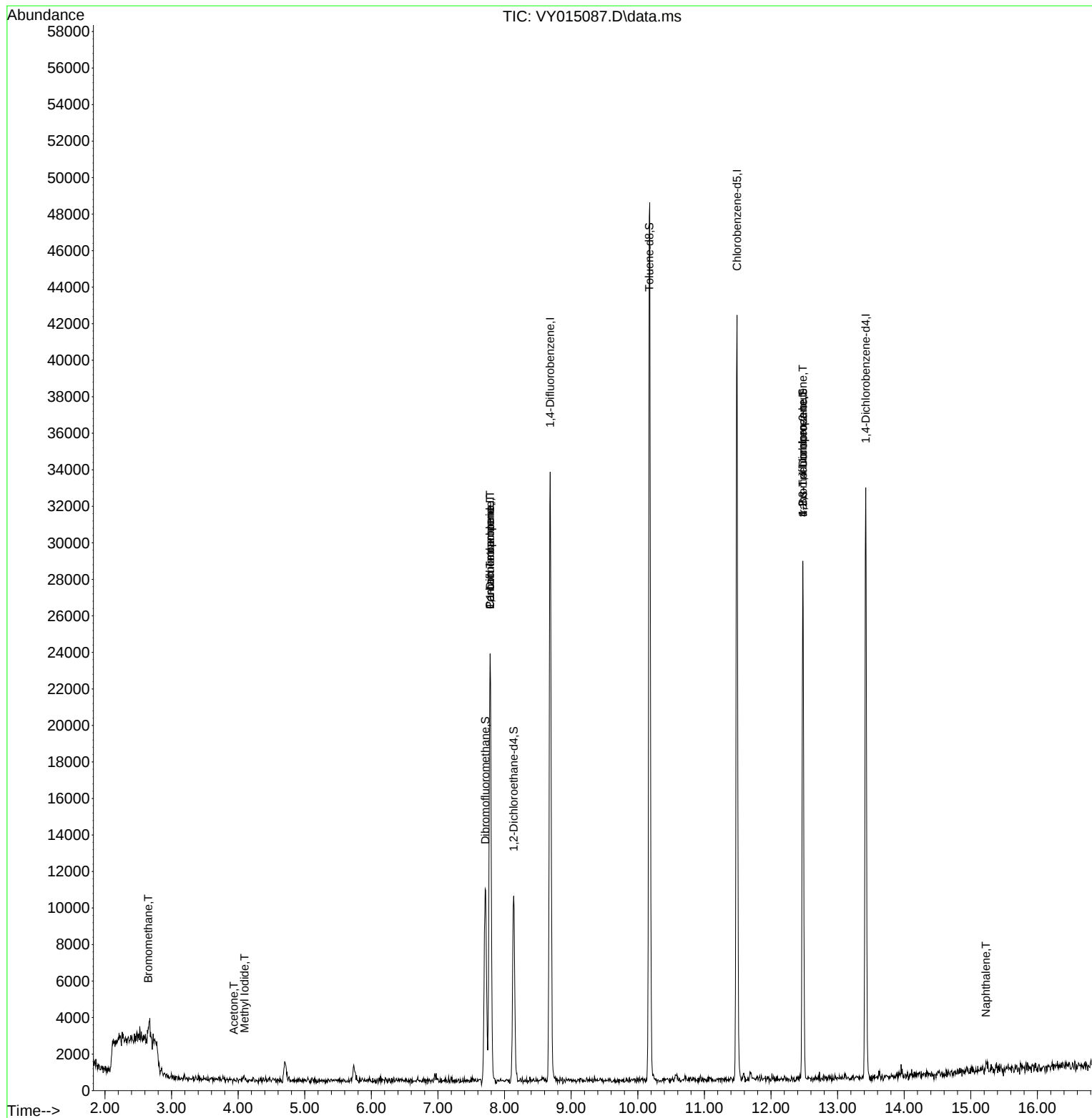
Internal Standards						
1) Pentafluorobenzene	7.783	168	18630	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	29395	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	23143	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	8691	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	8091	36.179	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	72.360%		
35) Dibromofluoromethane	7.710	113	7827	41.389	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	82.780%		
50) Toluene-d8	10.173	98	33128	47.059	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.120%		
62) 4-Bromofluorobenzene	12.477	95	9156	35.609	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	71.220%		
Target Compounds						
3) Chloromethane	2.107	50	203	Below Cal	#	58
5) Bromomethane	2.650	94	657	4.766	ug/l	96
10) Methyl Iodide	4.095	142	210	1.378	ug/l #	74
16) Acetone	3.936	43	123	1.684	ug/l #	46
20) Methylene Chloride	4.710	84	751	Below Cal	#	86
31) Cyclohexane	7.777	56	223	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	1472	7.036	ug/l #	41
38) Carbon Tetrachloride	7.783	117	1831	7.395	ug/l #	12
76) 1,2,3-Trichloropropane	12.477	75	4770	45.175	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	4770	99.226	ug/l #	10
95) Naphthalene	15.227	128	996	2.467	ug/l #	84

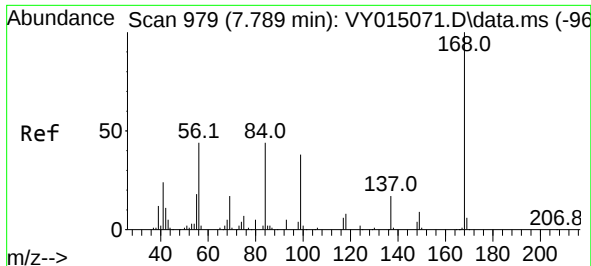
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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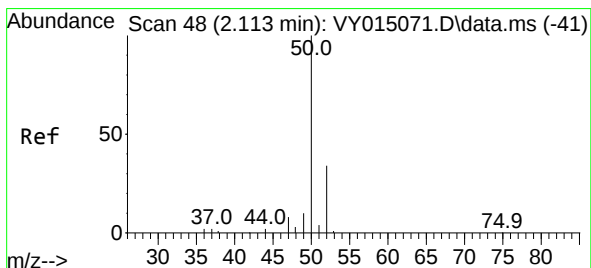
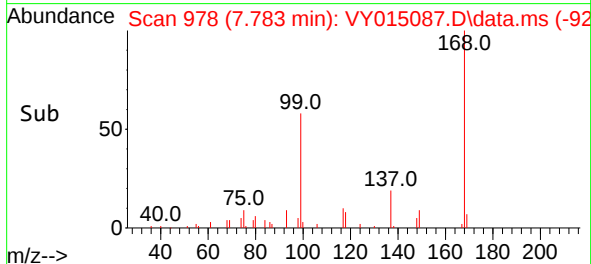
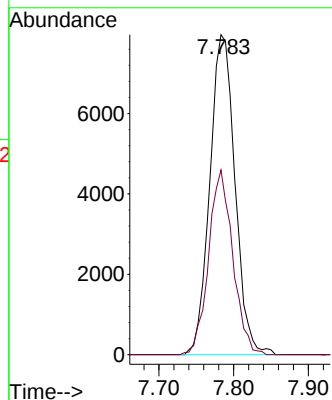
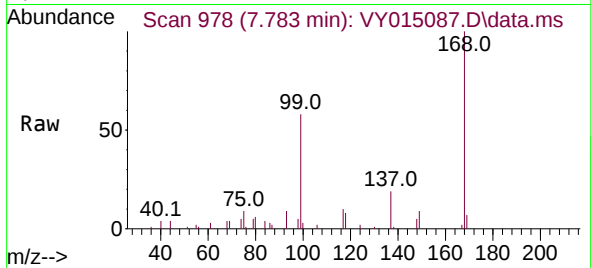




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015087.D
Acq: 14 Aug 2023 18:22

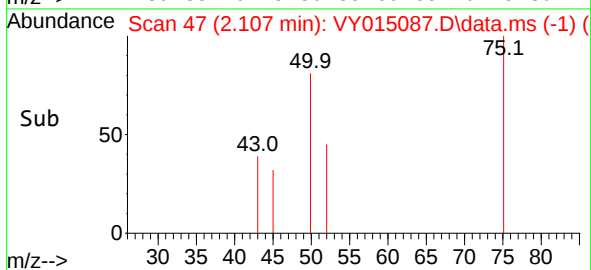
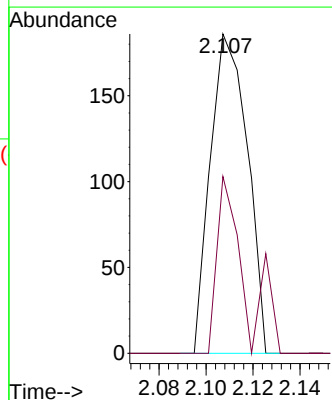
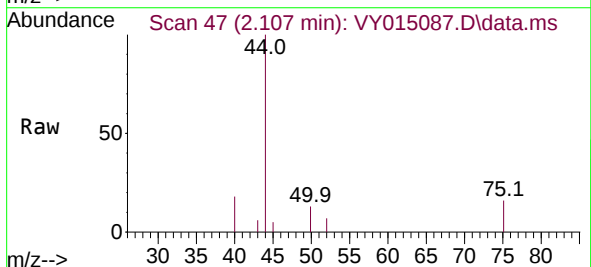
Instrument :
MSVOA_Y
ClientSampleId :
B-PP25

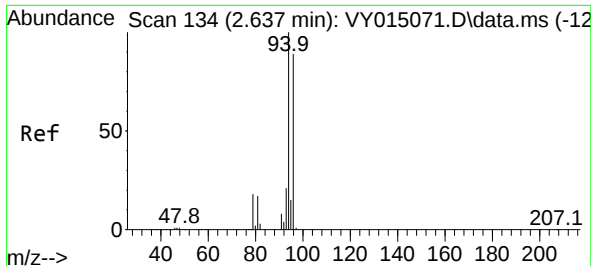
Tgt Ion:168 Resp: 18630
Ion Ratio Lower Upper
168 100
99 57.7 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY015087.D
Acq: 14 Aug 2023 18:22

Tgt Ion: 50 Resp: 203
Ion Ratio Lower Upper
50 100
52 55.4 25.4 38.2#

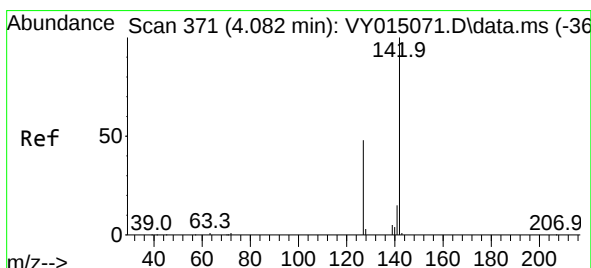
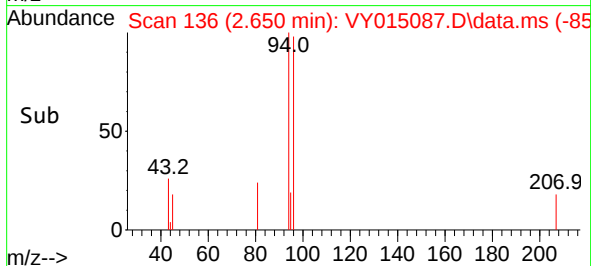
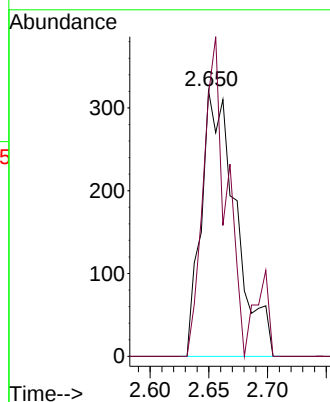
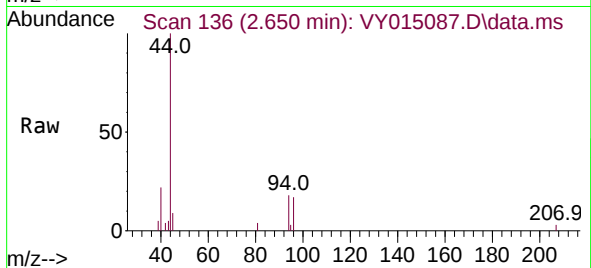




#5
Bromomethane
Concen: 4.766 ug/l
RT: 2.650 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY015087.D
Acq: 14 Aug 2023 18:22

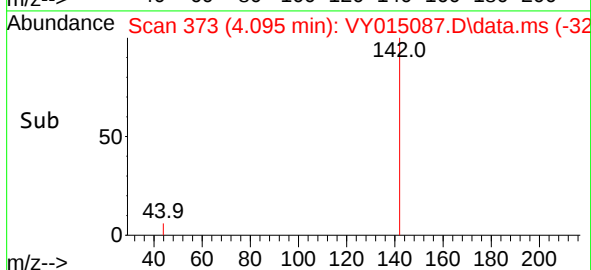
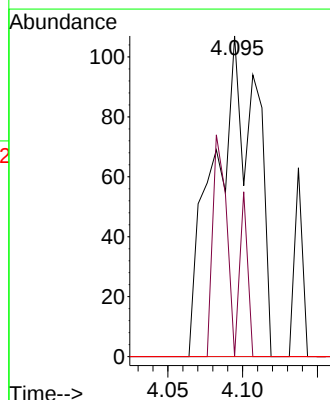
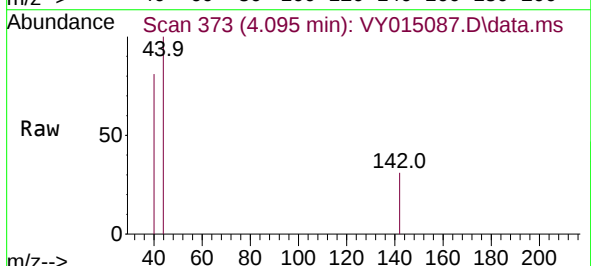
Instrument :
MSVOA_Y
ClientSampleId :
B-PP25

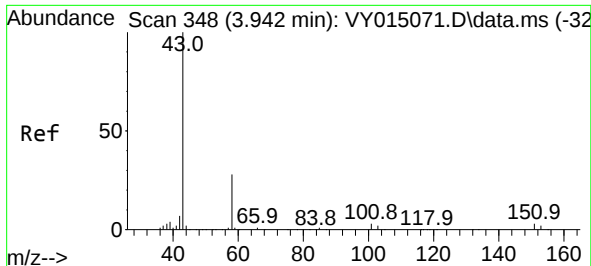
Tgt Ion: 94 Resp: 657
Ion Ratio Lower Upper
94 100
96 98.4 75.8 113.6



#10
Methyl Iodide
Concen: 1.378 ug/l
RT: 4.095 min Scan# 373
Delta R.T. 0.012 min
Lab File: VY015087.D
Acq: 14 Aug 2023 18:22

Tgt Ion: 142 Resp: 210
Ion Ratio Lower Upper
142 100
127 31.9 37.6 56.4#
141 0.0 11.8 17.8#





#16

Acetone

Concen: 1.684 ug/l

RT: 3.936 min Scan# 34

Delta R.T. -0.006 min

Lab File: VY015087.D

Acq: 14 Aug 2023 18:22

Instrument :

MSVOA_Y

ClientSampleId :

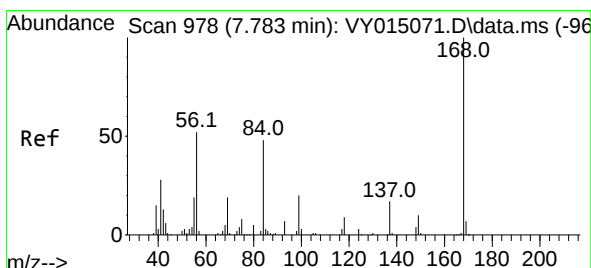
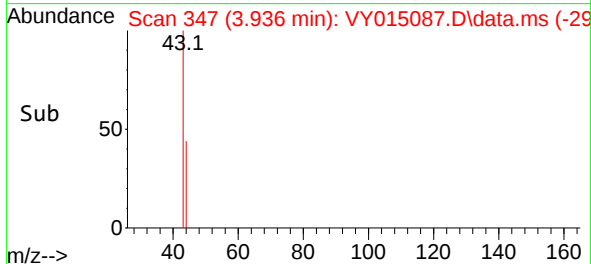
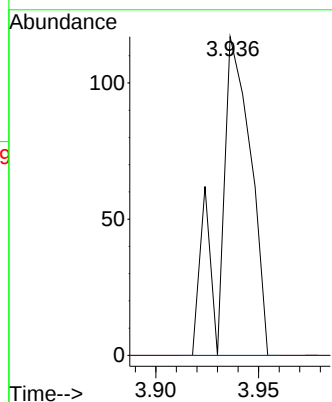
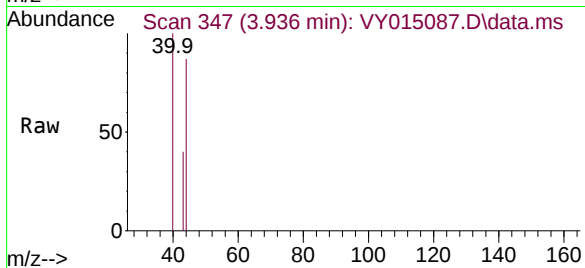
B-PP25

Tgt Ion: 43 Resp: 123

Ion Ratio Lower Upper

43 100

58 0.0 22.7 34.1#



#31

Cyclohexane

Concen: Below Cal

RT: 7.777 min Scan# 977

Delta R.T. -0.000 min

Lab File: VY015087.D

Acq: 14 Aug 2023 18:22

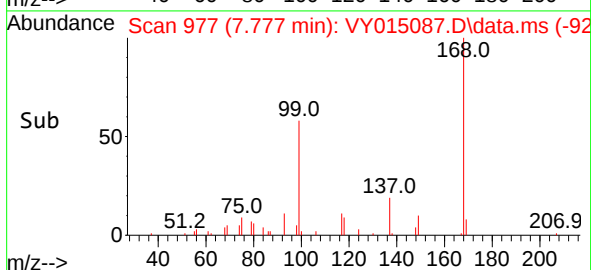
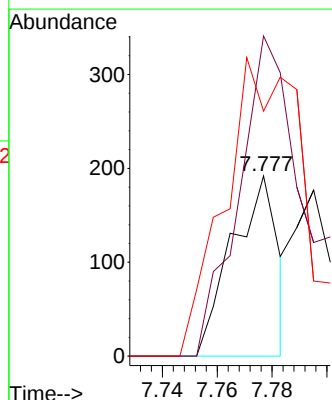
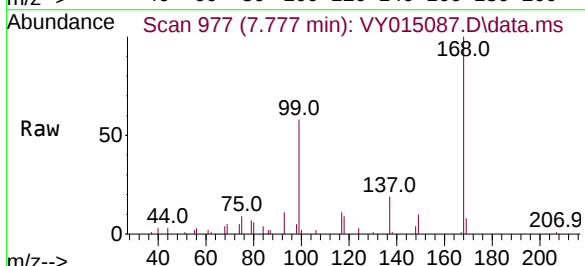
Tgt Ion: 56 Resp: 223

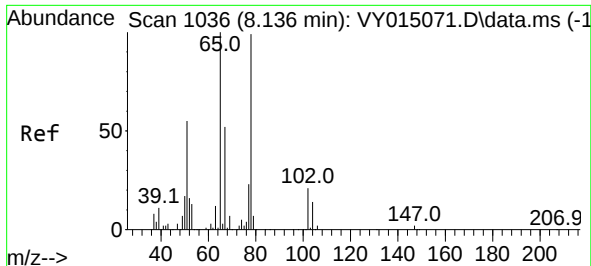
Ion Ratio Lower Upper

56 100

69 177.6 27.8 41.6#

84 135.9 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 36.179 ug/l

RT: 8.137 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY015087.D

Acq: 14 Aug 2023 18:22

Instrument :

MSVOA_Y

ClientSampleId :

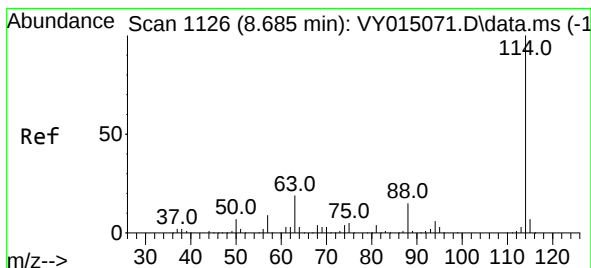
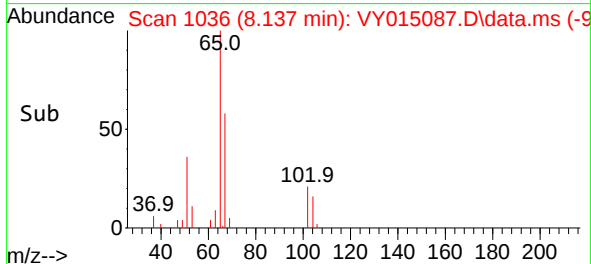
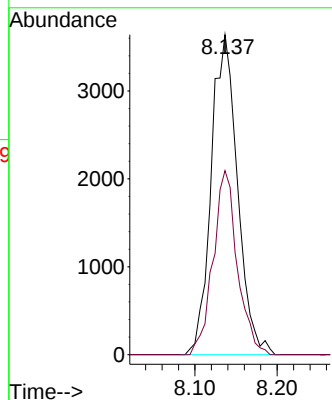
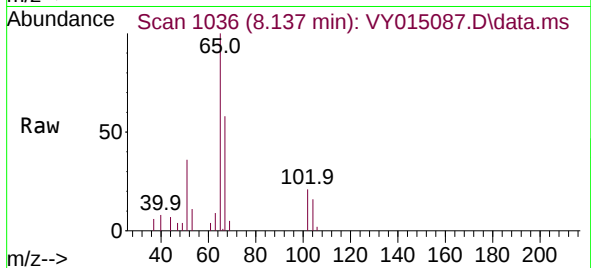
B-PP25

Tgt Ion: 65 Resp: 8091

Ion Ratio Lower Upper

65 100

67 53.0 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY015087.D

Acq: 14 Aug 2023 18:22

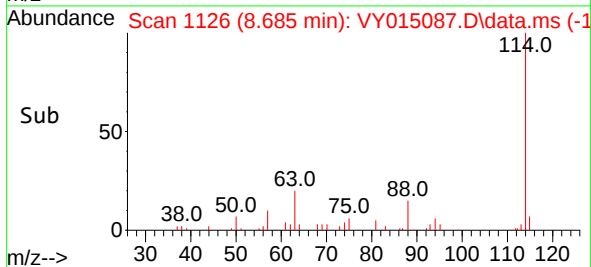
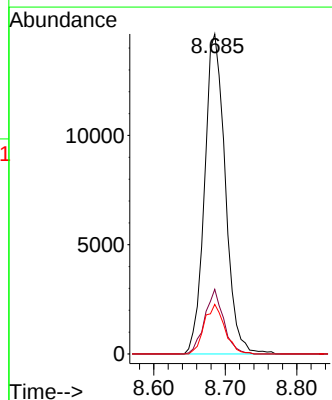
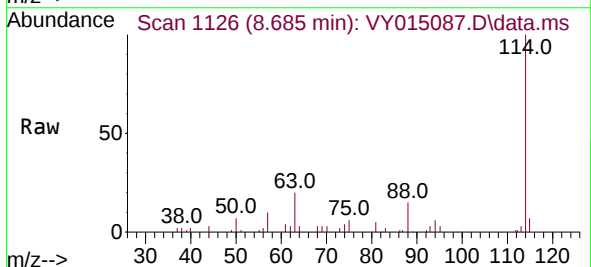
Tgt Ion: 114 Resp: 29395

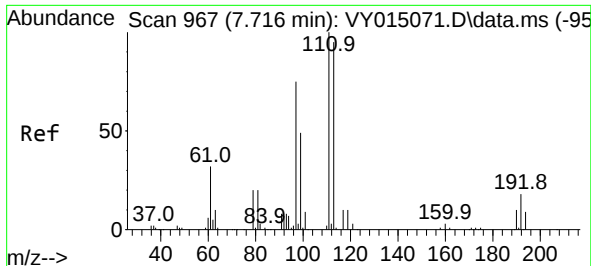
Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.4

88 15.5 0.0 30.6

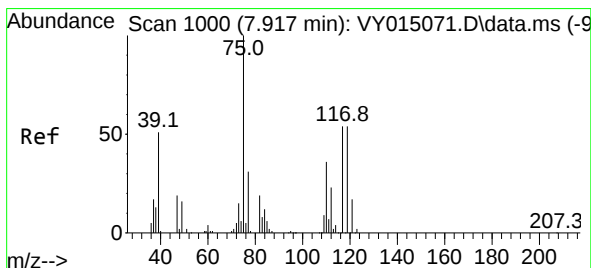
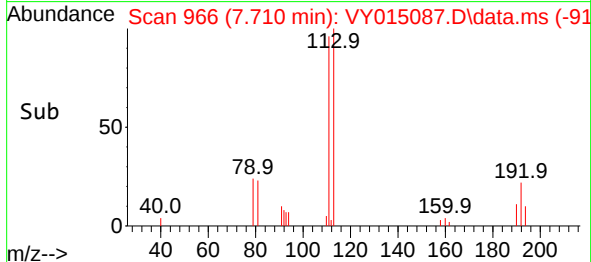
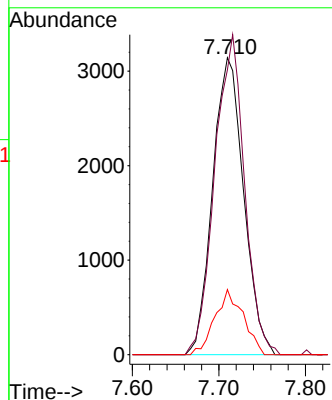
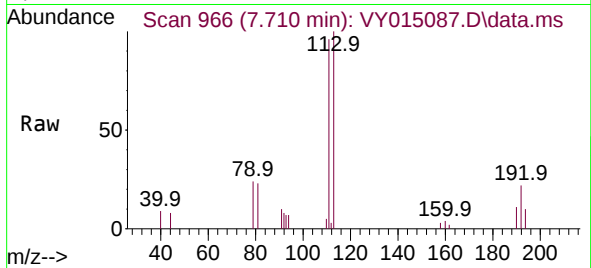




#35
Dibromofluoromethane
Concen: 41.389 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY015087.D
Acq: 14 Aug 2023 18:22

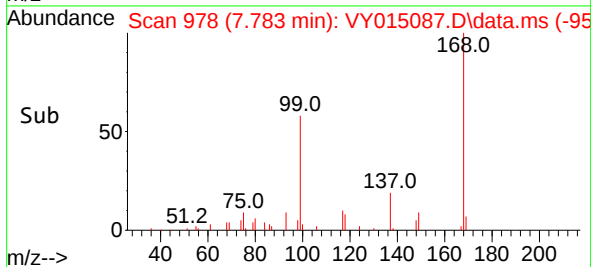
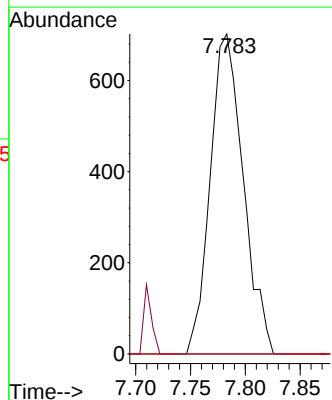
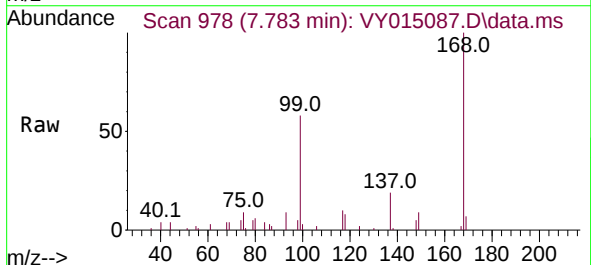
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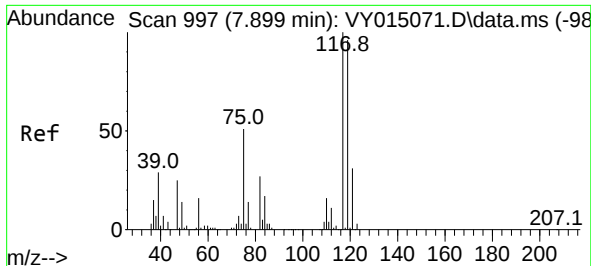
Tgt Ion:113 Resp: 7827
Ion Ratio Lower Upper
113 100
111 103.3 81.3 121.9
192 20.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 7.036 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015087.D
Acq: 14 Aug 2023 18:22

Tgt Ion: 75 Resp: 1472
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 0.0 24.4 36.6#

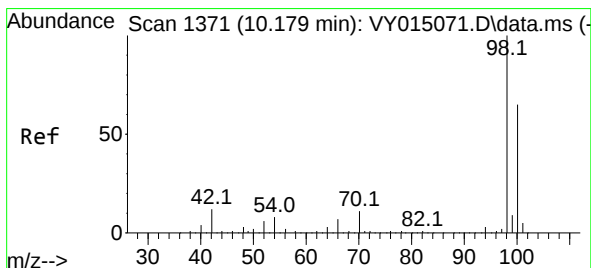
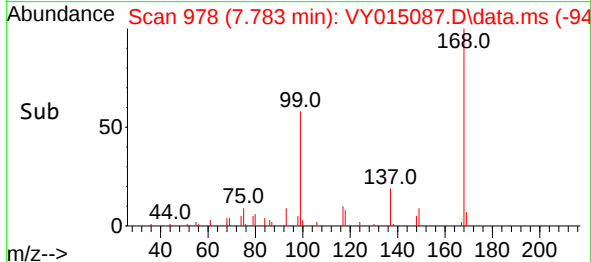
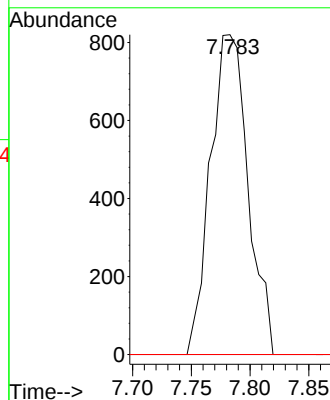
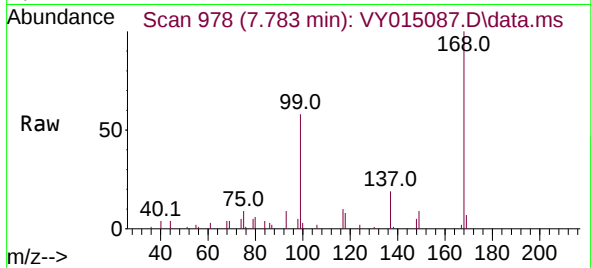




#38
Carbon Tetrachloride
Concen: 7.395 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY015087.D
Acq: 14 Aug 2023 18:22

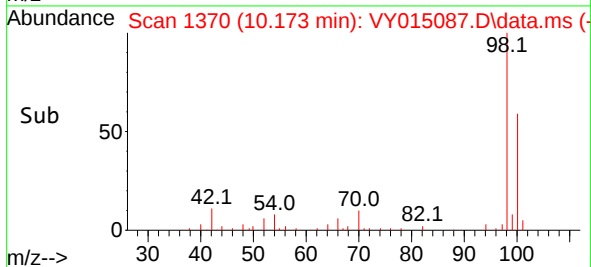
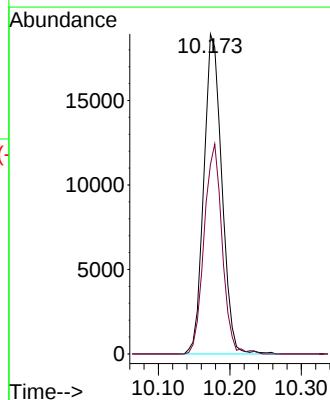
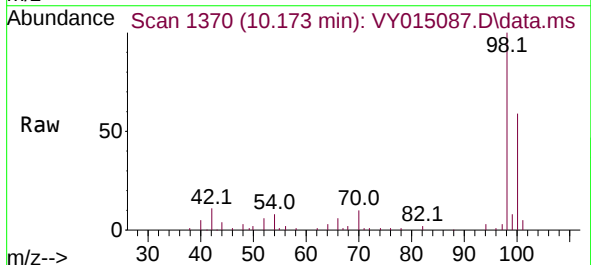
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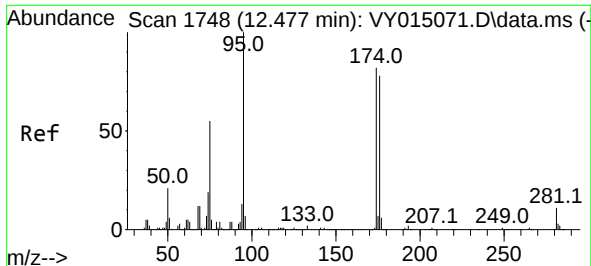
Tgt Ion:117 Resp: 1831
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 47.059 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY015087.D
Acq: 14 Aug 2023 18:22

Tgt Ion: 98 Resp: 33128
Ion Ratio Lower Upper
98 100
100 65.5 50.1 75.1

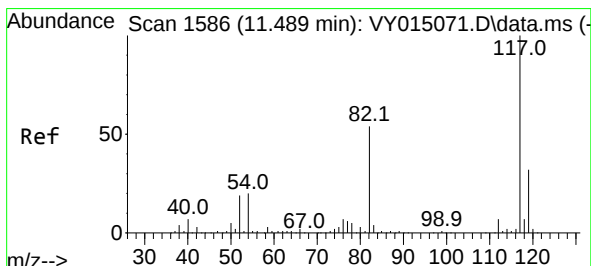
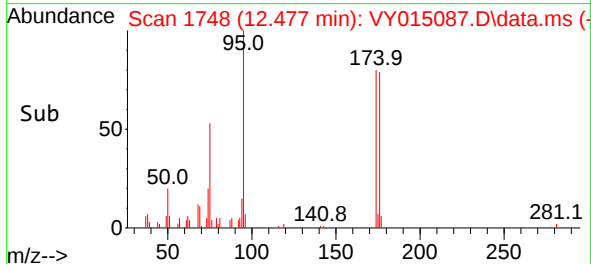
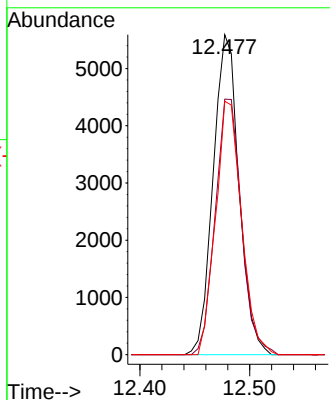
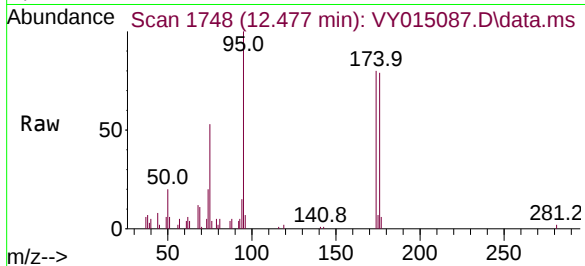




#62
4-Bromofluorobenzene
Concen: 35.609 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015087.D
Acq: 14 Aug 2023 18:22

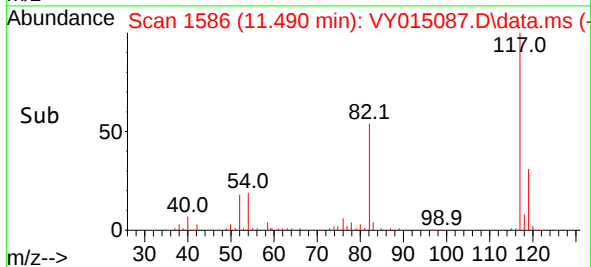
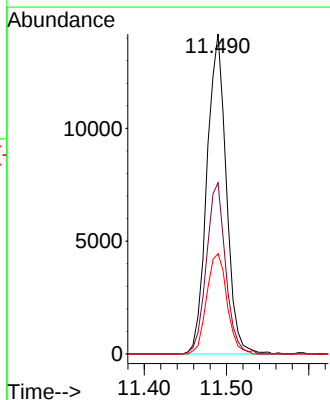
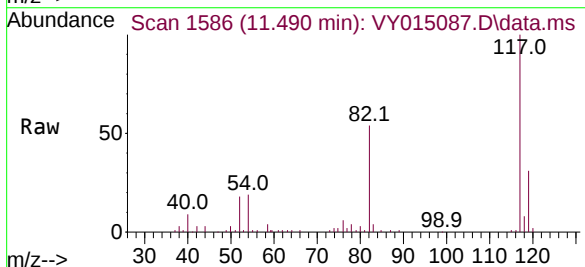
Instrument :
MSVOA_Y
ClientSampleId :
B-PP25

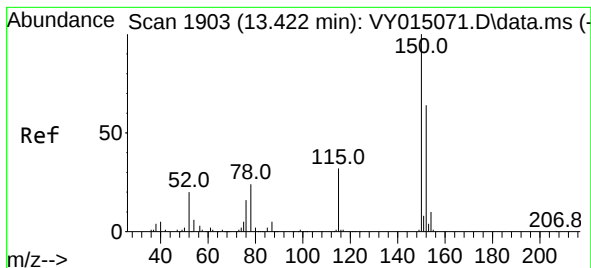
Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.8	0.0	178.2
176	79.6	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015087.D
Acq: 14 Aug 2023 18:22

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.5	43.4	65.0
119	31.3	26.3	39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY015087.D

Acq: 14 Aug 2023 18:22

Instrument :

MSVOA_Y

ClientSampleId :

B-PP25

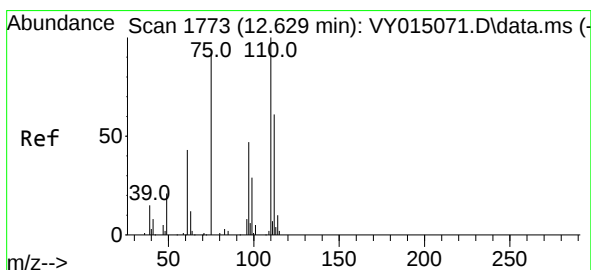
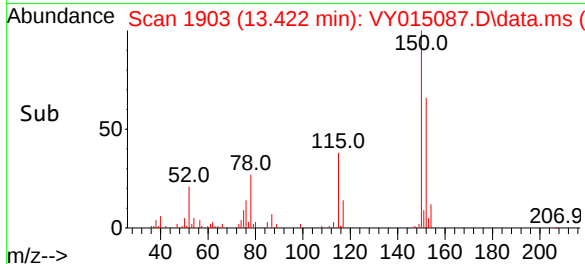
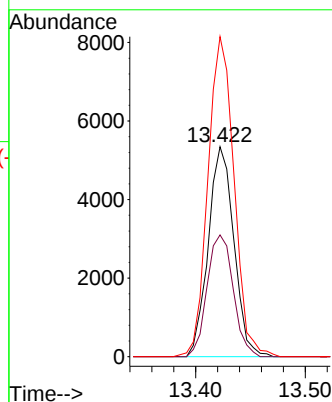
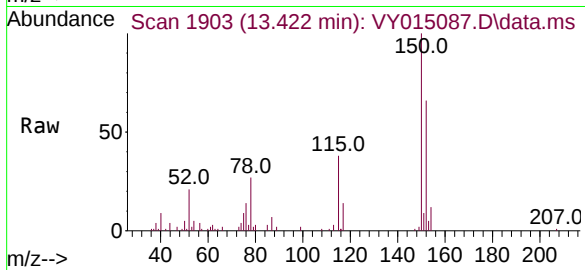
Tgt Ion:152 Resp: 8691

Ion Ratio Lower Upper

152 100

115 59.0 28.8 86.5

150 155.2 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 45.175 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015087.D

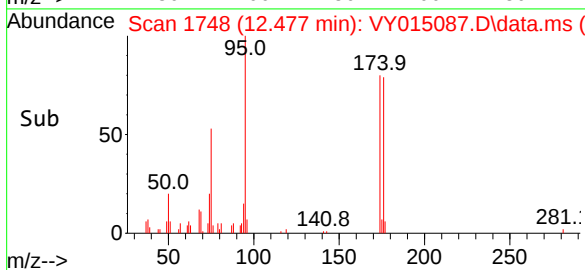
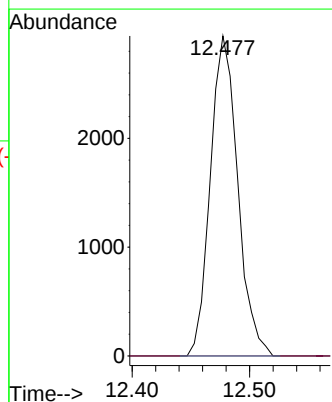
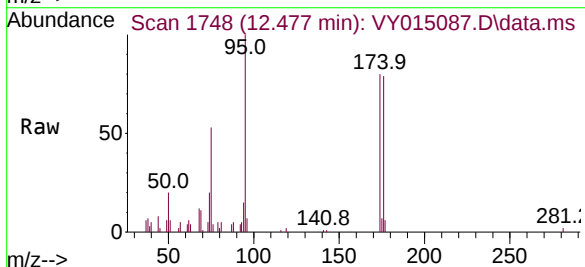
Acq: 14 Aug 2023 18:22

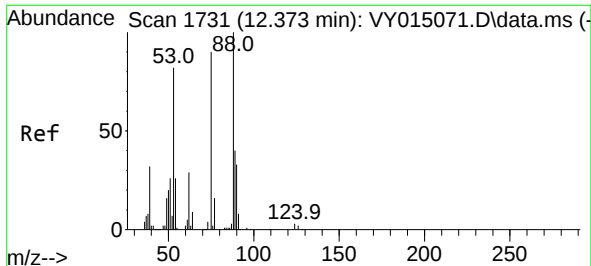
Tgt Ion: 75 Resp: 4770

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

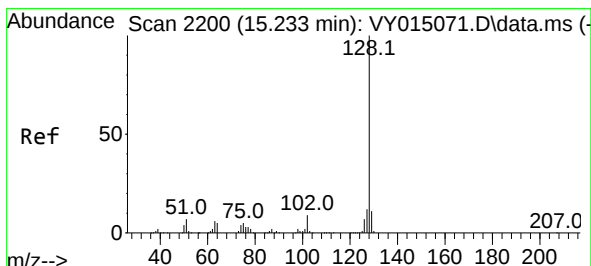
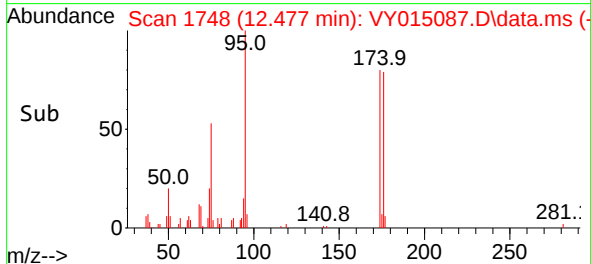
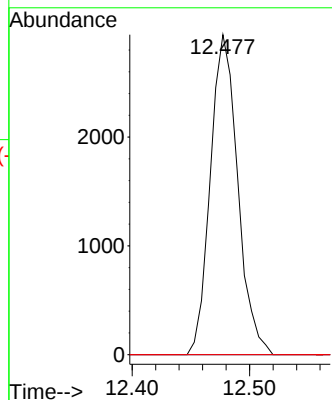
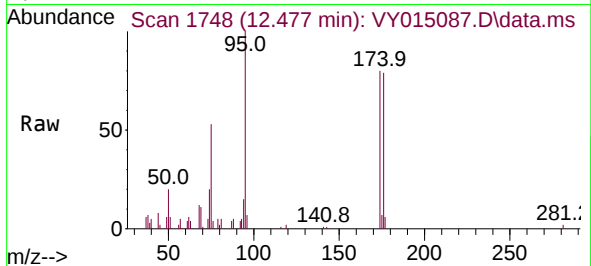




#81
trans-1,4-Dichloro-2-butene
Concen: 99.226 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY015087.D
Acq: 14 Aug 2023 18:22

Instrument :
MSVOA_Y
ClientSampleId :
B-PP25

Tgt Ion: 75 Resp: 4770
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#95
Naphthalene
Concen: 2.467 ug/l
RT: 15.227 min Scan# 2199
Delta R.T. -0.006 min
Lab File: VY015087.D
Acq: 14 Aug 2023 18:22

Tgt Ion: 128 Resp: 996
Ion Ratio Lower Upper
128 100
127 2.7 10.8 16.2#
129 11.3 8.6 13.0

