

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082223\
 Data File : VY015250.D
 Acq On : 22 Aug 2023 17:26
 Operator : SY/MD
 Sample : 04090-07
 Misc : 5.43g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-L

Quant Time: Aug 23 00:51:01 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)

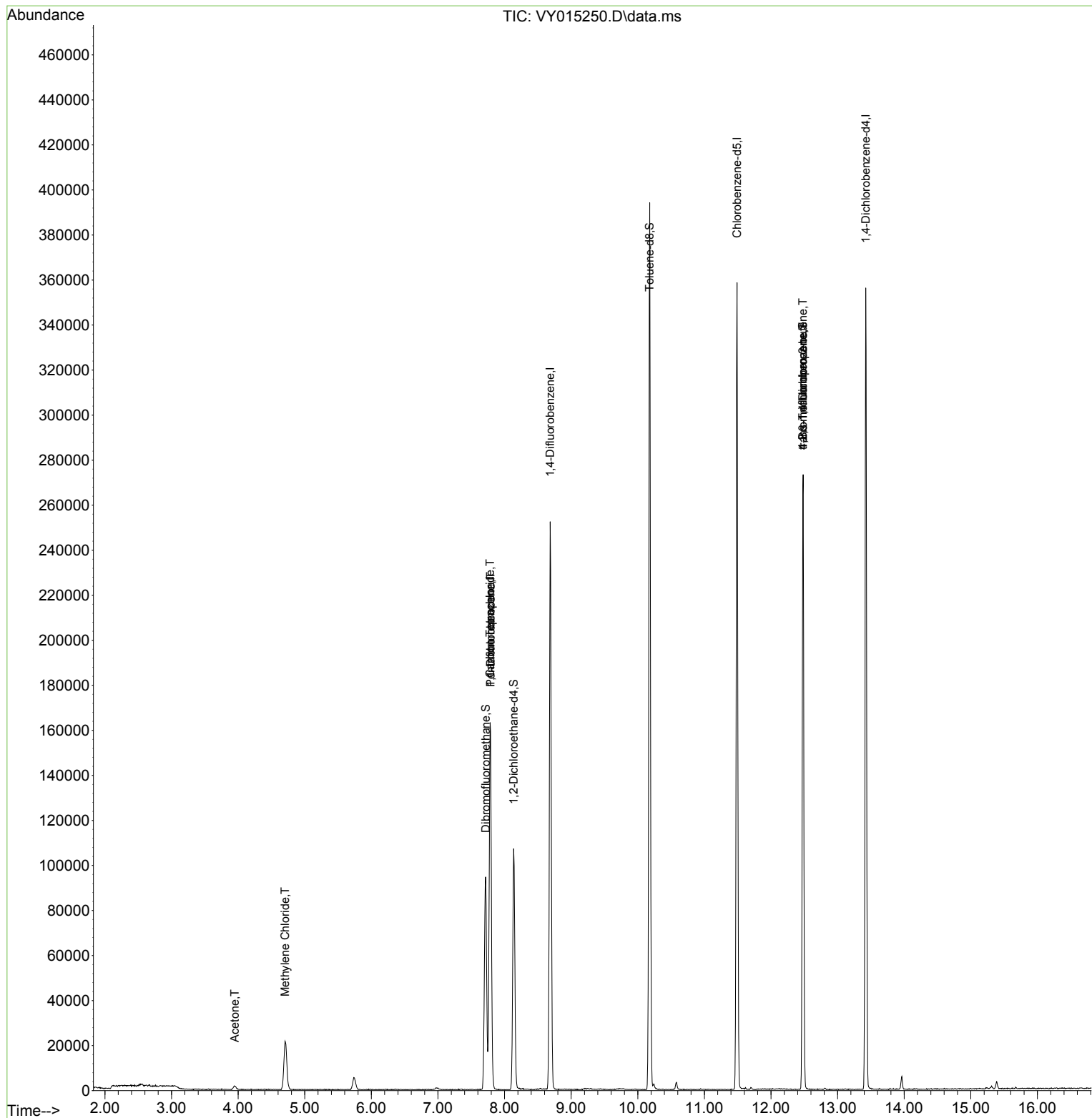
Internal Standards						
1) Pentafluorobenzene	7.789	168	128072	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	210524	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	191091	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	90943	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	82744	53.821	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.640%	
35) Dibromofluoromethane	7.716	113	66105	48.809	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.620%	
50) Toluene-d8	10.179	98	249543	49.495	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.000%	
62) 4-Bromofluorobenzene	12.477	95	82355	44.722	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 89.440%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	98	Below Cal	#	43
3) Chloromethane	2.101	50	293	Below Cal	#	79
5) Bromomethane	2.650	94	45	Below Cal	#	2
16) Acetone	3.948	43	3027	6.027	ug/l	96
20) Methylene Chloride	4.704	84	16201	9.997	ug/l	92
31) Cyclohexane	7.789	56	2788	Below Cal	#	36
36) 1,1-Dichloropropene	7.789	75	9607	6.412	ug/l	# 50
38) Carbon Tetrachloride	7.783	117	12791	7.213	ug/l	# 16
76) 1,2,3-Trichloropropane	12.477	75	44756	40.507	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	44756	88.973	ug/l	# 11

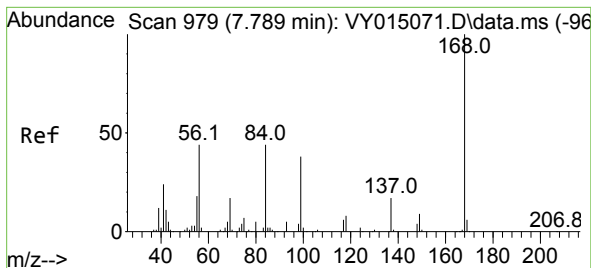
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Aug 14 12:43:26 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.789 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY015250.D

Acq: 22 Aug 2023 17:26

Instrument :

MSVOA_Y

ClientSampleId :

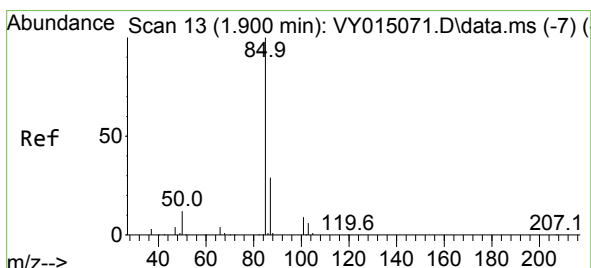
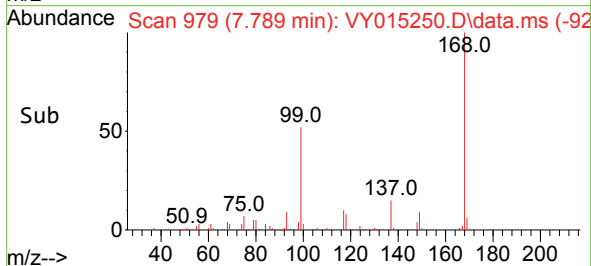
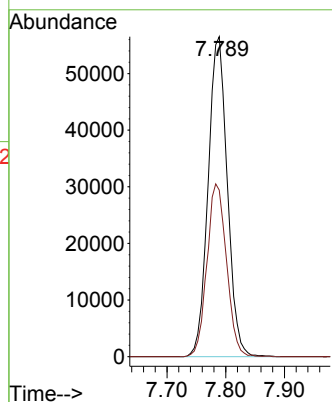
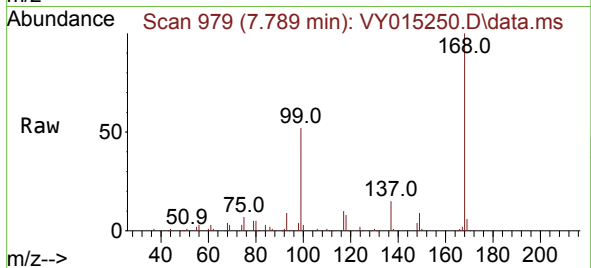
TP-L

Tgt Ion:168 Resp: 128072

Ion Ratio Lower Upper

168 100

99 52.1 43.4 65.0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.906 min Scan# 14

Delta R.T. 0.006 min

Lab File: VY015250.D

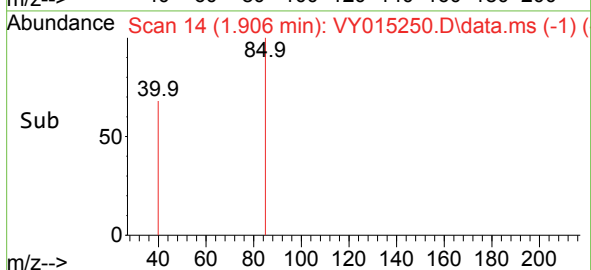
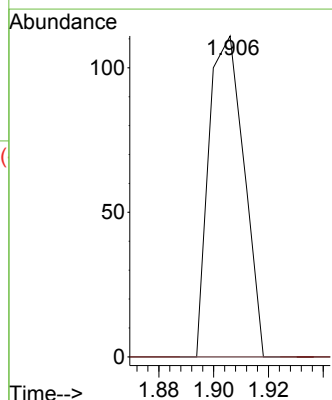
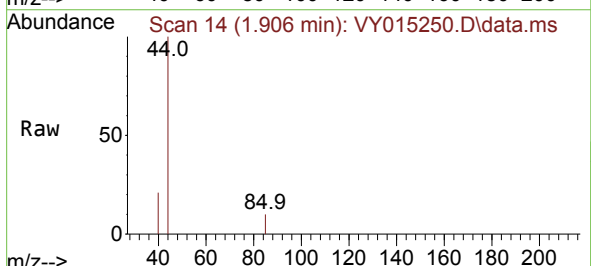
Acq: 22 Aug 2023 17:26

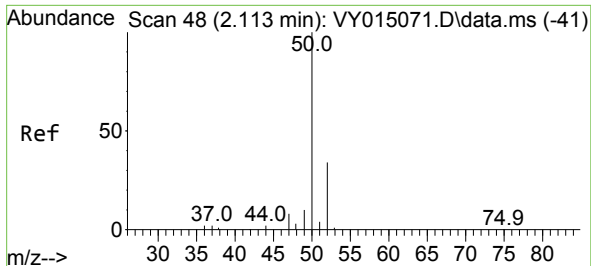
Tgt Ion: 85 Resp: 98

Ion Ratio Lower Upper

85 100

87 0.0 15.6 46.8#

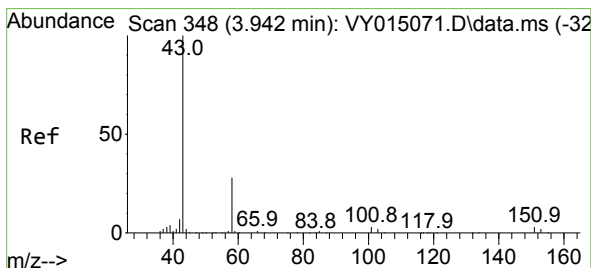
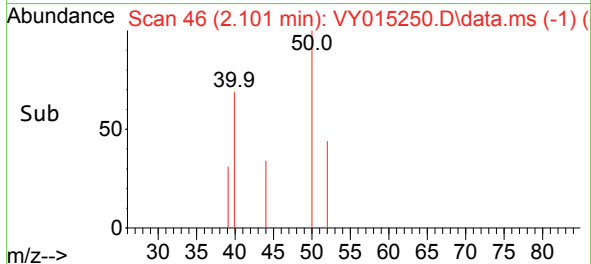
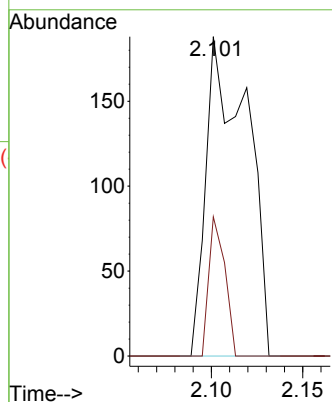
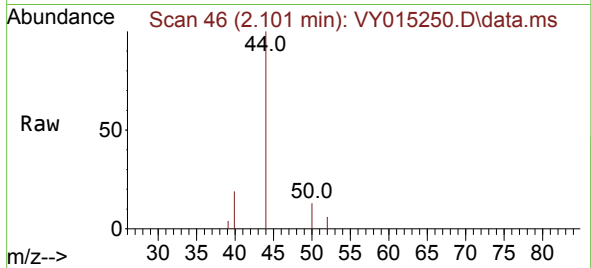




#3
Chloromethane
Concen: Below Cal
RT: 2.101 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY015250.D
Acq: 22 Aug 2023 17:26

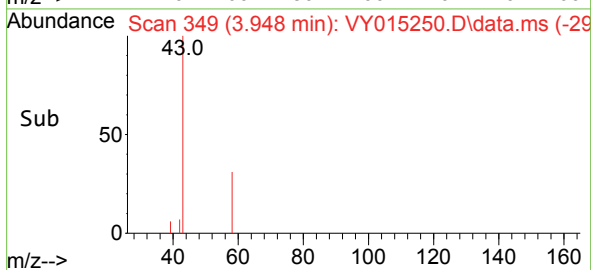
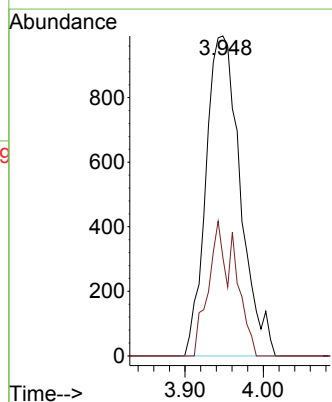
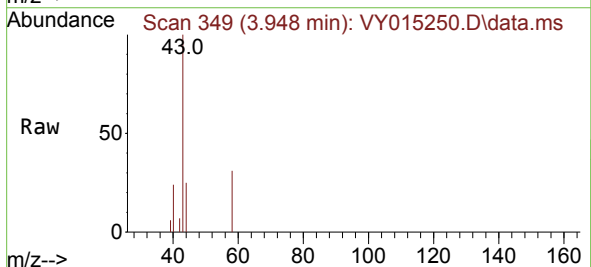
Instrument :
MSVOA_Y
ClientSampleId :
TP-L

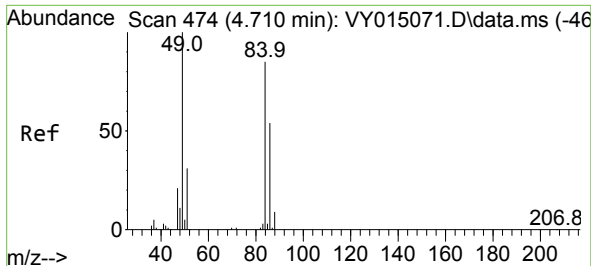
Tgt Ion: 50 Resp: 293
Ion Ratio Lower Upper
50 100
52 43.6 25.4 38.2#



#16
Acetone
Concen: 6.027 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY015250.D
Acq: 22 Aug 2023 17:26

Tgt Ion: 43 Resp: 3027
Ion Ratio Lower Upper
43 100
58 30.7 22.7 34.1

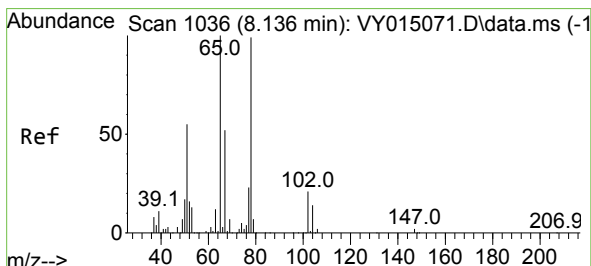
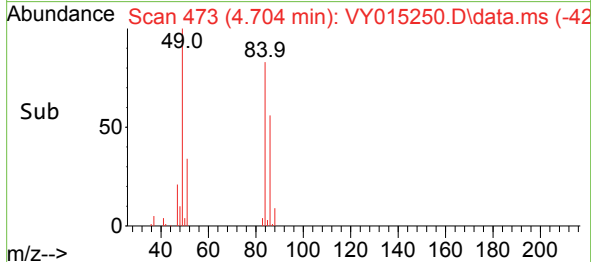
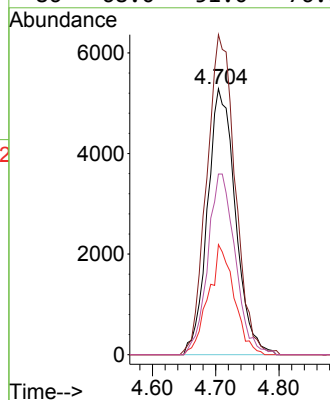
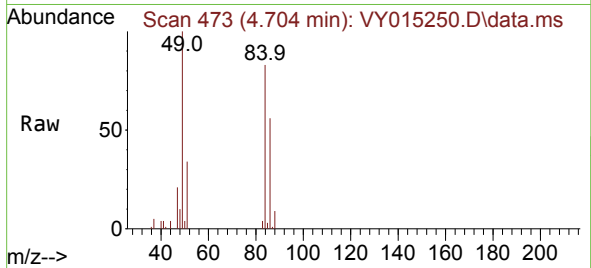




#20
Methylene Chloride
Concen: 9.997 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY015250.D
Acq: 22 Aug 2023 17:26

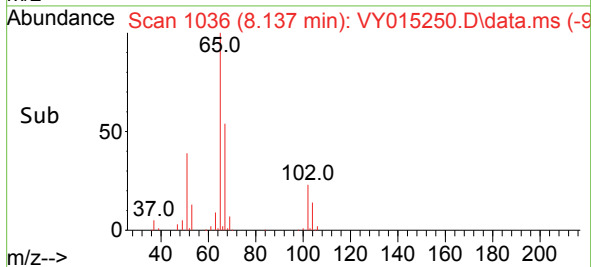
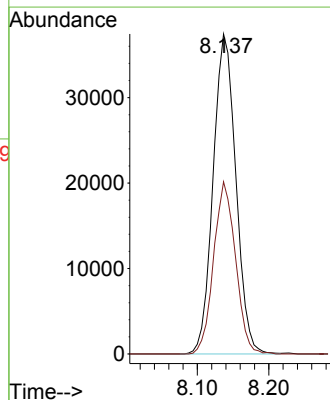
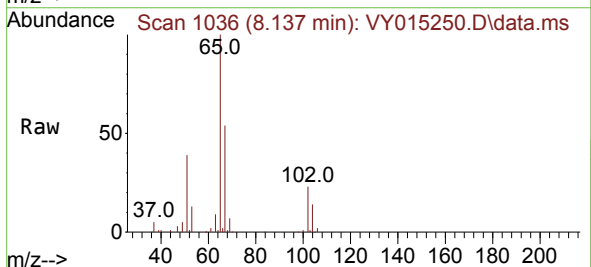
Instrument :
MSVOA_Y
ClientSampleId :
TP-L

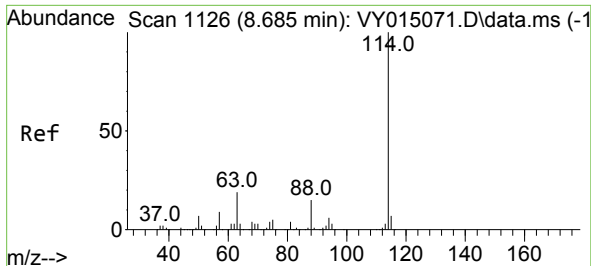
Tgt Ion:	84	Resp:	16201
Ion	Ratio	Lower	Upper
84	100		
49	120.4	106.9	160.3
51	41.4	33.2	49.8
86	68.0	51.0	76.6



#33
1,2-Dichloroethane-d4
Concen: 53.821 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015250.D
Acq: 22 Aug 2023 17:26

Tgt Ion:	65	Resp:	82744
Ion	Ratio	Lower	Upper
65	100		
67	51.8	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: VY015250.D

Acq: 22 Aug 2023 17:26

Instrument :

MSVOA_Y

ClientSampleId :

TP-L

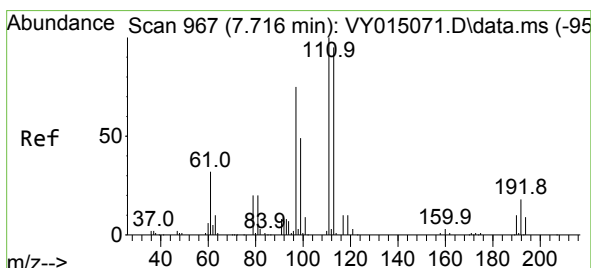
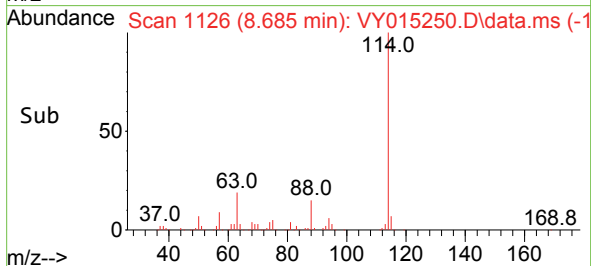
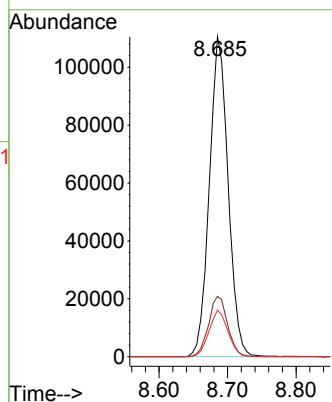
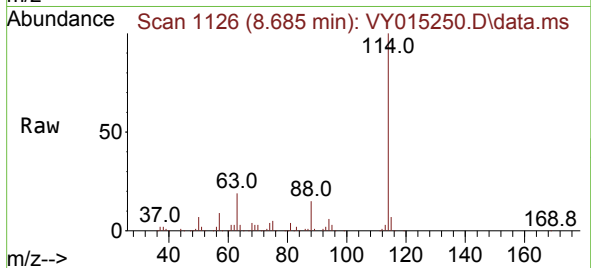
Tgt Ion:114 Resp: 210524

Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.4

88 14.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.809 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY015250.D

Acq: 22 Aug 2023 17:26

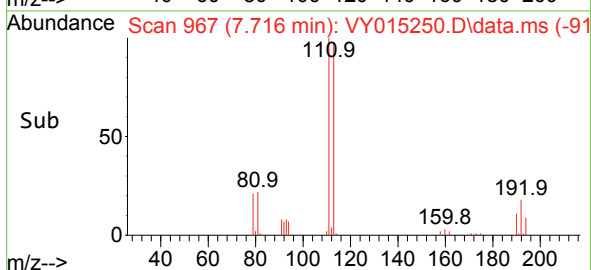
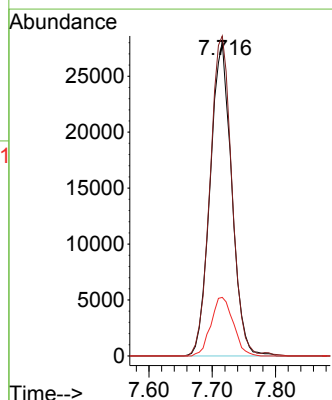
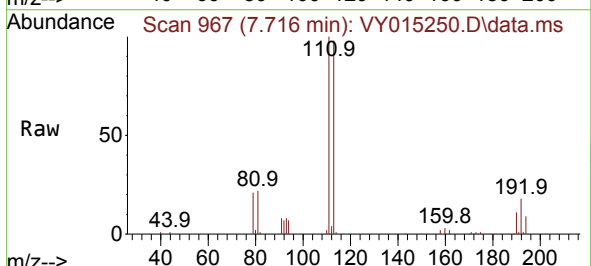
Tgt Ion:113 Resp: 66105

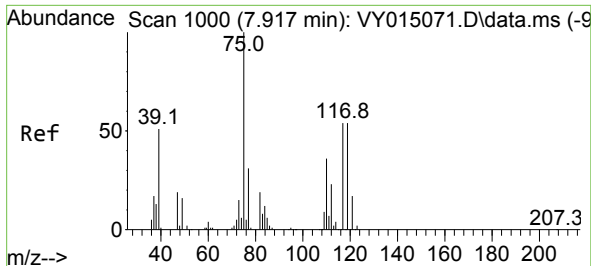
Ion Ratio Lower Upper

113 100

111 103.0 81.3 121.9

192 19.4 16.9 25.3





#36

1,1-Dichloropropene

Concen: 6.412 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY015250.D

Acq: 22 Aug 2023 17:26

Instrument :

MSVOA_Y

ClientSampleId :

TP-L

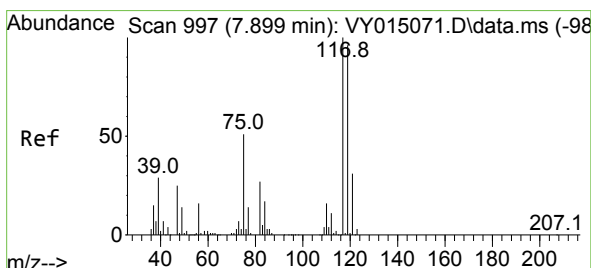
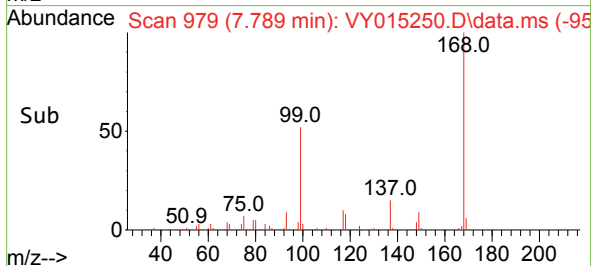
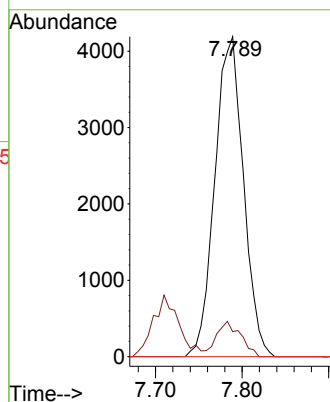
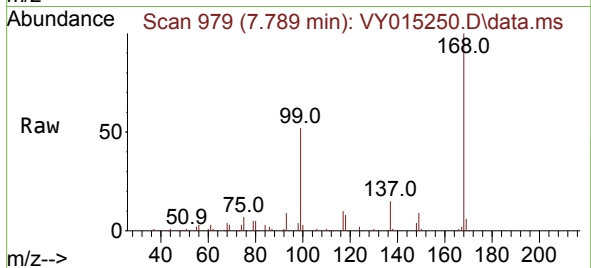
Tgt Ion: 75 Resp: 9607

Ion Ratio Lower Upper

75 100

110 9.5 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 7.213 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY015250.D

Acq: 22 Aug 2023 17:26

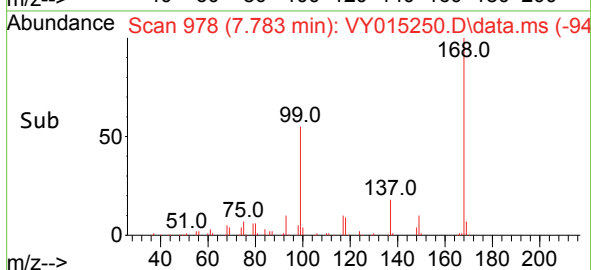
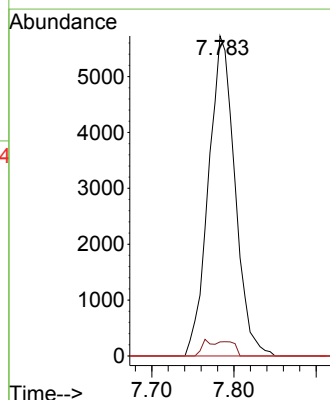
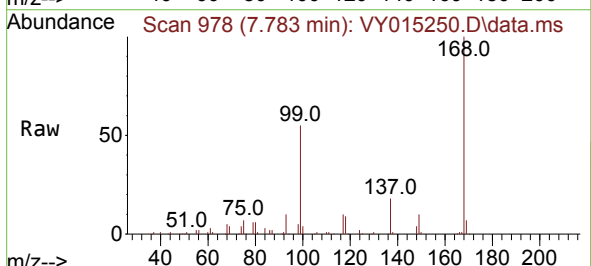
Tgt Ion: 117 Resp: 12791

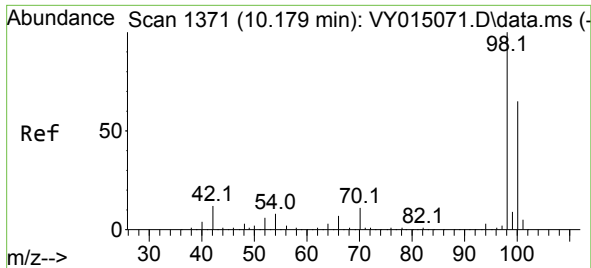
Ion Ratio Lower Upper

117 100

119 4.4 76.4 114.6#

121 0.0 25.8 38.6#

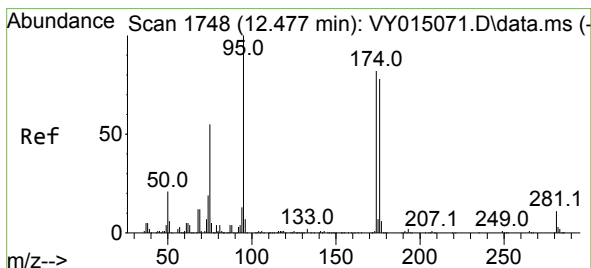
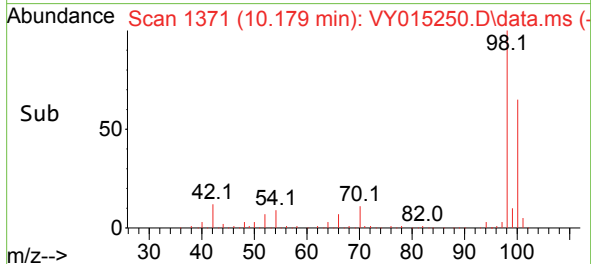
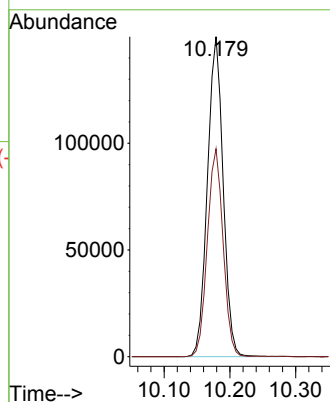
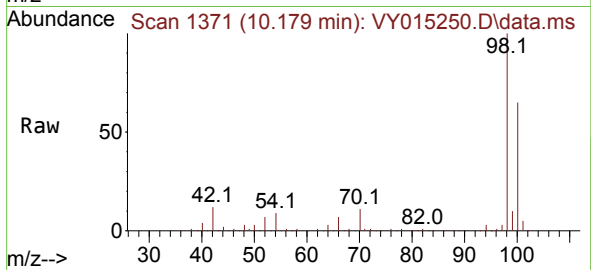




#50
Toluene-d8
Concen: 49.495 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015250.D
Acq: 22 Aug 2023 17:26

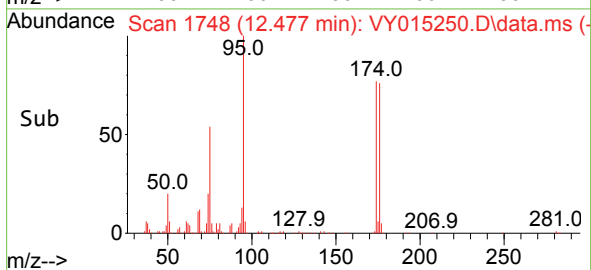
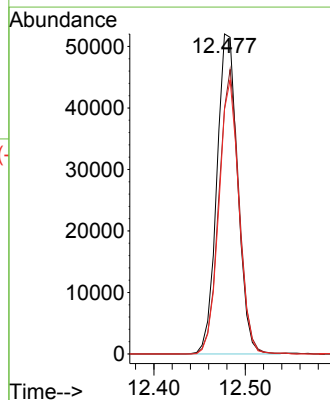
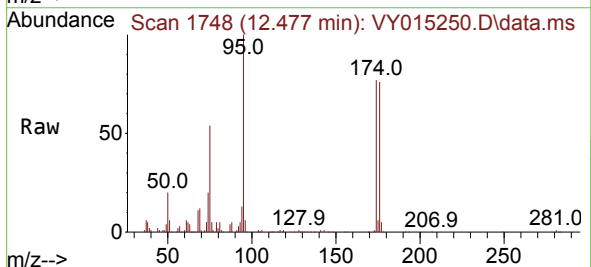
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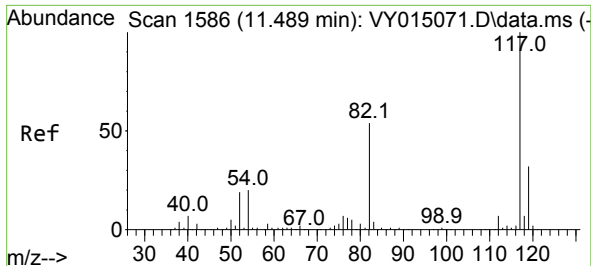
Tgt Ion: 98 Resp: 249543
Ion Ratio Lower Upper
98 100
100 64.9 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 44.722 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015250.D
Acq: 22 Aug 2023 17:26

Tgt Ion: 95 Resp: 82355
Ion Ratio Lower Upper
95 100
174 86.3 0.0 178.2
176 82.7 0.0 173.8

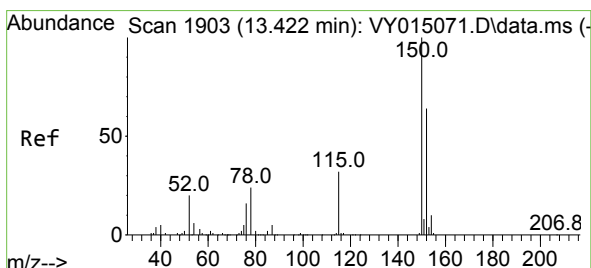
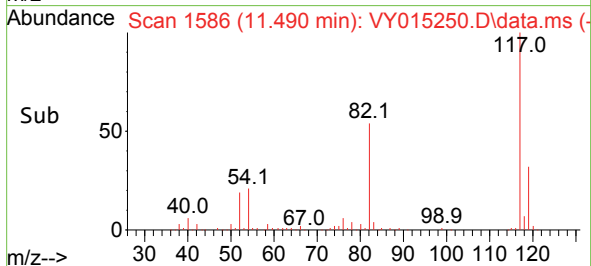
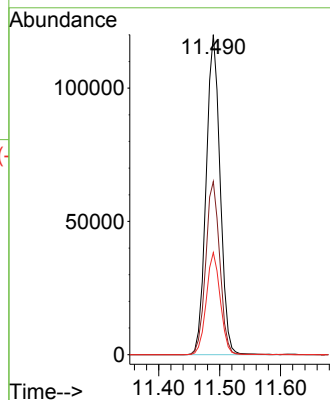
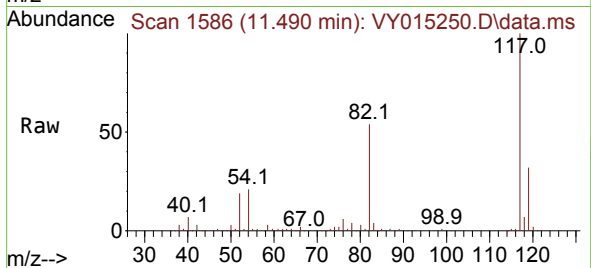




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015250.D
Acq: 22 Aug 2023 17:26

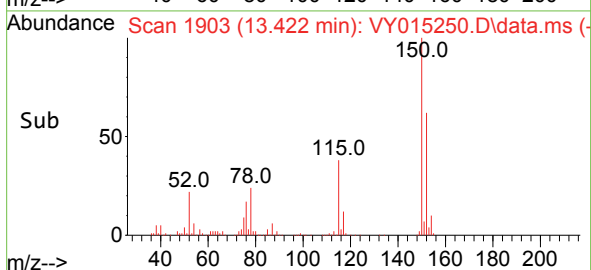
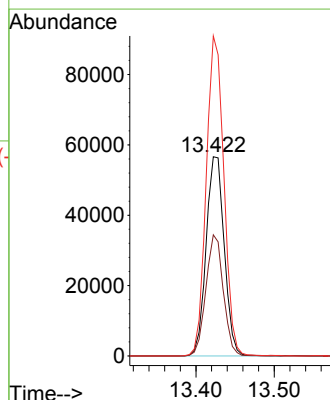
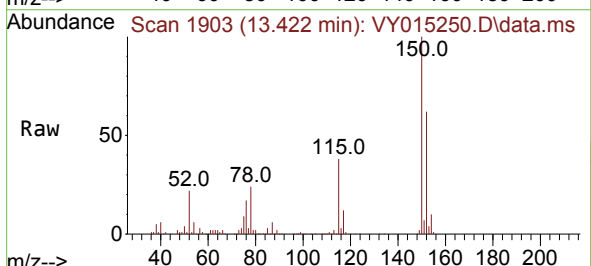
Instrument :
MSVOA_Y
ClientSampleId :
TP-L

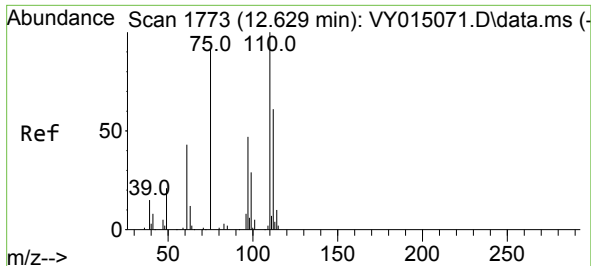
Tgt Ion:117 Resp: 191091
Ion Ratio Lower Upper
117 100
82 54.1 43.4 65.0
119 31.9 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015250.D
Acq: 22 Aug 2023 17:26

Tgt Ion:152 Resp: 90943
Ion Ratio Lower Upper
152 100
115 58.4 28.8 86.5
150 156.0 0.0 348.8

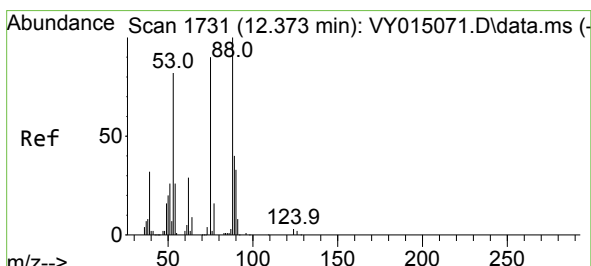
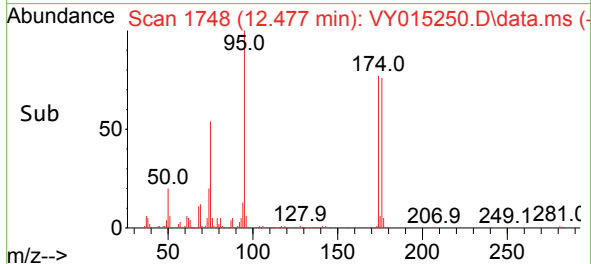
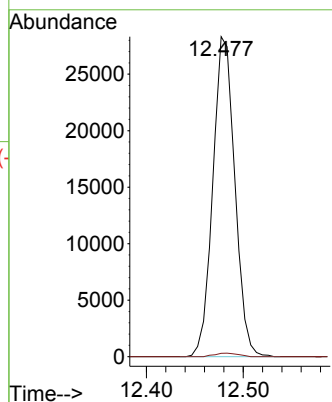
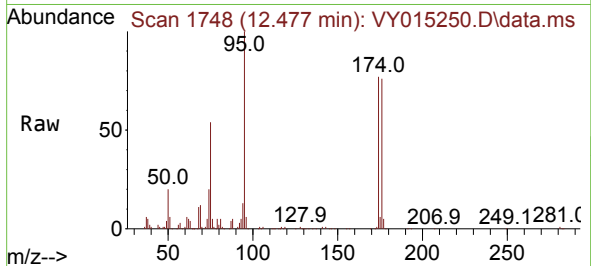




#76
1,2,3-Trichloropropane
Concen: 40.507 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015250.D
Acq: 22 Aug 2023 17:26

Instrument :
MSVOA_Y
ClientSampleId :
TP-L

Tgt Ion: 75 Resp: 44756
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.973 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015250.D
Acq: 22 Aug 2023 17:26

Tgt Ion: 75 Resp: 44756
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

