

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081623\
 Data File : VY015158.D
 Acq On : 16 Aug 2023 18:27
 Operator : SY/MD
 Sample : 04023-01
 Misc : 5.52g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 17 05:32:45 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	122441	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	216394	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	217027	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	110645	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	83691	56.941	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.880%
35) Dibromofluoromethane	7.716	113	68792	49.415	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.820%
50) Toluene-d8	10.179	98	261506	50.461	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.920%
62) 4-Bromofluorobenzene	12.477	95	98681	52.134	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	104.260%

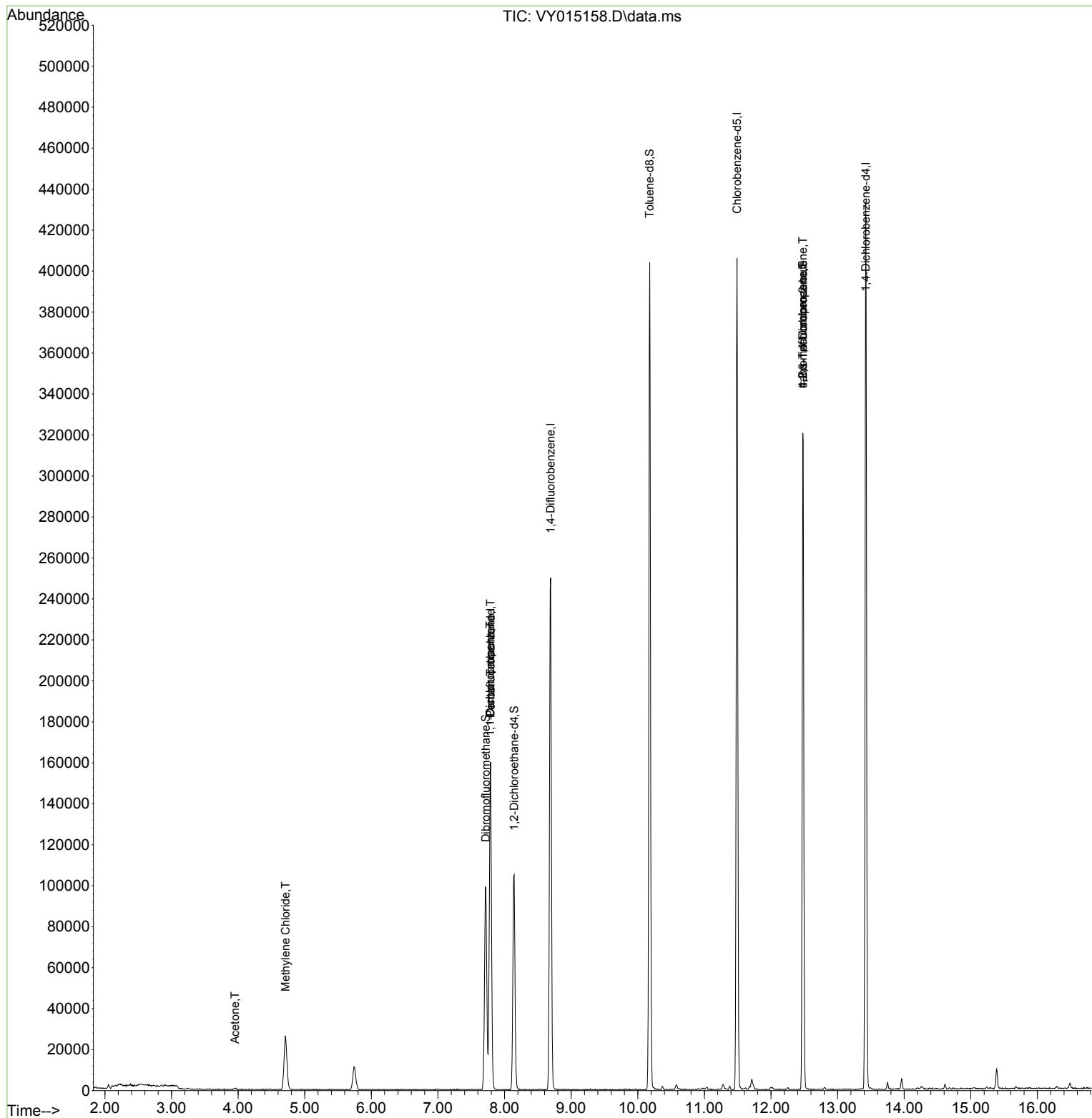
Target Compounds					Qvalue	
3) Chloromethane	2.107	50	319	Below Cal	#	43
5) Bromomethane	2.668	94	70	Below Cal		91
11) Tert butyl alcohol	4.948	59	104	Below Cal	#	89
16) Acetone	3.954	43	1129	2.351	ug/l	96
20) Methylene Chloride	4.710	84	19995	14.282	ug/l	90
31) Cyclohexane	7.789	56	2702	Below Cal	#	3
36) 1,1-Dichloropropene	7.783	75	9514	6.177	ug/l	# 50
38) Carbon Tetrachloride	7.789	117	12555	6.888	ug/l	# 16
76) 1,2,3-Trichloropropane	12.477	75	52822	39.295	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	52822	86.310	ug/l	# 10

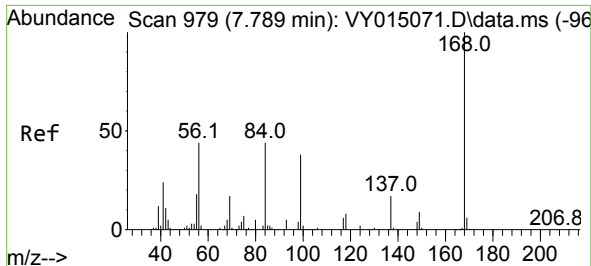
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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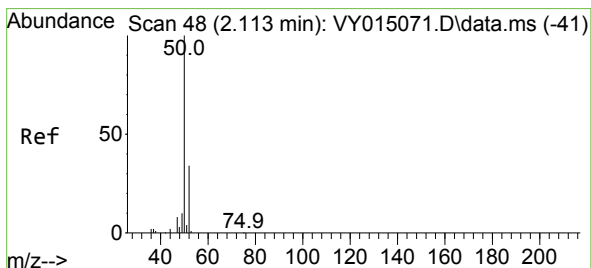
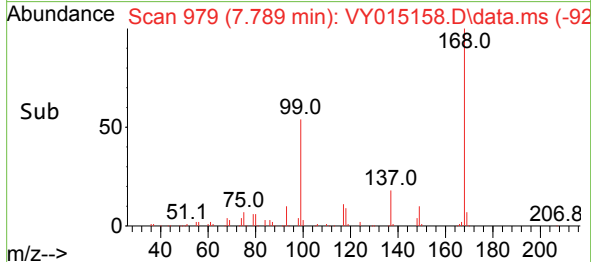
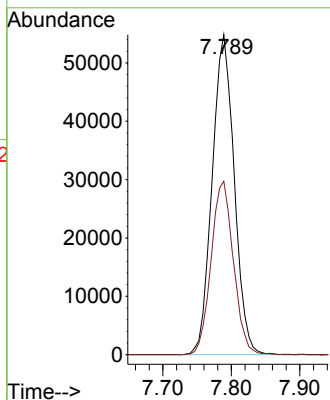
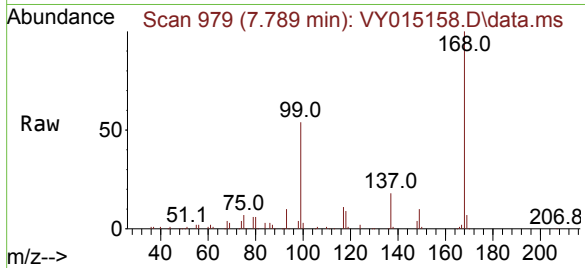




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015158.D
Acq: 16 Aug 2023 18:27

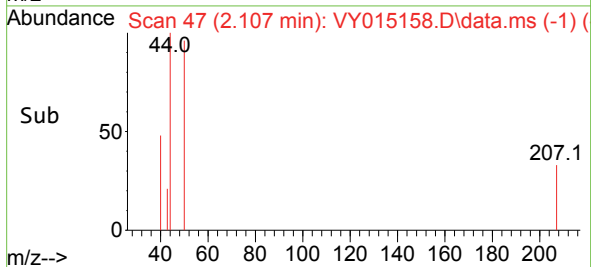
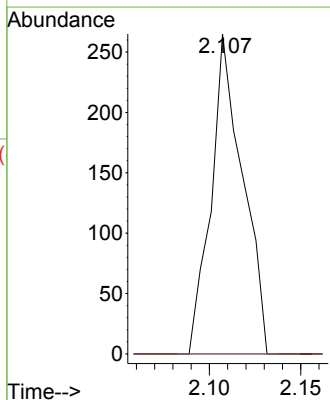
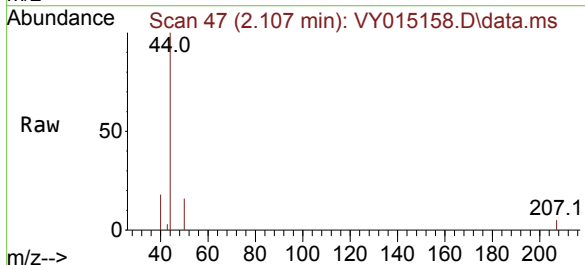
Instrument :
MSVOA_Y
ClientSampleId :

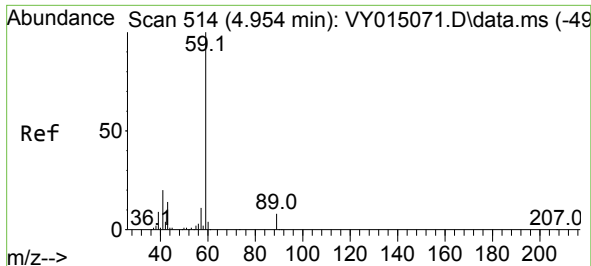
Tgt Ion:168 Resp: 122441
Ion Ratio Lower Upper
168 100
99 54.2 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY015158.D
Acq: 16 Aug 2023 18:27

Tgt Ion: 50 Resp: 319
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.948 min Scan# 51

Delta R.T. 0.000 min

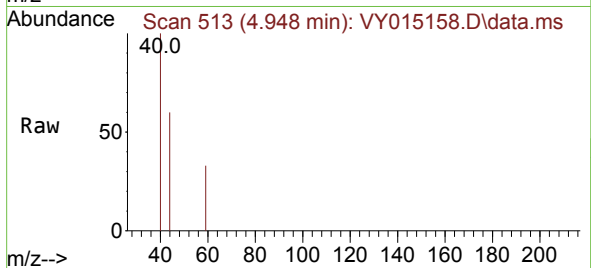
Lab File: VY015158.D

Acq: 16 Aug 2023 18:27

Instrument :

MSVOA_Y

ClientSampleId :

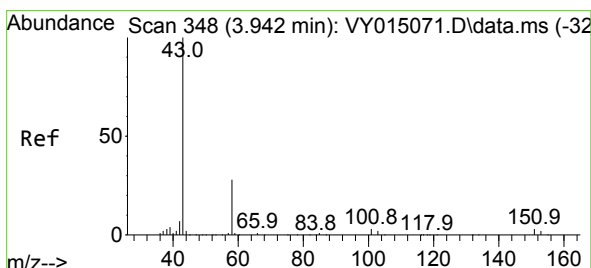
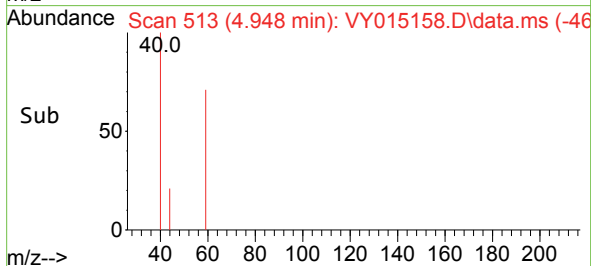
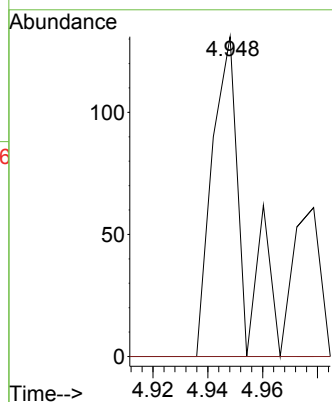


Tgt Ion: 59 Resp: 104

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#16

Acetone

Concen: 2.351 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.012 min

Lab File: VY015158.D

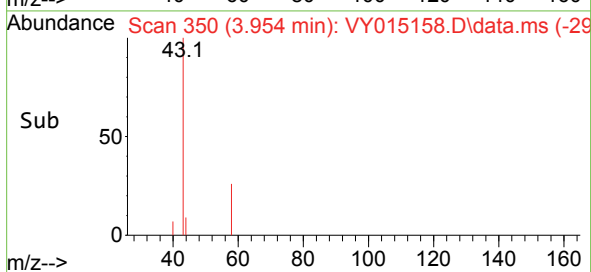
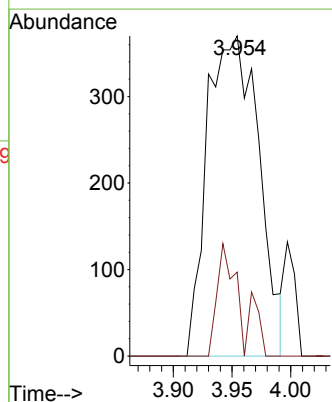
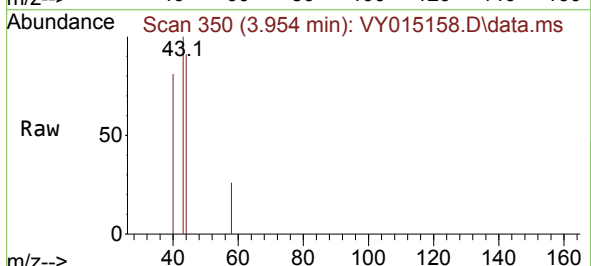
Acq: 16 Aug 2023 18:27

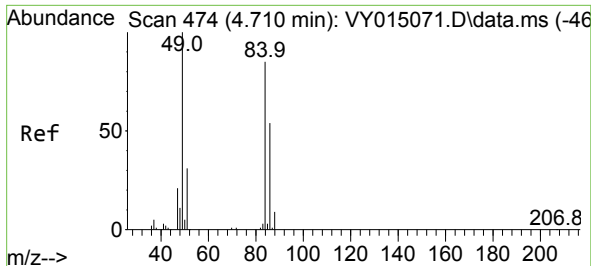
Tgt Ion: 43 Resp: 1129

Ion Ratio Lower Upper

43 100

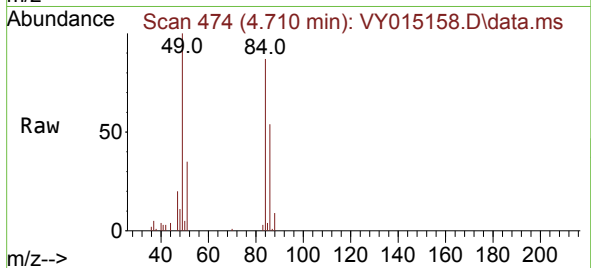
58 26.2 22.7 34.1



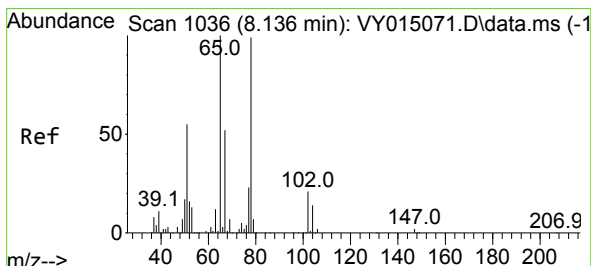
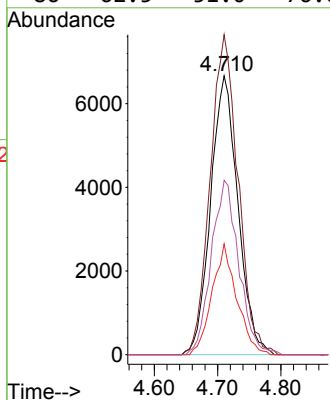
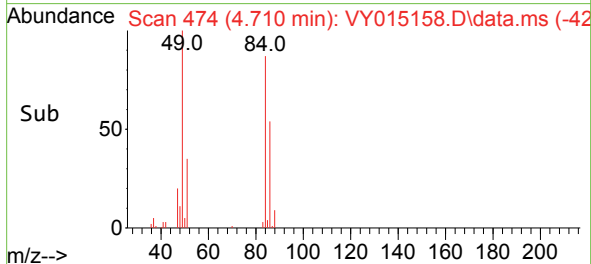


#20
Methylene Chloride
Concen: 14.282 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015158.D
Acq: 16 Aug 2023 18:27

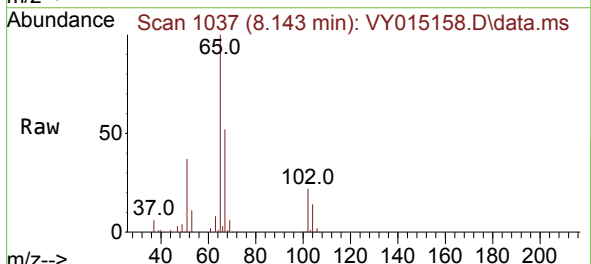
Instrument :
MSVOA_Y
ClientSampleId :



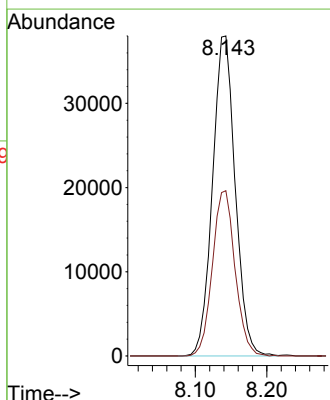
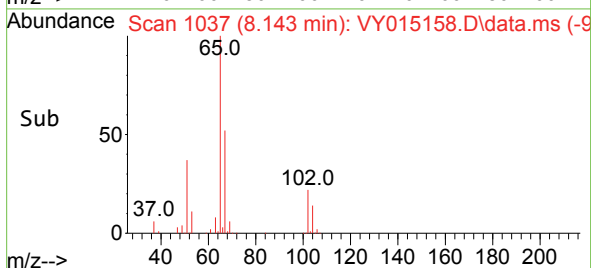
Tgt Ion:	84	Resp:	19995
Ion	Ratio	Lower	Upper
84	100		
49	114.7	106.9	160.3
51	39.7	33.2	49.8
86	62.5	51.0	76.6

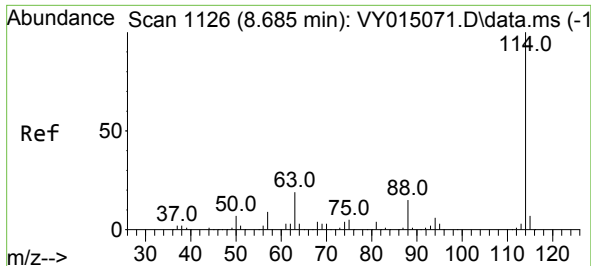


#33
1,2-Dichloroethane-d4
Concen: 56.941 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY015158.D
Acq: 16 Aug 2023 18:27



Tgt Ion:	65	Resp:	83691
Ion	Ratio	Lower	Upper
65	100		
67	51.6	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: VY015158.D

Acq: 16 Aug 2023 18:27

Instrument :

MSVOA_Y

ClientSampleId :

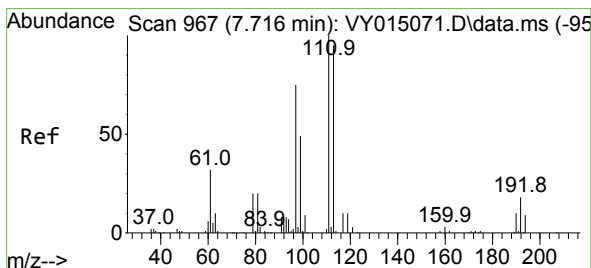
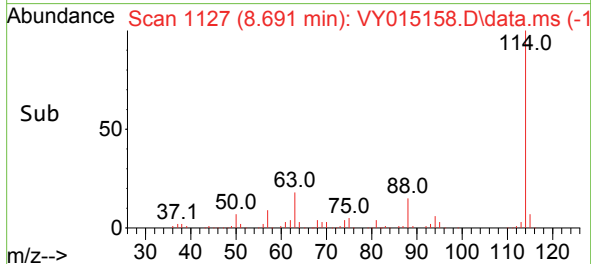
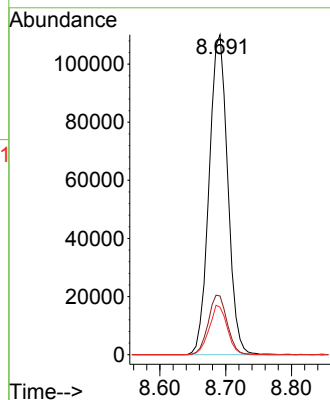
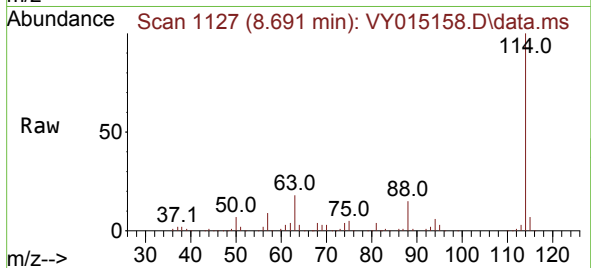
Tgt Ion:114 Resp: 216394

Ion Ratio Lower Upper

114 100

63 18.4 0.0 42.4

88 14.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.415 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY015158.D

Acq: 16 Aug 2023 18:27

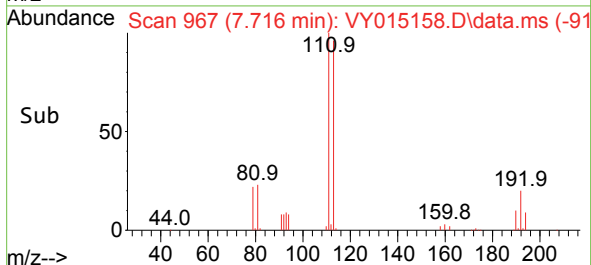
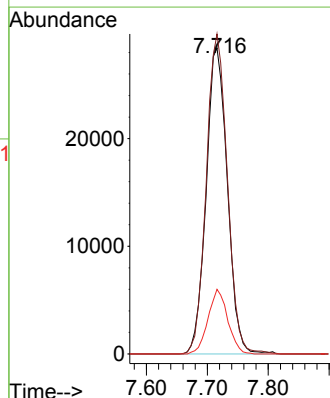
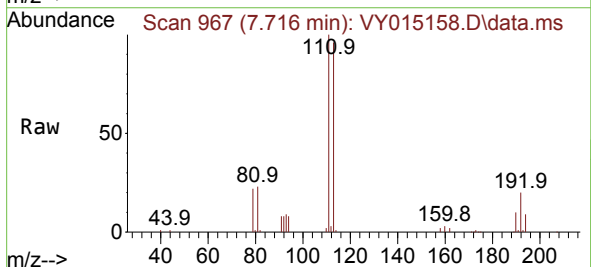
Tgt Ion:113 Resp: 68792

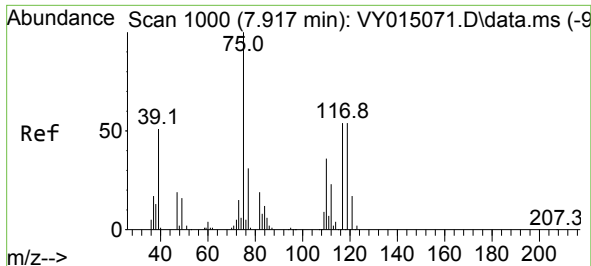
Ion Ratio Lower Upper

113 100

111 103.7 81.3 121.9

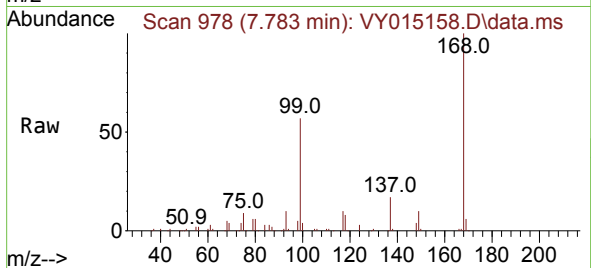
192 19.6 16.9 25.3



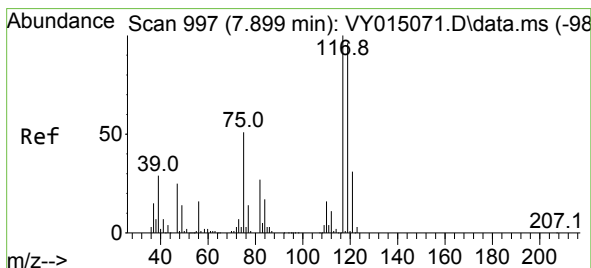
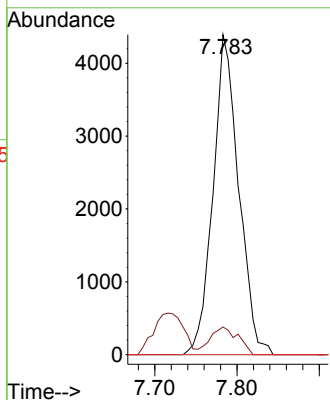
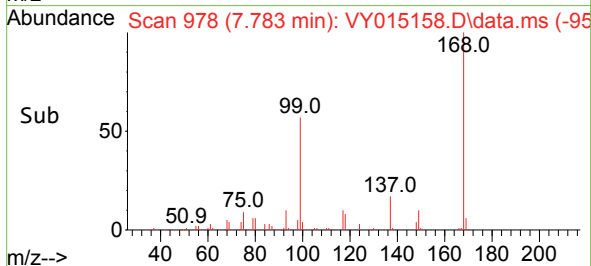


#36
 1,1-Dichloropropene
 Concen: 6.177 ug/l
 RT: 7.783 min Scan# 914
 Delta R.T. -0.128 min
 Lab File: VY015158.D
 Acq: 16 Aug 2023 18:27

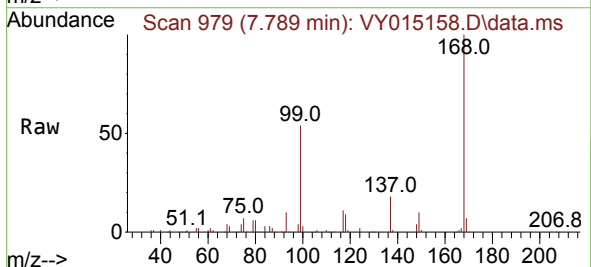
Instrument :
 MSVOA_Y
 ClientSampleId :



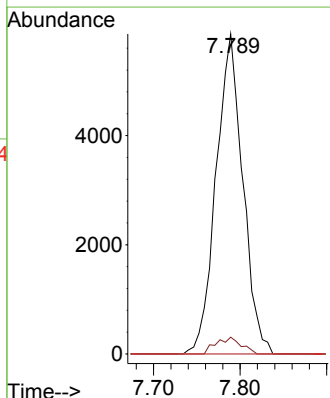
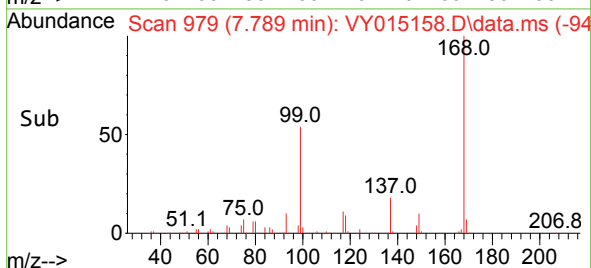
Tgt Ion: 75 Resp: 9514
 Ion Ratio Lower Upper
 75 100
 110 9.3 17.8 53.5#
 77 0.0 24.4 36.6#

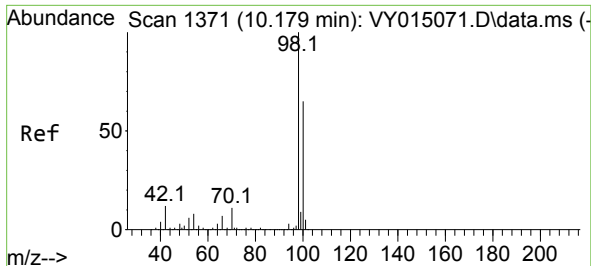


#38
 Carbon Tetrachloride
 Concen: 6.888 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.110 min
 Lab File: VY015158.D
 Acq: 16 Aug 2023 18:27



Tgt Ion: 117 Resp: 12555
 Ion Ratio Lower Upper
 117 100
 119 5.3 76.4 114.6#
 121 0.0 25.8 38.6#

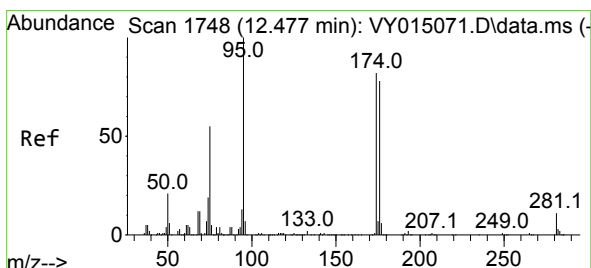
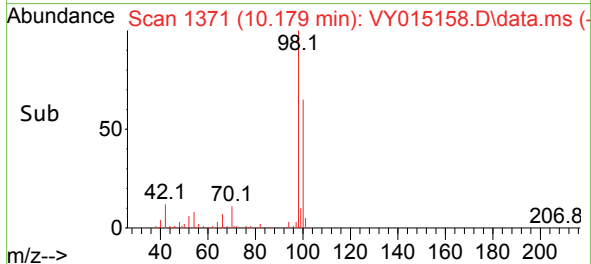
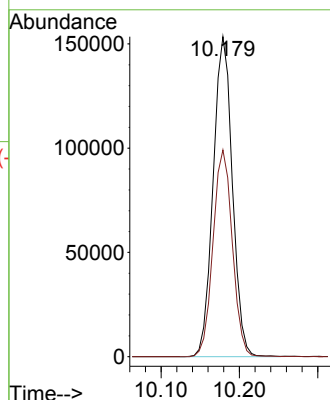
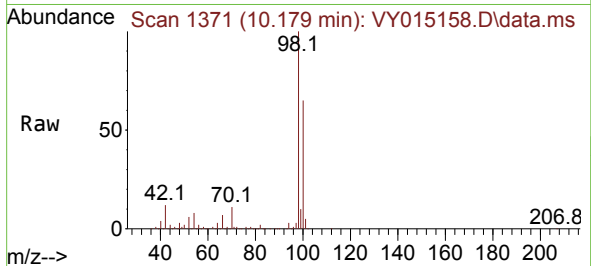




#50
Toluene-d8
Concen: 50.461 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015158.D
Acq: 16 Aug 2023 18:27

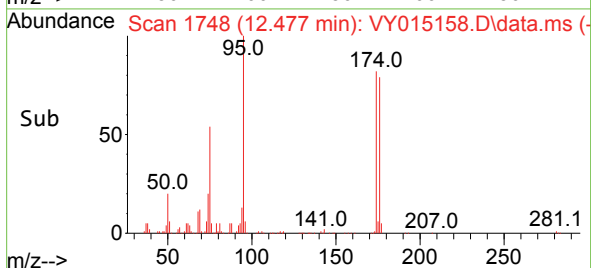
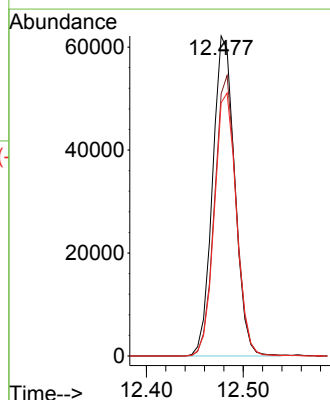
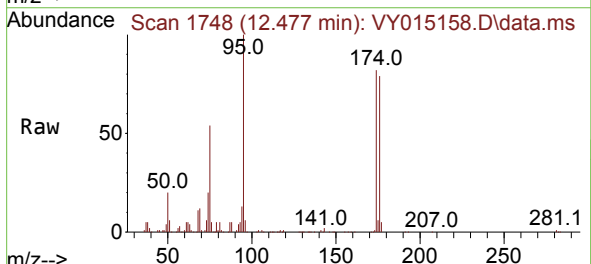
Instrument :
MSVOA_Y
ClientSampleId :

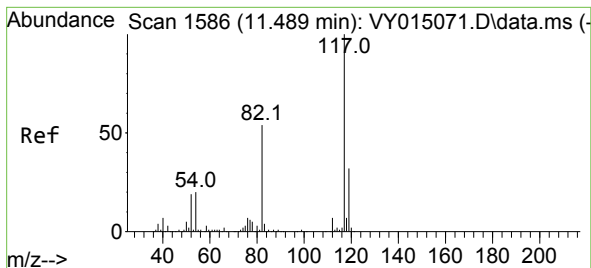
Tgt Ion: 98 Resp: 261506
Ion Ratio Lower Upper
98 100
100 64.9 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 52.134 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015158.D
Acq: 16 Aug 2023 18:27

Tgt Ion: 95 Resp: 98681
Ion Ratio Lower Upper
95 100
174 85.7 0.0 178.2
176 82.0 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: VY015158.D

Acq: 16 Aug 2023 18:27

Instrument :

MSVOA_Y

ClientSampleId :

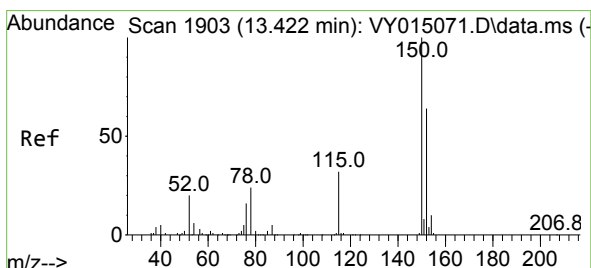
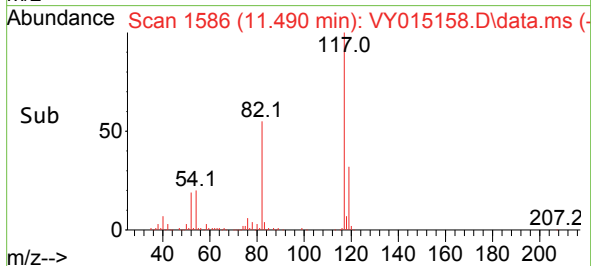
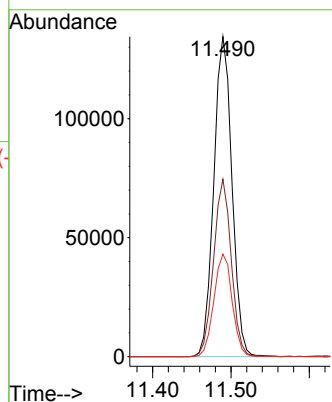
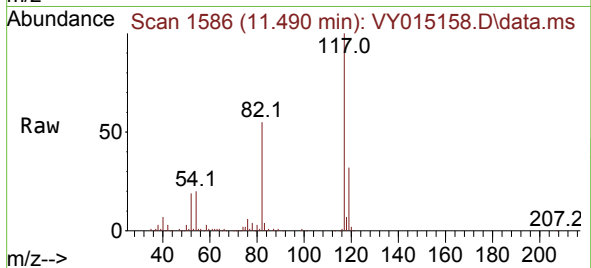
Tgt Ion:117 Resp: 217027

Ion Ratio Lower Upper

117 100

82 55.5 43.4 65.0

119 32.0 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: VY015158.D

Acq: 16 Aug 2023 18:27

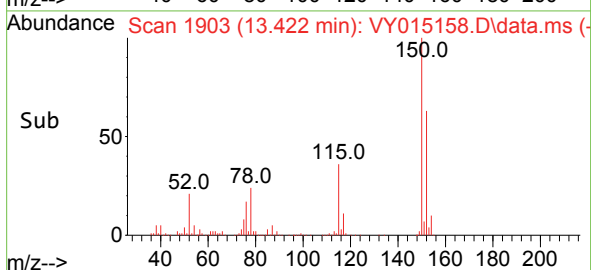
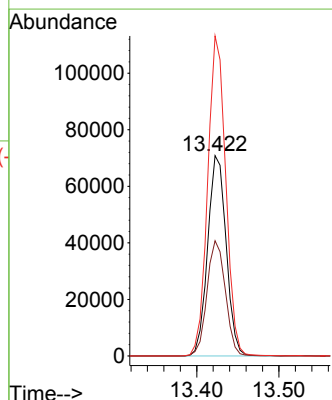
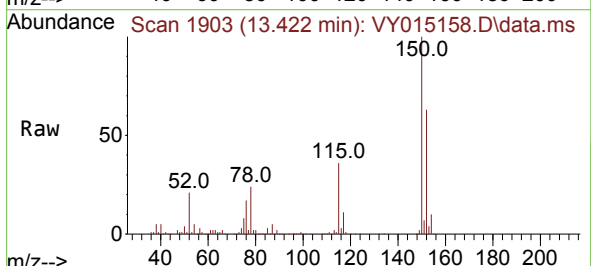
Tgt Ion:152 Resp: 110645

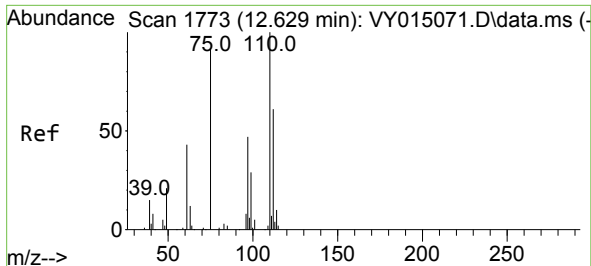
Ion Ratio Lower Upper

152 100

115 57.3 28.8 86.5

150 156.0 0.0 348.8

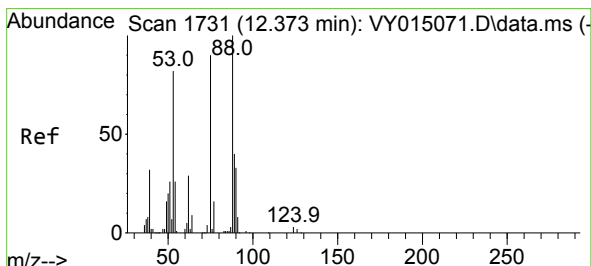
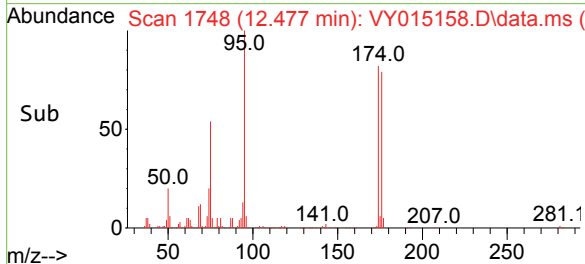
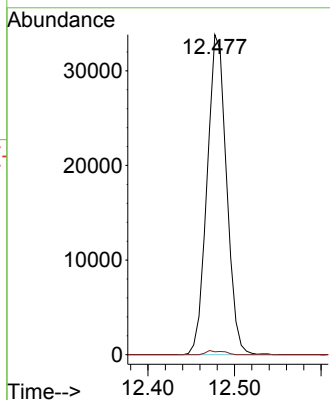
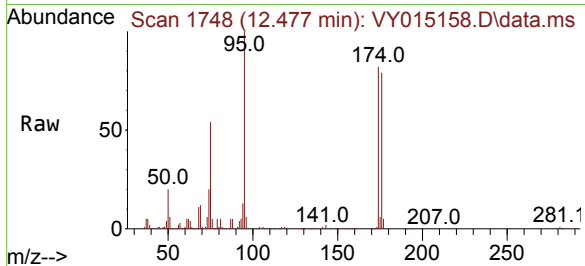




#76
1,2,3-Trichloropropane
Concen: 39.295 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015158.D
Acq: 16 Aug 2023 18:27

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 52822
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.310 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015158.D
Acq: 16 Aug 2023 18:27

Tgt Ion: 75 Resp: 52822
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

