

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081623\
 Data File : VY015143.D
 Acq On : 16 Aug 2023 12:32
 Operator : SY/MD
 Sample : 03985-03
 Misc : 6.63g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 17 05:28:53 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)

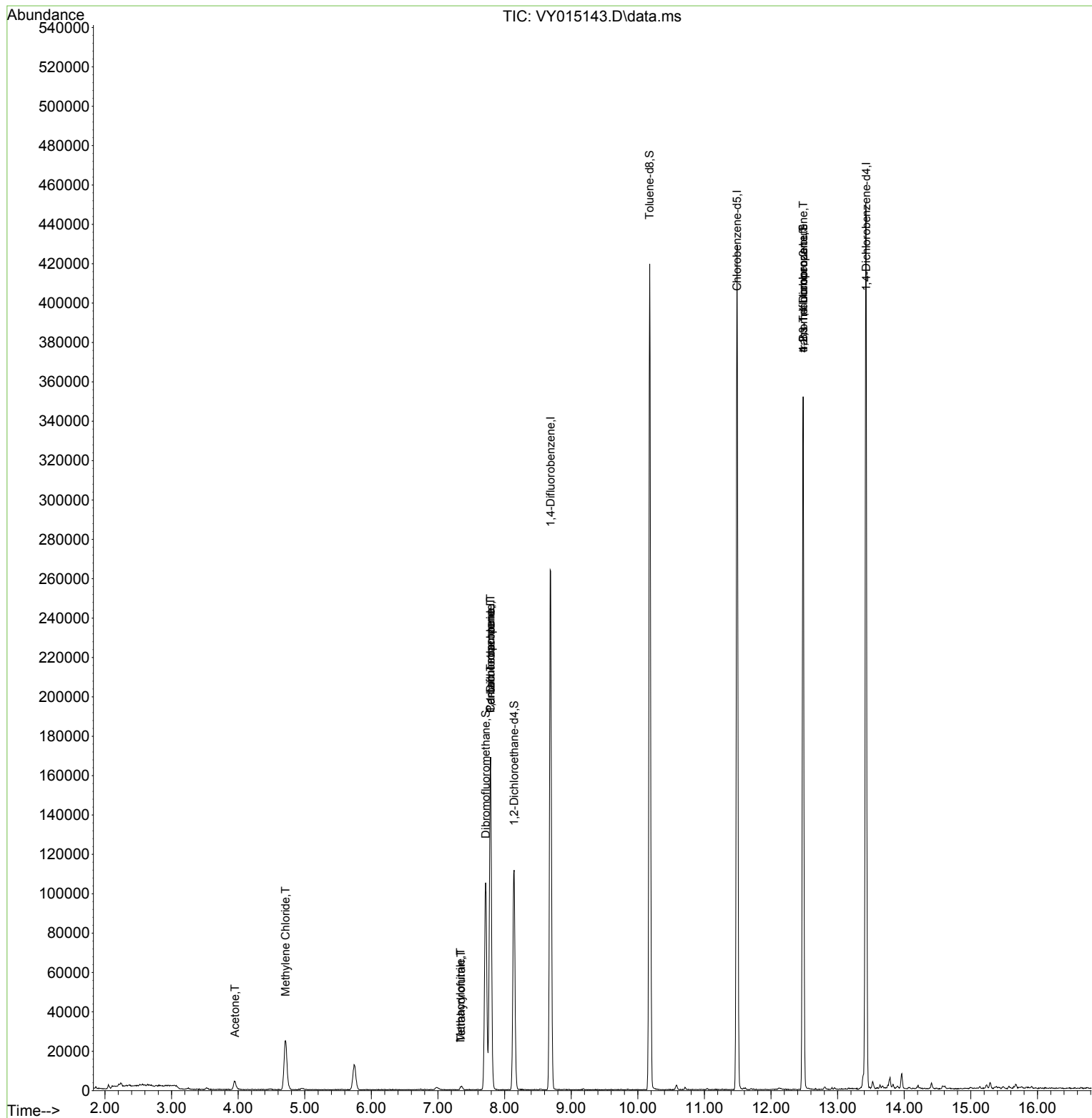
Internal Standards						
1) Pentafluorobenzene	7.789	168	131323	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	230173	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	226103	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	115741	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	88542	56.167	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.340%	
35) Dibromofluoromethane	7.716	113	74037	49.999	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.000%	
50) Toluene-d8	10.179	98	274543	49.805	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.620%	
62) 4-Bromofluorobenzene	12.483	95	104395	51.851	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.700%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	28	Below Cal	#	43
3) Chloromethane	2.107	50	265	Below Cal	#	87
5) Bromomethane	2.662	94	205	Below Cal		86
11) Tert butyl alcohol	4.948	59	754	Below Cal	#	84
13) Acrolein	3.717	56	21	Below Cal	#	14
16) Acetone	3.954	43	7761	15.070	ug/l	91
20) Methylene Chloride	4.710	84	18830	11.963	ug/l	89
29) Tetrahydrofuran	7.344	42	1255	2.878	ug/l #	62
31) Cyclohexane	7.789	56	2784	Below Cal	#	15
36) 1,1-Dichloropropene	7.789	75	9932	6.063	ug/l #	51
38) Carbon Tetrachloride	7.789	117	13543	6.985	ug/l #	15
41) Methacrylonitrile	7.338	41	788	1.001	ug/l #	43
76) 1,2,3-Trichloropropane	12.483	75	56585	40.241	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	56585	88.388	ug/l #	11

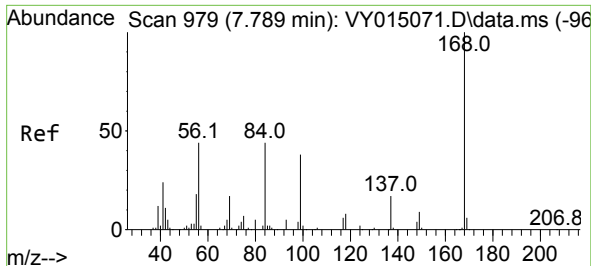
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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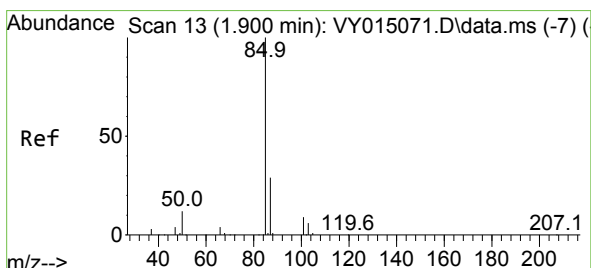
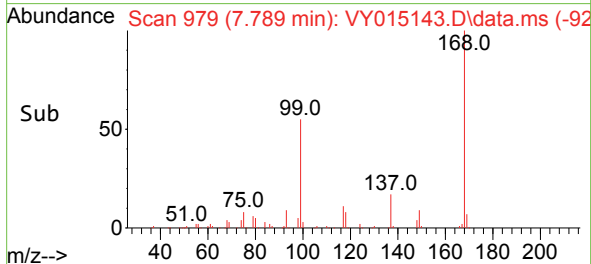
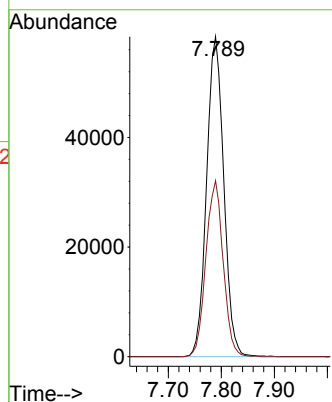
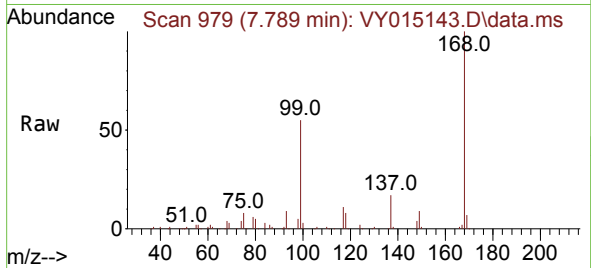




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015143.D
Acq: 16 Aug 2023 12:32

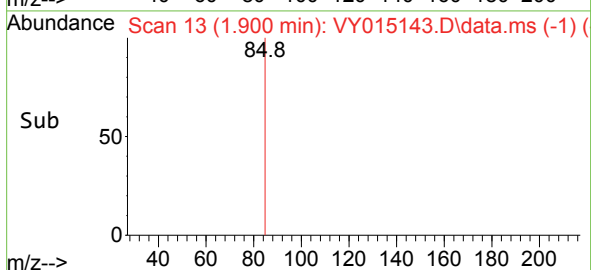
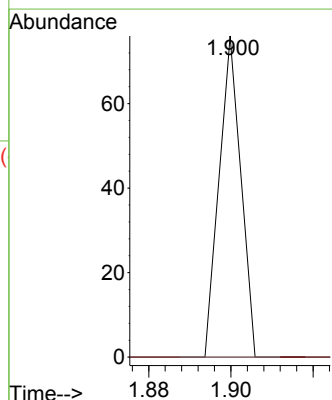
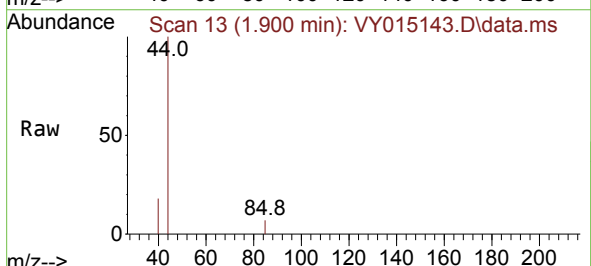
Instrument :
MSVOA_Y
ClientSampleId :

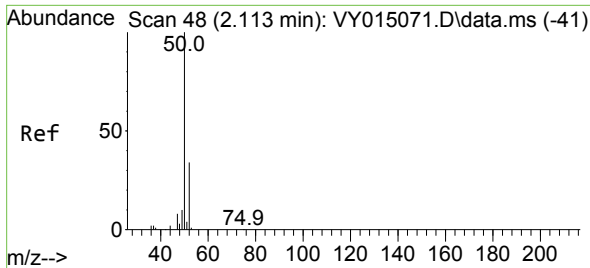
Tgt Ion:168 Resp: 131323
Ion Ratio Lower Upper
168 100
99 55.0 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY015143.D
Acq: 16 Aug 2023 12:32

Tgt Ion: 85 Resp: 28
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

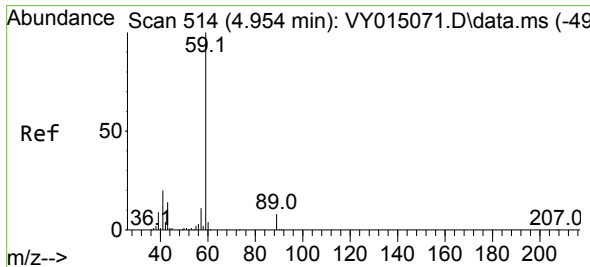
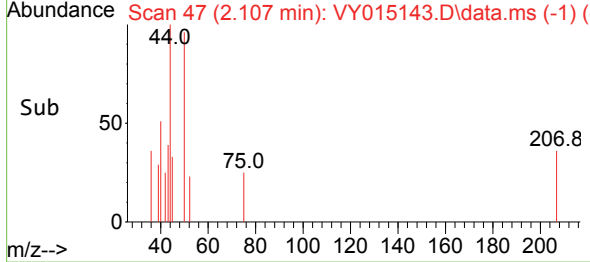
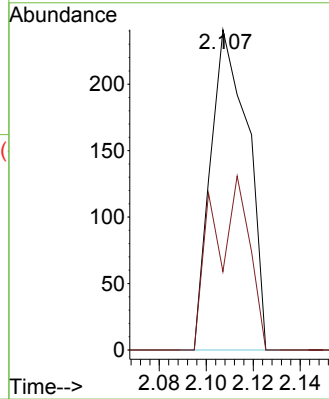
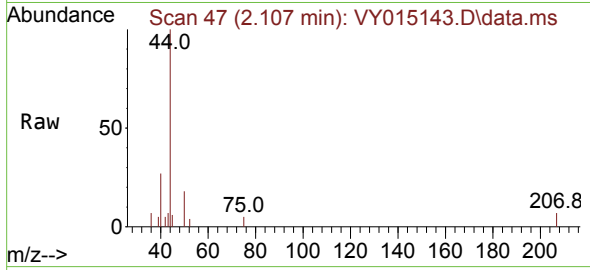




#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015143.D
Acq: 16 Aug 2023 12:32

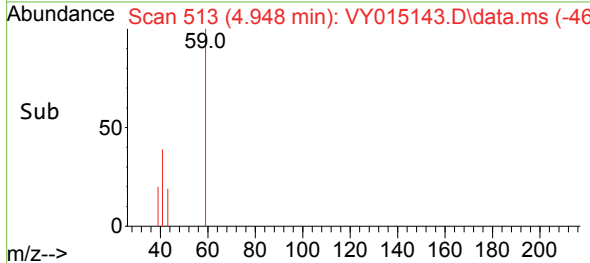
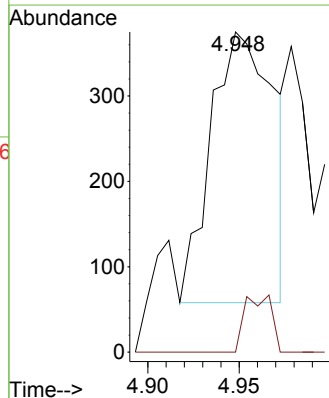
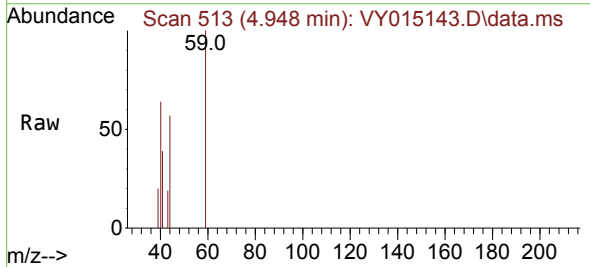
Instrument :
MSVOA_Y
ClientSampleId :

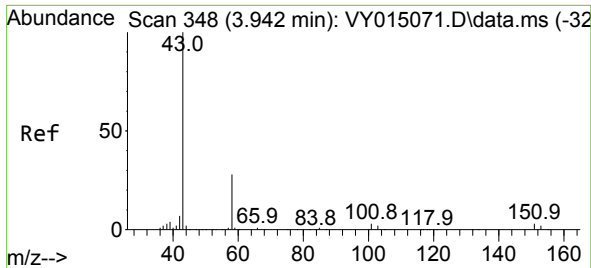
Tgt Ion: 50 Resp: 265
Ion Ratio Lower Upper
50 100
52 24.5 25.4 38.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. 0.000 min
Lab File: VY015143.D
Acq: 16 Aug 2023 12:32

Tgt Ion: 59 Resp: 754
Ion Ratio Lower Upper
59 100
57 9.0 3.0 4.4#





#16

Acetone

Concen: 15.070 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY015143.D

Acq: 16 Aug 2023 12:32

Instrument :

MSVOA_Y

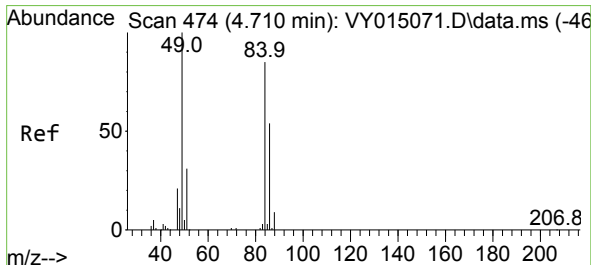
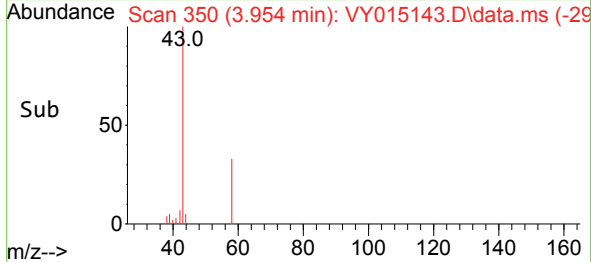
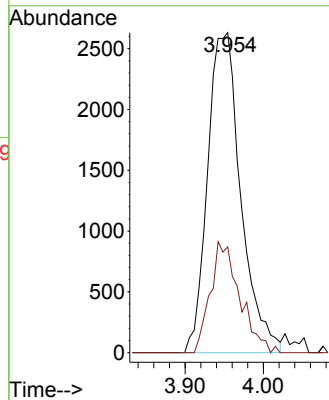
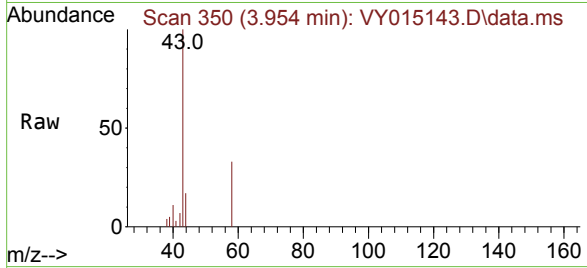
ClientSampleId :

Tgt Ion: 43 Resp: 7761

Ion Ratio Lower Upper

43 100

58 33.1 22.7 34.1



#20

Methylene Chloride

Concen: 11.963 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.000 min

Lab File: VY015143.D

Acq: 16 Aug 2023 12:32

Tgt Ion: 84 Resp: 18830

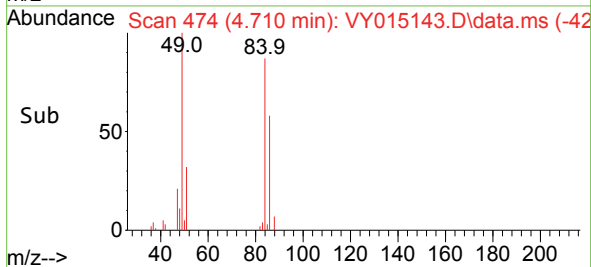
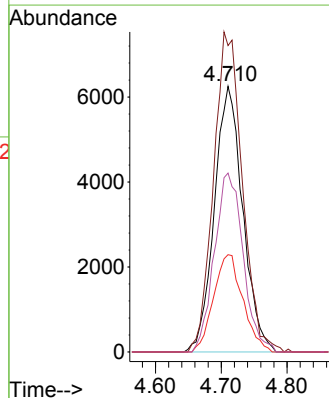
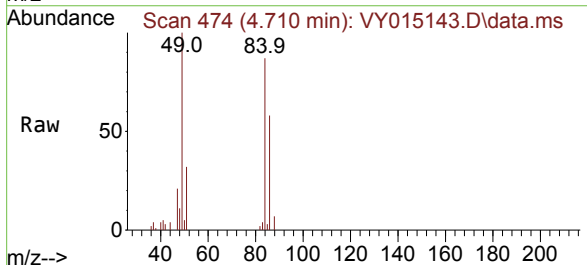
Ion Ratio Lower Upper

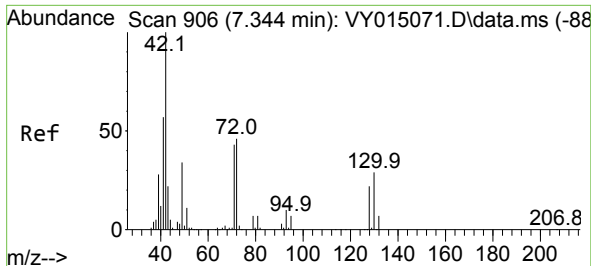
84 100

49 115.3 106.9 160.3

51 36.6 33.2 49.8

86 67.4 51.0 76.6





#29

Tetrahydrofuran

Concen: 2.878 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

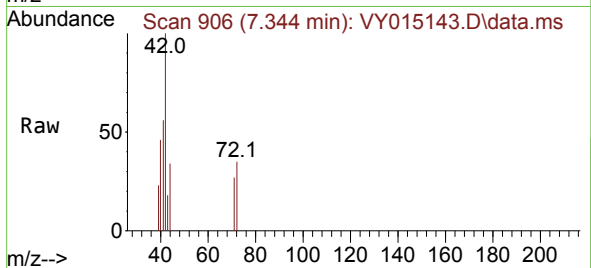
Lab File: VY015143.D

Acq: 16 Aug 2023 12:32

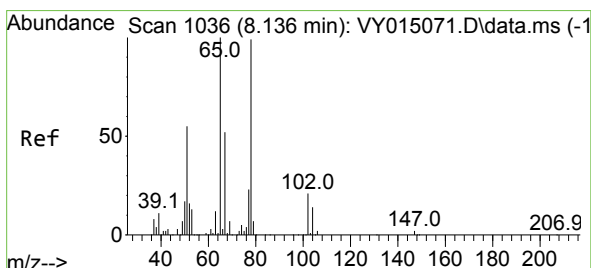
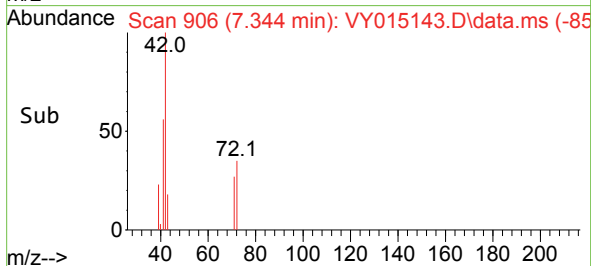
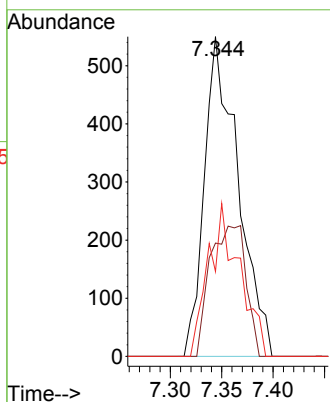
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	1255
Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.8	49.2#
71	44.0	31.0	46.4



#33

1,2-Dichloroethane-d4

Concen: 56.167 ug/l

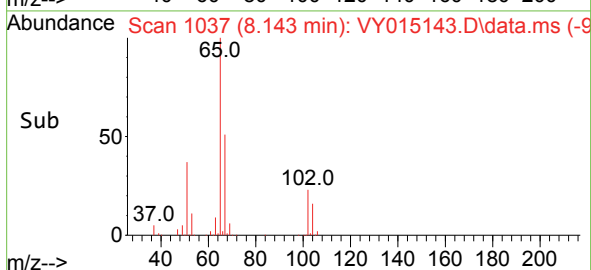
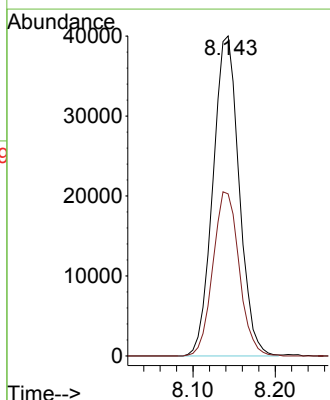
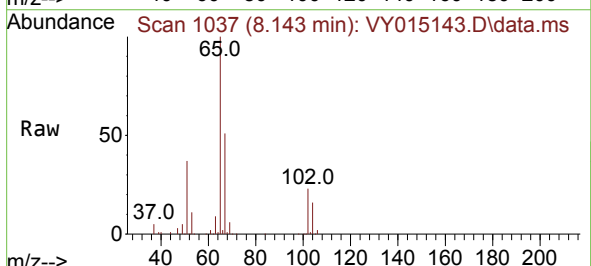
RT: 8.143 min Scan# 1037

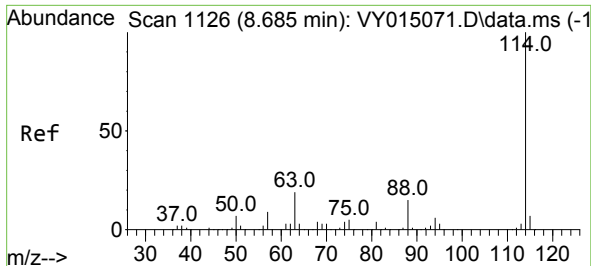
Delta R.T. 0.006 min

Lab File: VY015143.D

Acq: 16 Aug 2023 12:32

Tgt Ion:	65	Resp:	88542
Ion	Ratio	Lower	Upper
65	100		
67	51.4	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: VY015143.D

Acq: 16 Aug 2023 12:32

Instrument :

MSVOA_Y

ClientSampleId :

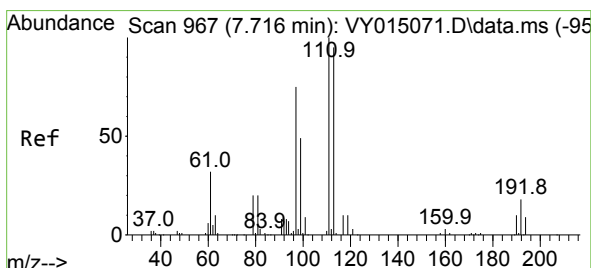
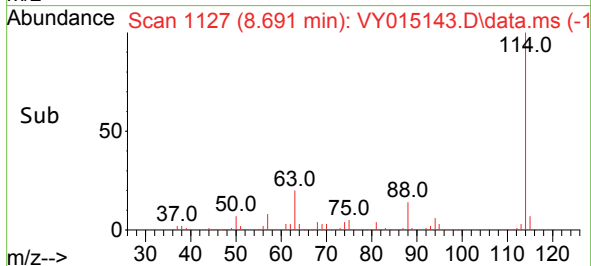
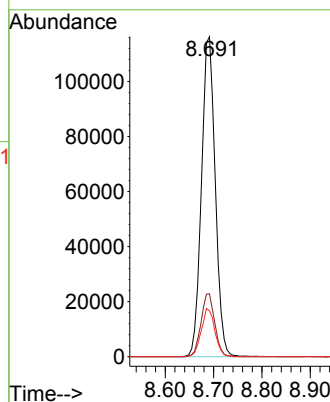
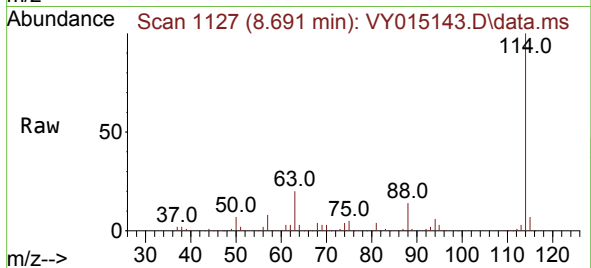
Tgt Ion:114 Resp: 230173

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.4

88 14.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.999 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY015143.D

Acq: 16 Aug 2023 12:32

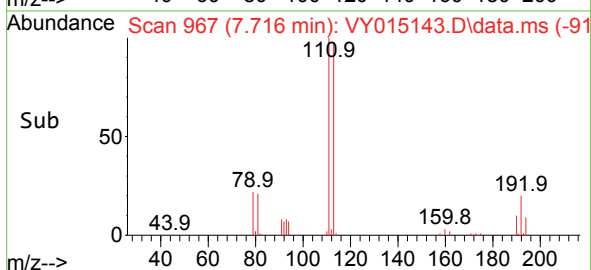
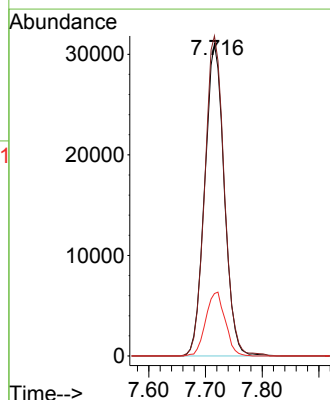
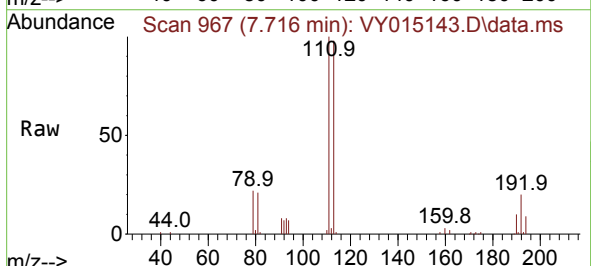
Tgt Ion:113 Resp: 74037

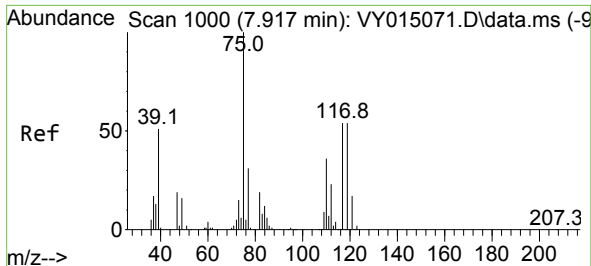
Ion Ratio Lower Upper

113 100

111 102.5 81.3 121.9

192 20.4 16.9 25.3





#36

1,1-Dichloropropene

Concen: 6.063 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

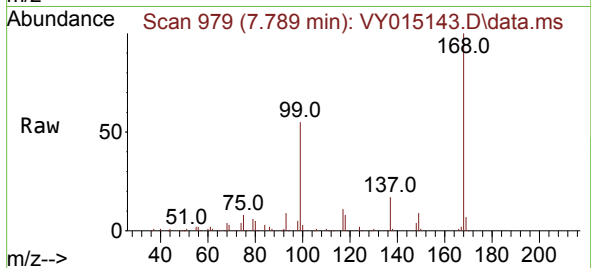
Lab File: VY015143.D

Acq: 16 Aug 2023 12:32

Instrument :

MSVOA_Y

ClientSampleId :



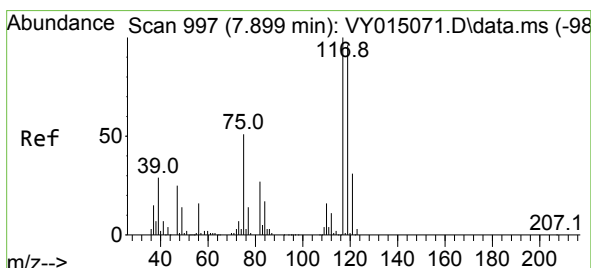
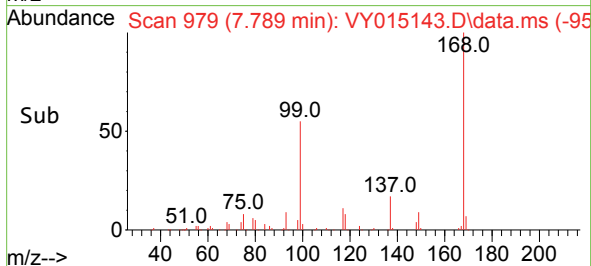
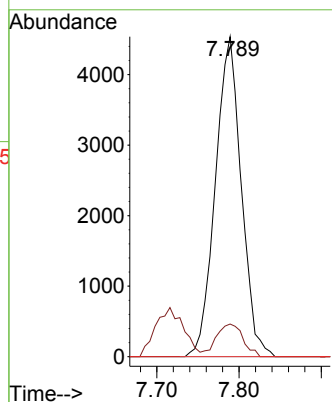
Tgt Ion: 75 Resp: 9932

Ion Ratio Lower Upper

75 100

110 10.6 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.985 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY015143.D

Acq: 16 Aug 2023 12:32

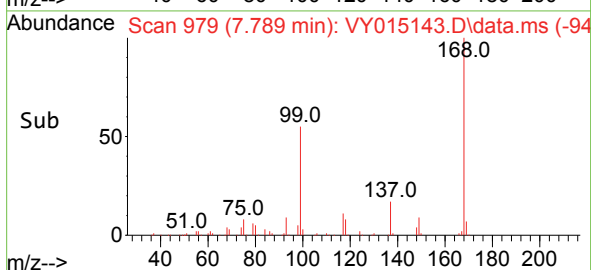
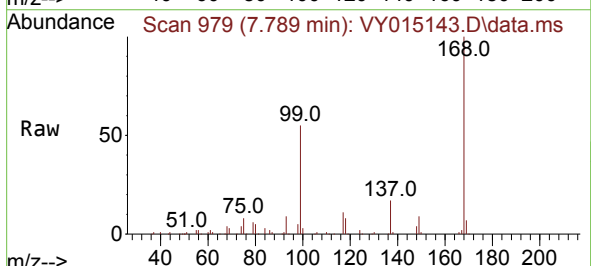
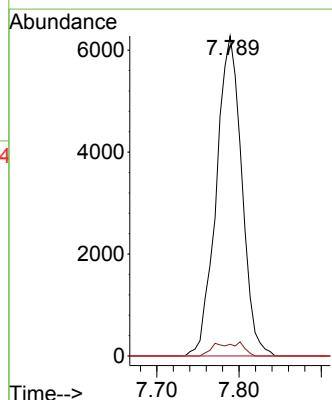
Tgt Ion: 117 Resp: 13543

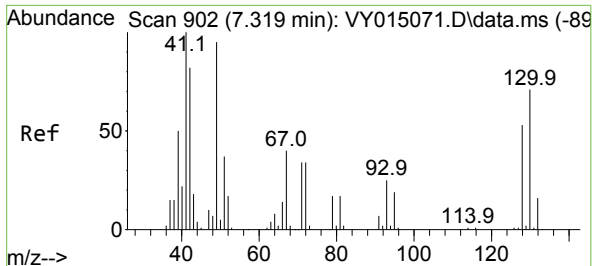
Ion Ratio Lower Upper

117 100

119 3.6 76.4 114.6#

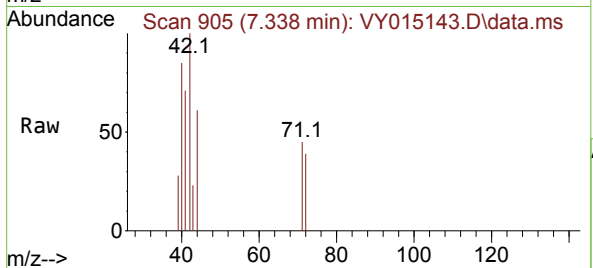
121 0.0 25.8 38.6#



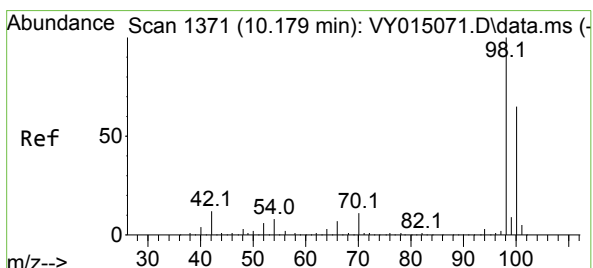
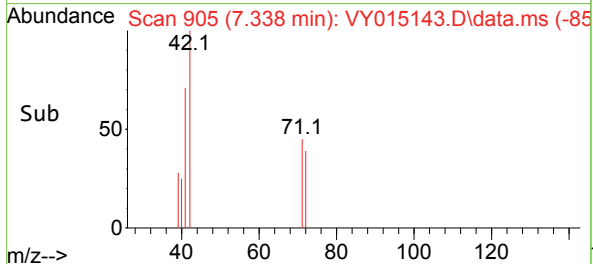
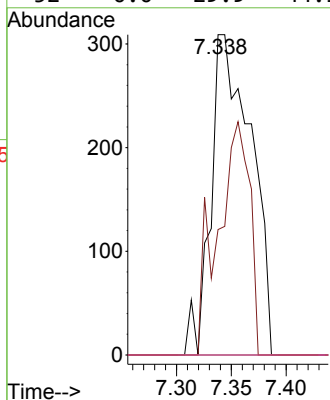


#41
Methacrylonitrile
Concen: 1.001 ug/l
RT: 7.338 min Scan# 902
Delta R.T. 0.031 min
Lab File: VY015143.D
Acq: 16 Aug 2023 12:32

Instrument :
MSVOA_Y
ClientSampleId :

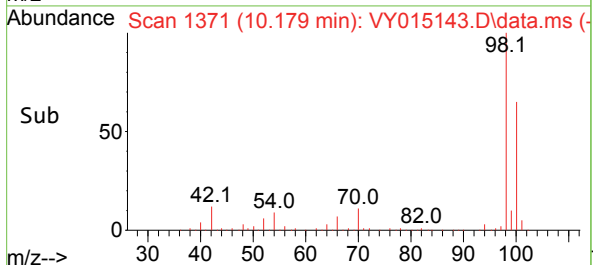
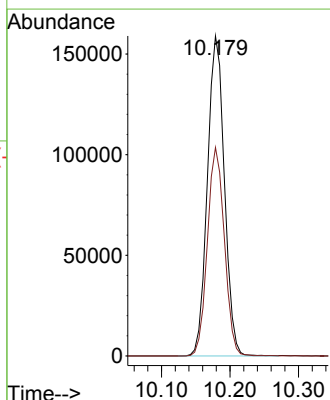
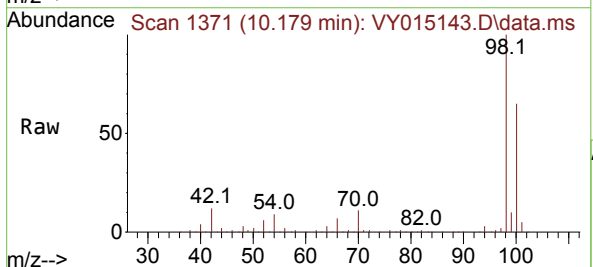


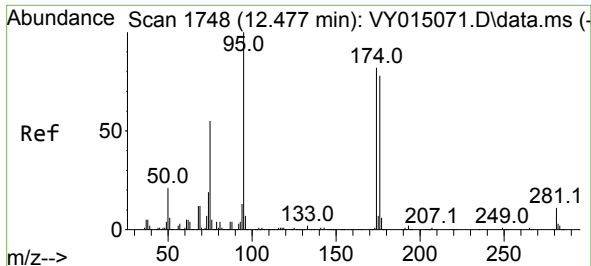
Tgt Ion: 41	Resp: 788
Ion Ratio	Lower Upper
41 100	
39 57.7	52.1 78.1
67 0.0	66.2 99.2#
52 0.0	29.9 44.9#



#50
Toluene-d8
Concen: 49.805 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015143.D
Acq: 16 Aug 2023 12:32

Tgt Ion: 98	Resp: 274543
Ion Ratio	Lower Upper
98 100	
100 65.0	50.1 75.1

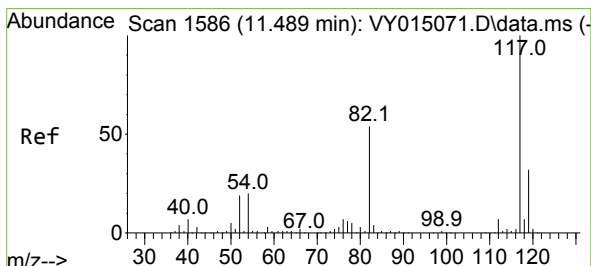
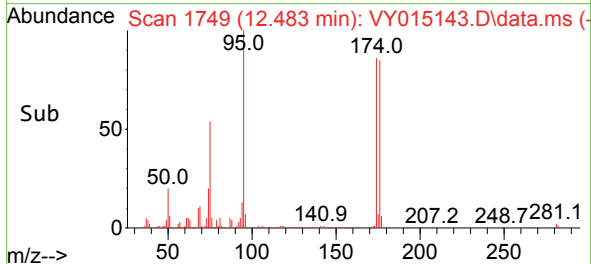
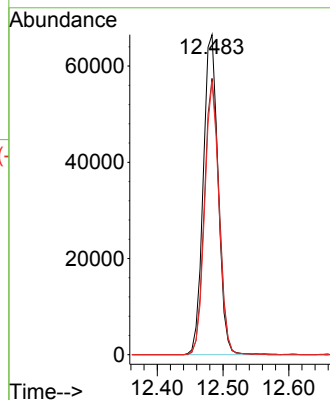
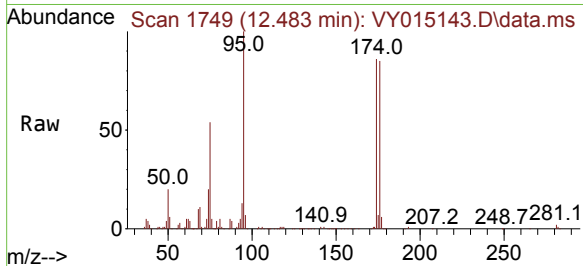




#62
4-Bromofluorobenzene
Concen: 51.851 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015143.D
Acq: 16 Aug 2023 12:32

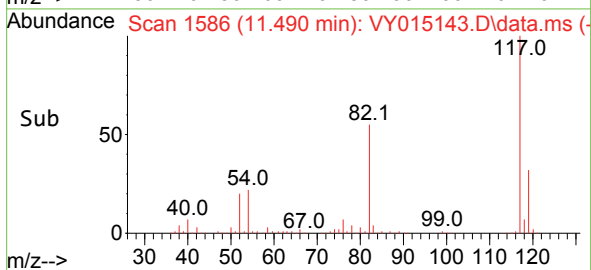
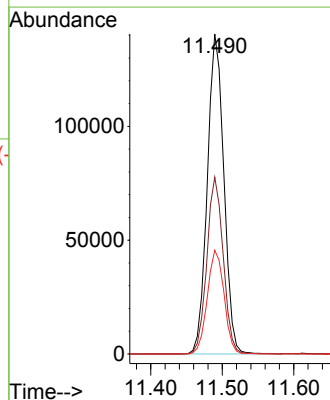
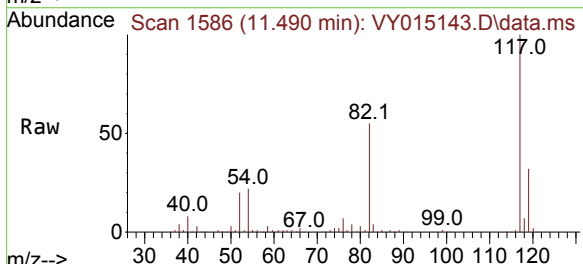
Instrument :
MSVOA_Y
ClientSampleId :

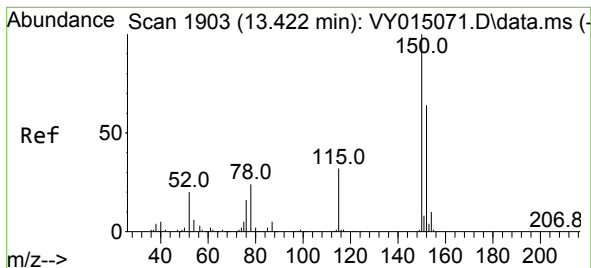
Tgt Ion: 95 Resp: 104395
Ion Ratio Lower Upper
95 100
174 86.0 0.0 178.2
176 82.3 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015143.D
Acq: 16 Aug 2023 12:32

Tgt Ion: 117 Resp: 226103
Ion Ratio Lower Upper
117 100
82 55.3 43.4 65.0
119 32.4 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY015143.D

Acq: 16 Aug 2023 12:32

Instrument :

MSVOA_Y

ClientSampleId :

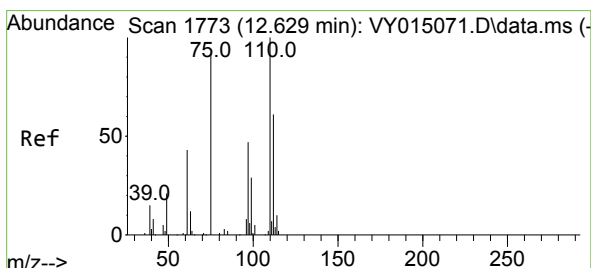
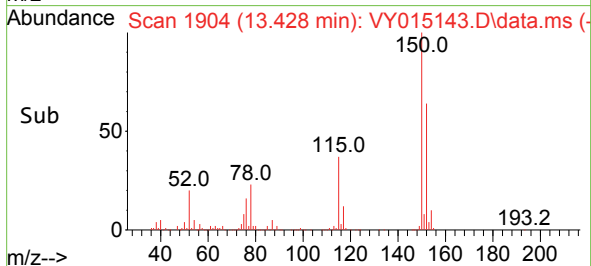
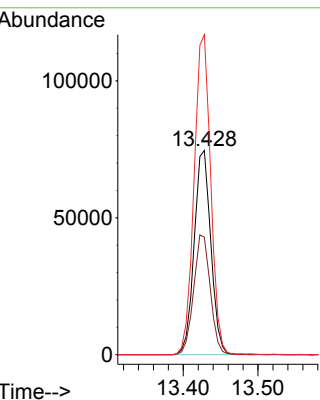
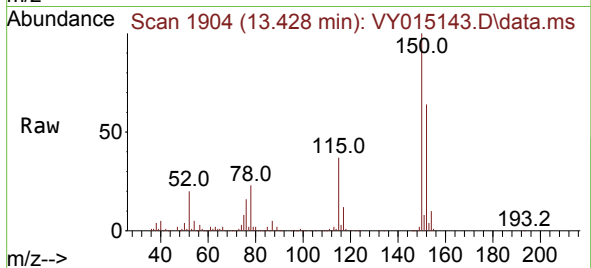
Tgt Ion:152 Resp: 115741

Ion Ratio Lower Upper

152 100

115 58.4 28.8 86.5

150 155.7 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 40.241 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015143.D

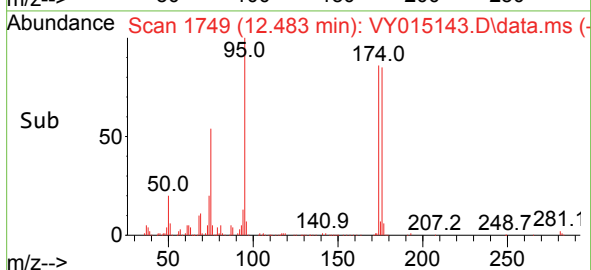
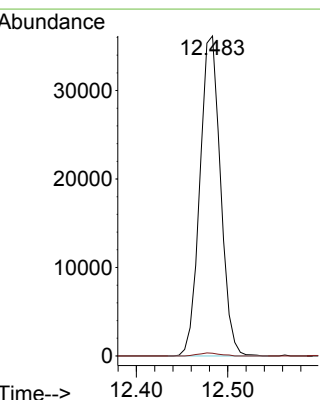
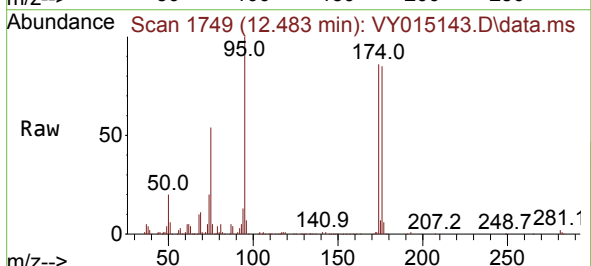
Acq: 16 Aug 2023 12:32

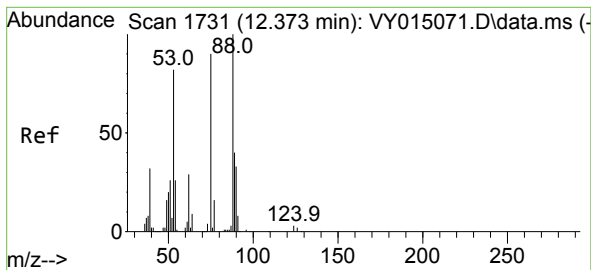
Tgt Ion: 75 Resp: 56585

Ion Ratio Lower Upper

75 100

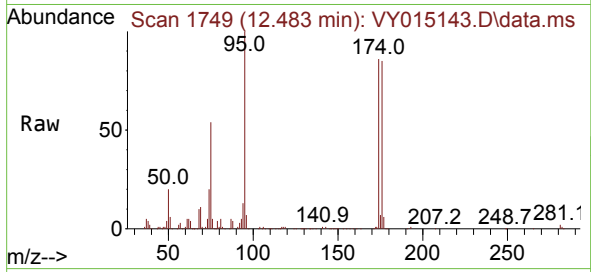
77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.388 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY015143.D
 Acq: 16 Aug 2023 12:32

Instrument :
 MSVOA_Y
 ClientSampleId :



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

