

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081623\
 Data File : VY015153.D
 Acq On : 16 Aug 2023 16:29
 Operator : SY/MD
 Sample : 04022-01
 Misc : 4.64g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 17 05:31:06 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)

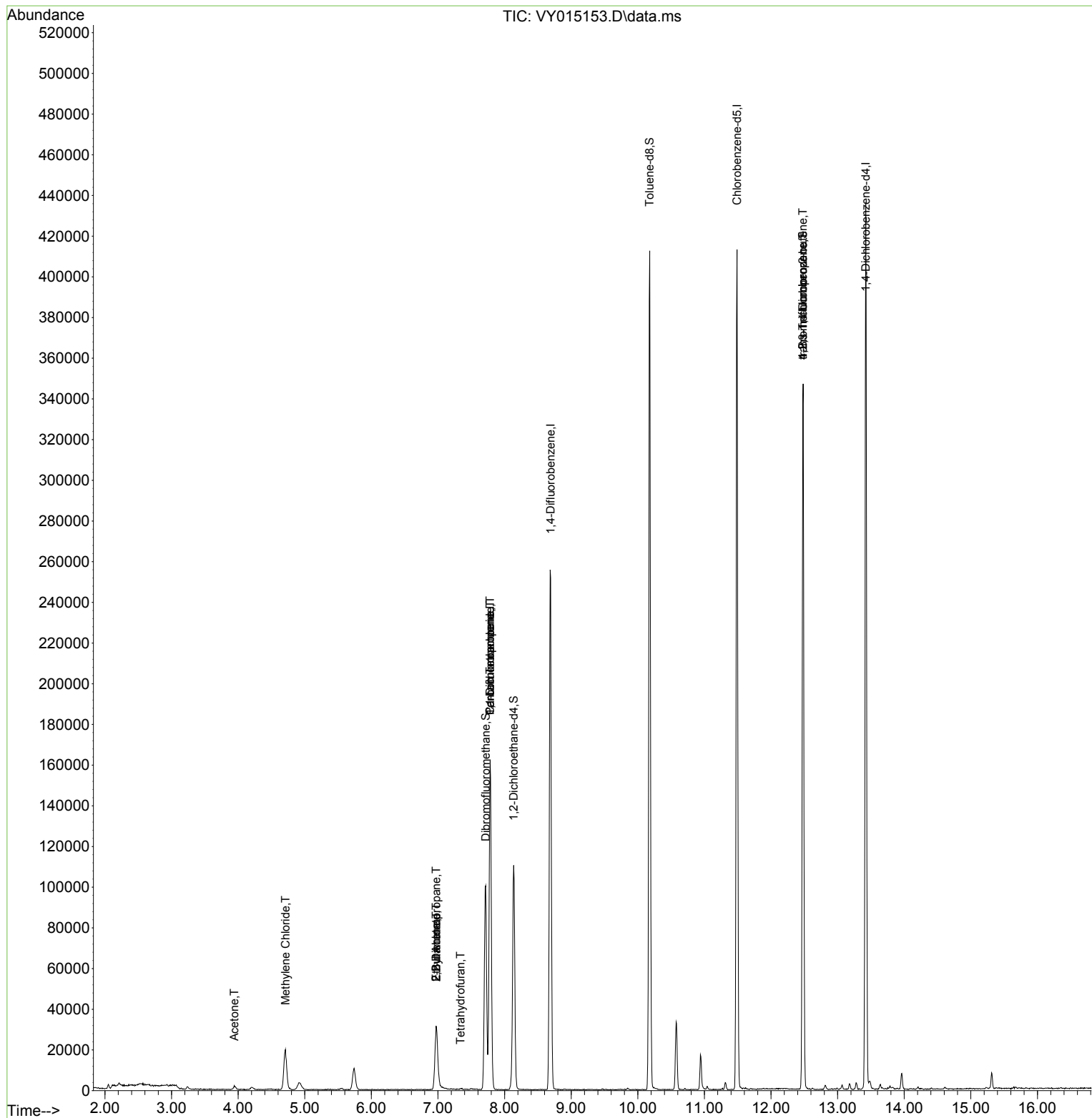
Internal Standards						
1) Pentafluorobenzene	7.783	168	126721	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	223522	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	221096	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	109743	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	84912	55.820	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.640%	
35) Dibromofluoromethane	7.716	113	71783	49.919	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.840%	
50) Toluene-d8	10.179	98	265935	49.679	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.360%	
62) 4-Bromofluorobenzene	12.477	95	99819	51.054	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.100%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.894	85	84	Below Cal	#	43
3) Chloromethane	2.107	50	224	Below Cal	#	76
5) Bromomethane	2.656	94	226	Below Cal		84
11) Tert butyl alcohol	4.911	59	1986	Below Cal	#	89
16) Acetone	3.942	43	2972	5.981	ug/l #	81
20) Methylene Chloride	4.710	84	14856	8.919	ug/l	89
25) 2-Butanone	6.972	43	1880	2.672	ug/l #	67
26) 2,2-Dichloropropane	6.972	77	2520	1.238	ug/l #	54
29) Tetrahydrofuran	7.338	42	425	1.010	ug/l #	35
31) Cyclohexane	7.783	56	2682	Below Cal	#	3
36) 1,1-Dichloropropene	7.783	75	9886	6.214	ug/l #	51
37) Ethyl Acetate	6.972	43	1880	1.268	ug/l #	1
38) Carbon Tetrachloride	7.783	117	12447	6.611	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	54548	40.912	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	54548	89.863	ug/l #	11

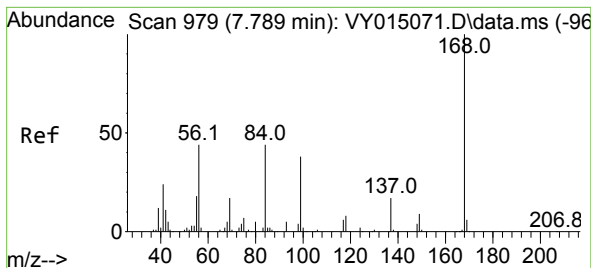
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081623\
Data File : VY015153.D
Acq On : 16 Aug 2023 16:29
Operator : SY/MD
Sample : 04022-01
Misc : 4.64g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Aug 17 05:31:06 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY015153.D

Acq: 16 Aug 2023 16:29

Instrument :

MSVOA_Y

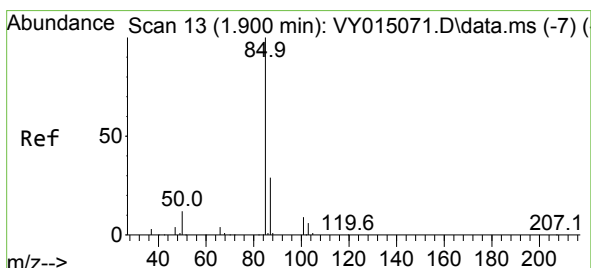
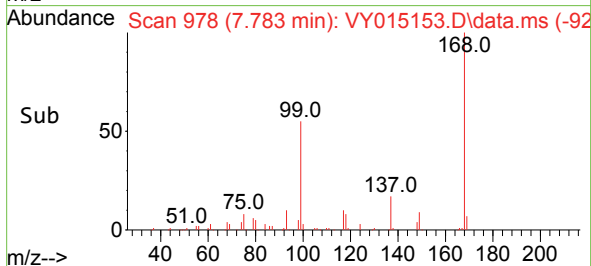
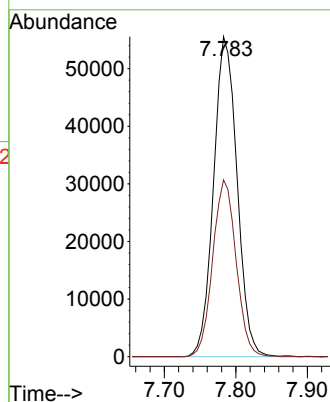
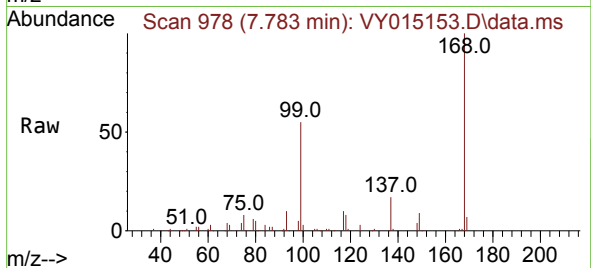
ClientSampleId :

Tgt Ion:168 Resp: 126721

Ion Ratio Lower Upper

168 100

99 55.2 43.4 65.0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.894 min Scan# 12

Delta R.T. -0.006 min

Lab File: VY015153.D

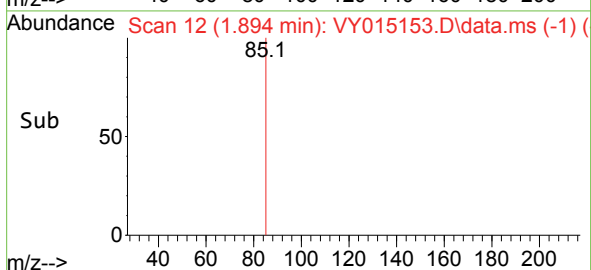
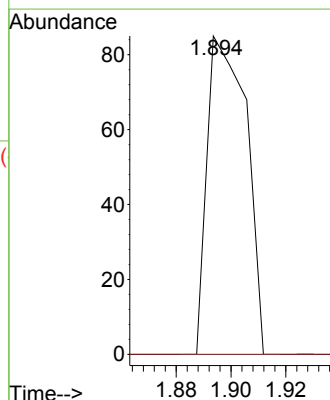
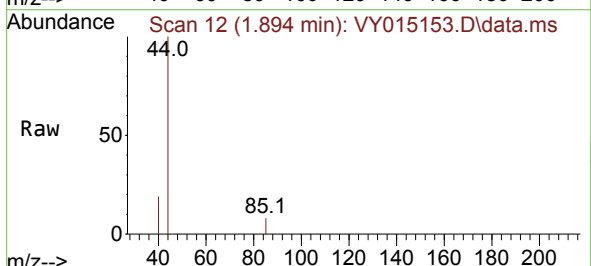
Acq: 16 Aug 2023 16:29

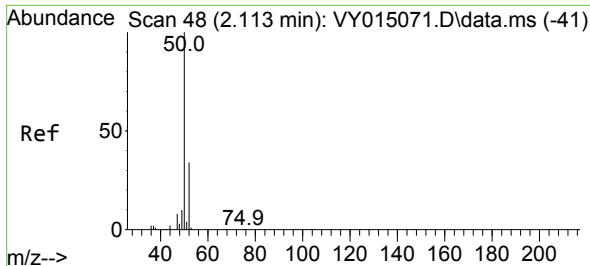
Tgt Ion: 85 Resp: 84

Ion Ratio Lower Upper

85 100

87 0.0 15.6 46.8#

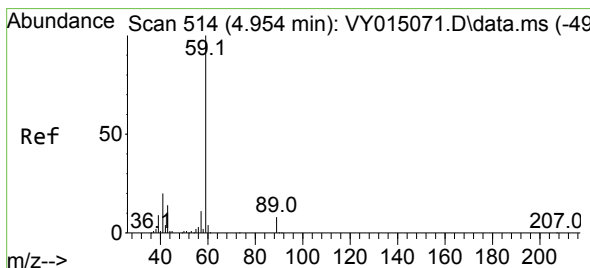
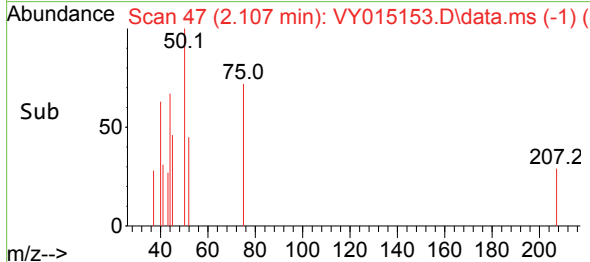
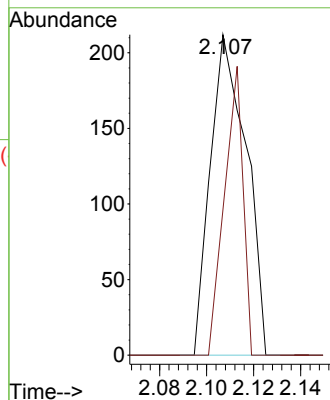
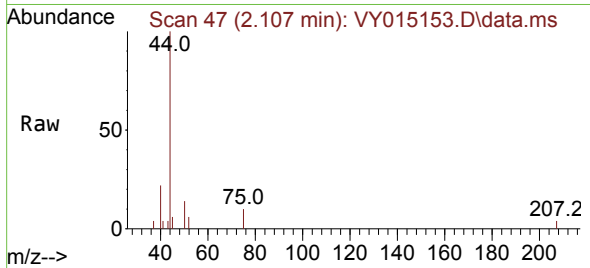




#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY015153.D
Acq: 16 Aug 2023 16:29

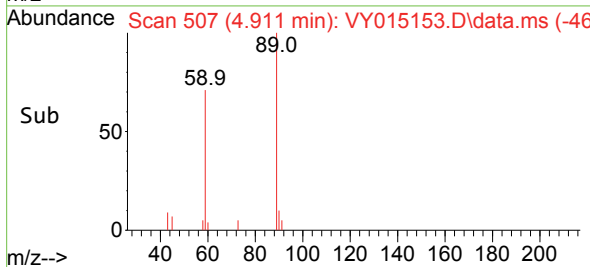
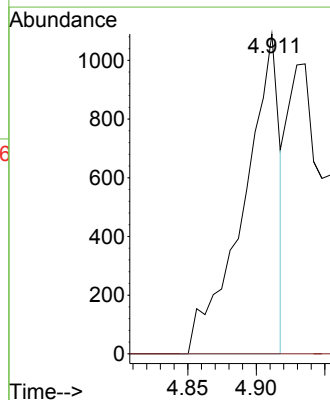
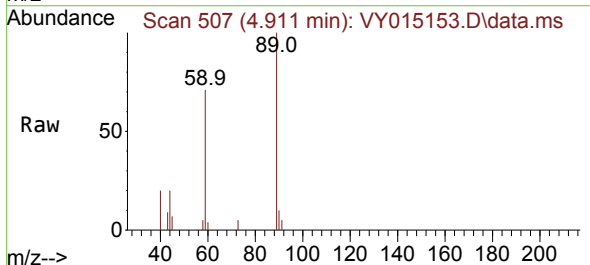
Instrument :
MSVOA_Y
ClientSampleId :

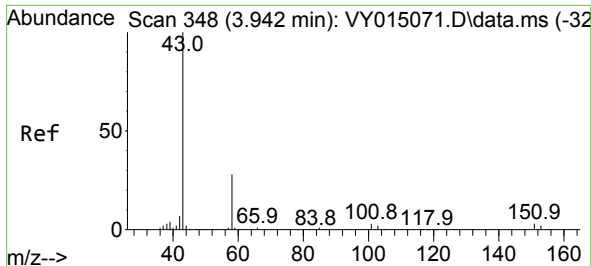
Tgt Ion: 50 Resp: 224
Ion Ratio Lower Upper
50 100
52 45.3 25.4 38.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.911 min Scan# 507
Delta R.T. -0.037 min
Lab File: VY015153.D
Acq: 16 Aug 2023 16:29

Tgt Ion: 59 Resp: 1986
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

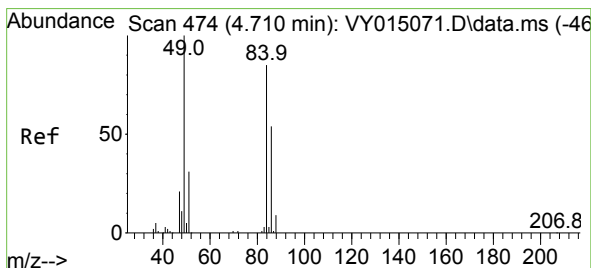
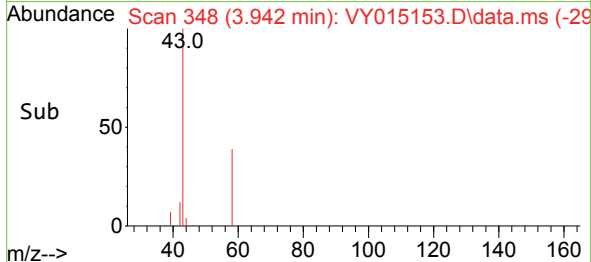
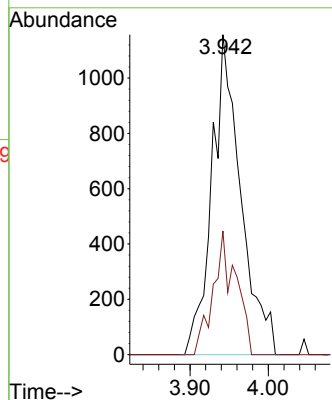
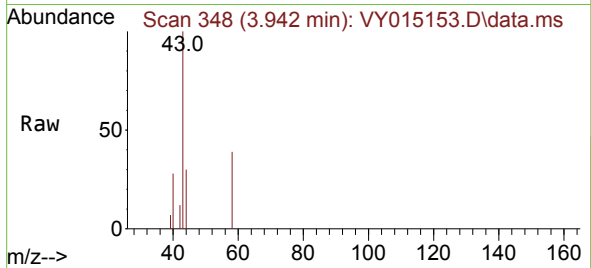




#16
Acetone
Concen: 5.981 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY015153.D
Acq: 16 Aug 2023 16:29

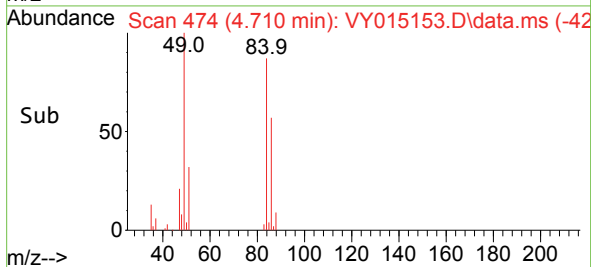
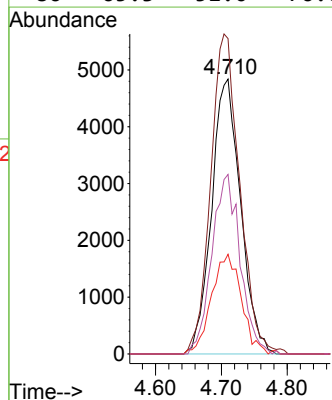
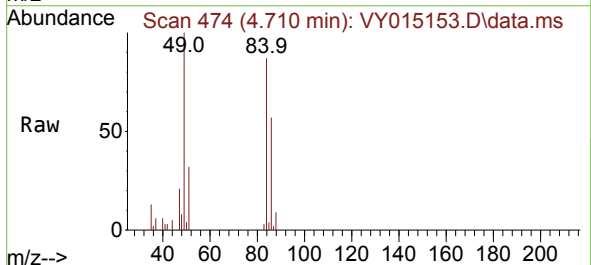
Instrument :
MSVOA_Y
ClientSampleId :

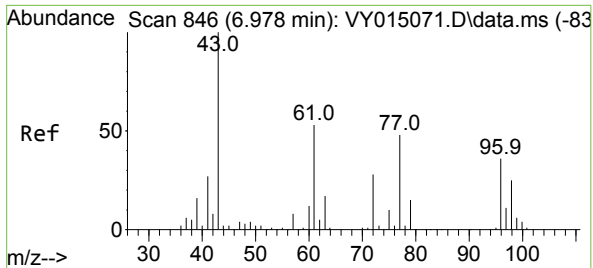
Tgt Ion: 43 Resp: 2972
Ion Ratio Lower Upper
43 100
58 38.6 22.7 34.1#



#20
Methylene Chloride
Concen: 8.919 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY015153.D
Acq: 16 Aug 2023 16:29

Tgt Ion: 84 Resp: 14856
Ion Ratio Lower Upper
84 100
49 114.8 106.9 160.3
51 36.3 33.2 49.8
86 65.3 51.0 76.6





#25

2-Butanone

Concen: 2.672 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY015153.D

Acq: 16 Aug 2023 16:29

Instrument :

MSVOA_Y

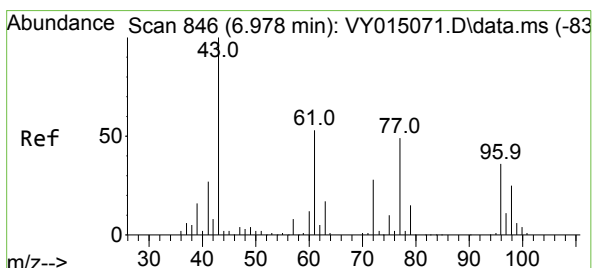
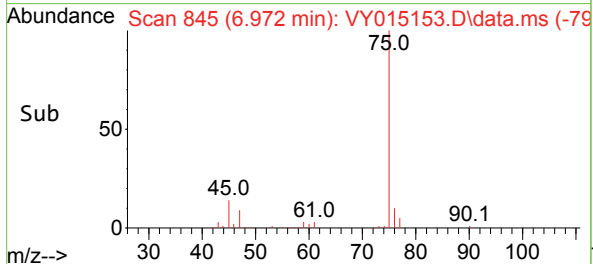
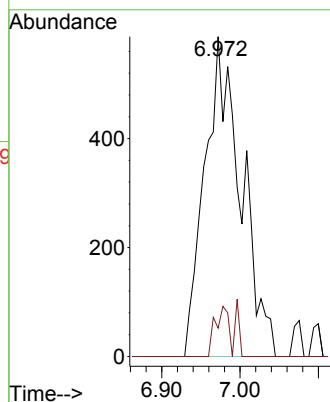
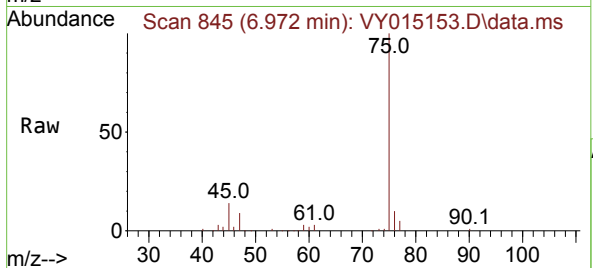
ClientSampleId :

Tgt Ion: 43 Resp: 1880

Ion Ratio Lower Upper

43 100

72 8.9 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 1.238 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.000 min

Lab File: VY015153.D

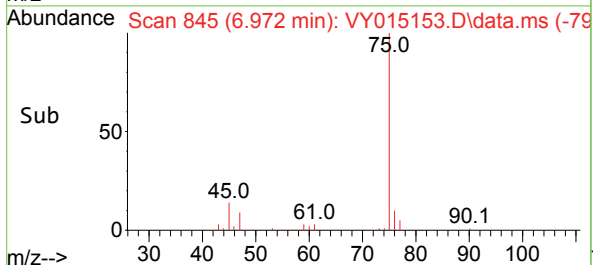
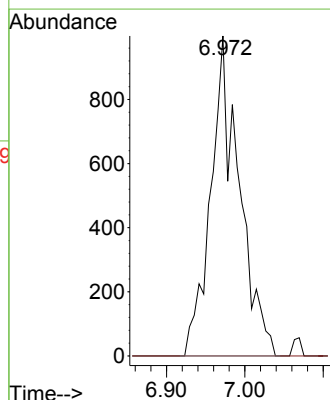
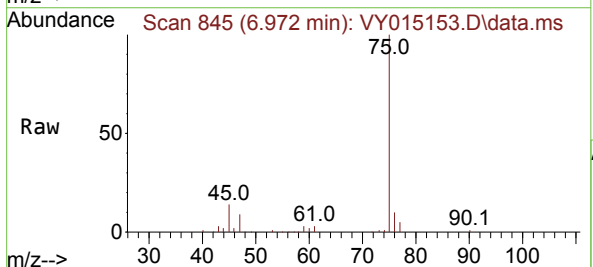
Acq: 16 Aug 2023 16:29

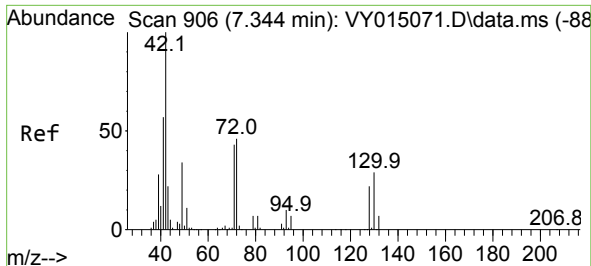
Tgt Ion: 77 Resp: 2520

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#





#29

Tetrahydrofuran

Concen: 1.010 ug/l

RT: 7.338 min Scan# 906

Delta R.T. -0.006 min

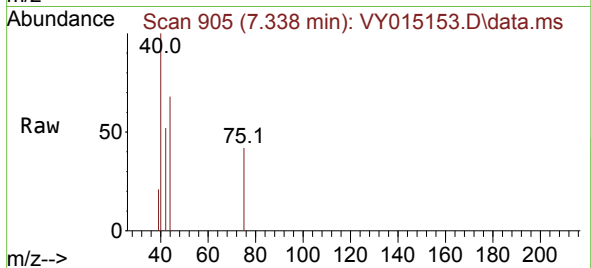
Lab File: VY015153.D

Acq: 16 Aug 2023 16:29

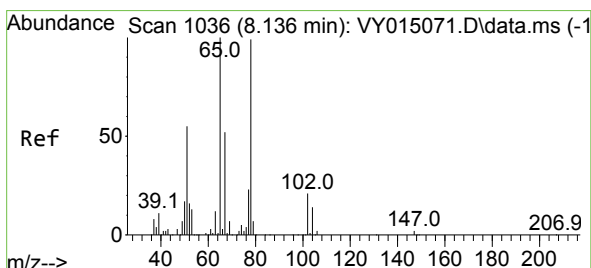
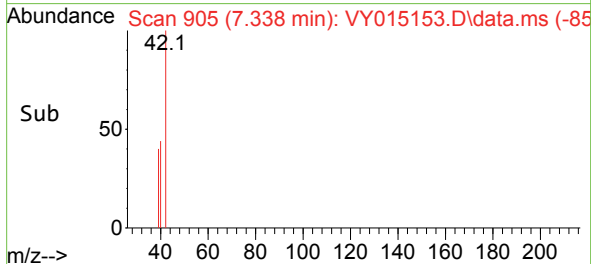
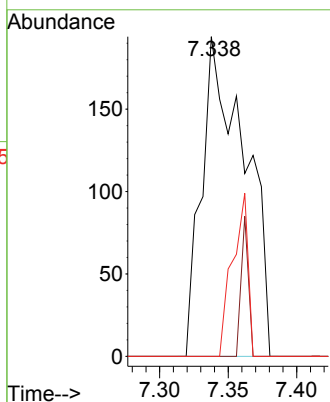
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	425
Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.8	49.2#
71	0.0	31.0	46.4#



#33

1,2-Dichloroethane-d4

Concen: 55.820 ug/l

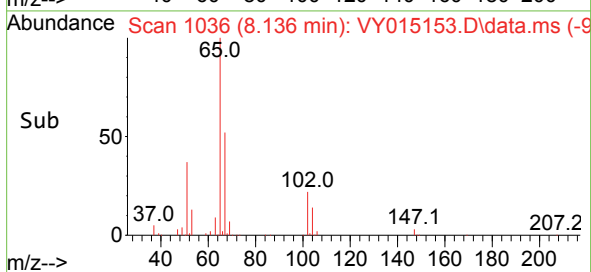
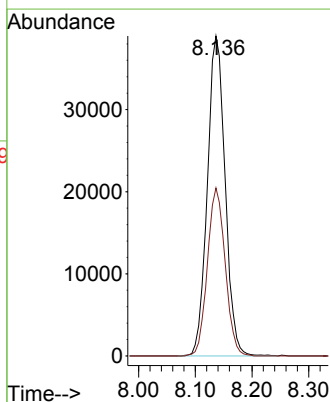
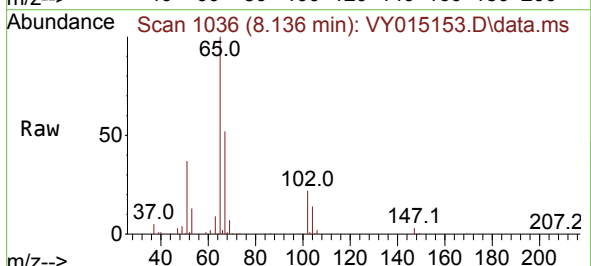
RT: 8.136 min Scan# 1036

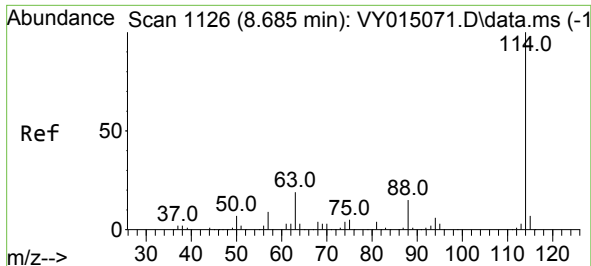
Delta R.T. -0.000 min

Lab File: VY015153.D

Acq: 16 Aug 2023 16:29

Tgt Ion:	65	Resp:	84912
Ion	Ratio	Lower	Upper
65	100		
67	52.4	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: VY015153.D

Acq: 16 Aug 2023 16:29

Instrument :

MSVOA_Y

ClientSampleId :

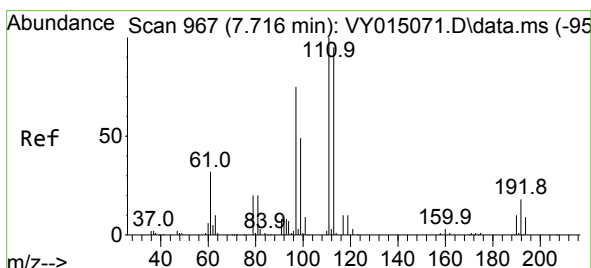
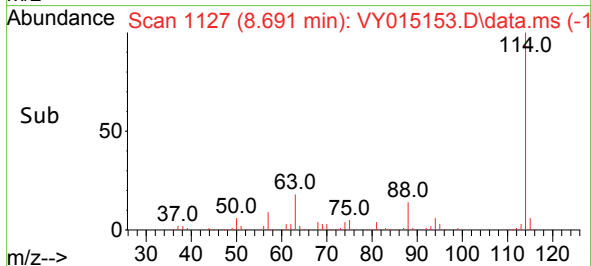
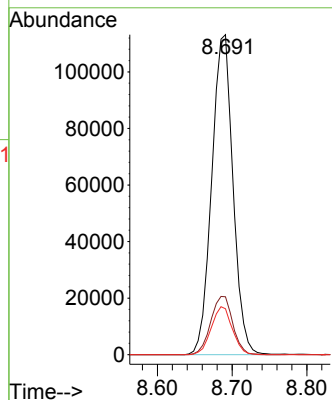
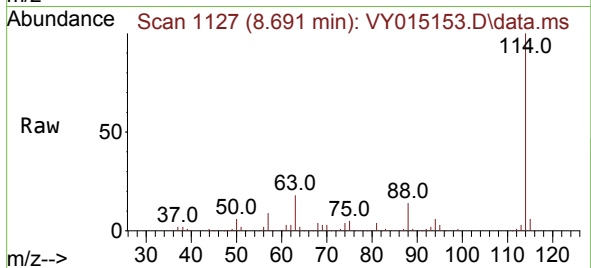
Tgt Ion:114 Resp: 223522

Ion Ratio Lower Upper

114 100

63 18.1 0.0 42.4

88 14.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.919 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY015153.D

Acq: 16 Aug 2023 16:29

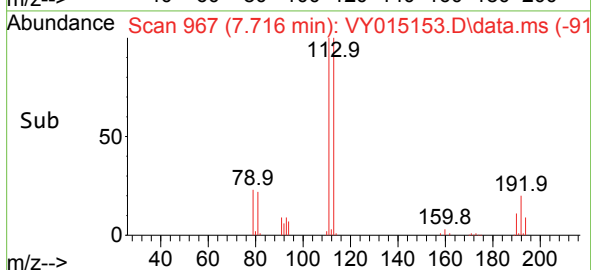
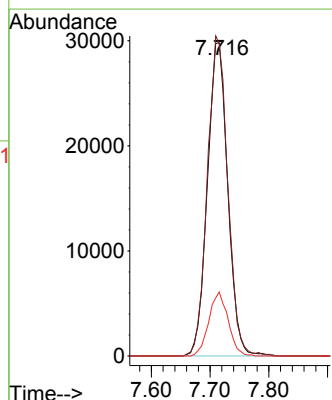
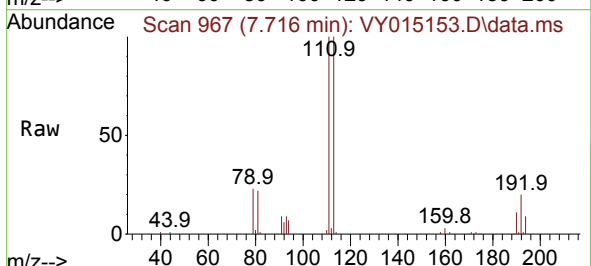
Tgt Ion:113 Resp: 71783

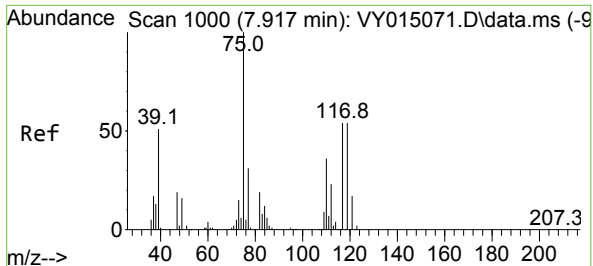
Ion Ratio Lower Upper

113 100

111 102.1 81.3 121.9

192 19.4 16.9 25.3





#36

1,1-Dichloropropene

Concen: 6.214 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

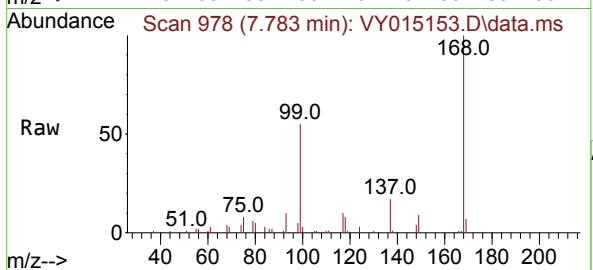
Lab File: VY015153.D

Acq: 16 Aug 2023 16:29

Instrument :

MSVOA_Y

ClientSampleId :



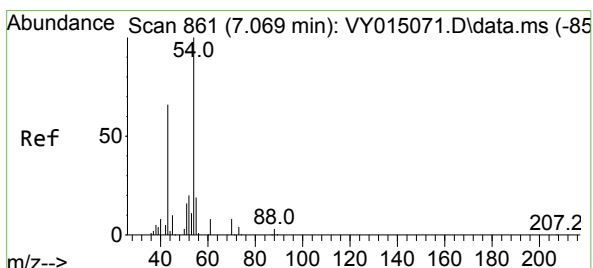
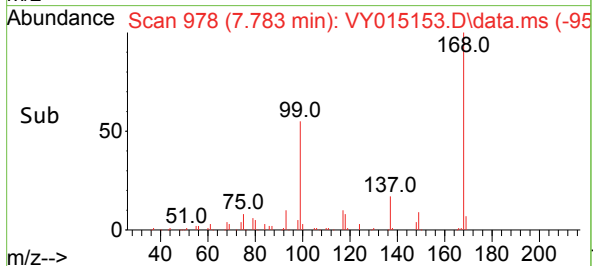
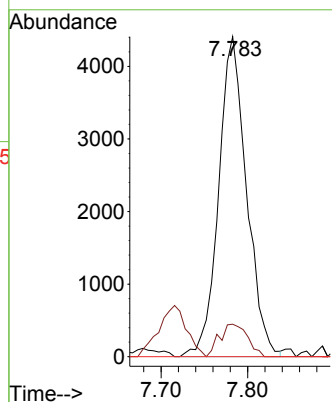
Tgt Ion: 75 Resp: 9886

Ion Ratio Lower Upper

75 100

110 10.2 17.8 53.5#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.268 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.098 min

Lab File: VY015153.D

Acq: 16 Aug 2023 16:29

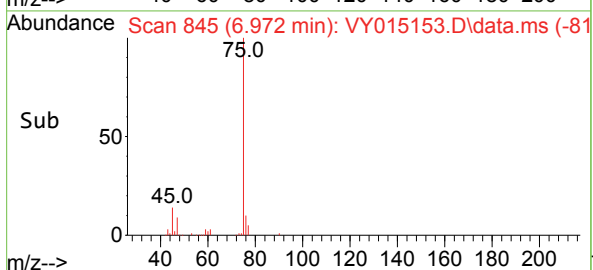
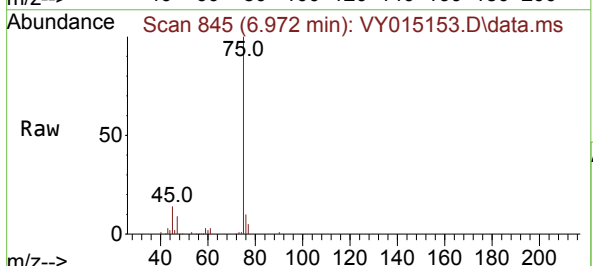
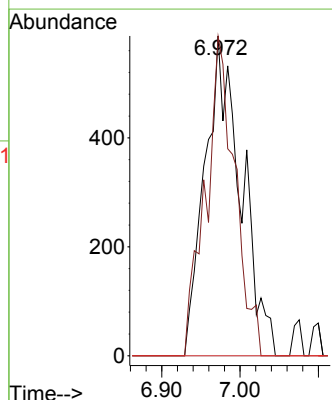
Tgt Ion: 43 Resp: 1880

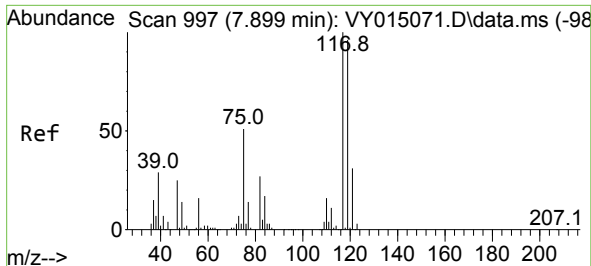
Ion Ratio Lower Upper

43 100

61 81.1 10.1 15.1#

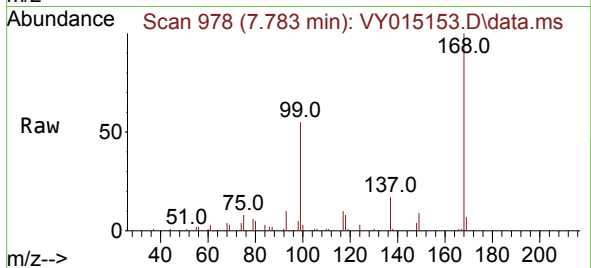
70 0.0 7.1 10.7#



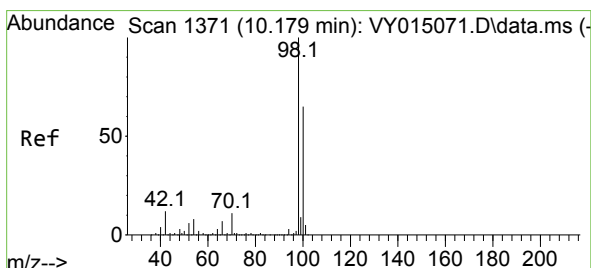
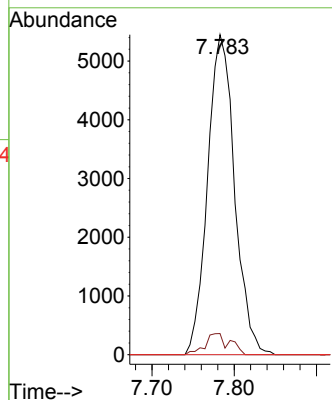
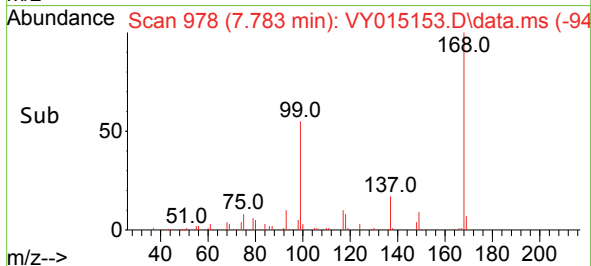


#38
Carbon Tetrachloride
Concen: 6.611 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY015153.D
Acq: 16 Aug 2023 16:29

Instrument :
MSVOA_Y
ClientSampleId :

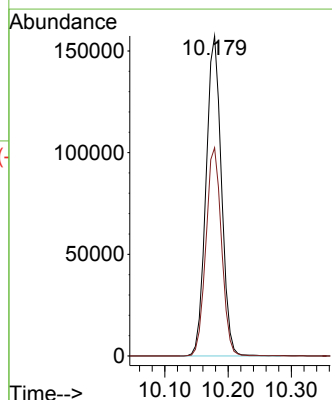
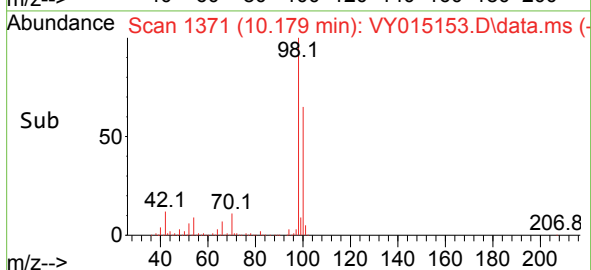
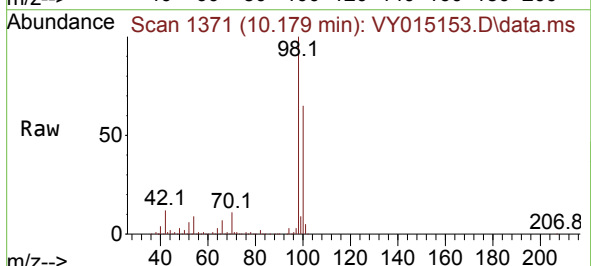


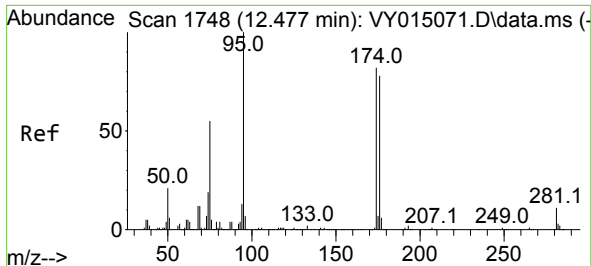
Tgt Ion:117 Resp: 12447
Ion Ratio Lower Upper
117 100
119 6.6 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 49.679 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015153.D
Acq: 16 Aug 2023 16:29

Tgt Ion: 98 Resp: 265935
Ion Ratio Lower Upper
98 100
100 66.0 50.1 75.1

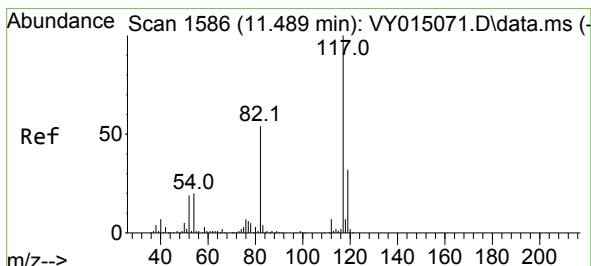
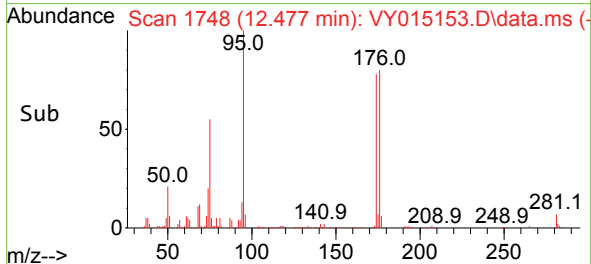
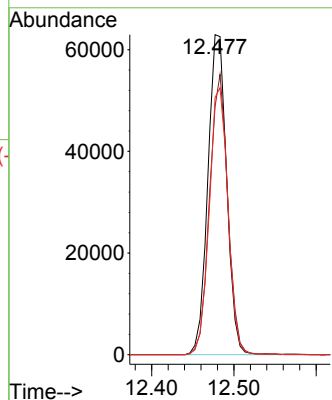
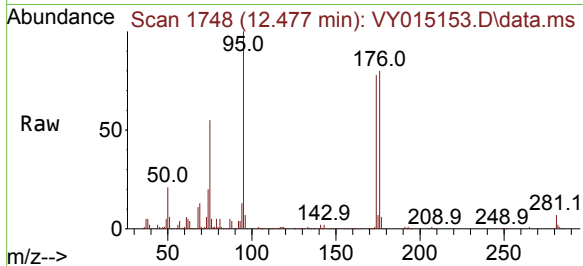




#62
4-Bromofluorobenzene
Concen: 51.054 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015153.D
Acq: 16 Aug 2023 16:29

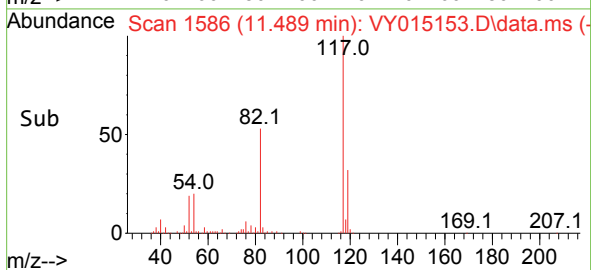
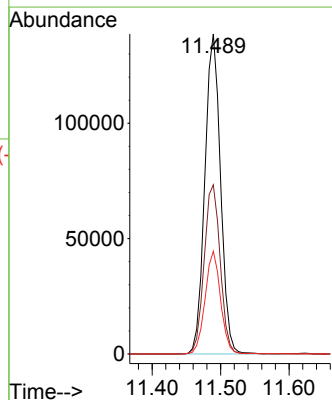
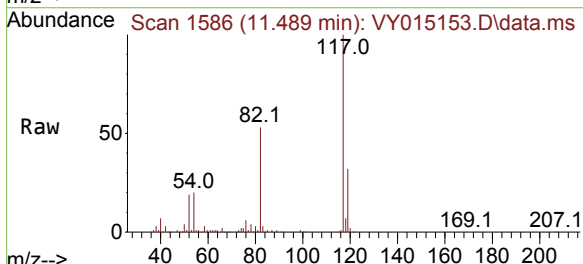
Instrument :
MSVOA_Y
ClientSampleId :

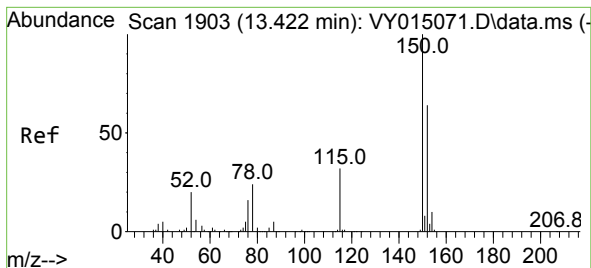
Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.5	0.0	178.2
176	83.3	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY015153.D
Acq: 16 Aug 2023 16:29

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.9	43.4	65.0
119	32.1	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: VY015153.D

Acq: 16 Aug 2023 16:29

Instrument :

MSVOA_Y

ClientSampleId :

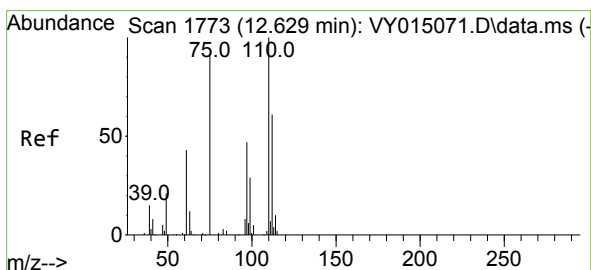
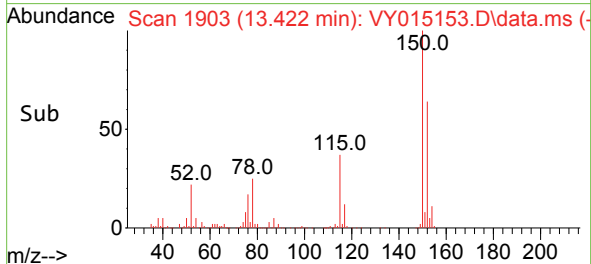
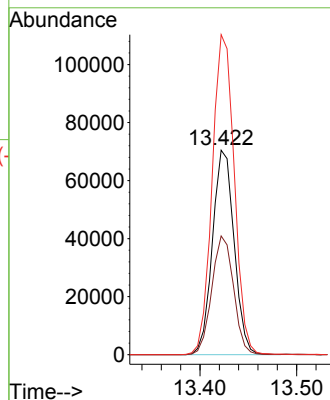
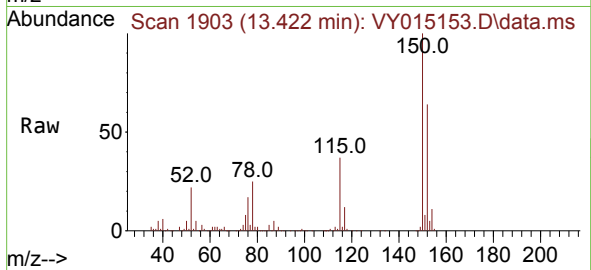
Tgt Ion:152 Resp: 109743

Ion Ratio Lower Upper

152 100

115 58.2 28.8 86.5

150 159.7 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 40.912 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015153.D

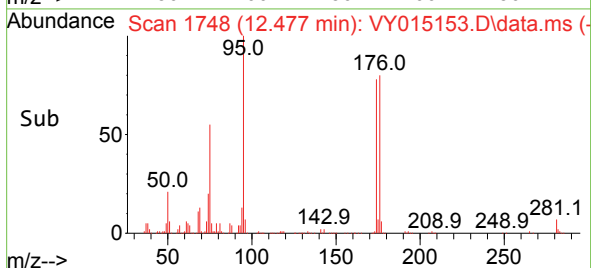
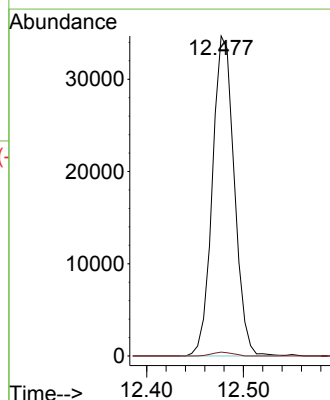
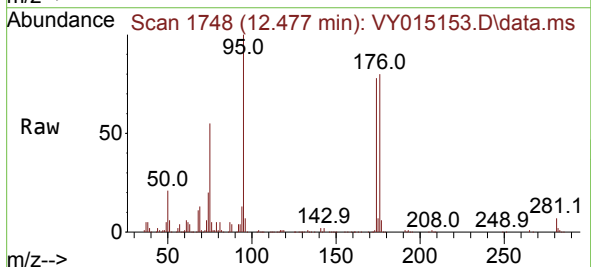
Acq: 16 Aug 2023 16:29

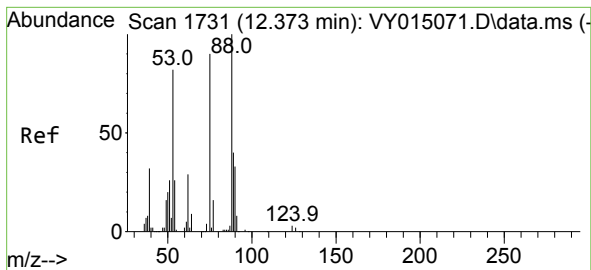
Tgt Ion: 75 Resp: 54548

Ion Ratio Lower Upper

75 100

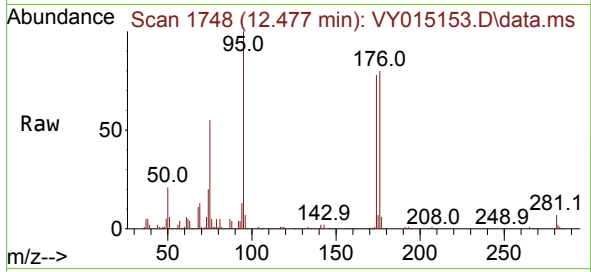
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.863 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY015153.D
 Acq: 16 Aug 2023 16:29

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#

