

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070723\
 Data File : VY014596.D
 Acq On : 07 Jul 2023 10:46
 Operator : KP/MD
 Sample : VY0706SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0707SBL01

Quant Time: Jul 08 03:43:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 19:02:11 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

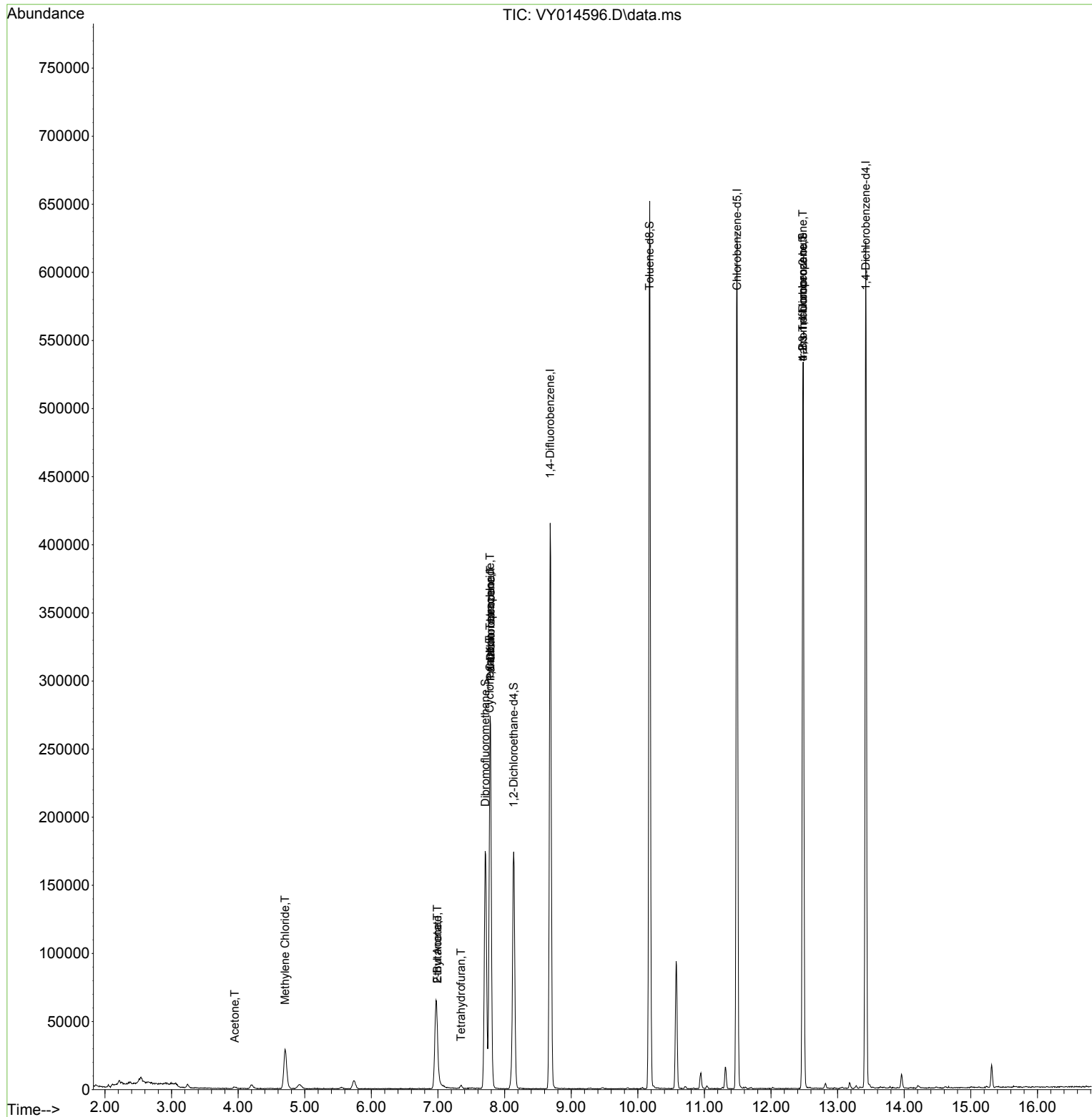
Internal Standards						
1) Pentafluorobenzene	7.789	168	233118	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	368922	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	359110	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	171910	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	136629	58.917	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.840%			
35) Dibromofluoromethane	7.710	113	126335	55.609	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.220%			
50) Toluene-d8	10.179	98	442926	49.319	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.640%			
62) 4-Bromofluorobenzene	12.477	95	146945	47.120	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.240%			
Target Compounds						
2) Dichlorodifluoromethane	1.900	85	153	Below Cal	#	43
11) Tert butyl alcohol	4.924	59	4028	Below Cal	#	90
16) Acetone	3.948	43	2042	2.820	ug/l #	70
20) Methylene Chloride	4.704	84	23246	4.141	ug/l	86
25) 2-Butanone	6.990	43	4716	4.398	ug/l	93
29) Tetrahydrofuran	7.344	42	1406	2.033	ug/l	90
31) Cyclohexane	7.777	56	4090	1.124	ug/l #	13
36) 1,1-Dichloropropene	7.789	75	16190	4.653	ug/l #	49
37) Ethyl Acetate	6.990	43	4716	1.977	ug/l #	1
38) Carbon Tetrachloride	7.783	117	19816	5.456	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	70122	34.760	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	70122	67.658	ug/l #	11

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

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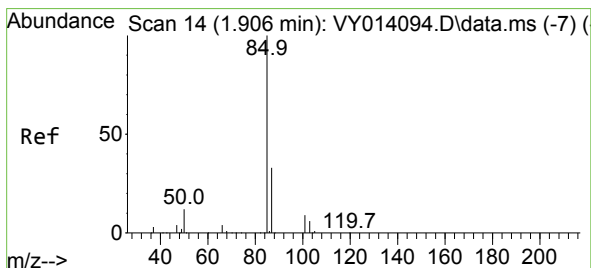
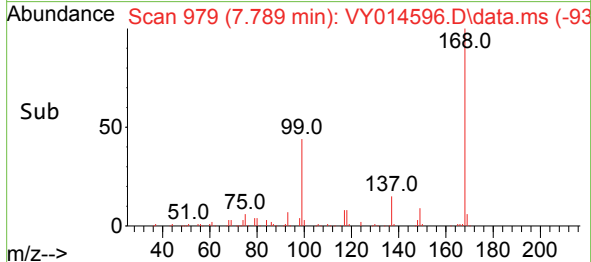
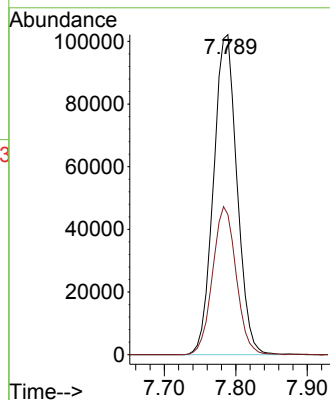
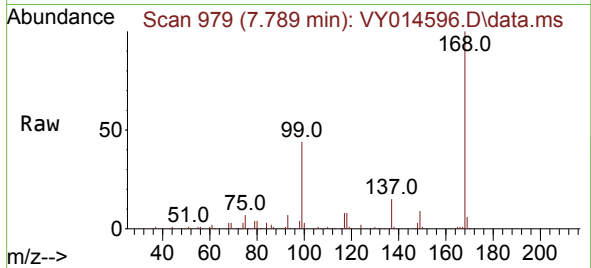




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014596.D
Acq: 07 Jul 2023 10:46

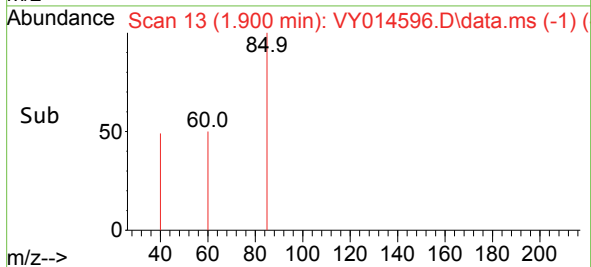
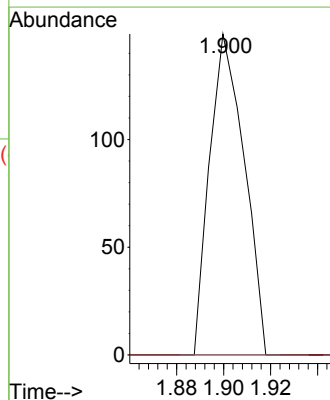
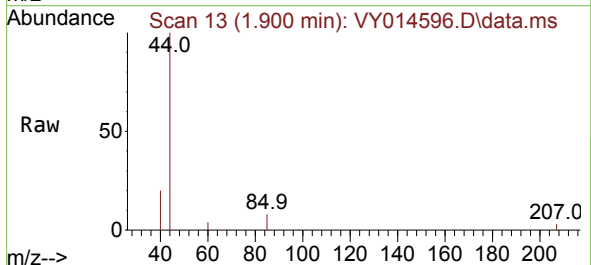
Instrument :
MSVOA_Y
ClientSampleId :
VY0707SBL01

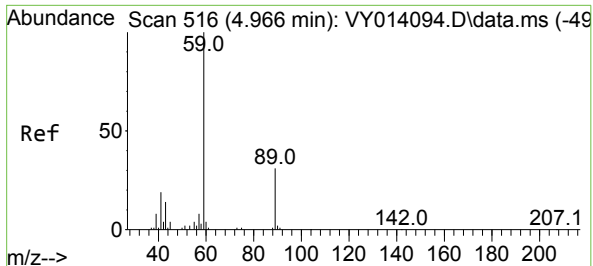
Tgt Ion:168 Resp: 233118
Ion Ratio Lower Upper
168 100
99 43.8 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY014596.D
Acq: 07 Jul 2023 10:46

Tgt Ion: 85 Resp: 153
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.924 min Scan# 509

Delta R.T. -0.042 min

Lab File: VY014596.D

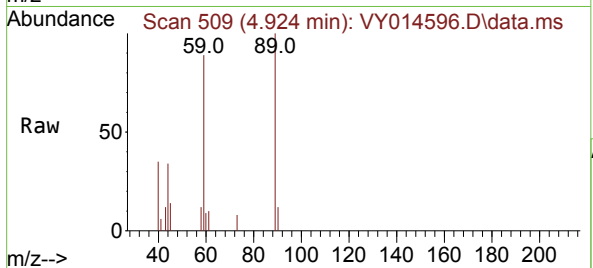
Acq: 07 Jul 2023 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0707SBL01

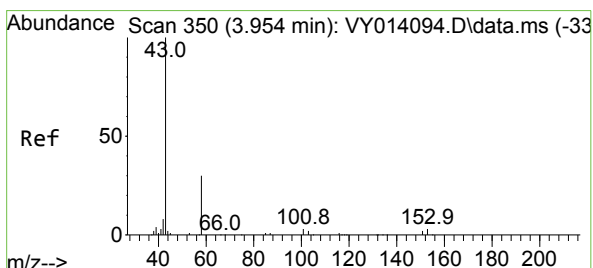
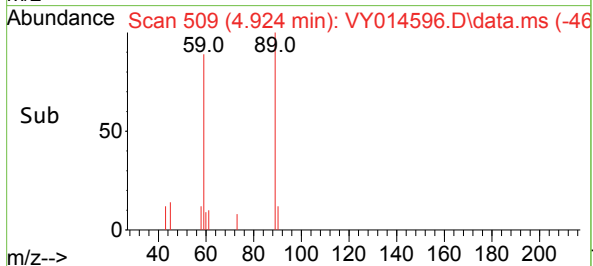
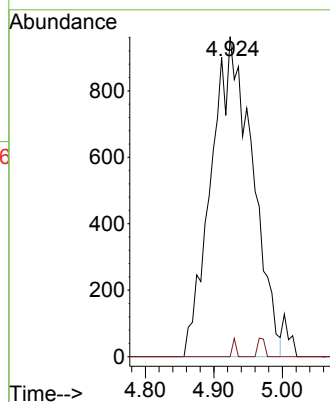


Tgt Ion: 59 Resp: 4028

Ion Ratio Lower Upper

59 100

57 0.5 3.0 4.4#



#16

Acetone

Concen: 2.820 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.006 min

Lab File: VY014596.D

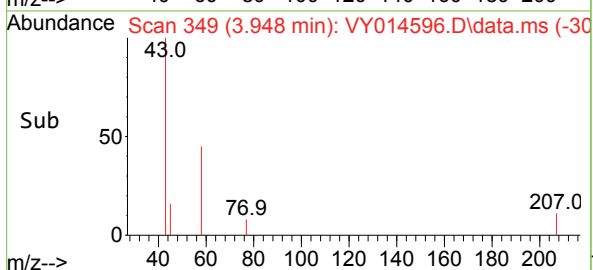
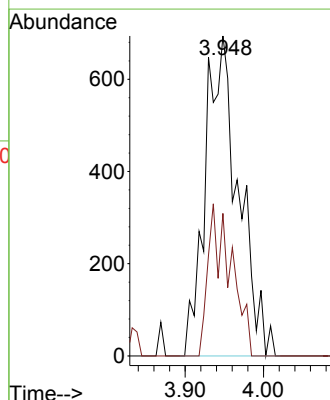
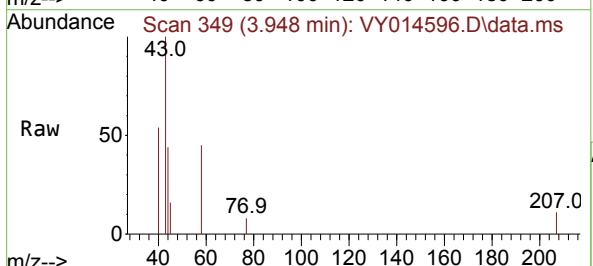
Acq: 07 Jul 2023 10:46

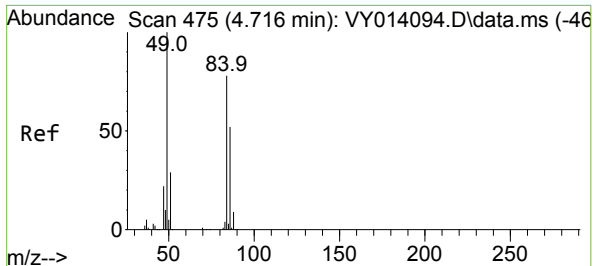
Tgt Ion: 43 Resp: 2042

Ion Ratio Lower Upper

43 100

58 44.5 22.7 34.1#

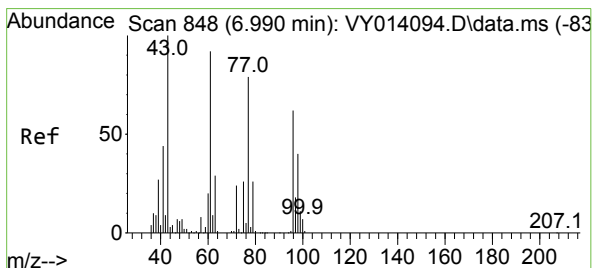
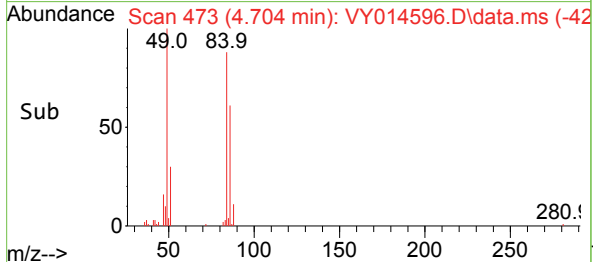
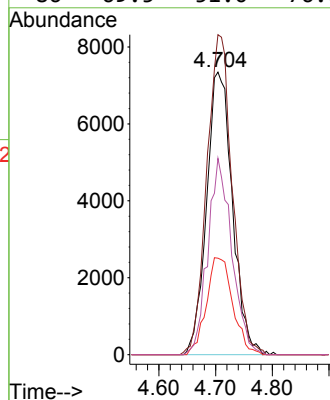
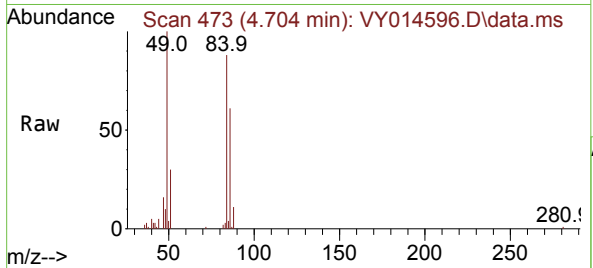




#20
Methylene Chloride
Concen: 4.141 ug/l
RT: 4.704 min Scan# 475
Delta R.T. -0.012 min
Lab File: VY014596.D
Acq: 07 Jul 2023 10:46

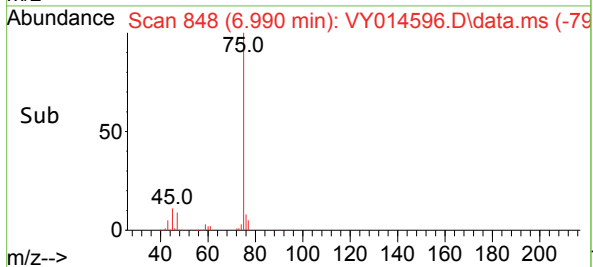
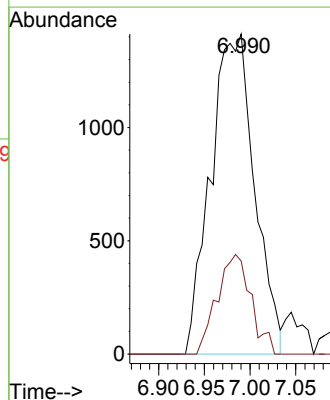
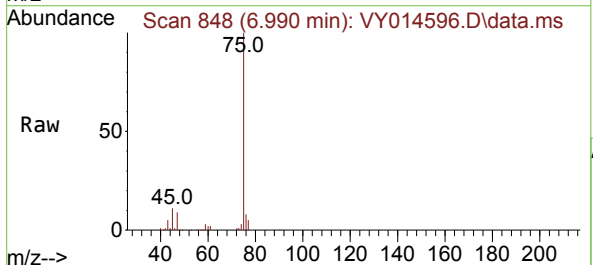
Instrument :
MSVOA_Y
ClientSampleId :
VY0707SBL01

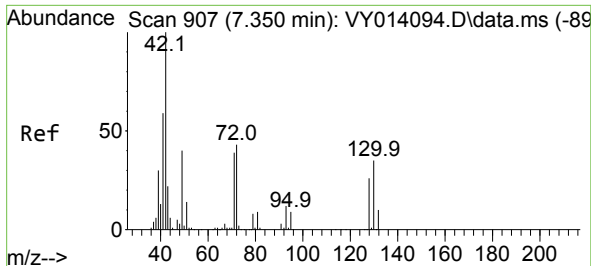
Tgt Ion:	84	Resp:	23246
Ion	Ratio	Lower	Upper
84	100		
49	113.3	106.9	160.3
51	34.1	33.2	49.8
86	69.5	51.0	76.6



#25
2-Butanone
Concen: 4.398 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY014596.D
Acq: 07 Jul 2023 10:46

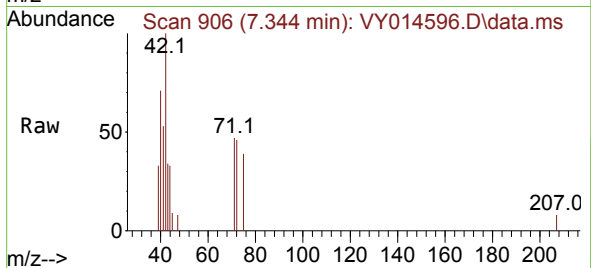
Tgt Ion:	43	Resp:	4716
Ion	Ratio	Lower	Upper
43	100		
72	29.1	20.5	30.7



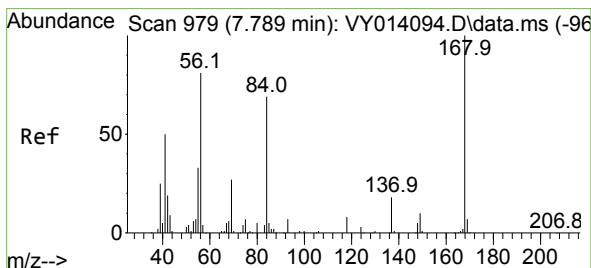
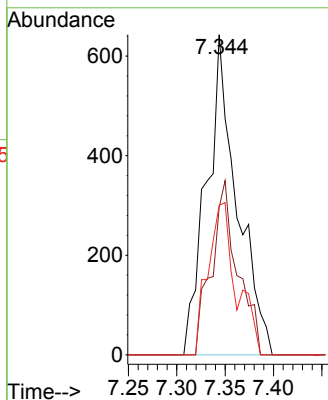
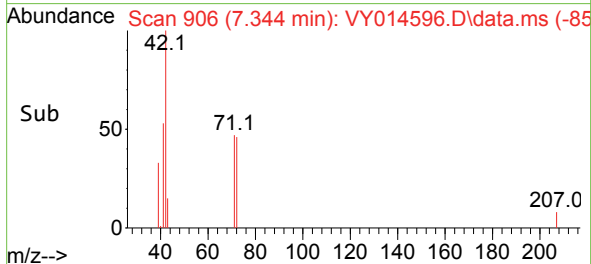


#29
Tetrahydrofuran
Concen: 2.033 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY014596.D
Acq: 07 Jul 2023 10:46

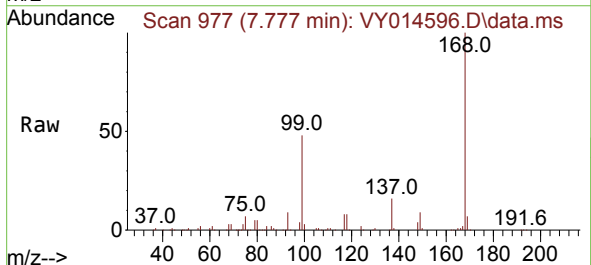
Instrument :
MSVOA_Y
ClientSampleId :
VY0707SBL01



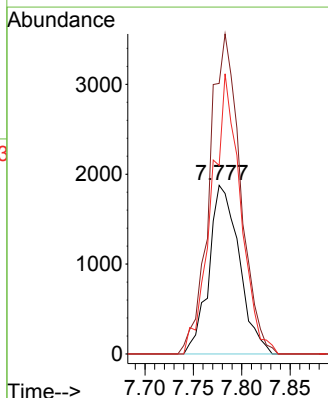
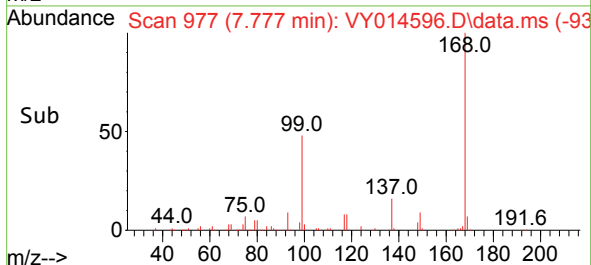
Tgt Ion:	42	Resp:	1406
Ion Ratio	Lower	Upper	
42	100		
72	47.2	32.8	49.2
71	44.5	31.0	46.4

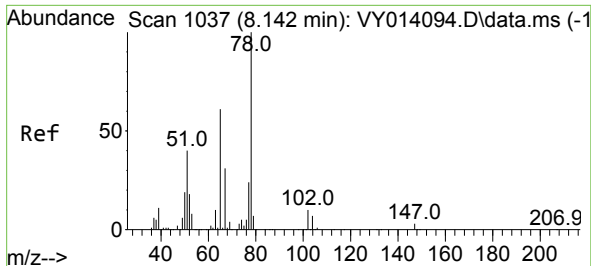


#31
Cyclohexane
Concen: 1.124 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.012 min
Lab File: VY014596.D
Acq: 07 Jul 2023 10:46



Tgt Ion:	56	Resp:	4090
Ion Ratio	Lower	Upper	
56	100		
69	160.4	27.8	41.6#
84	111.8	66.4	99.6#





#33

1,2-Dichloroethane-d4

Concen: 58.917 ug/l

RT: 8.136 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VY014596.D

Acq: 07 Jul 2023 10:46

Instrument :

MSVOA_Y

ClientSampleId :

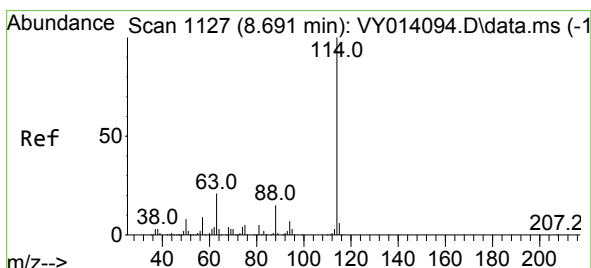
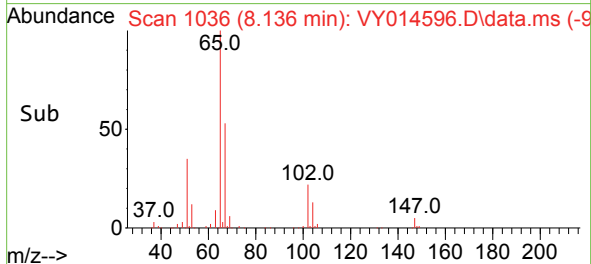
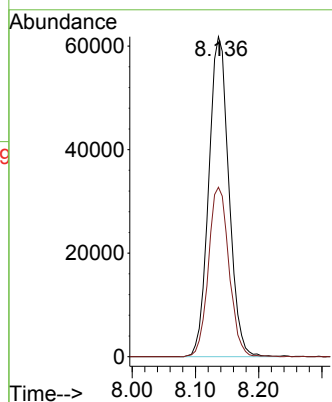
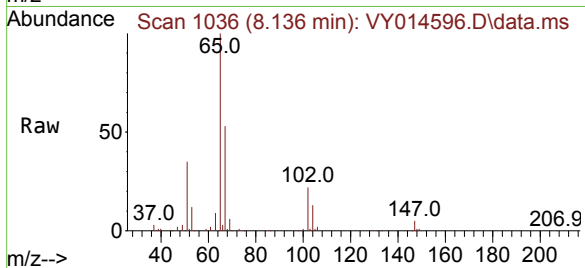
VY0707SBL01

Tgt Ion: 65 Resp: 136629

Ion Ratio Lower Upper

65 100

67 54.0 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY014596.D

Acq: 07 Jul 2023 10:46

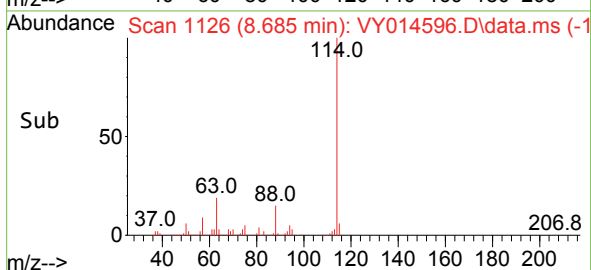
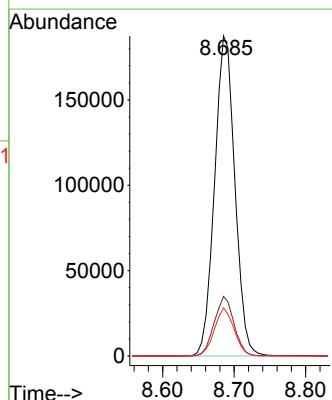
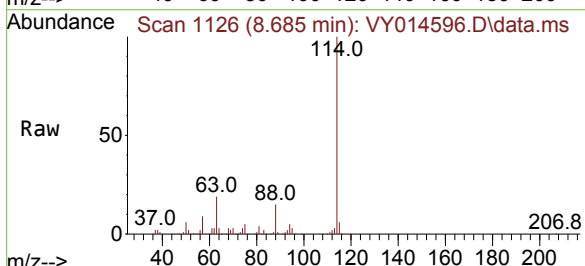
Tgt Ion: 114 Resp: 368922

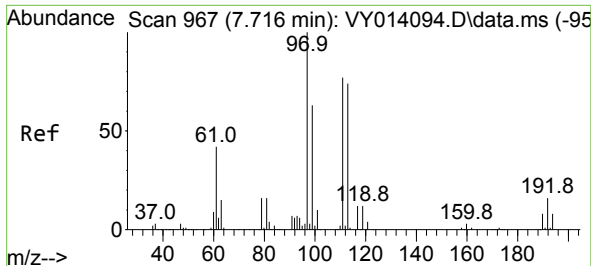
Ion Ratio Lower Upper

114 100

63 18.6 0.0 42.4

88 15.0 0.0 30.6

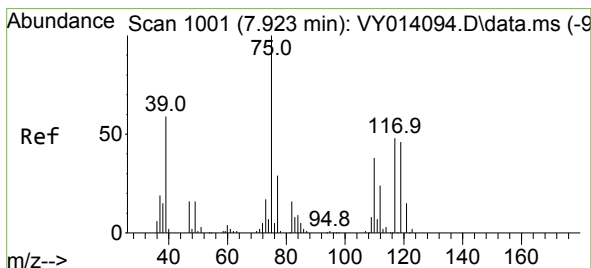
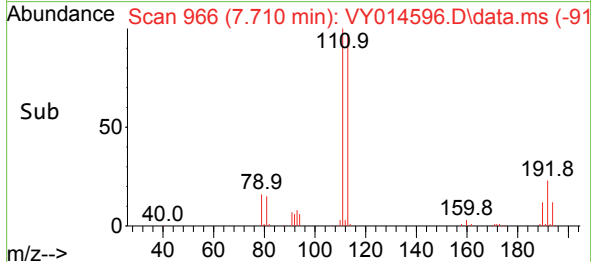
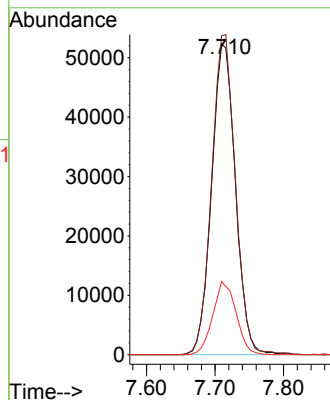
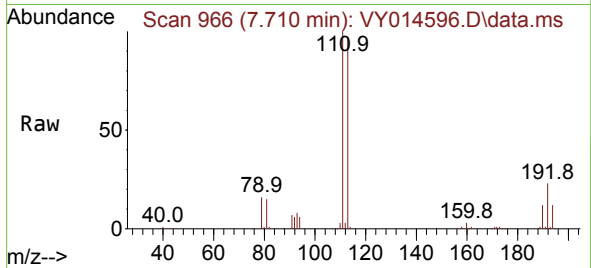




#35
Dibromofluoromethane
Concen: 55.609 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY014596.D
Acq: 07 Jul 2023 10:46

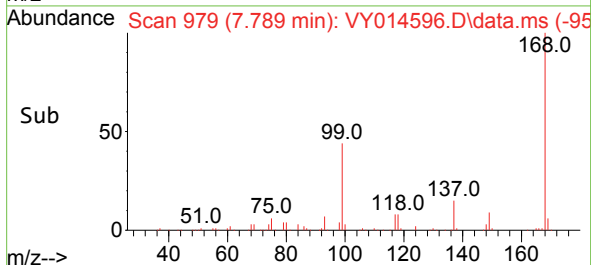
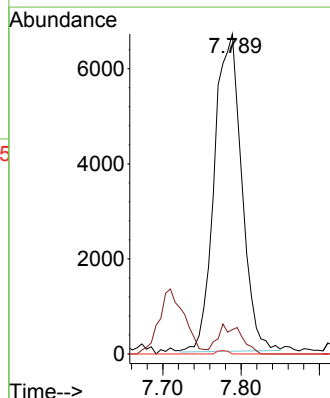
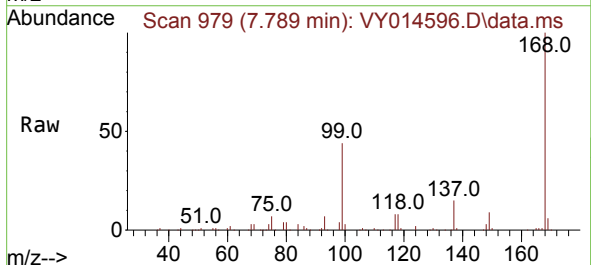
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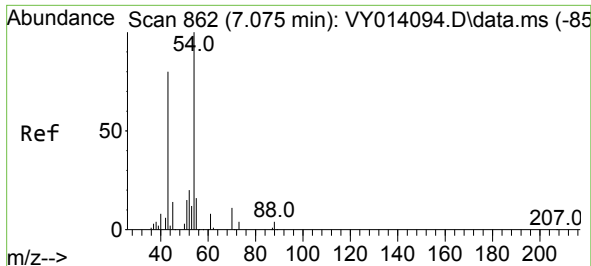
Tgt Ion:113 Resp: 126335
Ion Ratio Lower Upper
113 100
111 102.4 81.3 121.9
192 23.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.653 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014596.D
Acq: 07 Jul 2023 10:46

Tgt Ion: 75 Resp: 16190
Ion Ratio Lower Upper
75 100
110 7.9 17.8 53.5#
77 0.4 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.977 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.085 min

Lab File: VY014596.D

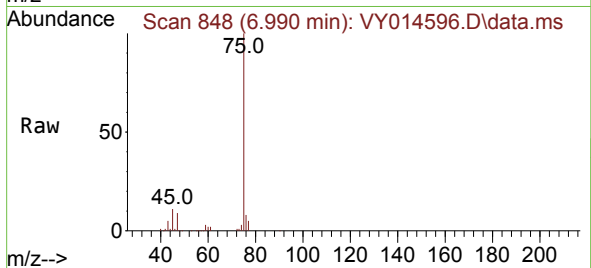
Acq: 07 Jul 2023 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0707SBL01



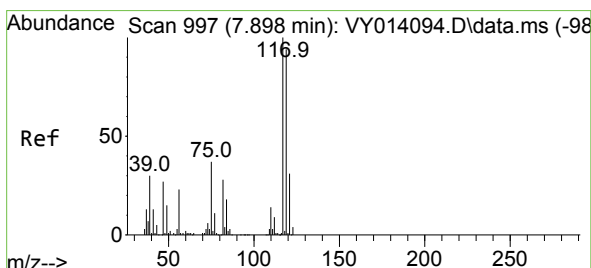
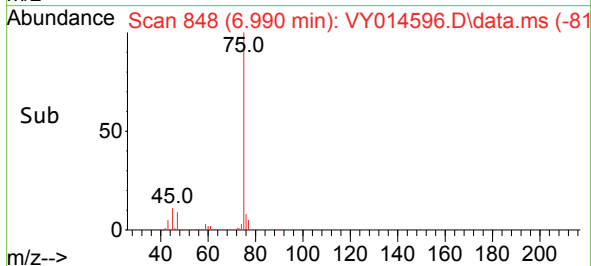
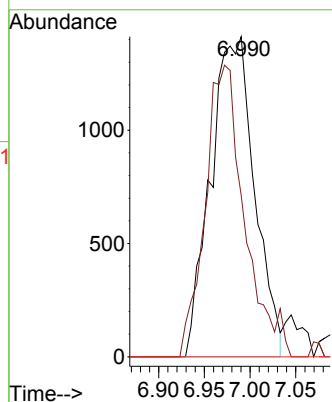
Tgt Ion: 43 Resp: 4716

Ion Ratio Lower Upper

43 100

61 81.4 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.456 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.115 min

Lab File: VY014596.D

Acq: 07 Jul 2023 10:46

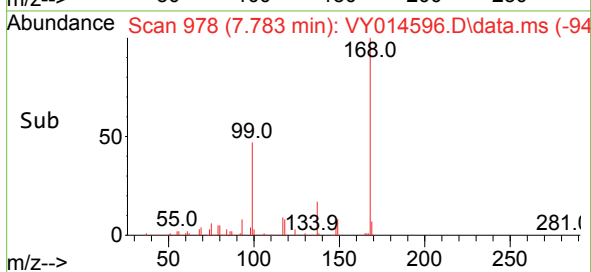
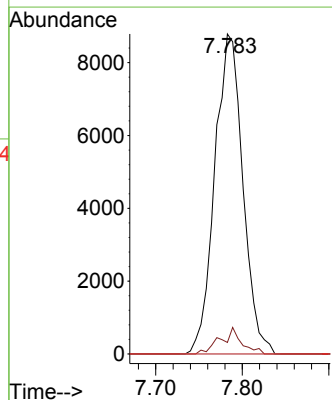
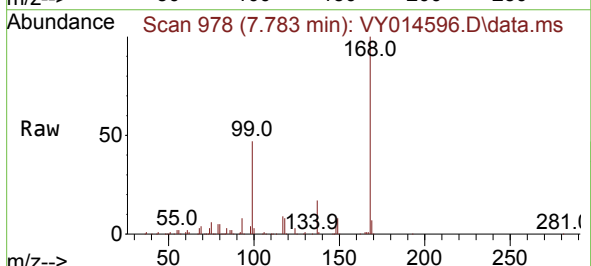
Tgt Ion: 117 Resp: 19816

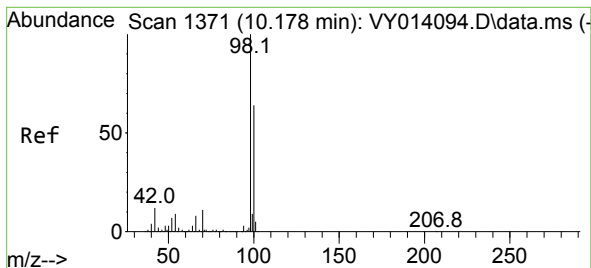
Ion Ratio Lower Upper

117 100

119 3.6 76.4 114.6#

121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 49.319 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.001 min

Lab File: VY014596.D

Acq: 07 Jul 2023 10:46

Instrument :

MSVOA_Y

ClientSampleId :

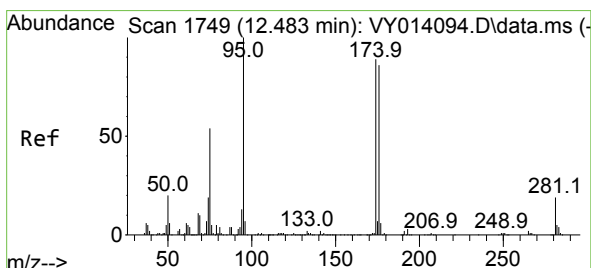
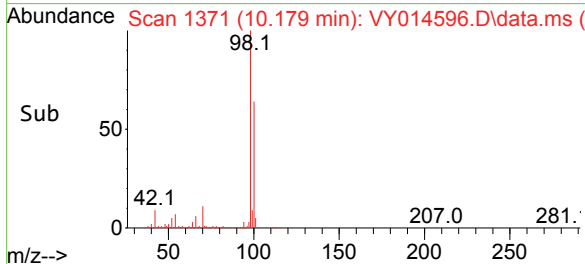
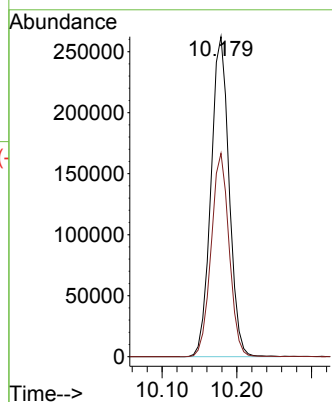
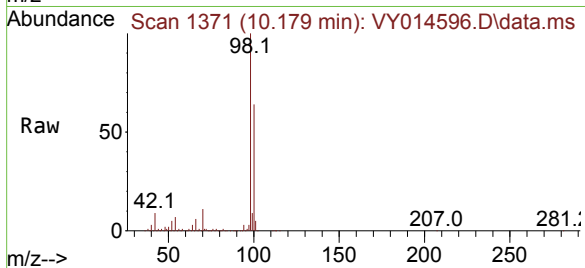
VY0707SBL01

Tgt Ion: 98 Resp: 442926

Ion Ratio Lower Upper

98 100

100 62.9 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 47.120 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY014596.D

Acq: 07 Jul 2023 10:46

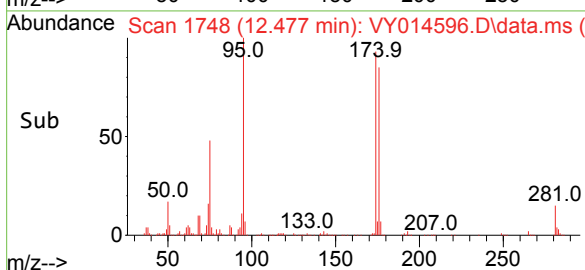
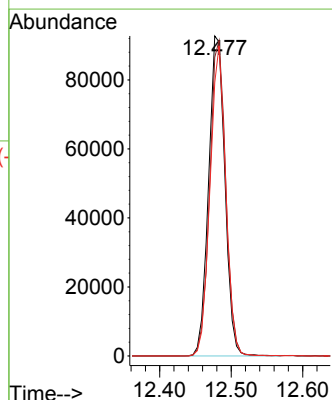
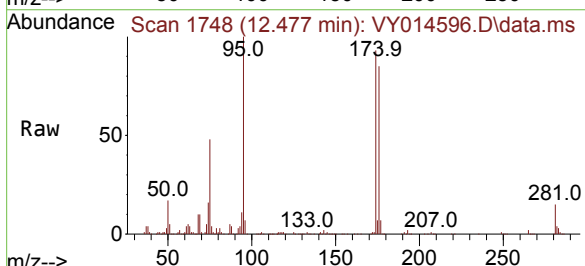
Tgt Ion: 95 Resp: 146945

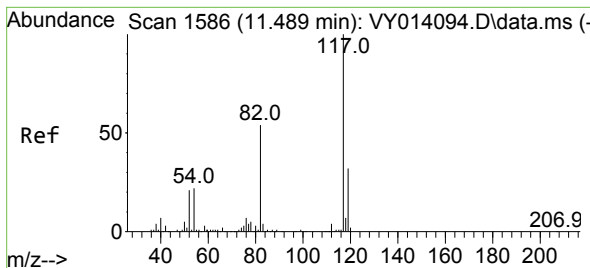
Ion Ratio Lower Upper

95 100

174 97.0 0.0 178.2

176 93.3 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014596.D

Acq: 07 Jul 2023 10:46

Instrument :

MSVOA_Y

ClientSampleId :

VY0707SBL01

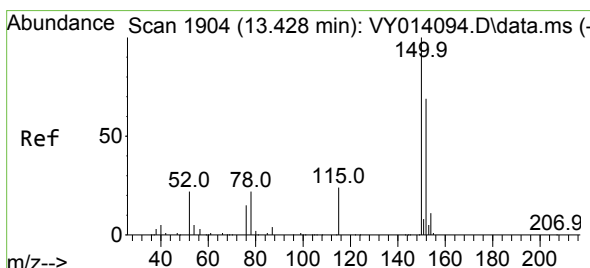
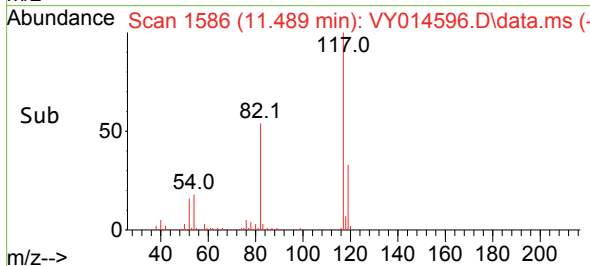
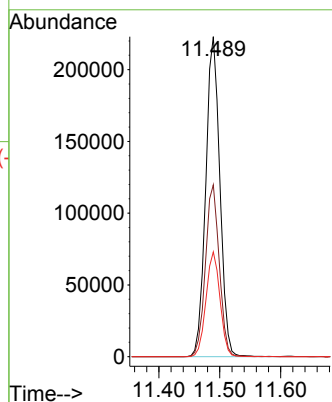
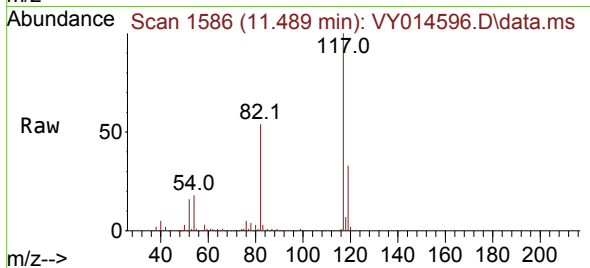
Tgt Ion:117 Resp: 359110

Ion Ratio Lower Upper

117 100

82 53.7 43.4 65.0

119 32.8 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY014596.D

Acq: 07 Jul 2023 10:46

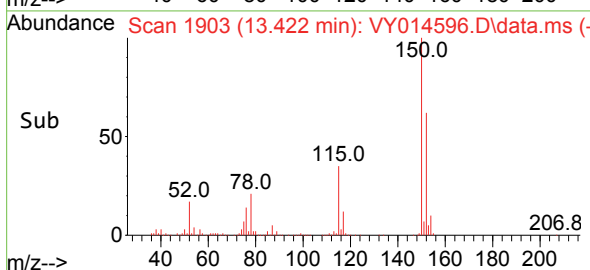
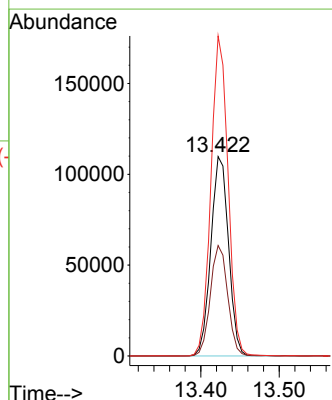
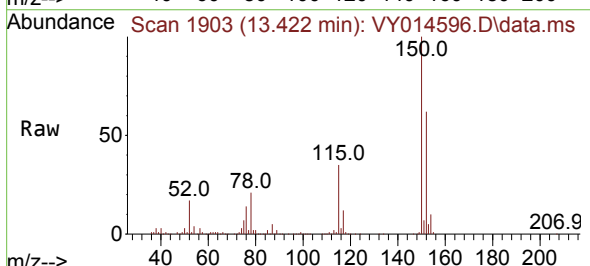
Tgt Ion:152 Resp: 171910

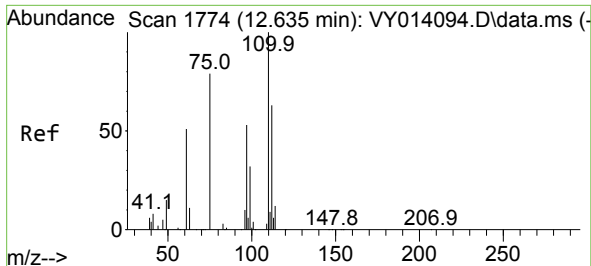
Ion Ratio Lower Upper

152 100

115 54.4 28.8 86.5

150 155.4 0.0 348.8

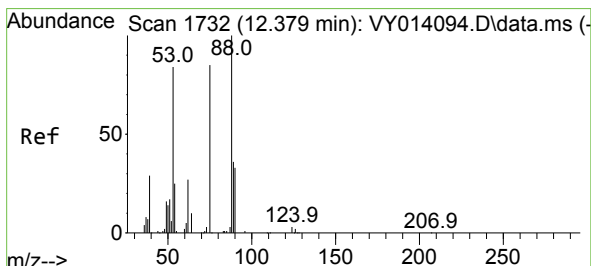
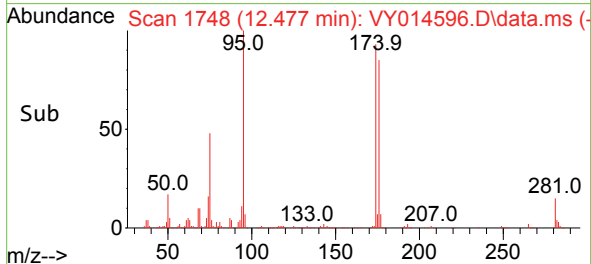
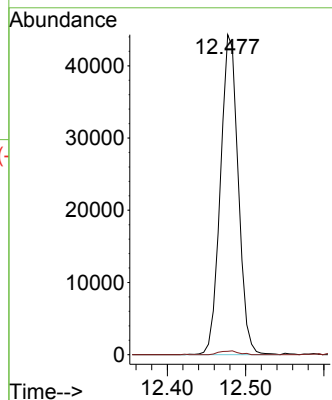
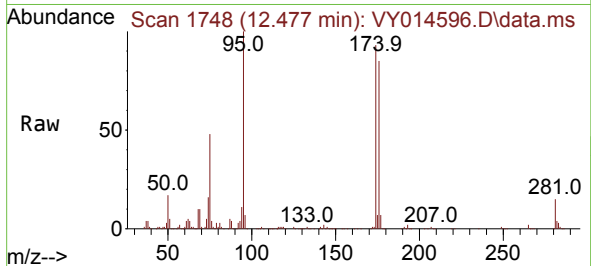




#76
1,2,3-Trichloropropane
Concen: 34.760 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY014596.D
Acq: 07 Jul 2023 10:46

Instrument :
MSVOA_Y
ClientSampleId :
VY0707SBL01

Tgt Ion: 75 Resp: 70122
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.658 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY014596.D
Acq: 07 Jul 2023 10:46

Tgt Ion: 75 Resp: 70122
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 0.3 37.4 56.0#

