

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080923\
 Data File : VY015000.D
 Acq On : 09 Aug 2023 13:05
 Operator : SY/MD
 Sample : VY0809SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0809SBL01

Quant Time: Aug 10 01:43:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 07:44:56 2023
 Response via : Initial Calibration

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

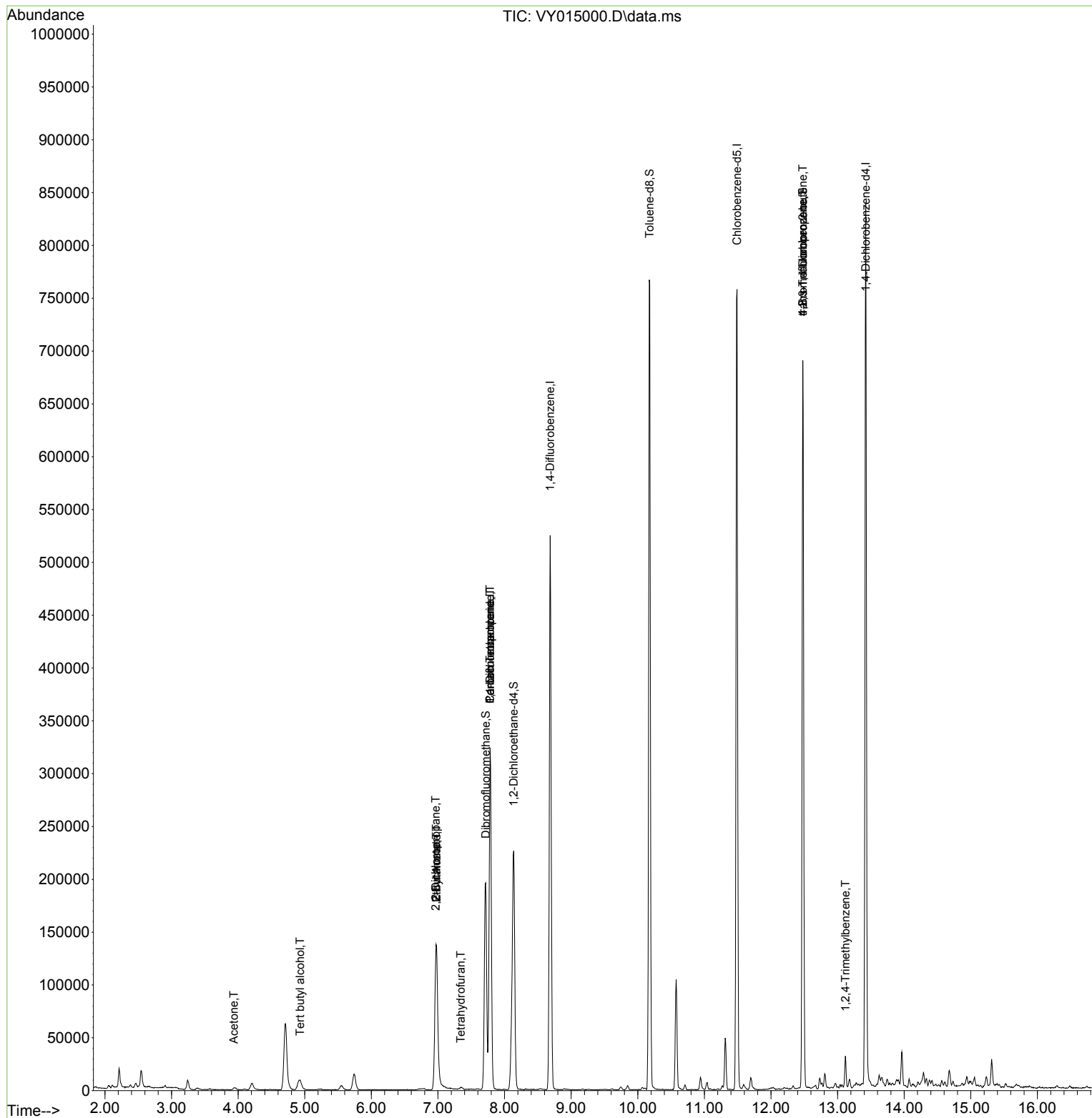
Internal Standards						
1) Pentafluorobenzene	7.783	168	252018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	436987	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	419905	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	211143	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	159859	52.335	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.680%	
35) Dibromofluoromethane	7.716	113	142084	50.845	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.700%	
50) Toluene-d8	10.179	98	513983	48.323	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.640%	
62) 4-Bromofluorobenzene	12.477	95	198403	52.631	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.260%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	105	Below Cal	#	43
5) Bromomethane	2.644	94	816	Below Cal		82
11) Tert butyl alcohol	4.930	59	11246	15.255	ug/l #	90
16) Acetone	3.936	43	1617	1.698	ug/l	95
20) Methylene Chloride	4.704	84	47858	Below Cal	#	87
25) 2-Butanone	6.978	43	8304	6.087	ug/l #	78
26) 2,2-Dichloropropane	6.966	77	11045	2.491	ug/l #	54
29) Tetrahydrofuran	7.344	42	1291	1.614	ug/l	90
31) Cyclohexane	7.783	56	5112	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	19167	5.525	ug/l #	50
37) Ethyl Acetate	6.978	43	8304	3.015	ug/l #	1
38) Carbon Tetrachloride	7.783	117	24630	6.315	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	106194	41.974	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	106194	92.470	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.117	105	16023	1.367	ug/l	98

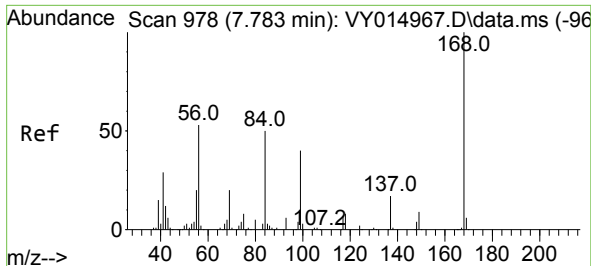
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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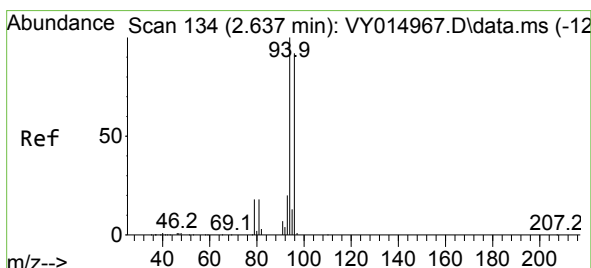
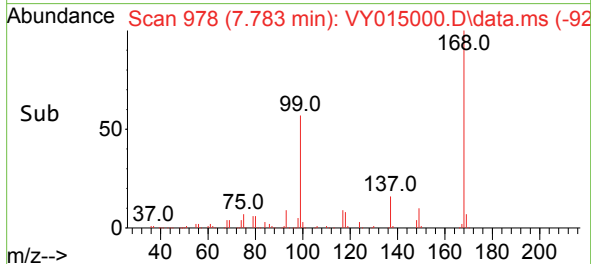
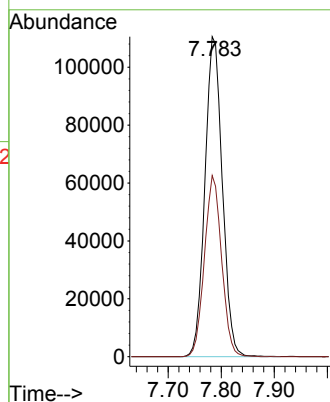
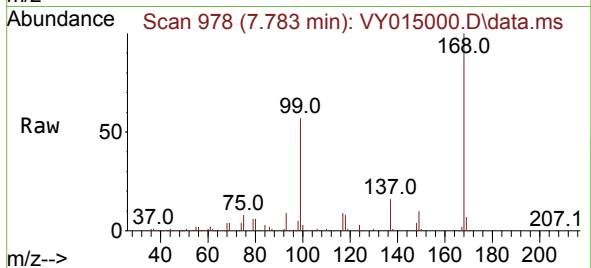




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015000.D
Acq: 09 Aug 2023 13:05

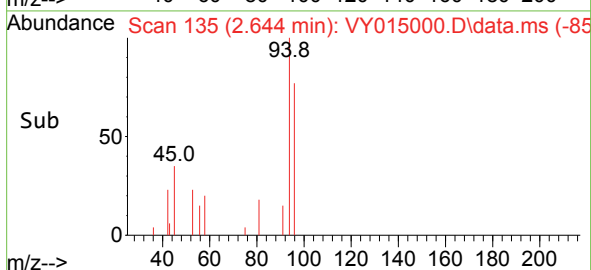
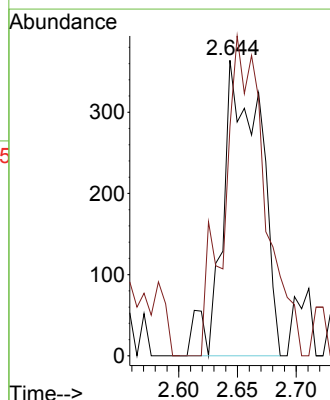
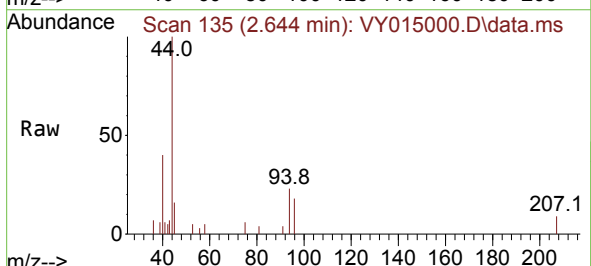
Instrument :
MSVOA_Y
ClientSampleId :
VY0809SBL01

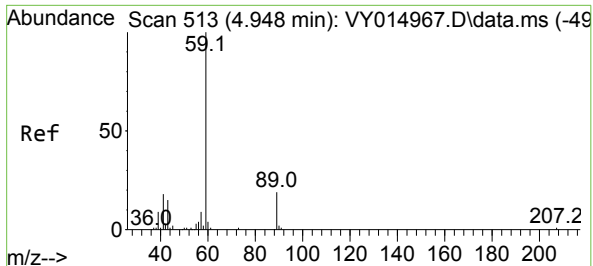
Tgt Ion:168 Resp: 252018
Ion Ratio Lower Upper
168 100
99 56.6 43.4 65.0



#5
Bromomethane
Concen: Below Cal
RT: 2.644 min Scan# 135
Delta R.T. 0.007 min
Lab File: VY015000.D
Acq: 09 Aug 2023 13:05

Tgt Ion: 94 Resp: 816
Ion Ratio Lower Upper
94 100
96 77.5 75.8 113.6





#11

Tert butyl alcohol

Concen: 15.255 ug/l

RT: 4.930 min Scan# 513

Delta R.T. -0.018 min

Lab File: VY015000.D

Acq: 09 Aug 2023 13:05

Instrument :

MSVOA_Y

ClientSampleId :

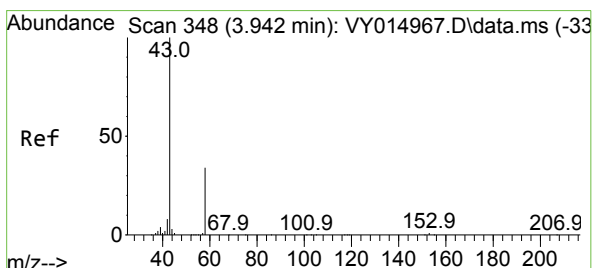
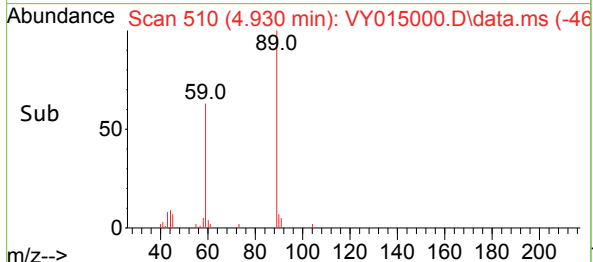
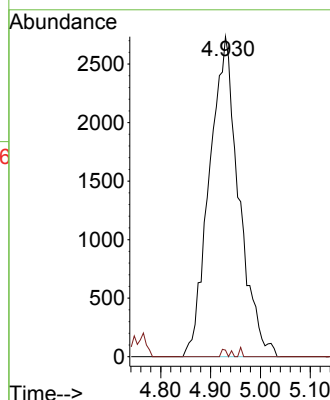
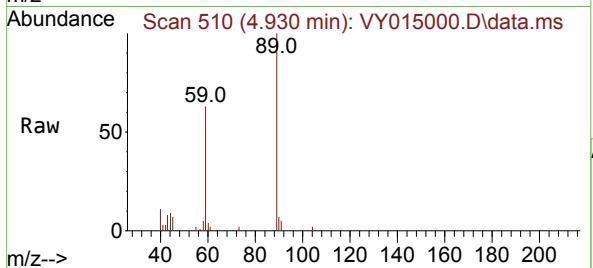
VY0809SBL01

Tgt Ion: 59 Resp: 11246

Ion Ratio Lower Upper

59 100

57 0.6 3.0 4.4#



#16

Acetone

Concen: 1.698 ug/l

RT: 3.936 min Scan# 347

Delta R.T. -0.006 min

Lab File: VY015000.D

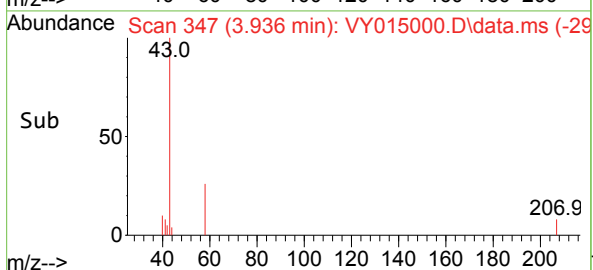
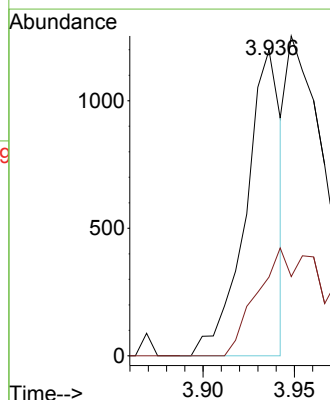
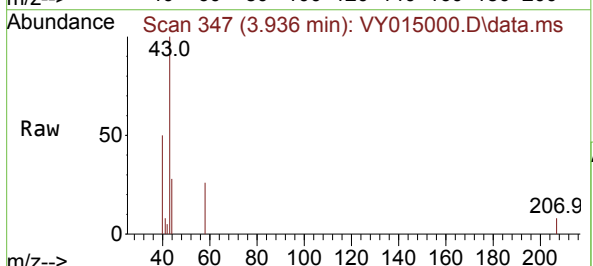
Acq: 09 Aug 2023 13:05

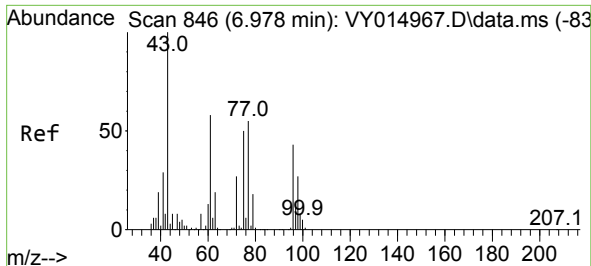
Tgt Ion: 43 Resp: 1617

Ion Ratio Lower Upper

43 100

58 25.8 22.7 34.1





#25

2-Butanone

Concen: 6.087 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY015000.D

Acq: 09 Aug 2023 13:05

Instrument :

MSVOA_Y

ClientSampleId :

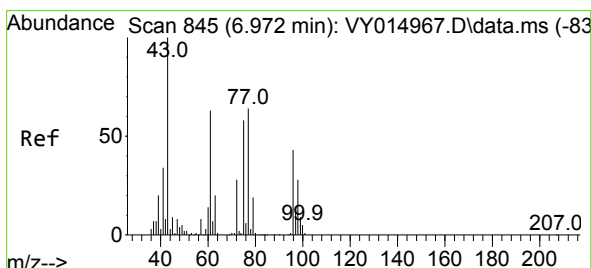
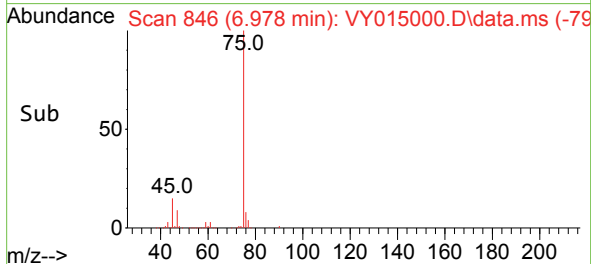
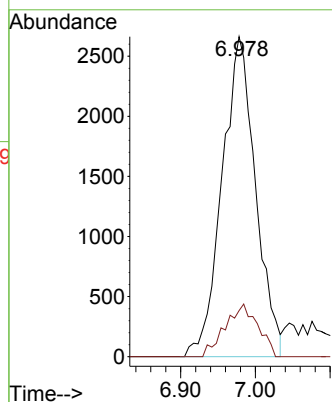
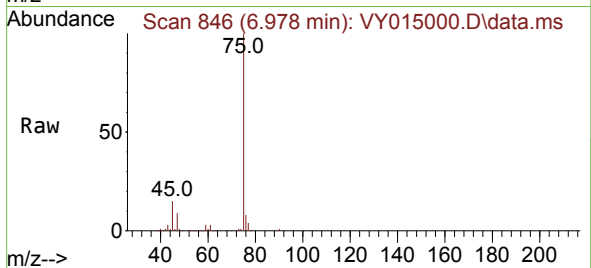
VY0809SBL01

Tgt Ion: 43 Resp: 8304

Ion Ratio Lower Upper

43 100

72 14.4 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 2.491 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.006 min

Lab File: VY015000.D

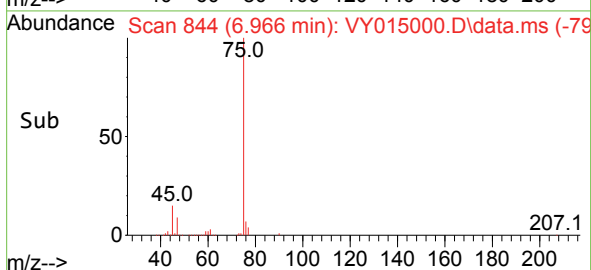
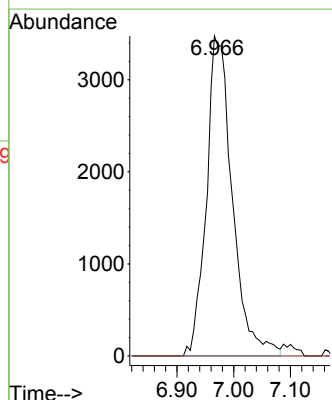
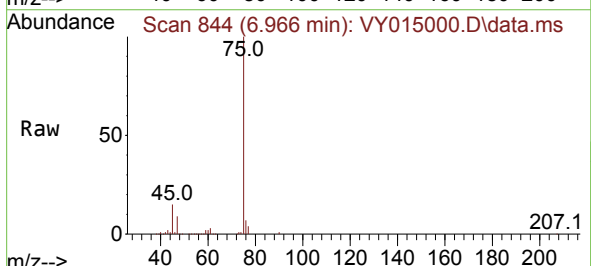
Acq: 09 Aug 2023 13:05

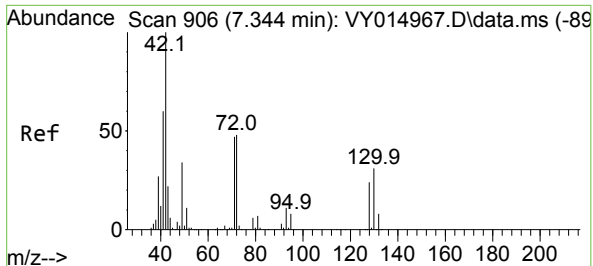
Tgt Ion: 77 Resp: 11045

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#





#29

Tetrahydrofuran

Concen: 1.614 ug/l

RT: 7.344 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY015000.D

Acq: 09 Aug 2023 13:05

Instrument :

MSVOA_Y

ClientSampleId :

VY0809SBL01

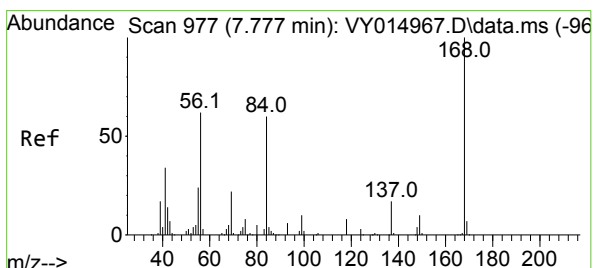
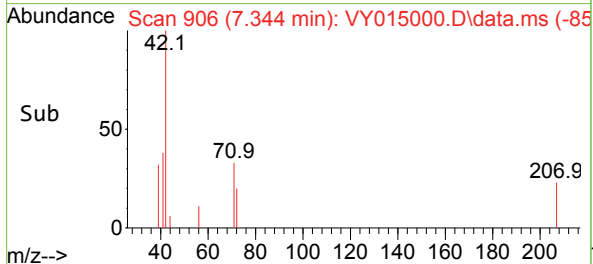
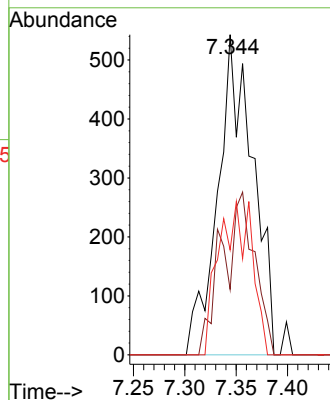
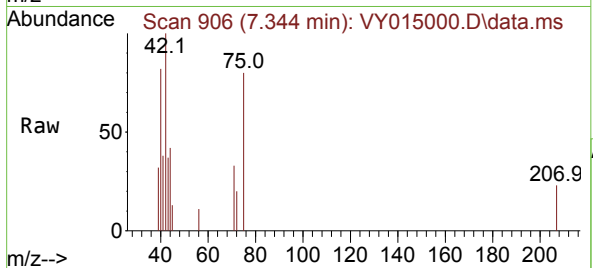
Tgt Ion: 42 Resp: 1291

Ion Ratio Lower Upper

42 100

72 47.2 32.8 49.2

71 44.9 31.0 46.4



#31

Cyclohexane

Concen: Below Cal

RT: 7.783 min Scan# 978

Delta R.T. 0.006 min

Lab File: VY015000.D

Acq: 09 Aug 2023 13:05

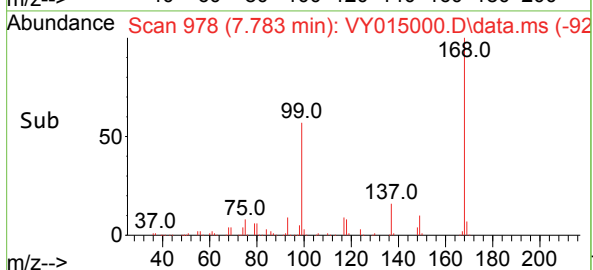
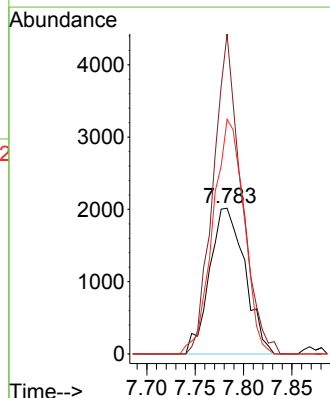
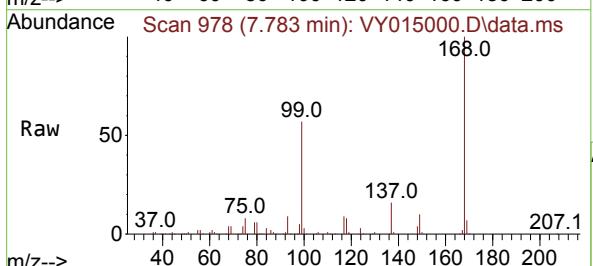
Tgt Ion: 56 Resp: 5112

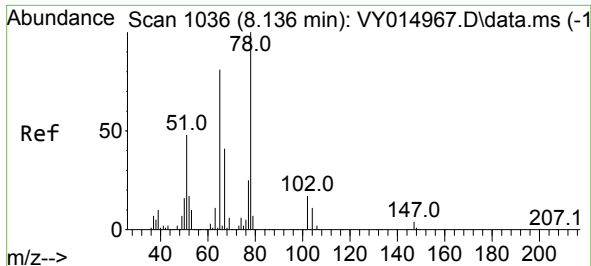
Ion Ratio Lower Upper

56 100

69 219.6 27.8 41.6#

84 161.0 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 52.335 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015000.D

Acq: 09 Aug 2023 13:05

Instrument :

MSVOA_Y

ClientSampleId :

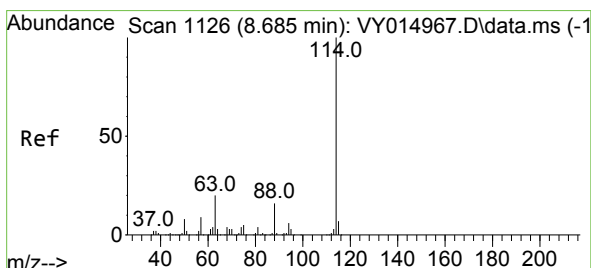
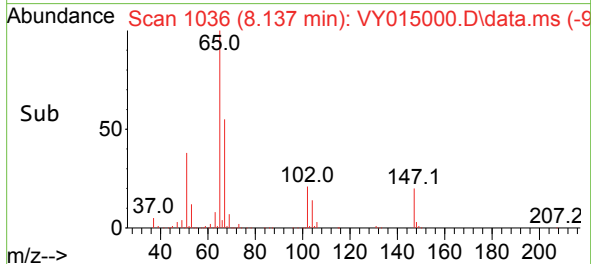
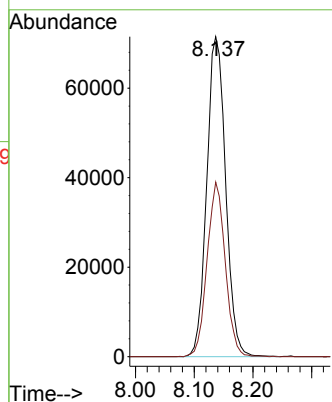
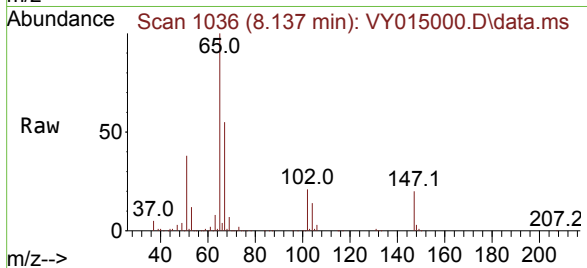
VY0809SBL01

Tgt Ion: 65 Resp: 159859

Ion Ratio Lower Upper

65 100

67 52.5 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: VY015000.D

Acq: 09 Aug 2023 13:05

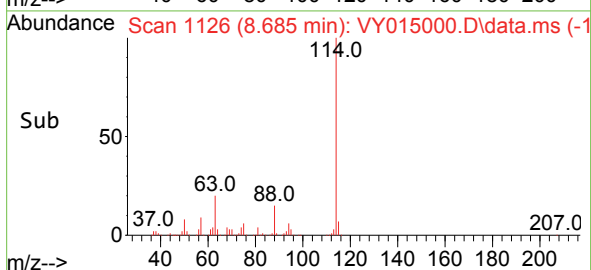
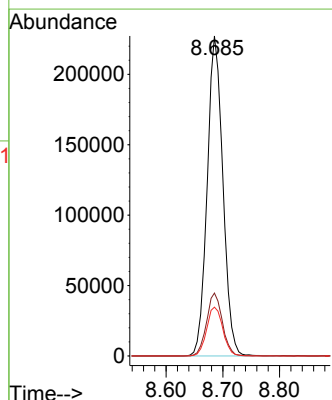
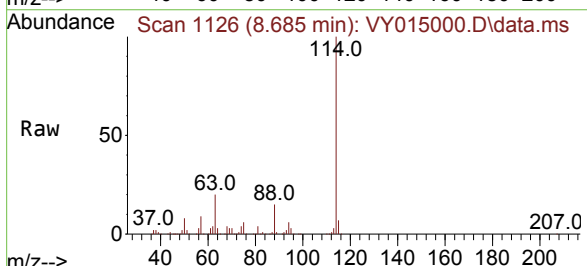
Tgt Ion: 114 Resp: 436987

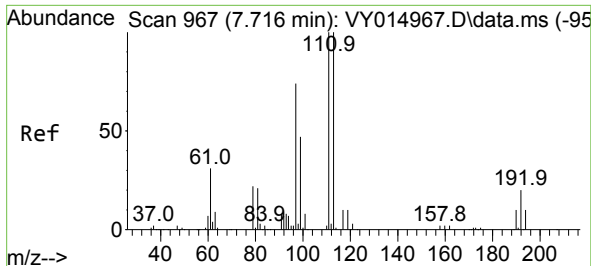
Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

88 15.2 0.0 30.6

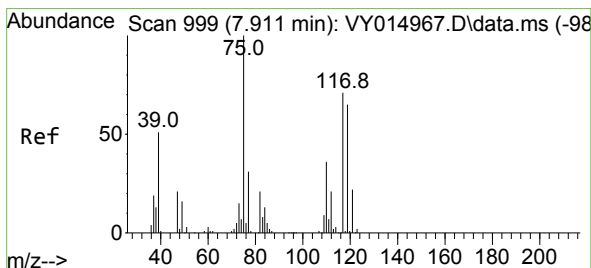
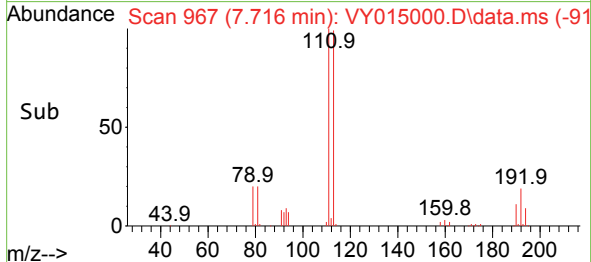
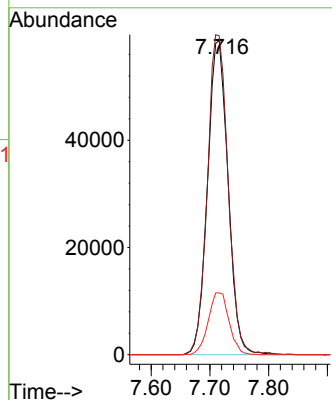
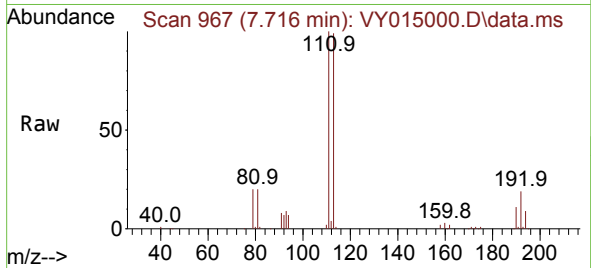




#35
Dibromofluoromethane
Concen: 50.845 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY015000.D
Acq: 09 Aug 2023 13:05

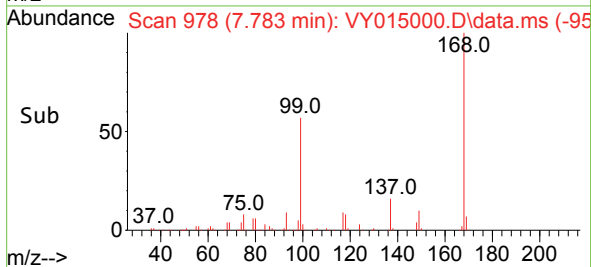
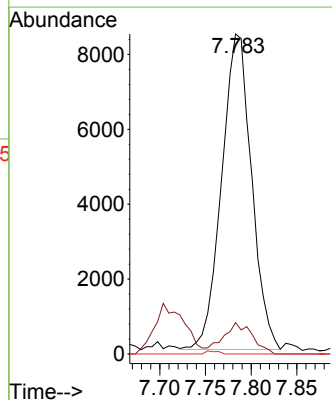
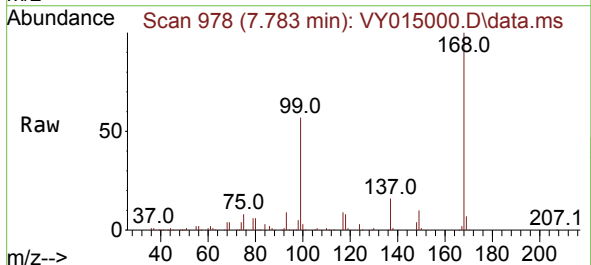
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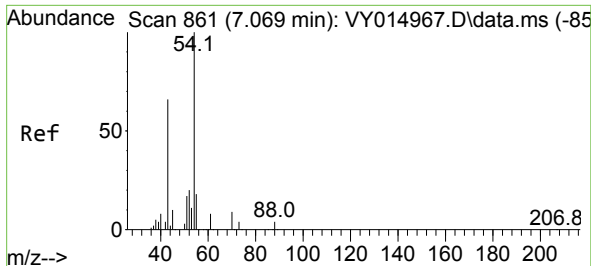
Tgt Ion:113 Resp: 142084
Ion Ratio Lower Upper
113 100
111 102.8 81.3 121.9
192 20.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.525 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015000.D
Acq: 09 Aug 2023 13:05

Tgt Ion: 75 Resp: 19167
Ion Ratio Lower Upper
75 100
110 9.8 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 3.015 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.091 min

Lab File: VY015000.D

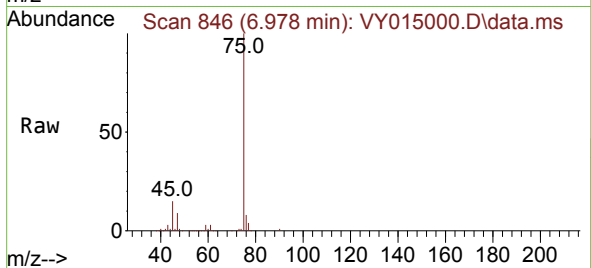
Acq: 09 Aug 2023 13:05

Instrument :

MSVOA_Y

ClientSampleId :

VY0809SBL01



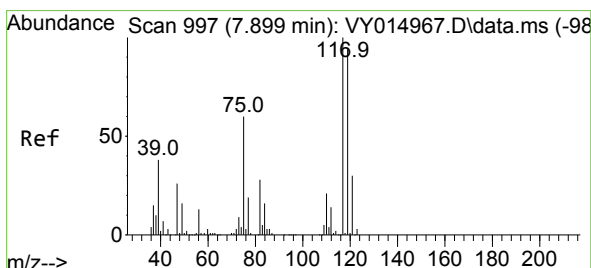
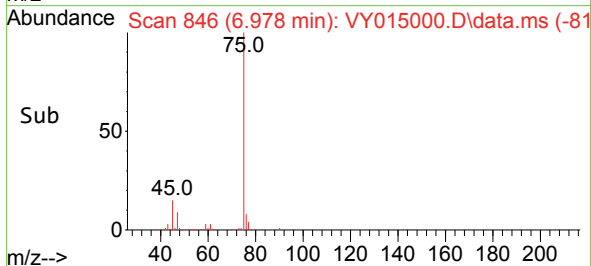
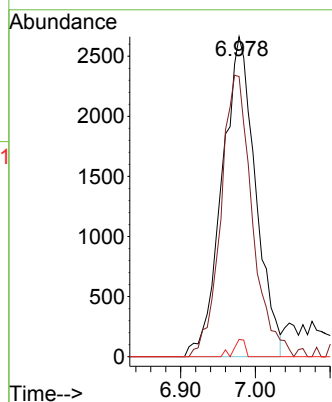
Tgt Ion: 43 Resp: 8304

Ion Ratio Lower Upper

43 100

61 82.3 10.1 15.1#

70 1.8 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.315 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY015000.D

Acq: 09 Aug 2023 13:05

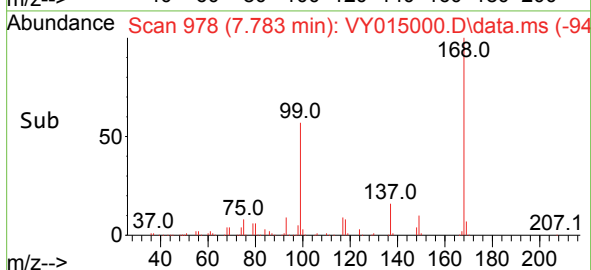
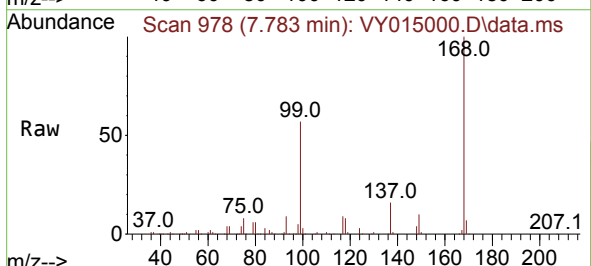
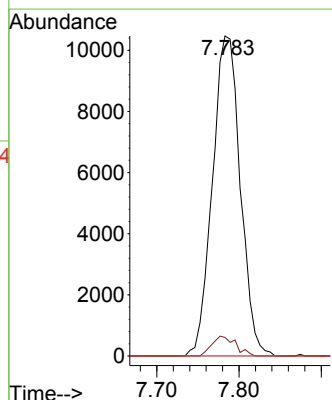
Tgt Ion: 117 Resp: 24630

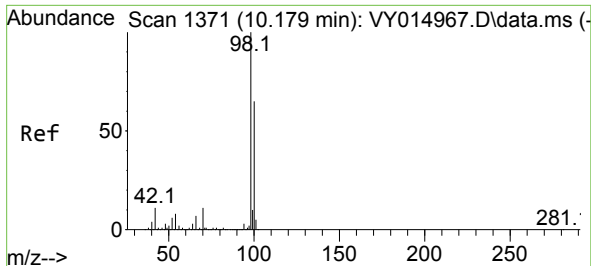
Ion Ratio Lower Upper

117 100

119 5.8 76.4 114.6#

121 0.0 25.8 38.6#

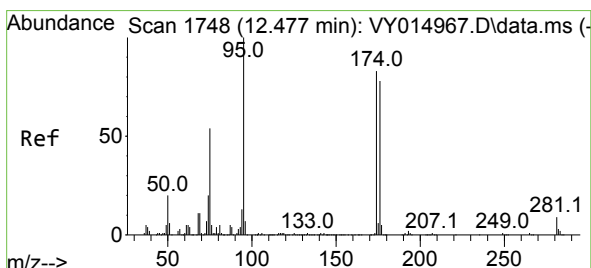
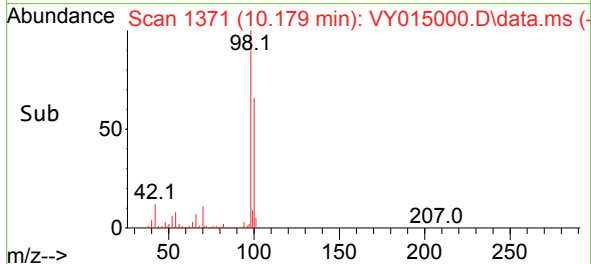
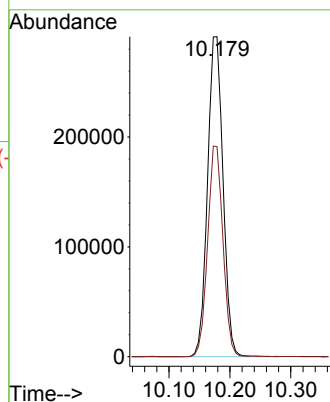
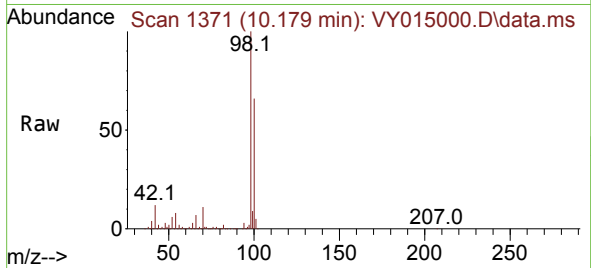




#50
Toluene-d8
Concen: 48.323 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015000.D
Acq: 09 Aug 2023 13:05

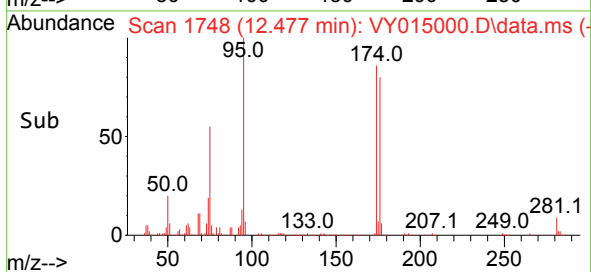
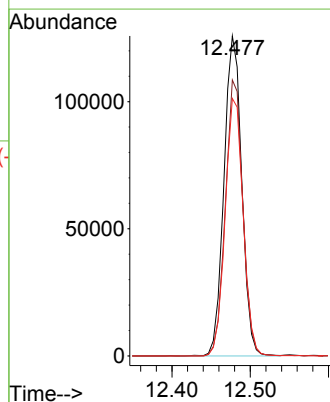
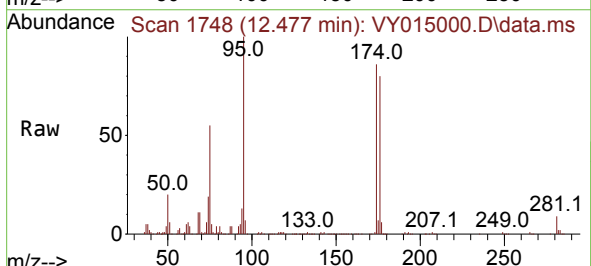
Instrument :
MSVOA_Y
ClientSampleId :
VY0809SBL01

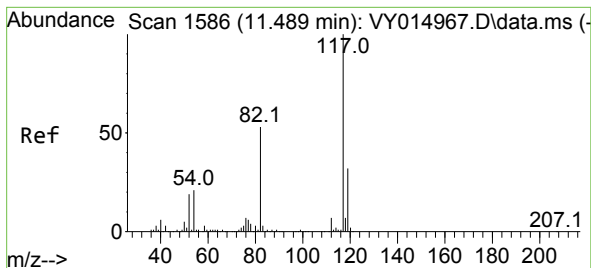
Tgt Ion: 98 Resp: 513983
Ion Ratio Lower Upper
98 100
100 65.2 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 52.631 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015000.D
Acq: 09 Aug 2023 13:05

Tgt Ion: 95 Resp: 198403
Ion Ratio Lower Upper
95 100
174 85.2 0.0 178.2
176 81.6 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: VY015000.D

Acq: 09 Aug 2023 13:05

Instrument :

MSVOA_Y

ClientSampleId :

VY0809SBL01

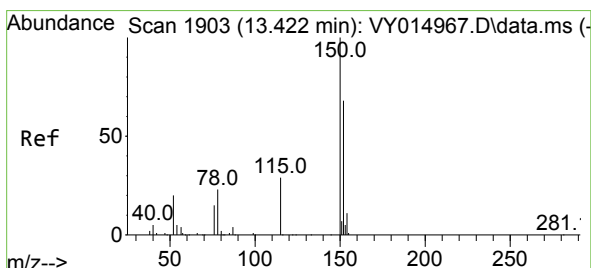
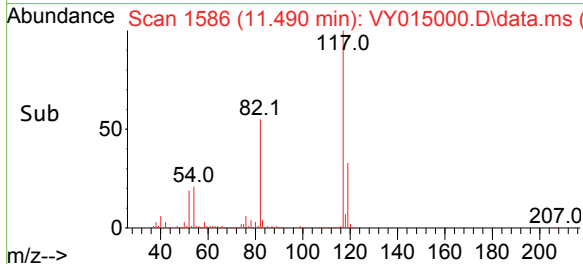
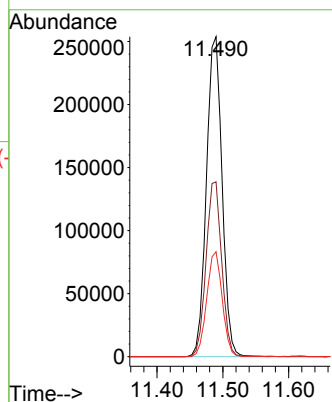
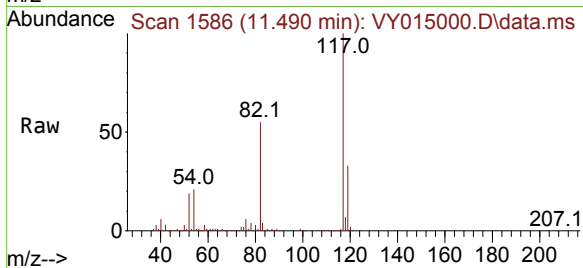
Tgt Ion:117 Resp: 419905

Ion Ratio Lower Upper

117 100

82 54.7 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. 0.000 min

Lab File: VY015000.D

Acq: 09 Aug 2023 13:05

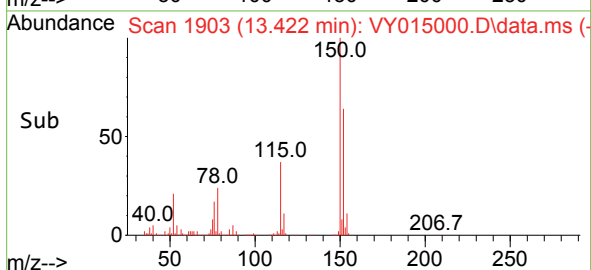
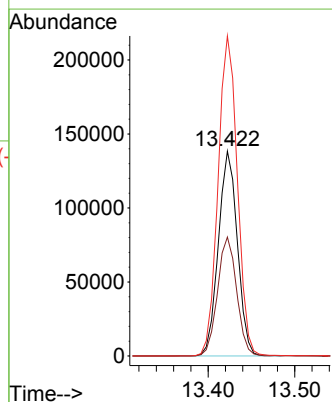
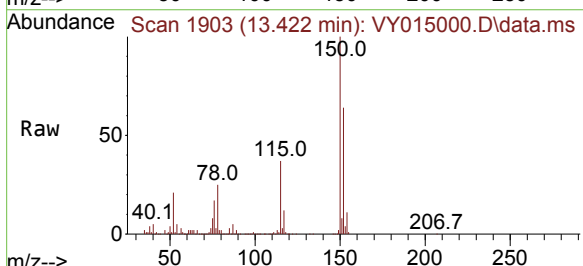
Tgt Ion:152 Resp: 211143

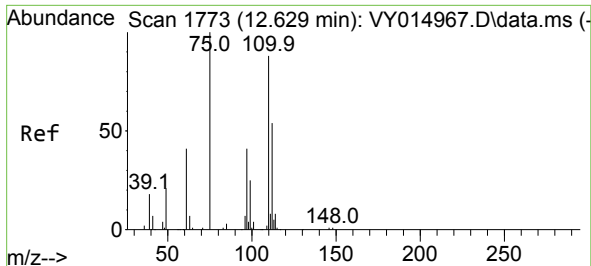
Ion Ratio Lower Upper

152 100

115 58.2 28.8 86.5

150 158.6 0.0 348.8

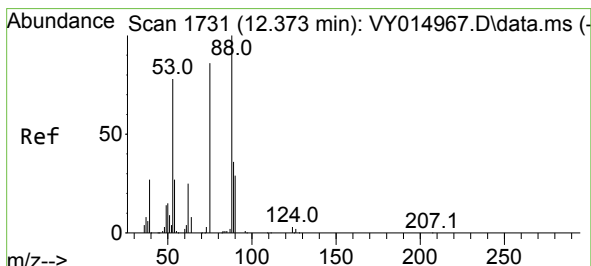
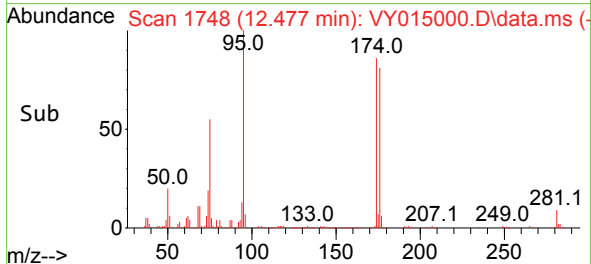
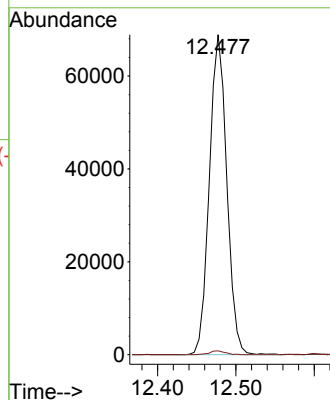
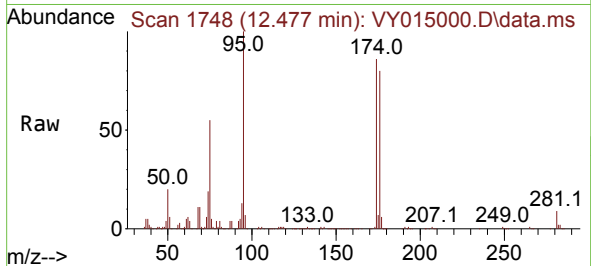




#76
1,2,3-Trichloropropane
Concen: 41.974 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015000.D
Acq: 09 Aug 2023 13:05

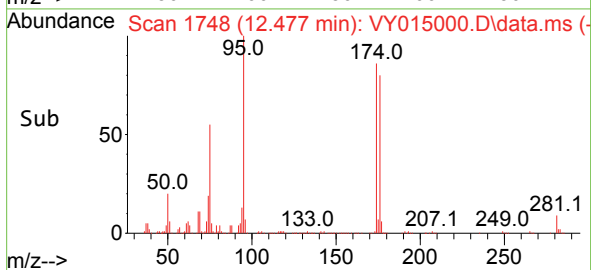
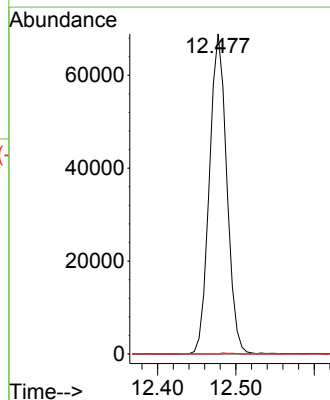
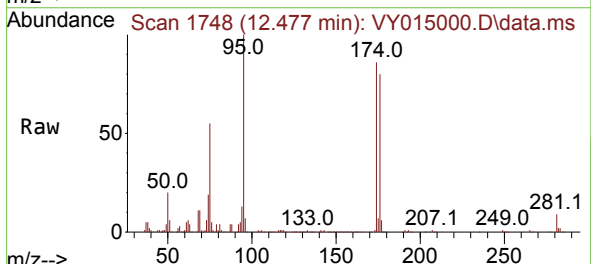
Instrument :
MSVOA_Y
ClientSampleId :
VY0809SBL01

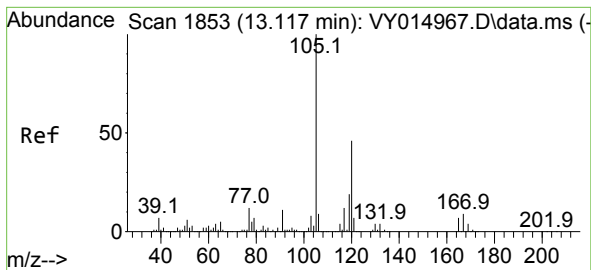
Tgt Ion: 75 Resp: 106194
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.470 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015000.D
Acq: 09 Aug 2023 13:05

Tgt Ion: 75 Resp: 106194
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.2 37.4 56.0#





#84

1,2,4-Trimethylbenzene

Concen: 1.367 ug/l

RT: 13.117 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015000.D

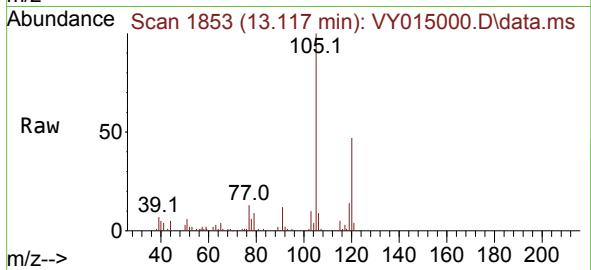
Acq: 09 Aug 2023 13:05

Instrument :

MSVOA_Y

ClientSampleId :

VY0809SBL01



Tgt Ion:105 Resp: 16023

Ion Ratio Lower Upper

105 100

120 46.0 22.2 66.6

