

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080823\
 Data File : VY014987.D
 Acq On : 08 Aug 2023 15:59
 Operator : SY/MD
 Sample : 03919-01
 Misc : 4.88g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-38

Quant Time: Aug 09 01:01:47 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)

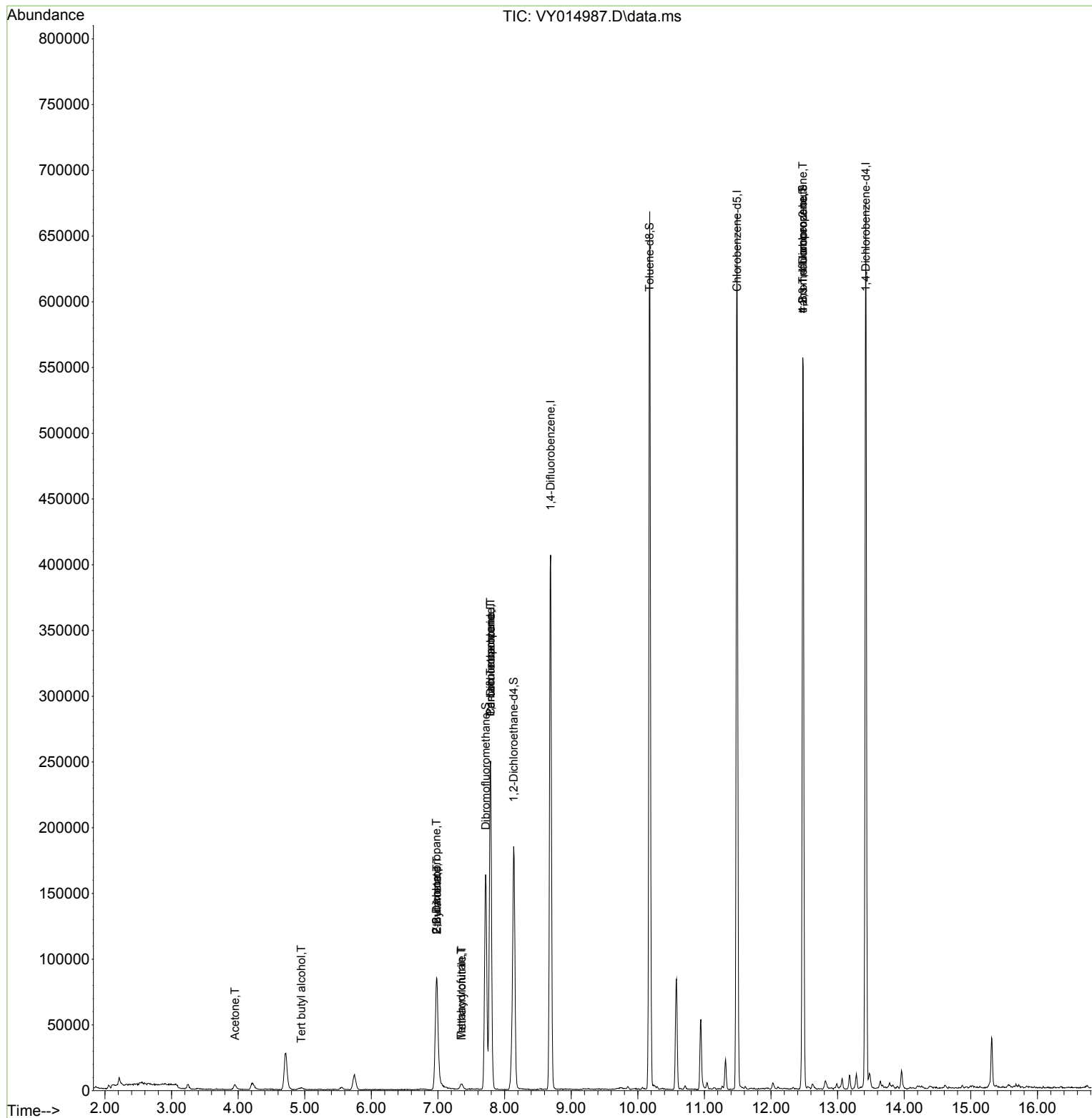
Internal Standards						
1) Pentafluorobenzene	7.789	168	196670	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	358059	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	353663	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	167256	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	132414	55.550	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.100%			
35) Dibromofluoromethane	7.716	113	116617	50.931	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.860%			
50) Toluene-d8	10.179	98	428020	49.112	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.220%			
62) 4-Bromofluorobenzene	12.477	95	159149	51.524	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.040%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	115	Below Cal	#	43
5) Bromomethane	2.650	94	417	Below Cal	#	70
11) Tert butyl alcohol	4.948	59	1537	2.672	ug/l #	96
16) Acetone	3.954	43	6699	9.012	ug/l	99
20) Methylene Chloride	4.710	84	21430	Below Cal		91
25) 2-Butanone	6.984	43	6809	6.396	ug/l	99
26) 2,2-Dichloropropane	6.978	77	6319	1.826	ug/l #	54
29) Tetrahydrofuran	7.350	42	3145	5.037	ug/l #	76
31) Cyclohexane	7.783	56	3984	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	15679	5.515	ug/l #	50
37) Ethyl Acetate	6.984	43	6809	3.018	ug/l #	21
38) Carbon Tetrachloride	7.789	117	20143	6.303	ug/l #	17
41) Methacrylonitrile	7.356	41	2072	1.890	ug/l #	40
76) 1,2,3-Trichloropropane	12.477	75	87164	43.492	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	87164	95.815	ug/l #	11

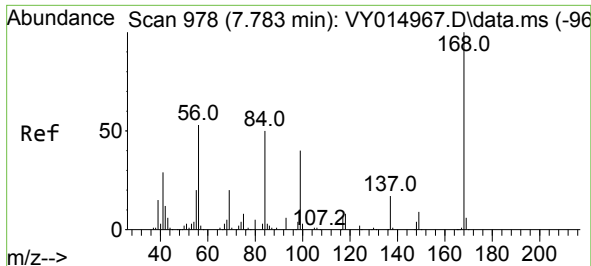
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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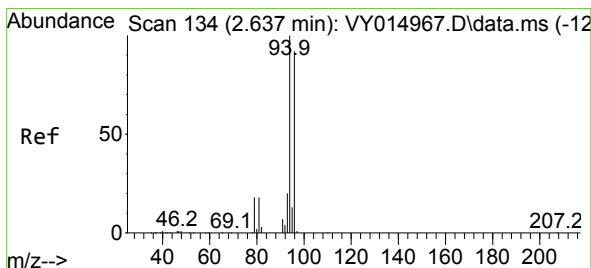
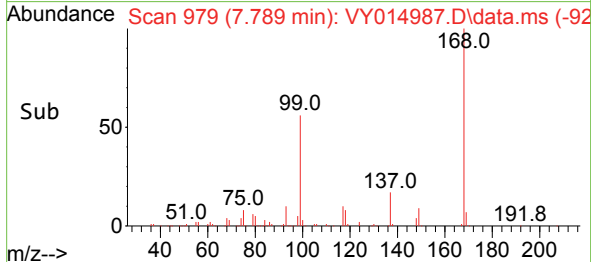
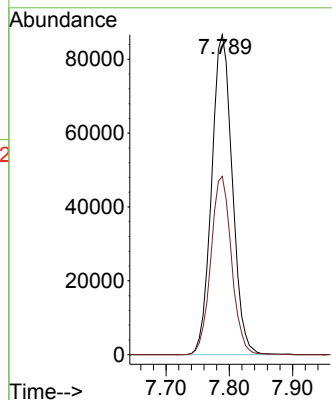
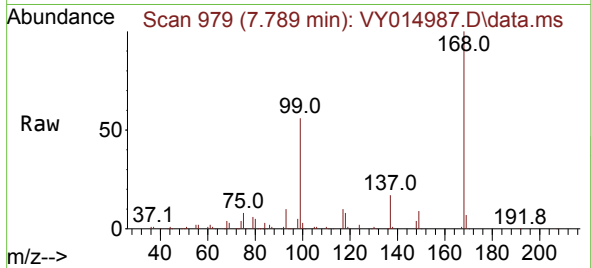




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014987.D
Acq: 08 Aug 2023 15:59

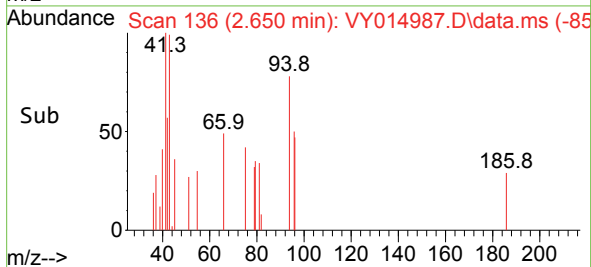
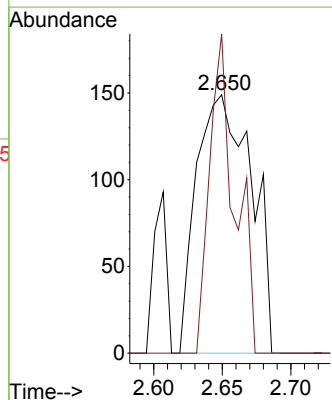
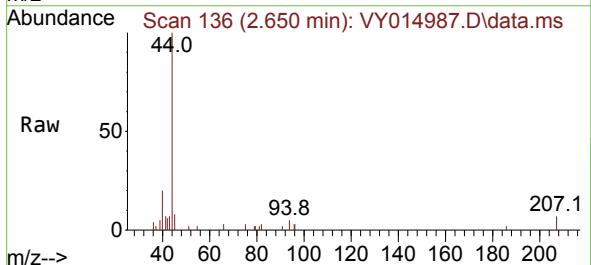
Instrument :
MSVOA_Y
ClientSampleId :
TP-38

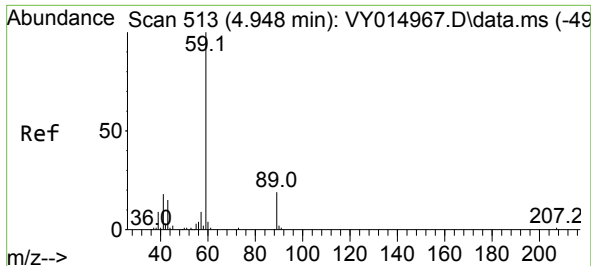
Tgt Ion:168 Resp: 196670
Ion Ratio Lower Upper
168 100
99 55.8 43.4 65.0



#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 136
Delta R.T. 0.013 min
Lab File: VY014987.D
Acq: 08 Aug 2023 15:59

Tgt Ion: 94 Resp: 417
Ion Ratio Lower Upper
94 100
96 123.5 75.8 113.6#

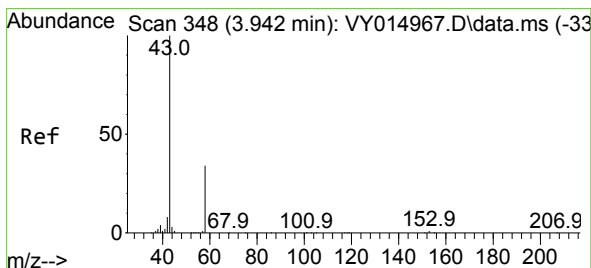
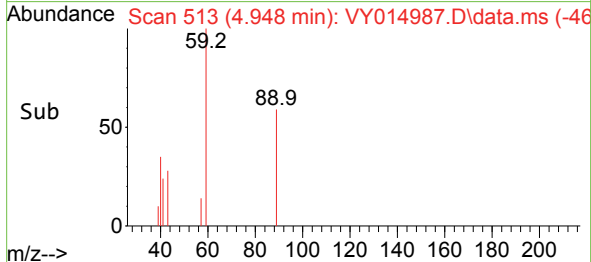
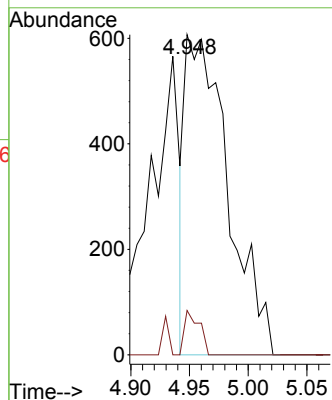
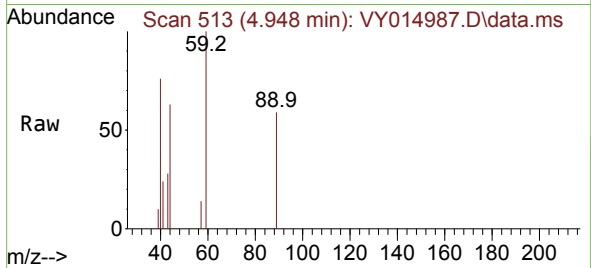




#11
Tert butyl alcohol
Concen: 2.672 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY014987.D
Acq: 08 Aug 2023 15:59

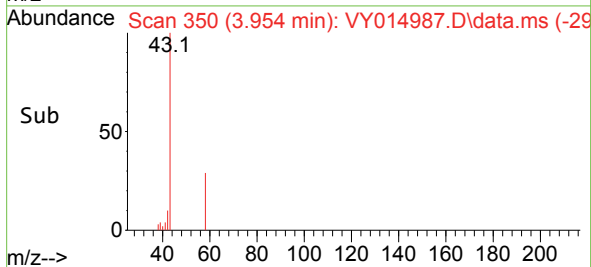
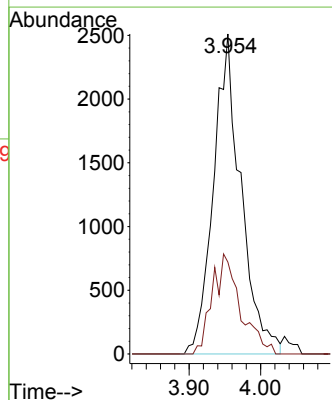
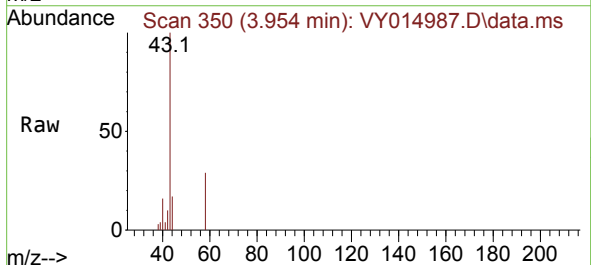
Instrument :
MSVOA_Y
ClientSampleId :
TP-38

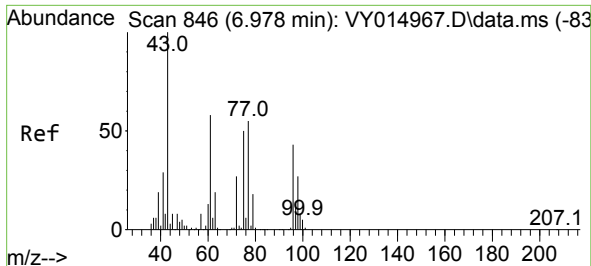
Tgt Ion: 59 Resp: 1537
Ion Ratio Lower Upper
59 100
57 4.9 3.0 4.4#



#16
Acetone
Concen: 9.012 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY014987.D
Acq: 08 Aug 2023 15:59

Tgt Ion: 43 Resp: 6699
Ion Ratio Lower Upper
43 100
58 28.7 22.7 34.1

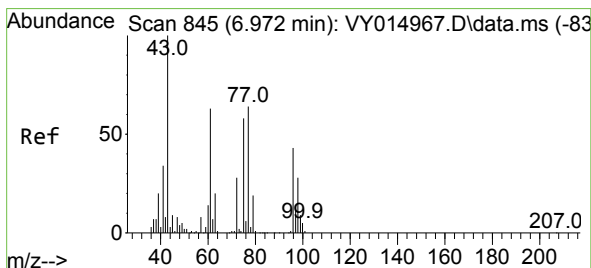
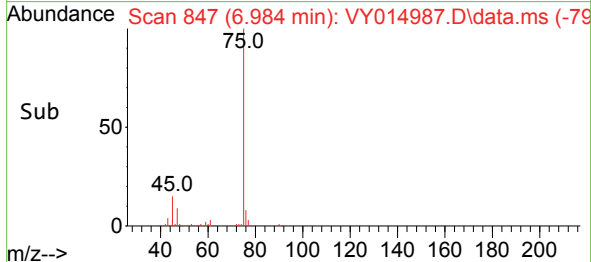
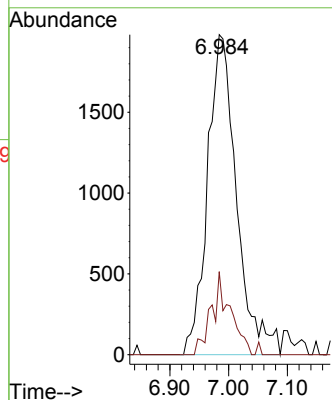
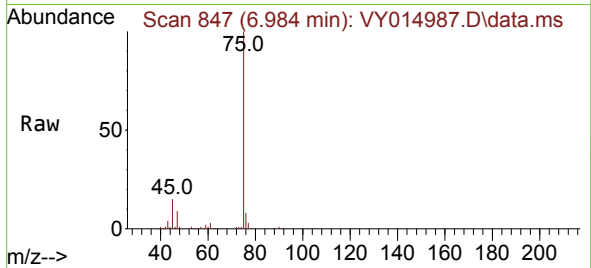




#25
2-Butanone
Concen: 6.396 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY014987.D
Acq: 08 Aug 2023 15:59

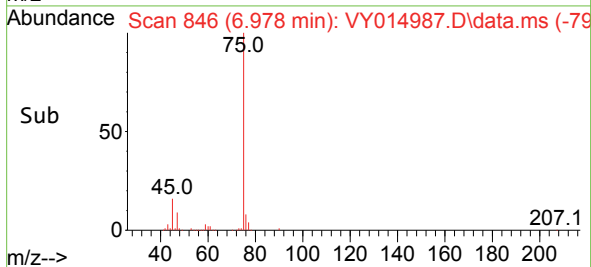
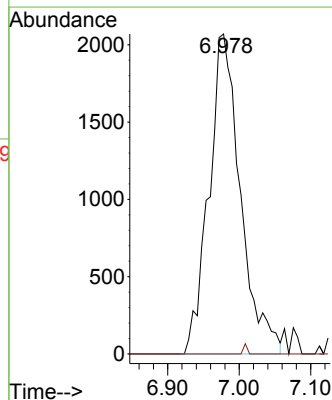
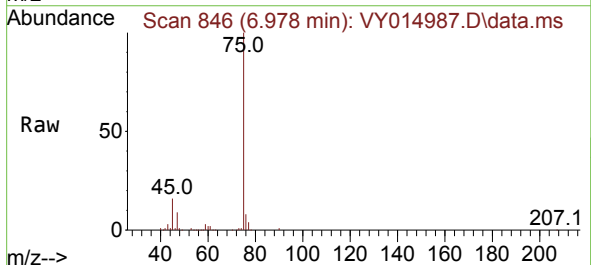
Instrument :
MSVOA_Y
ClientSampleId :
TP-38

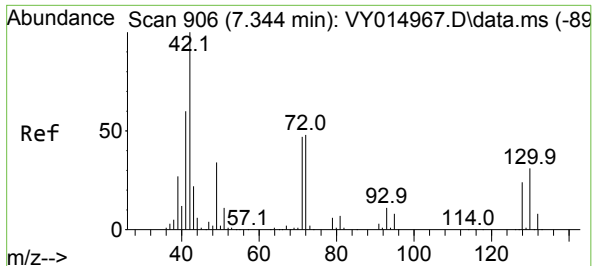
Tgt Ion: 43 Resp: 6809
Ion Ratio Lower Upper
43 100
72 26.0 20.5 30.7



#26
2,2-Dichloropropane
Concen: 1.826 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY014987.D
Acq: 08 Aug 2023 15:59

Tgt Ion: 77 Resp: 6319
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#





#29

Tetrahydrofuran

Concen: 5.037 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY014987.D

Acq: 08 Aug 2023 15:59

Instrument :

MSVOA_Y

ClientSampleId :

TP-38

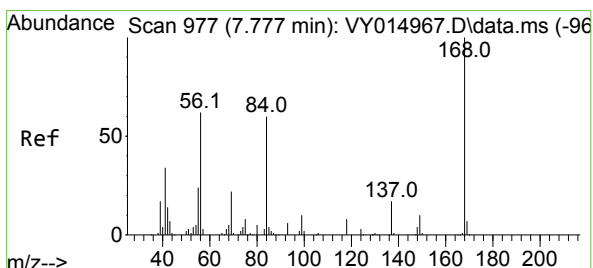
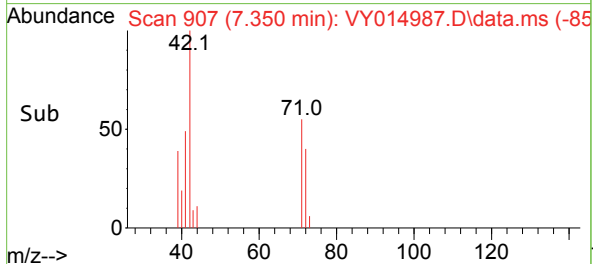
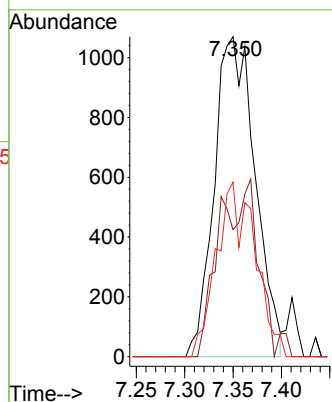
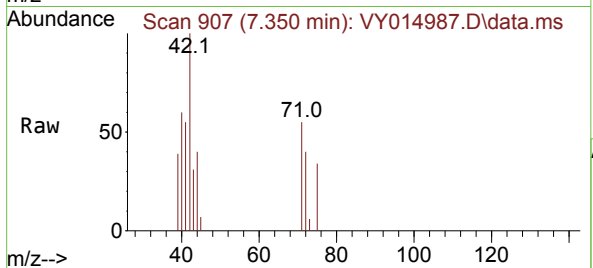
Tgt Ion: 42 Resp: 3145

Ion Ratio Lower Upper

42 100

72 24.6 32.8 49.2#

71 51.6 31.0 46.4#



#31

Cyclohexane

Concen: Below Cal

RT: 7.783 min Scan# 978

Delta R.T. 0.006 min

Lab File: VY014987.D

Acq: 08 Aug 2023 15:59

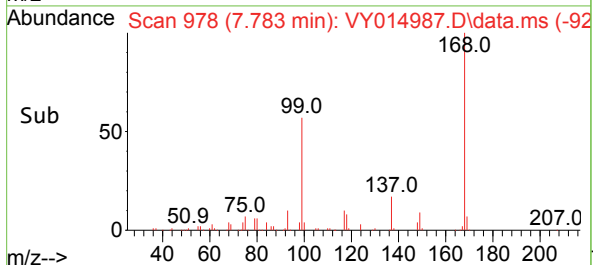
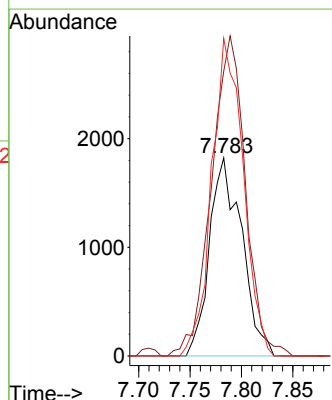
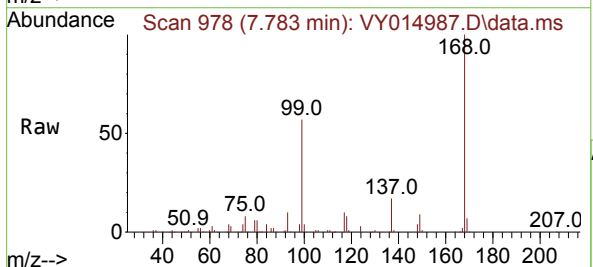
Tgt Ion: 56 Resp: 3984

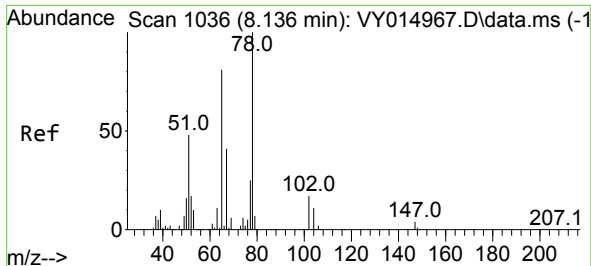
Ion Ratio Lower Upper

56 100

69 140.1 27.8 41.6#

84 160.2 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 55.550 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY014987.D

Acq: 08 Aug 2023 15:59

Instrument :

MSVOA_Y

ClientSampleId :

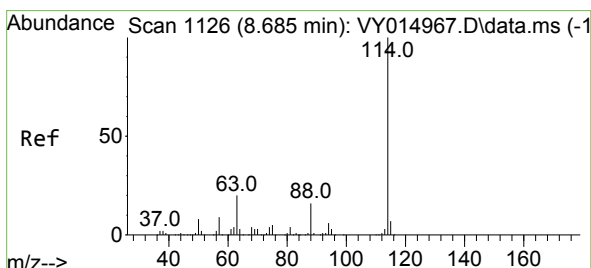
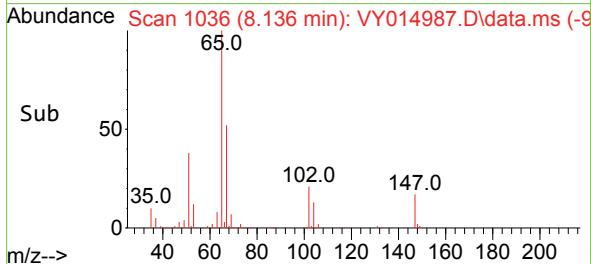
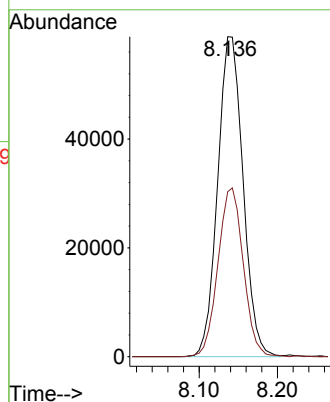
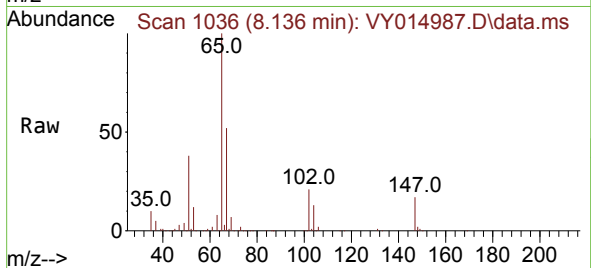
TP-38

Tgt Ion: 65 Resp: 132414

Ion Ratio Lower Upper

65 100

67 52.7 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: VY014987.D

Acq: 08 Aug 2023 15:59

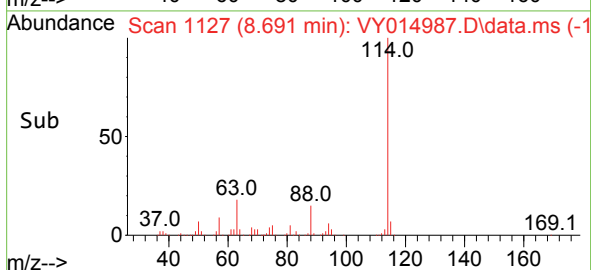
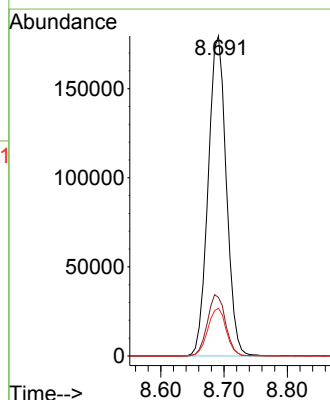
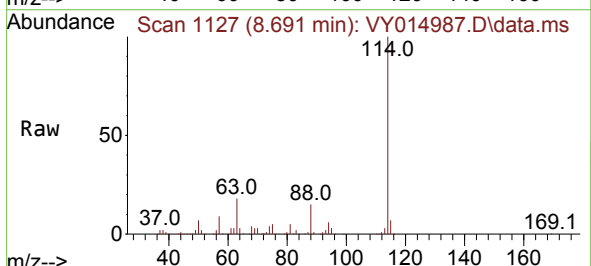
Tgt Ion: 114 Resp: 358059

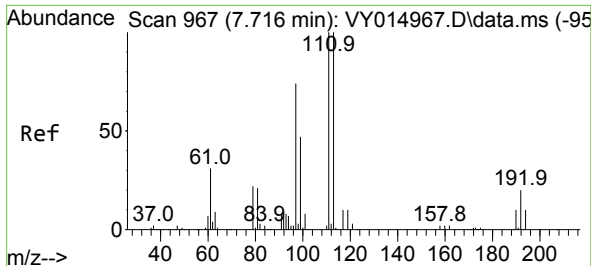
Ion Ratio Lower Upper

114 100

63 18.3 0.0 42.4

88 14.9 0.0 30.6

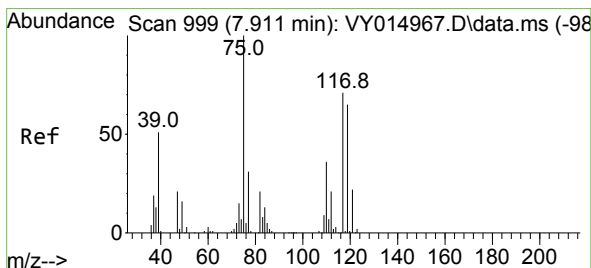
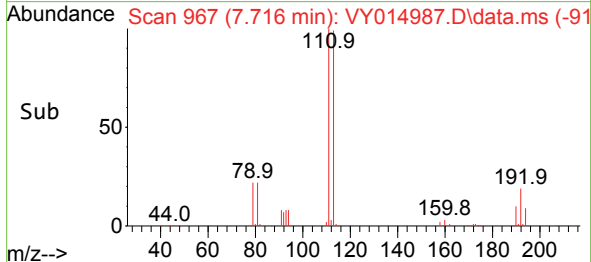
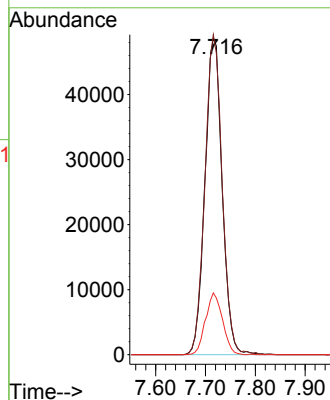
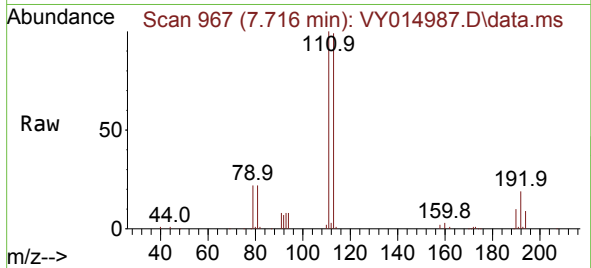




#35
Dibromofluoromethane
Concen: 50.931 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY014987.D
Acq: 08 Aug 2023 15:59

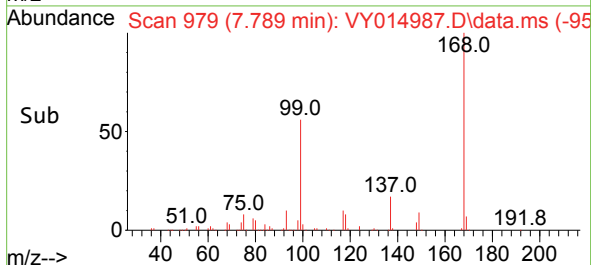
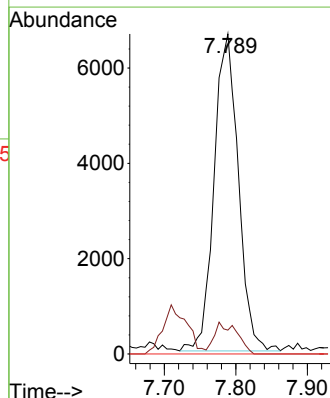
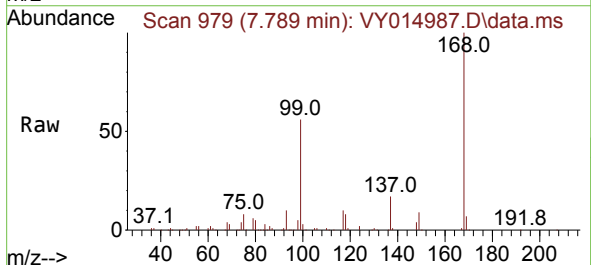
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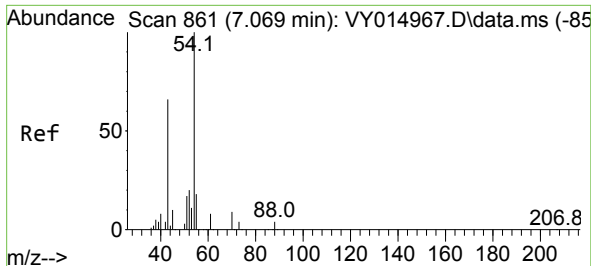
Tgt Ion:113 Resp: 116617
Ion Ratio Lower Upper
113 100
111 101.5 81.3 121.9
192 19.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.515 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY014987.D
Acq: 08 Aug 2023 15:59

Tgt Ion: 75 Resp: 15679
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 3.018 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.085 min

Lab File: VY014987.D

Acq: 08 Aug 2023 15:59

Instrument :

MSVOA_Y

ClientSampleId :

TP-38

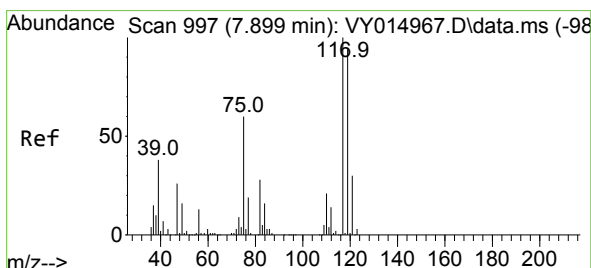
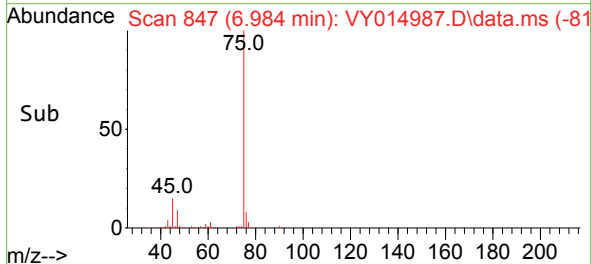
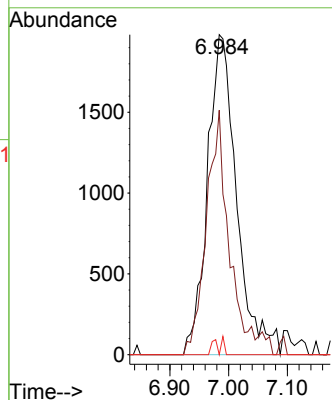
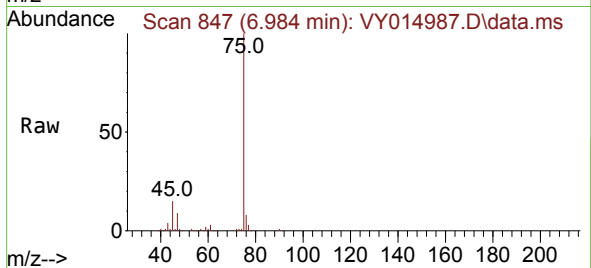
Tgt Ion: 43 Resp: 6809

Ion Ratio Lower Upper

43 100

61 59.4 10.1 15.1#

70 0.9 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.303 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY014987.D

Acq: 08 Aug 2023 15:59

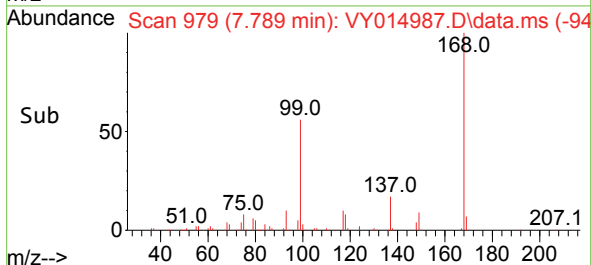
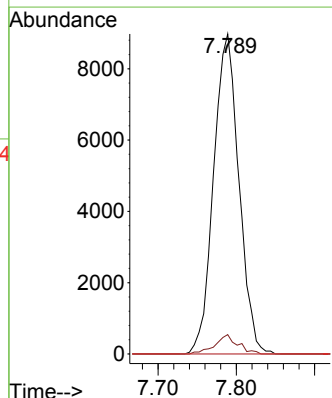
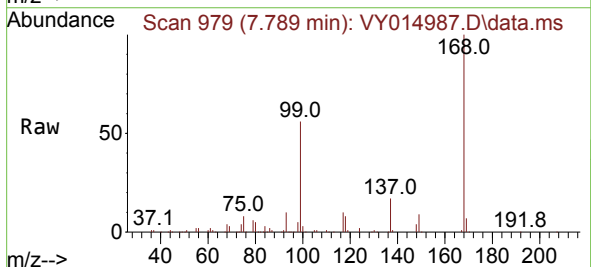
Tgt Ion: 117 Resp: 20143

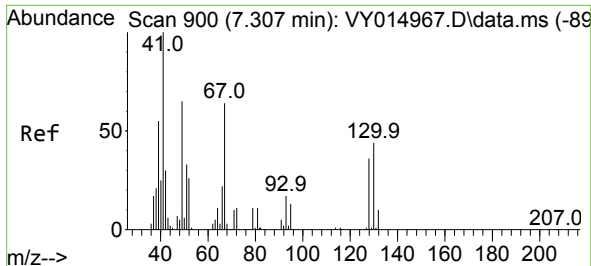
Ion Ratio Lower Upper

117 100

119 6.1 76.4 114.6#

121 0.0 25.8 38.6#

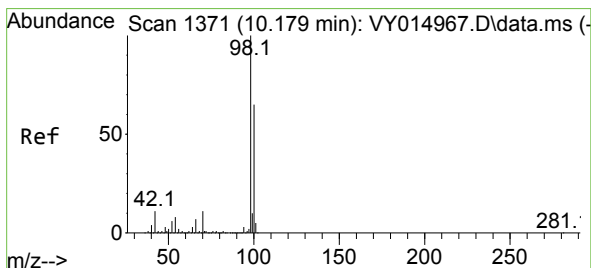
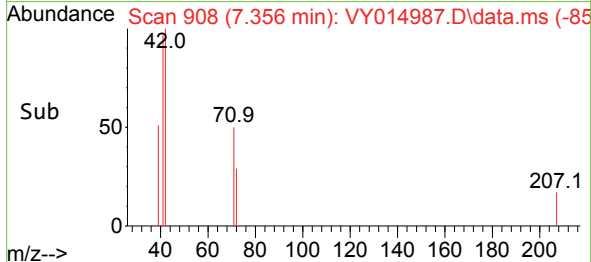
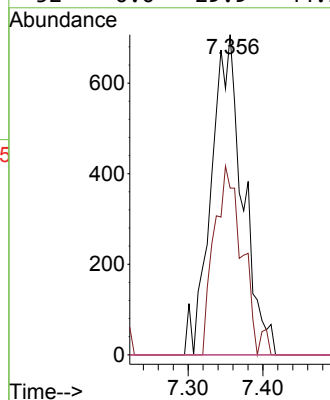
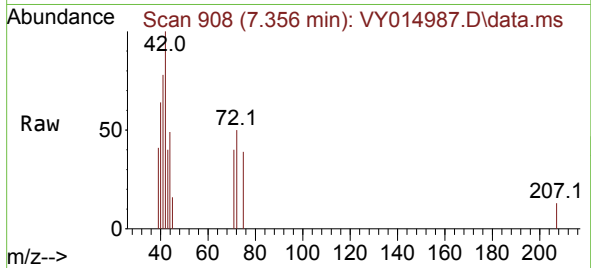




#41
Methacrylonitrile
Concen: 1.890 ug/l
RT: 7.356 min Scan# 900
Delta R.T. 0.049 min
Lab File: VY014987.D
Acq: 08 Aug 2023 15:59

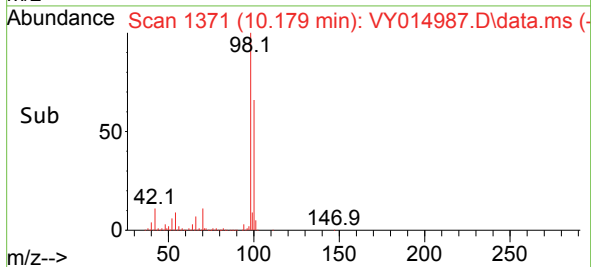
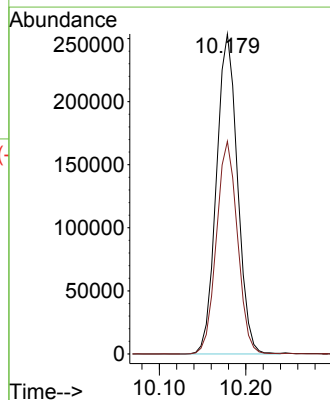
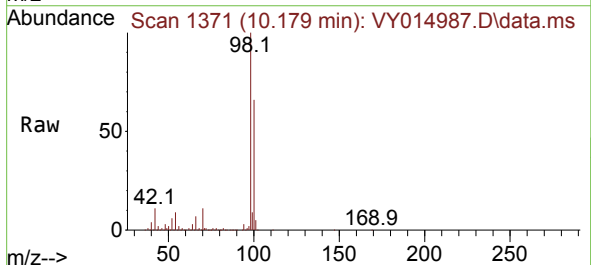
Instrument :
MSVOA_Y
ClientSampleId :
TP-38

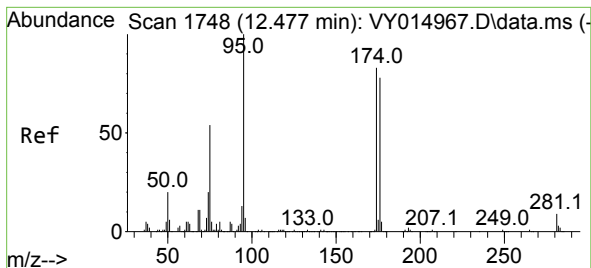
Tgt Ion:	41	Resp:	2072
Ion	Ratio	Lower	Upper
41	100		
39	51.1	52.1	78.1#
67	0.0	66.2	99.2#
52	0.0	29.9	44.9#



#50
Toluene-d8
Concen: 49.112 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY014987.D
Acq: 08 Aug 2023 15:59

Tgt Ion:	98	Resp:	428020
Ion	Ratio	Lower	Upper
98	100		
100	66.4	50.1	75.1

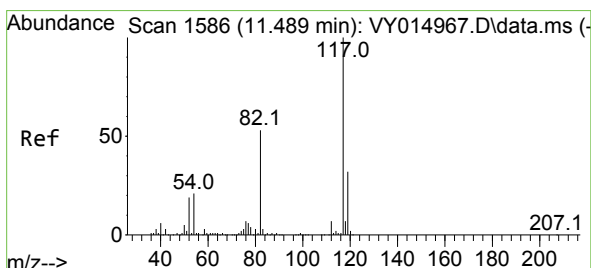
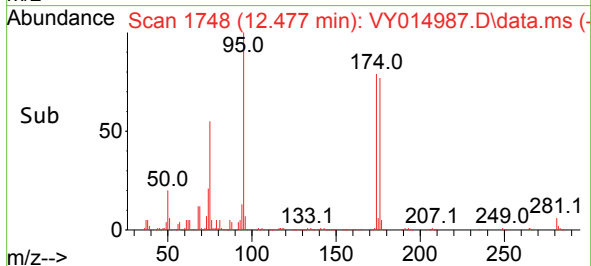
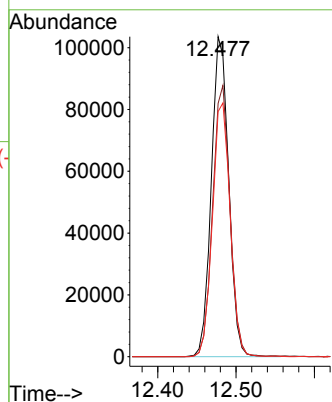
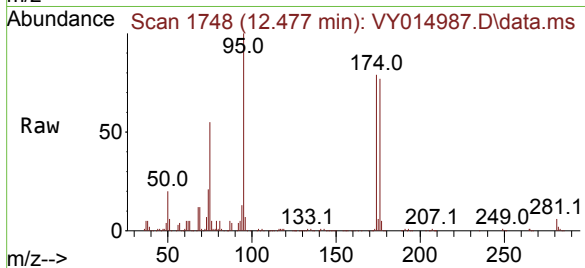




#62
4-Bromofluorobenzene
Concen: 51.524 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014987.D
Acq: 08 Aug 2023 15:59

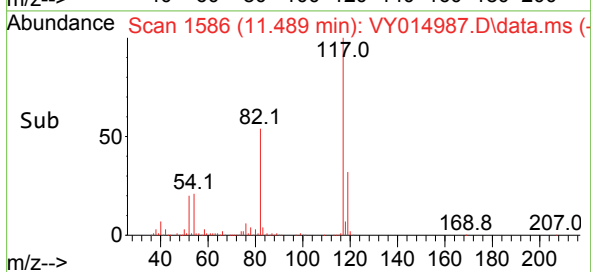
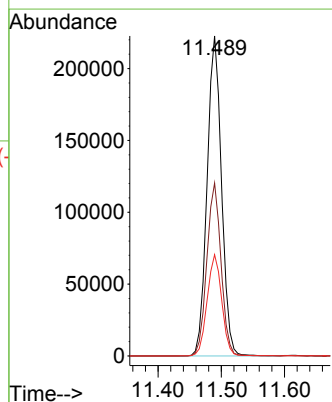
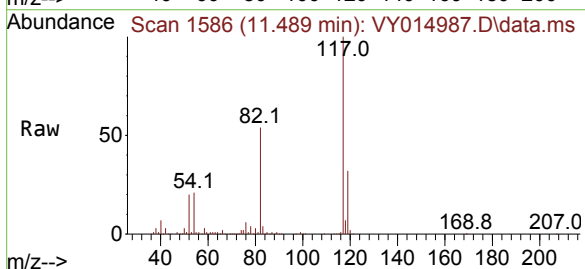
Instrument :
MSVOA_Y
ClientSampleId :
TP-38

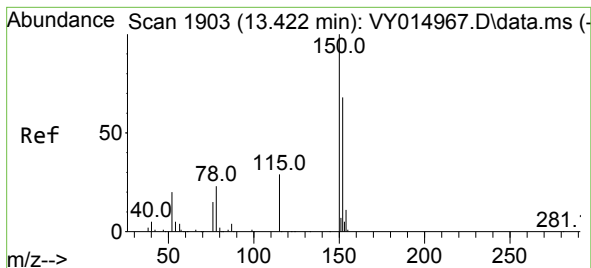
Tgt Ion: 95 Resp: 159149
Ion Ratio Lower Upper
95 100
174 85.1 0.0 178.2
176 81.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014987.D
Acq: 08 Aug 2023 15:59

Tgt Ion: 117 Resp: 353663
Ion Ratio Lower Upper
117 100
82 54.1 43.4 65.0
119 31.6 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: VY014987.D

Acq: 08 Aug 2023 15:59

Instrument :

MSVOA_Y

ClientSampleId :

TP-38

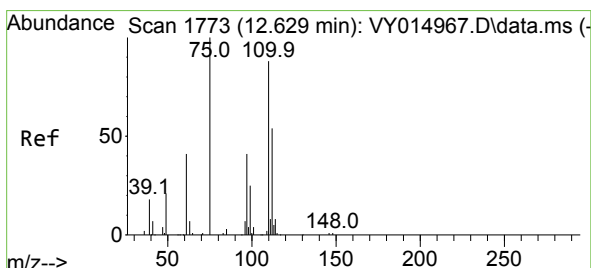
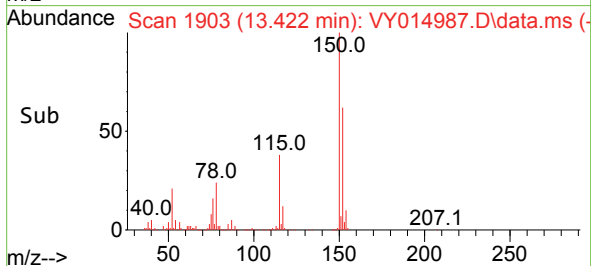
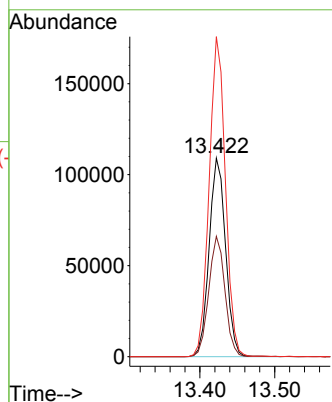
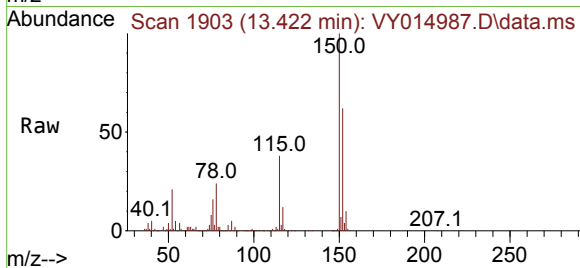
Tgt Ion:152 Resp: 167256

Ion Ratio Lower Upper

152 100

115 59.7 28.8 86.5

150 158.7 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 43.492 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY014987.D

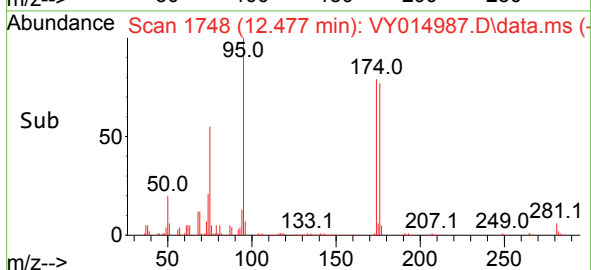
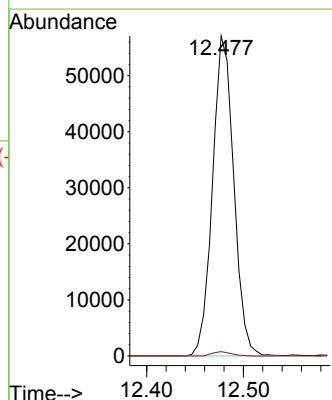
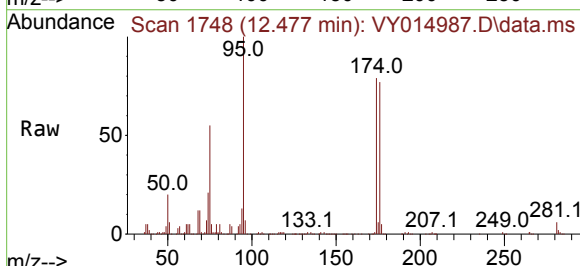
Acq: 08 Aug 2023 15:59

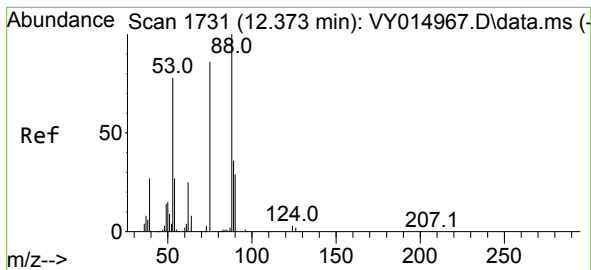
Tgt Ion: 75 Resp: 87164

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.815 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014987.D
 Acq: 08 Aug 2023 15:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-38

Tgt Ion: 75 Resp: 87164
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.1 37.4 56.0#

