

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080823\
 Data File : VY014985.D
 Acq On : 08 Aug 2023 15:12
 Operator : SY/MD
 Sample : 03895-01
 Misc : 3.55g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MCLEAN-TP11

Quant Time: Aug 09 01:01:05 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)

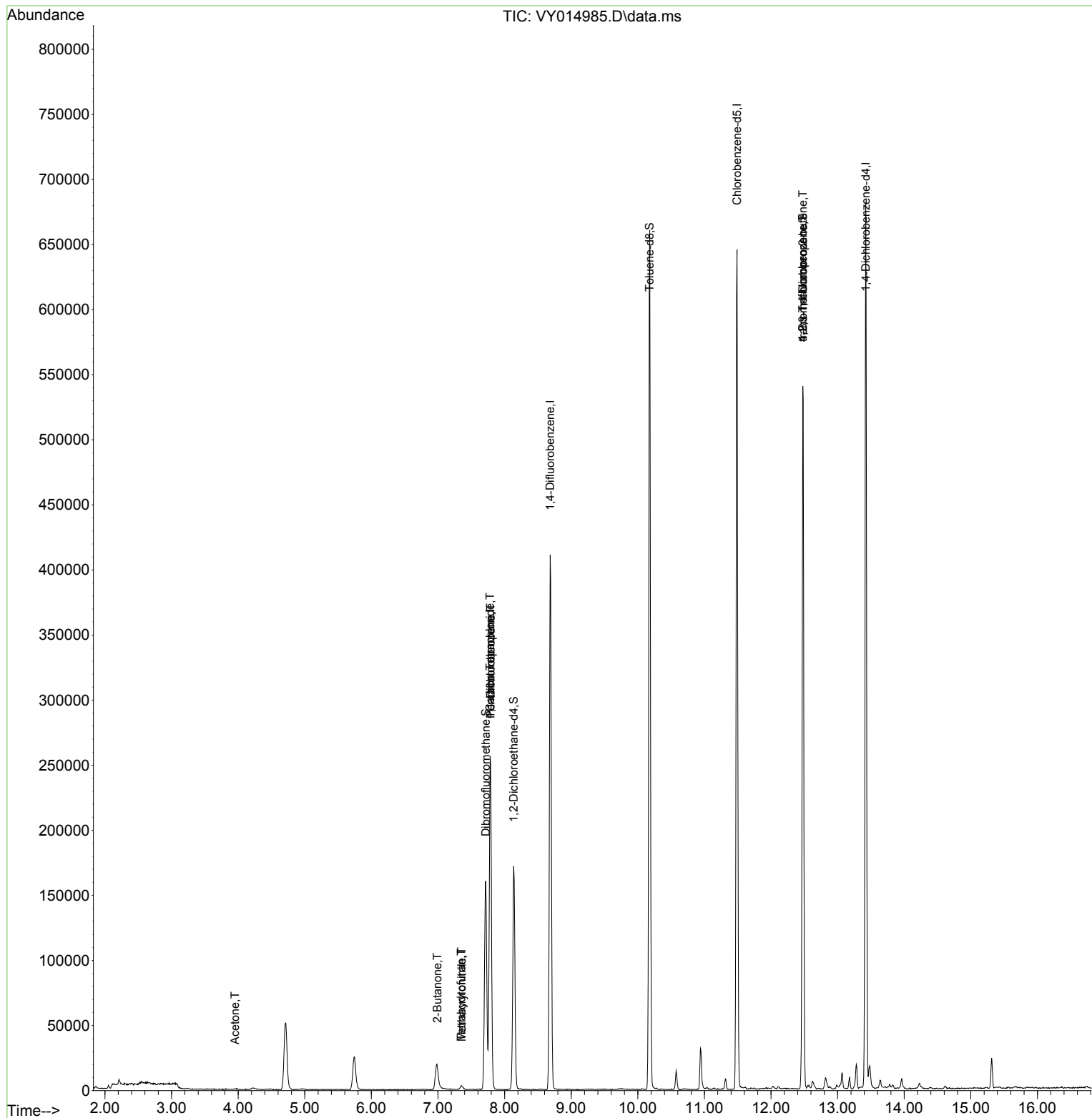
Internal Standards						
1) Pentafluorobenzene	7.789	168	200890	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	358370	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	353876	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	173375	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	134895	55.402	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.800%
35) Dibromofluoromethane	7.716	113	112814	49.227	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.460%
50) Toluene-d8	10.179	98	434821	49.849	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.700%
62) 4-Bromofluorobenzene	12.477	95	161981	52.396	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	104.800%
Target Compounds						
2) Dichlorodifluoromethane	1.906	85	20	Below Cal	#	43
5) Bromomethane	2.650	94	480	Below Cal		93
16) Acetone	3.954	43	1089	1.434	ug/l #	79
20) Methylene Chloride	4.716	84	40390	Below Cal		90
25) 2-Butanone	6.990	43	1248	1.148	ug/l	94
29) Tetrahydrofuran	7.350	42	2345	3.677	ug/l #	87
31) Cyclohexane	7.783	56	4381	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	15488	5.444	ug/l #	51
38) Carbon Tetrachloride	7.783	117	19716	6.164	ug/l #	17
41) Methacrylonitrile	7.356	41	1404	1.279	ug/l #	37
76) 1,2,3-Trichloropropane	12.477	75	87780	42.254	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	87780	93.086	ug/l #	11

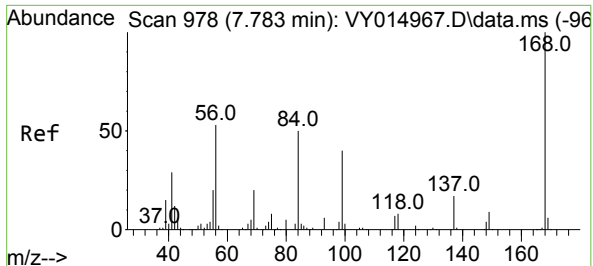
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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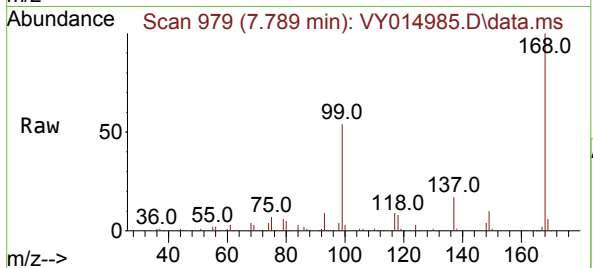
Quant Time: Aug 09 01:01:05 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 08 07:44:56 2023
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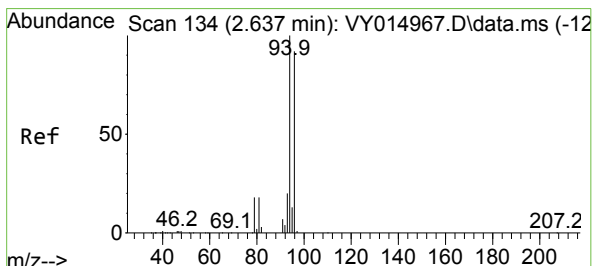
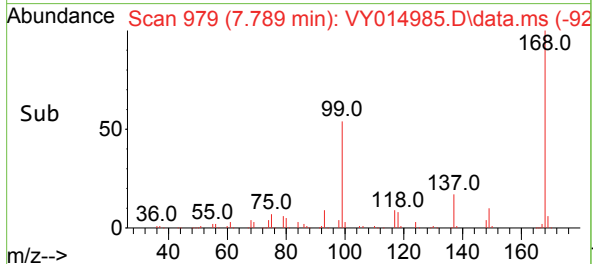
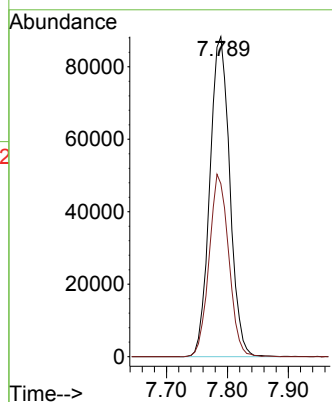


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014985.D
Acq: 08 Aug 2023 15:12

Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP11

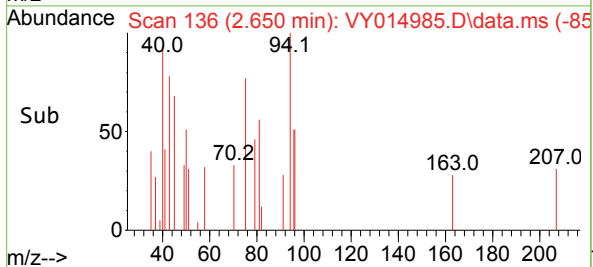
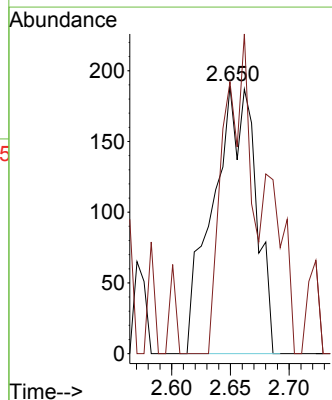
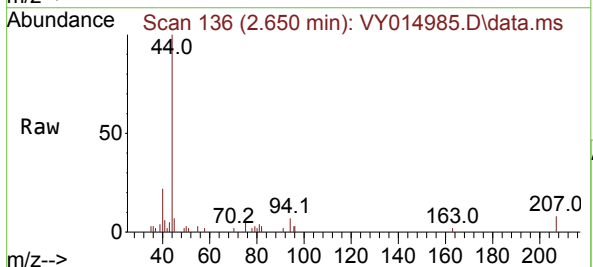


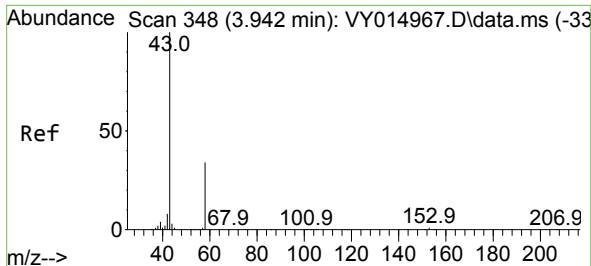
Tgt Ion:168 Resp: 200890
Ion Ratio Lower Upper
168 100
99 54.1 43.4 65.0



#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 136
Delta R.T. 0.013 min
Lab File: VY014985.D
Acq: 08 Aug 2023 15:12

Tgt Ion: 94 Resp: 480
Ion Ratio Lower Upper
94 100
96 101.6 75.8 113.6

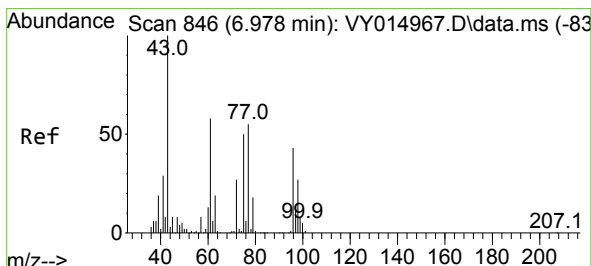
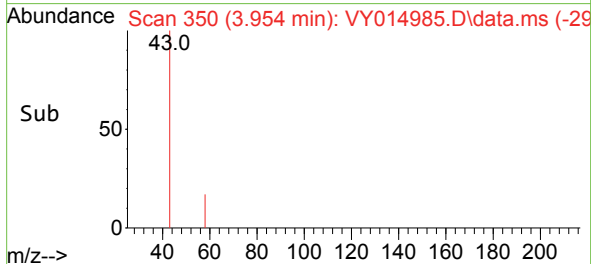
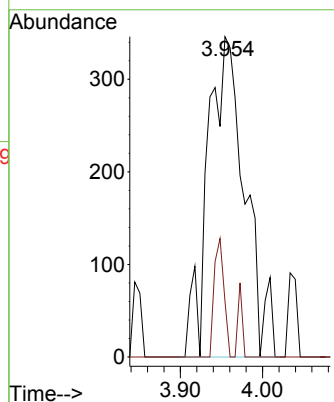
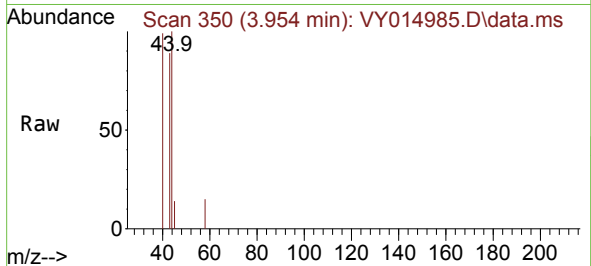




#16
Acetone
Concen: 1.434 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY014985.D
Acq: 08 Aug 2023 15:12

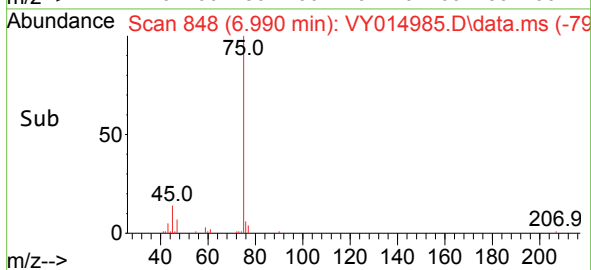
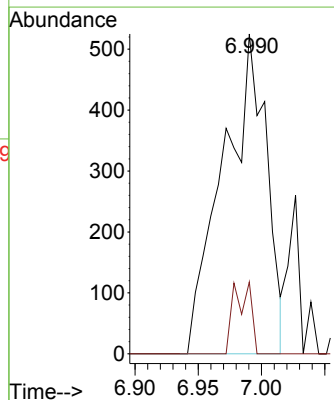
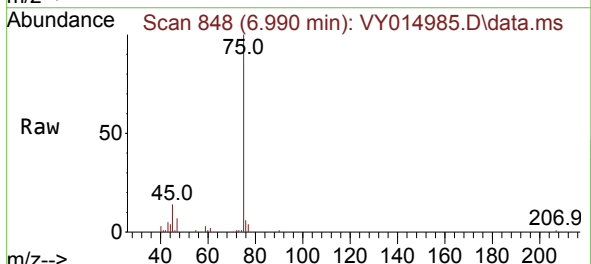
Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP11

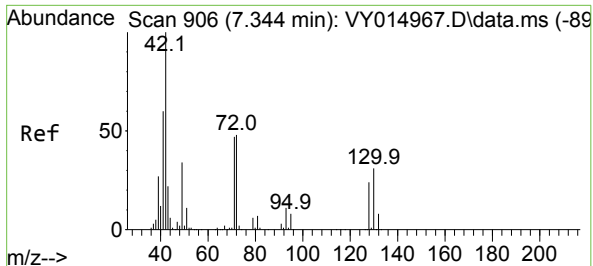
Tgt Ion: 43 Resp: 1089
Ion Ratio Lower Upper
43 100
58 17.3 22.7 34.1#



#25
2-Butanone
Concen: 1.148 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY014985.D
Acq: 08 Aug 2023 15:12

Tgt Ion: 43 Resp: 1248
Ion Ratio Lower Upper
43 100
72 22.5 20.5 30.7





#29

Tetrahydrofuran

Concen: 3.677 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY014985.D

Acq: 08 Aug 2023 15:12

Instrument :

MSVOA_Y

ClientSampleId :

MCLEAN-TP11

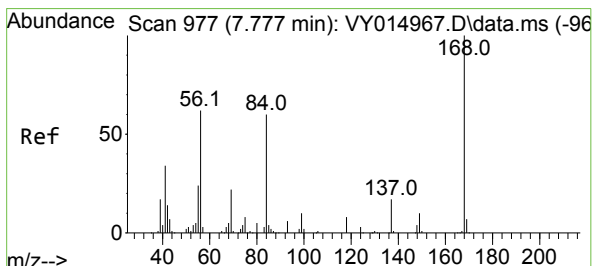
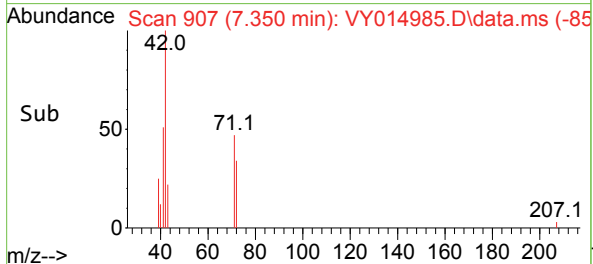
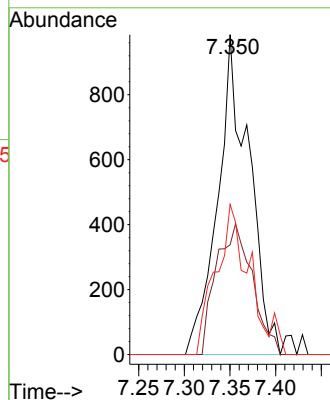
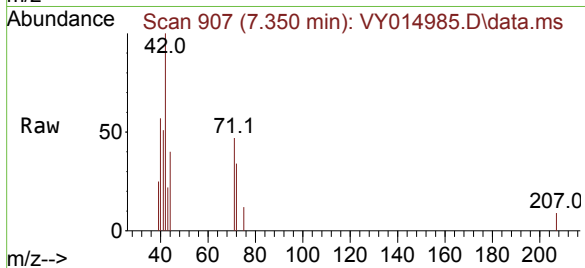
Tgt Ion: 42 Resp: 2345

Ion Ratio Lower Upper

42 100

72 47.0 32.8 49.2

71 48.2 31.0 46.4#



#31

Cyclohexane

Concen: Below Cal

RT: 7.783 min Scan# 978

Delta R.T. 0.006 min

Lab File: VY014985.D

Acq: 08 Aug 2023 15:12

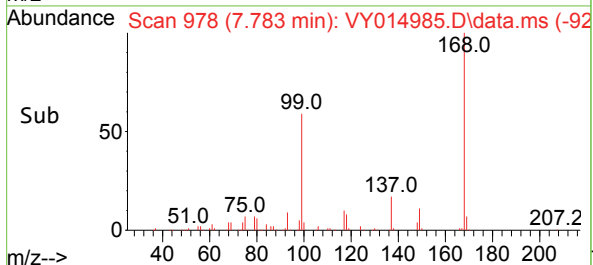
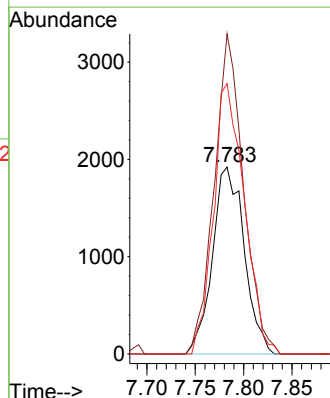
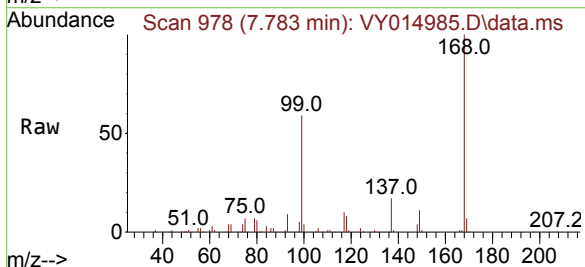
Tgt Ion: 56 Resp: 4381

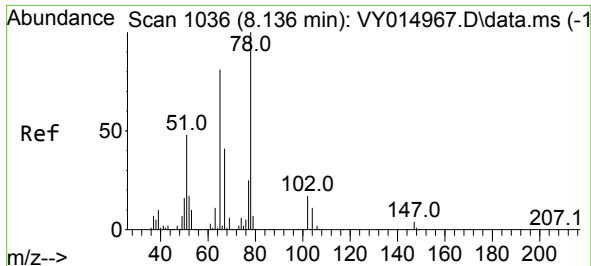
Ion Ratio Lower Upper

56 100

69 171.2 27.8 41.6#

84 144.6 66.4 99.6#

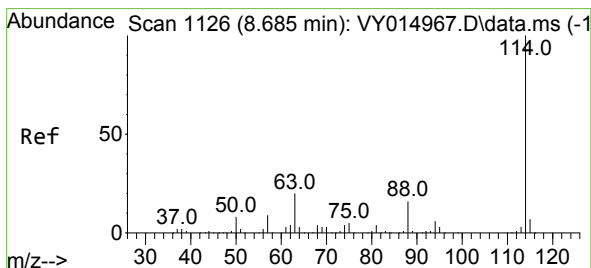
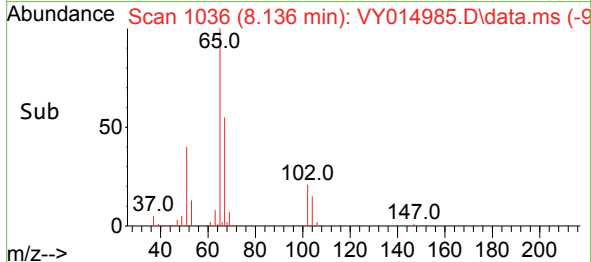
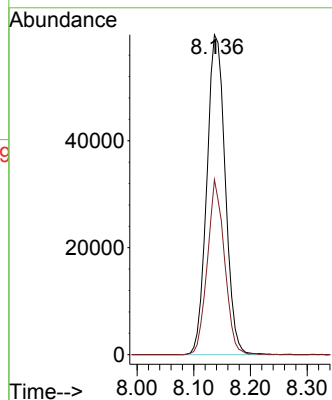
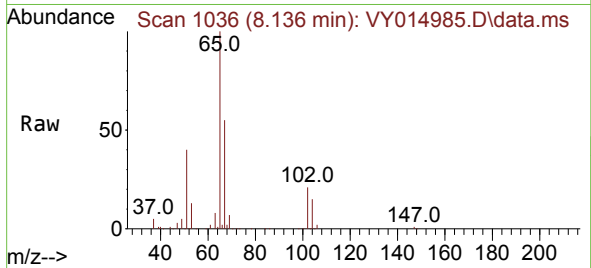




#33
 1,2-Dichloroethane-d4
 Concen: 55.402 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY014985.D
 Acq: 08 Aug 2023 15:12

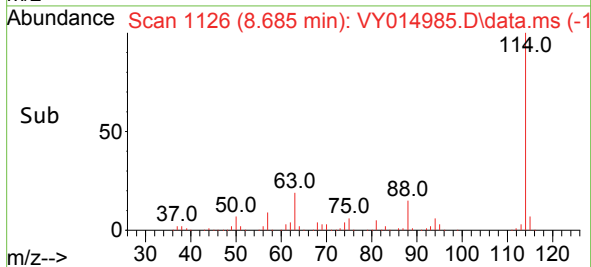
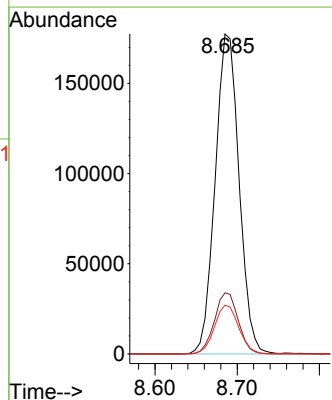
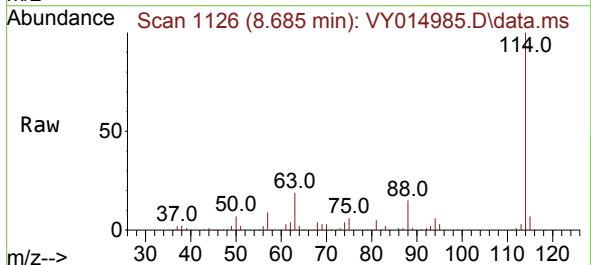
Instrument :
 MSVOA_Y
 ClientSampleId :
 MCLEAN-TP11

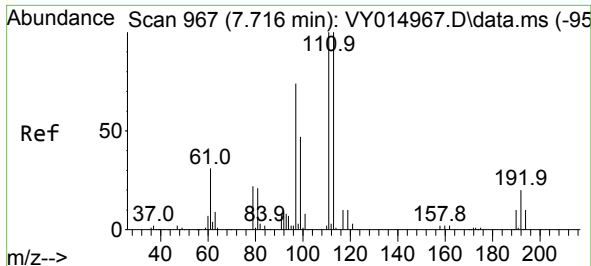
Tgt Ion: 65 Resp: 134895
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY014985.D
 Acq: 08 Aug 2023 15:12

Tgt Ion:114 Resp: 358370
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 42.4
 88 15.2 0.0 30.6

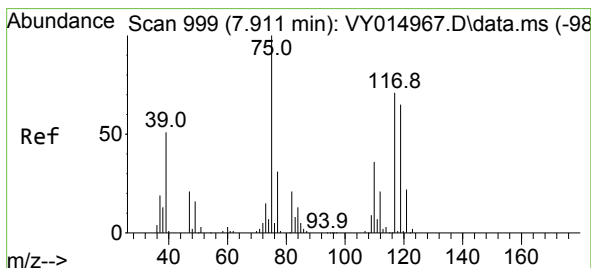
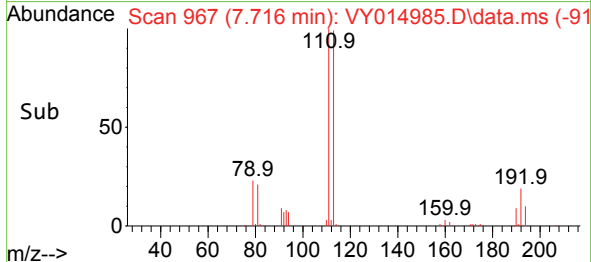
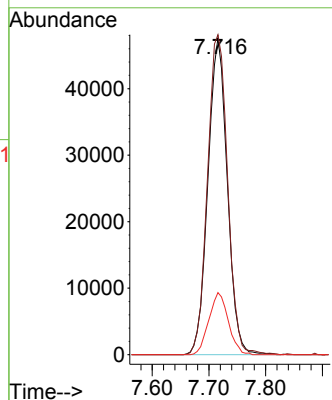
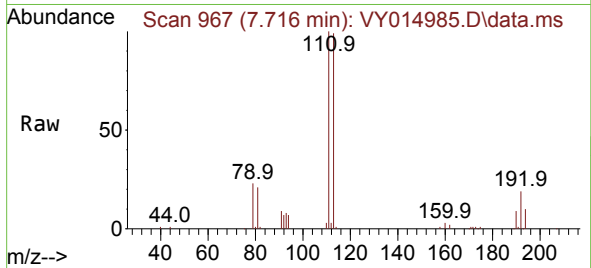




#35
Dibromofluoromethane
Concen: 49.227 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY014985.D
Acq: 08 Aug 2023 15:12

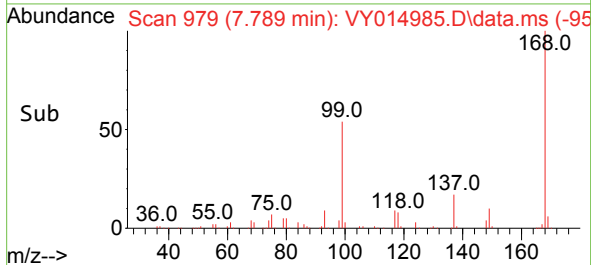
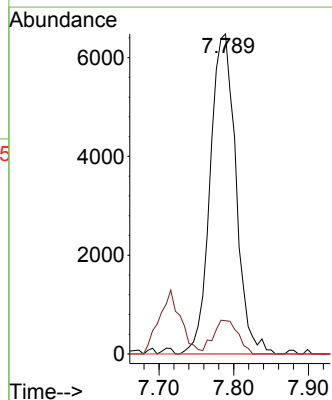
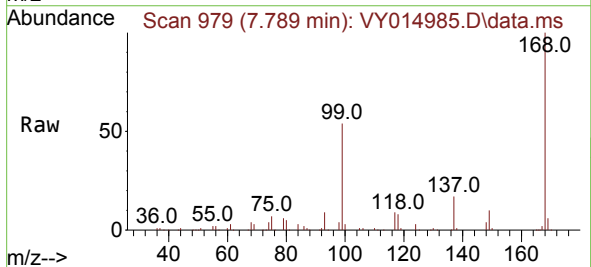
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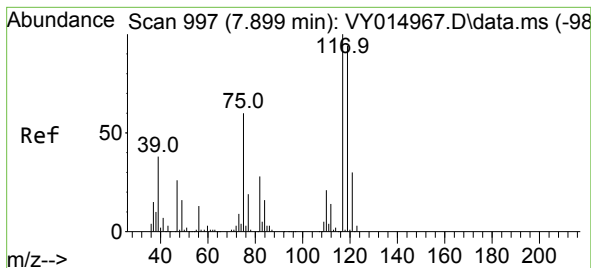
Tgt Ion:113 Resp: 112814
Ion Ratio Lower Upper
113 100
111 104.8 81.3 121.9
192 19.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.444 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY014985.D
Acq: 08 Aug 2023 15:12

Tgt Ion: 75 Resp: 15488
Ion Ratio Lower Upper
75 100
110 10.0 17.8 53.5#
77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 6.164 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY014985.D

Acq: 08 Aug 2023 15:12

Instrument :

MSVOA_Y

ClientSampleId :

MCLEAN-TP11

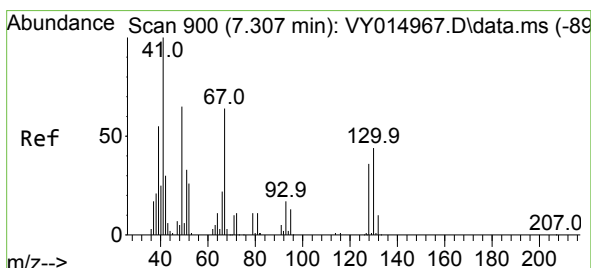
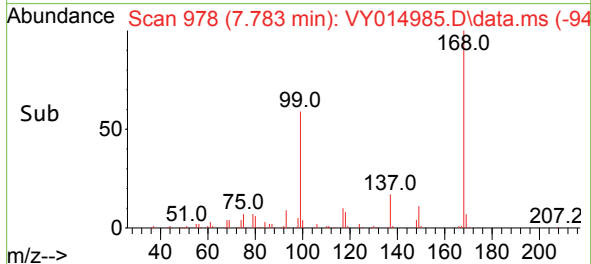
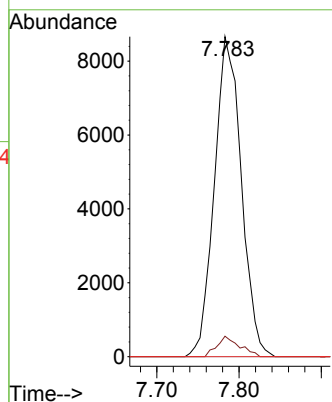
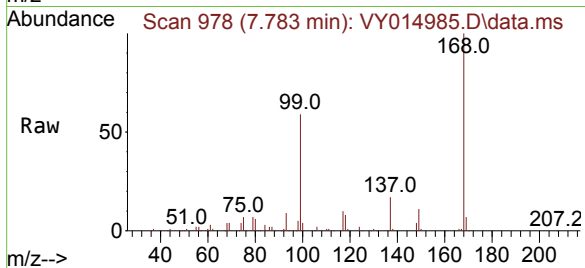
Tgt Ion:117 Resp: 19716

Ion Ratio Lower Upper

117 100

119 6.4 76.4 114.6#

121 0.0 25.8 38.6#



#41

Methacrylonitrile

Concen: 1.279 ug/l

RT: 7.356 min Scan# 908

Delta R.T. 0.049 min

Lab File: VY014985.D

Acq: 08 Aug 2023 15:12

Tgt Ion: 41 Resp: 1404

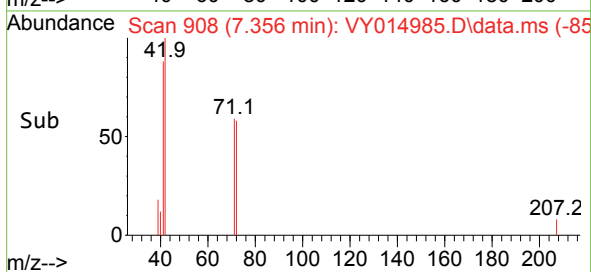
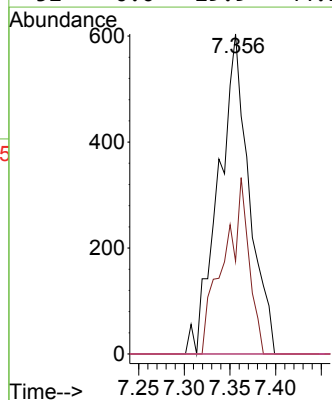
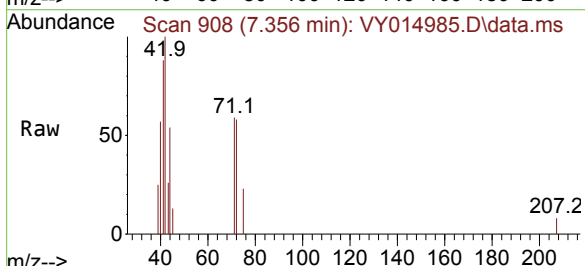
Ion Ratio Lower Upper

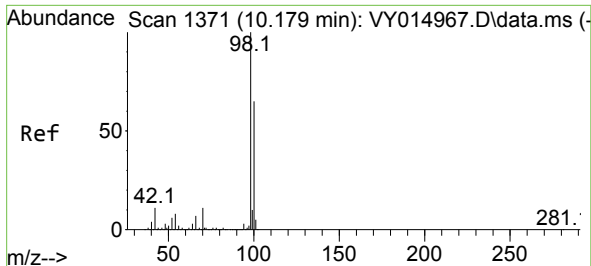
41 100

39 44.9 52.1 78.1#

67 0.0 66.2 99.2#

52 0.0 29.9 44.9#

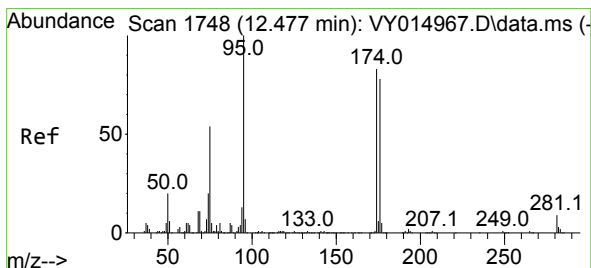
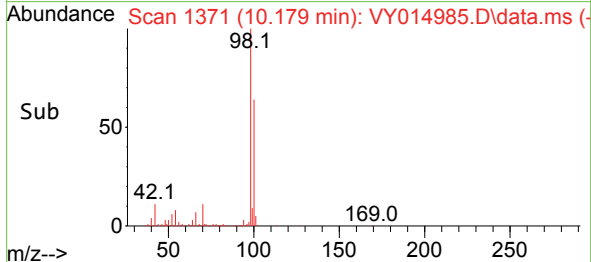
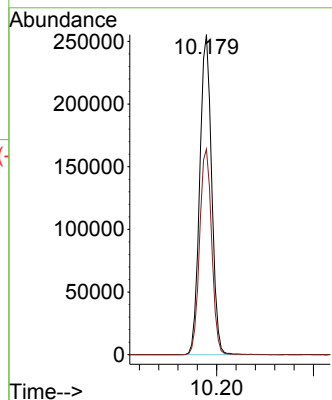
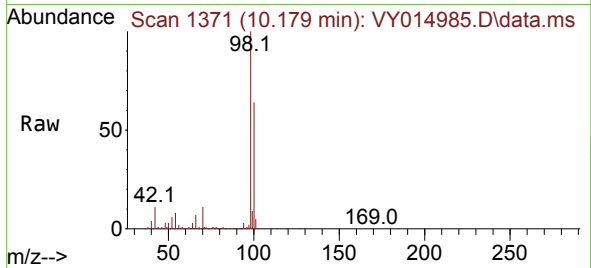




#50
Toluene-d8
Concen: 49.849 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY014985.D
Acq: 08 Aug 2023 15:12

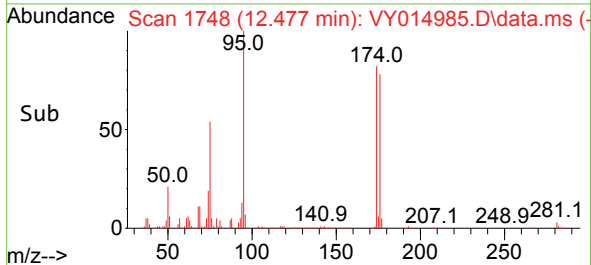
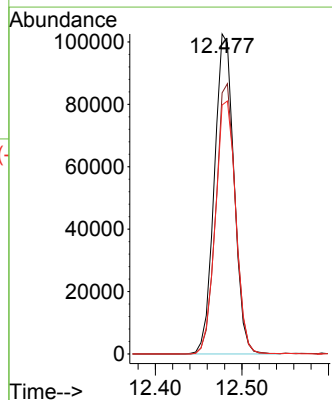
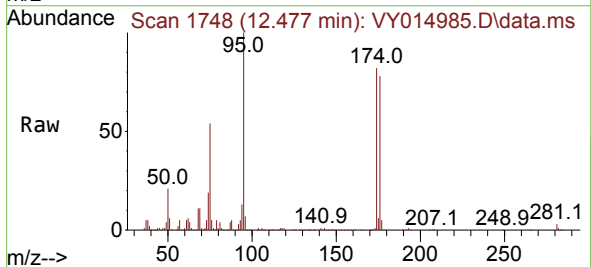
Instrument :
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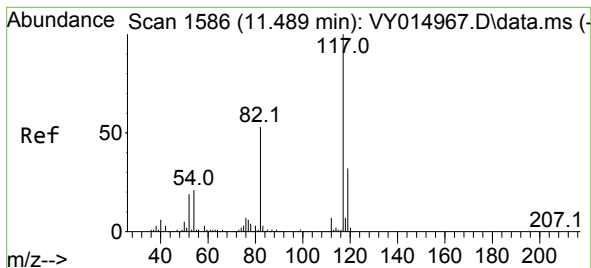
Tgt Ion: 98 Resp: 434821
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 52.396 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014985.D
Acq: 08 Aug 2023 15:12

Tgt Ion: 95 Resp: 161981
Ion Ratio Lower Upper
95 100
174 83.8 0.0 178.2
176 81.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY014985.D

Acq: 08 Aug 2023 15:12

Instrument :

MSVOA_Y

ClientSampleId :

MCLEAN-TP11

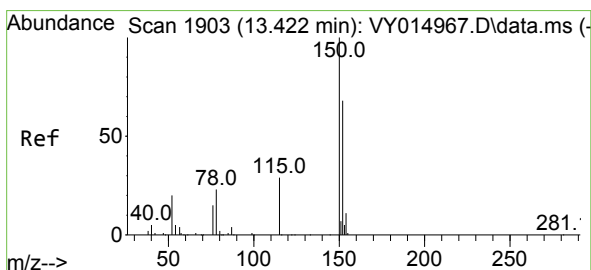
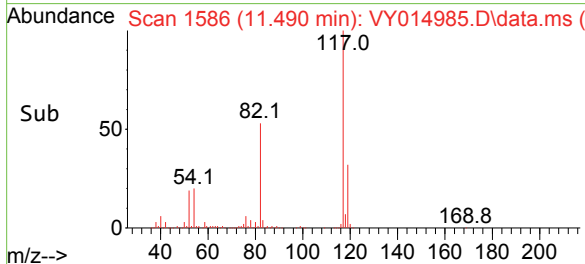
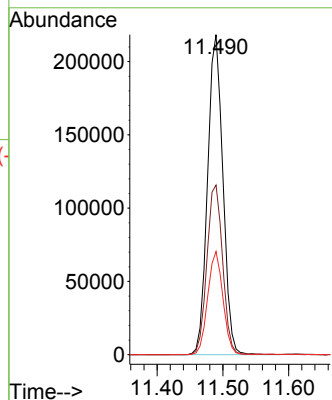
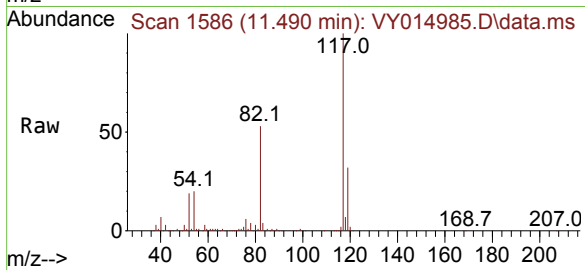
Tgt Ion:117 Resp: 353876

Ion Ratio Lower Upper

117 100

82 53.0 43.4 65.0

119 32.2 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: VY014985.D

Acq: 08 Aug 2023 15:12

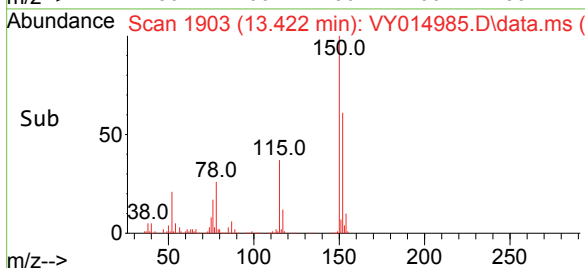
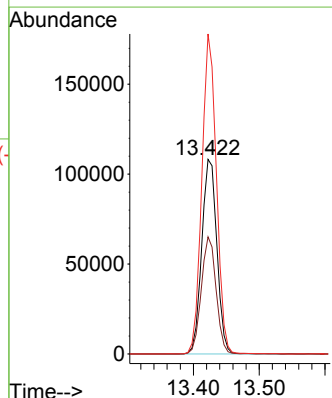
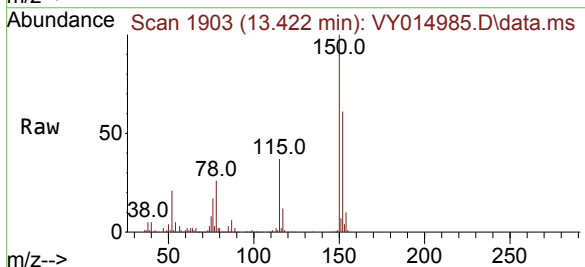
Tgt Ion:152 Resp: 173375

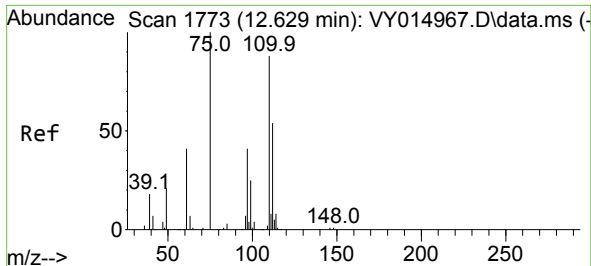
Ion Ratio Lower Upper

152 100

115 58.9 28.8 86.5

150 158.1 0.0 348.8

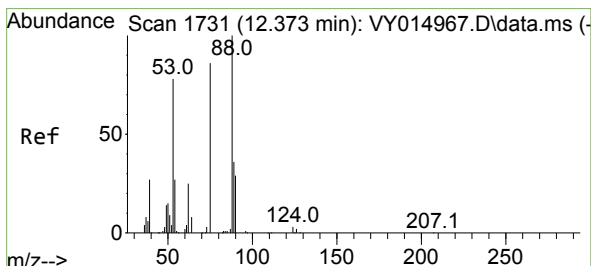
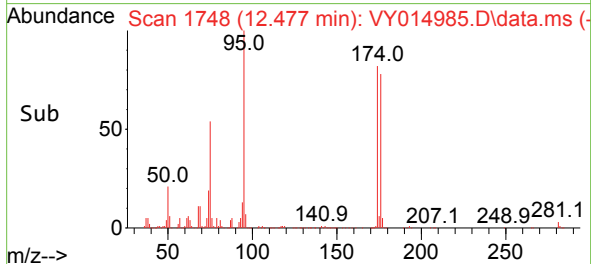
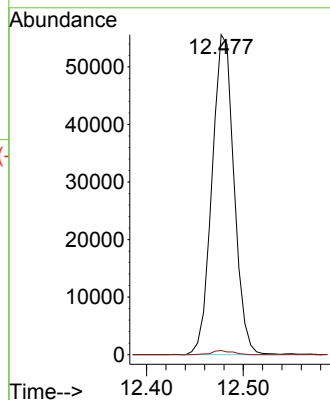
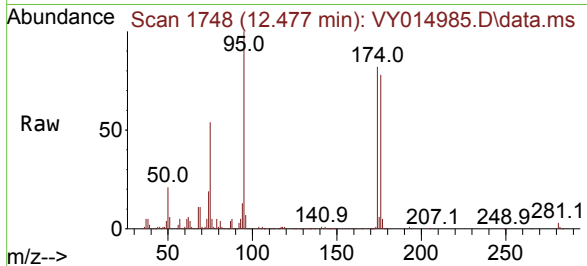




#76
1,2,3-Trichloropropane
Concen: 42.254 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY014985.D
Acq: 08 Aug 2023 15:12

Instrument :
MSVOA_Y
ClientSampleId :
MCLEAN-TP11

Tgt Ion: 75 Resp: 87780
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.086 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014985.D
Acq: 08 Aug 2023 15:12

Tgt Ion: 75 Resp: 87780
Ion Ratio Lower Upper
75 100
53 0.4 77.8 116.8#
89 0.0 37.4 56.0#

