

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021623\
 Data File : VY012635.D
 Acq On : 16 Feb 2023 16:28
 Operator : KP/MD
 Sample : 01581-01
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-A

Quant Time: Feb 16 21:59:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	159416	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	267394	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	264202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	132478	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	92002	45.384	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.760%
35) Dibromofluoromethane	7.716	113	78926	40.531	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.060%
50) Toluene-d8	10.179	98	313604	38.691	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	77.380%
62) 4-Bromofluorobenzene	12.483	95	107382	37.982	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	75.960%

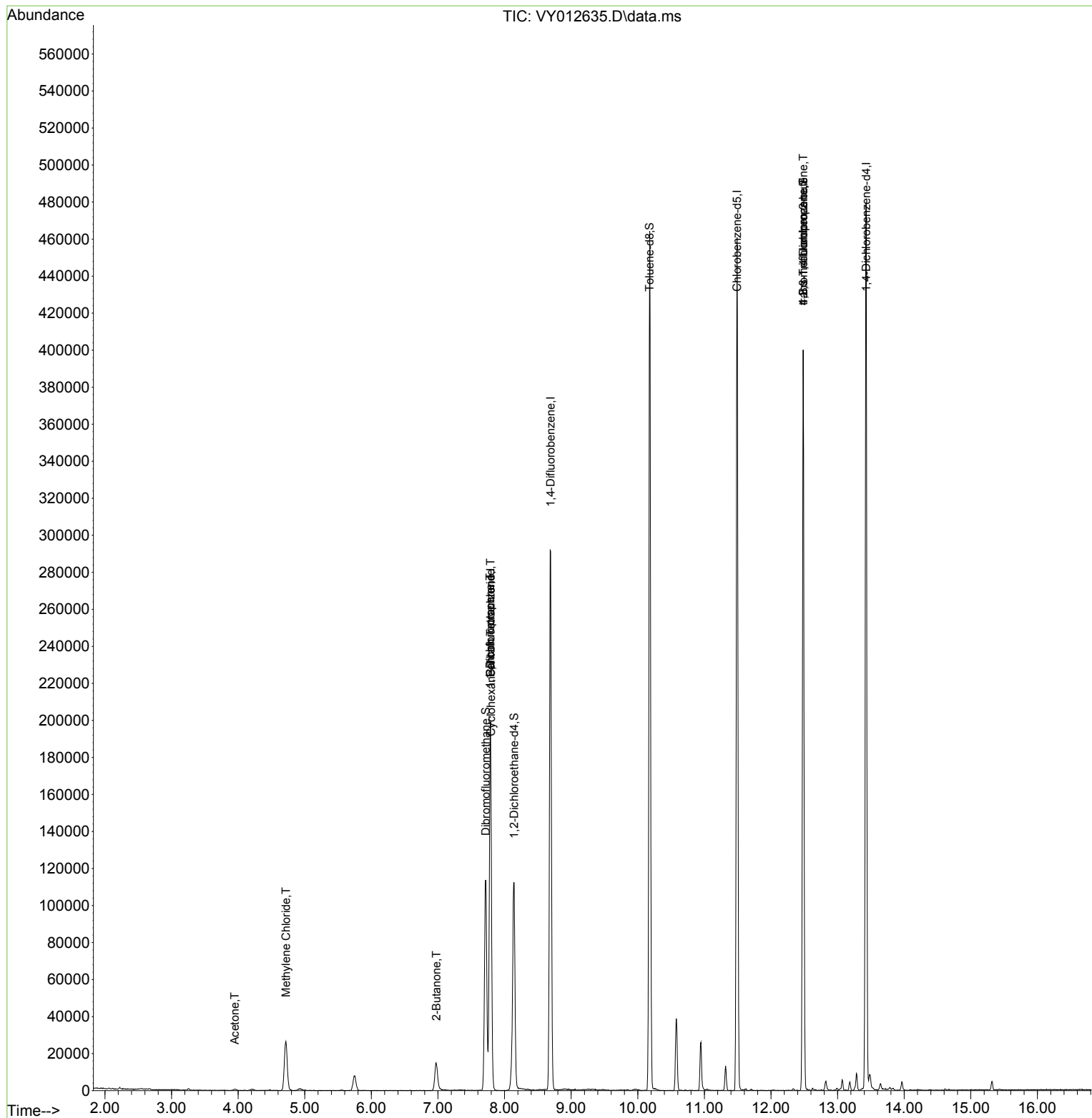
Target Compounds					Qvalue	
5) Bromomethane	2.674	94	167	Below Cal	#	67
11) Tert butyl alcohol	4.936	59	1284	Below Cal	#	75
16) Acetone	3.948	43	1160	2.377	ug/l #	87
20) Methylene Chloride	4.716	84	22492	8.871	ug/l	98
25) 2-Butanone	6.978	43	1060	1.958	ug/l #	73
31) Cyclohexane	7.795	56	2726	1.163	ug/l #	32
36) 1,1-Dichloropropene	7.783	75	10229	3.881	ug/l #	49
38) Carbon Tetrachloride	7.789	117	15346	4.338	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	58003	39.189	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	58003	88.373	ug/l #	12

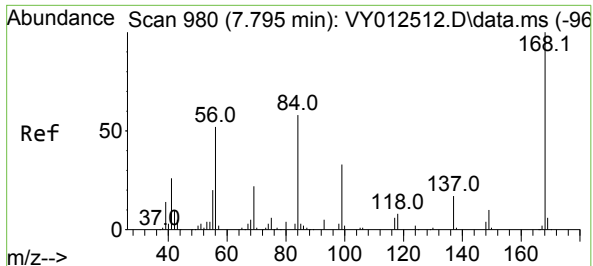
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021623\
Data File : VY012635.D
Acq On : 16 Feb 2023 16:28
Operator : KP/MD
Sample : 01581-01
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MH-A

Quant Time: Feb 16 21:59:24 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 08 01:09:03 2023
Response via : Initial Calibration

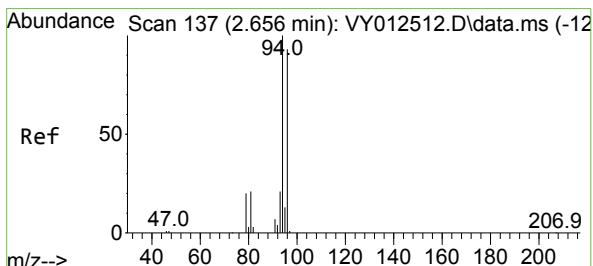
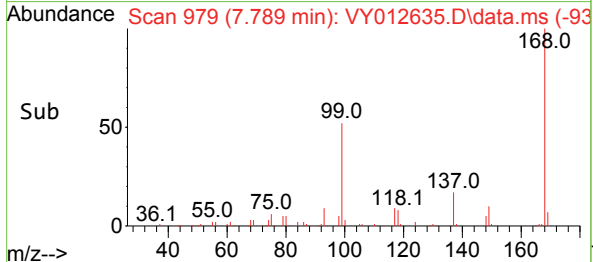
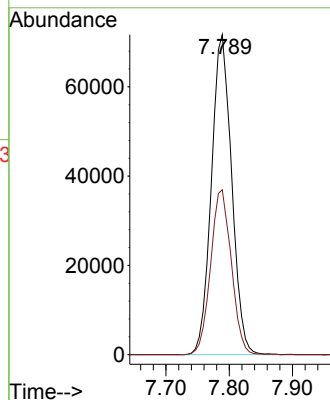
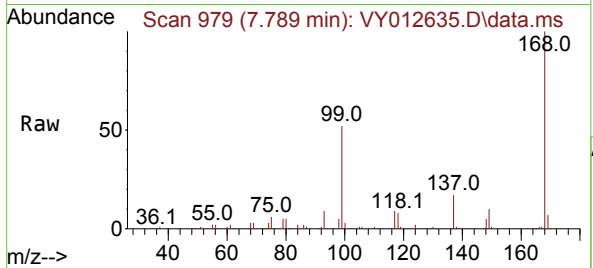




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012635.D
Acq: 16 Feb 2023 16:28

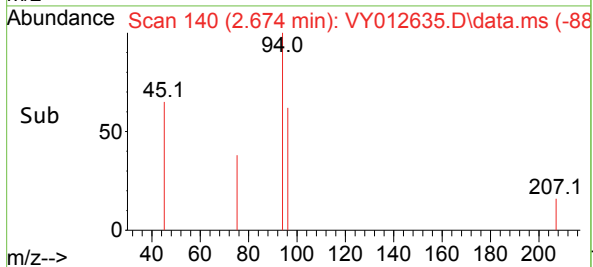
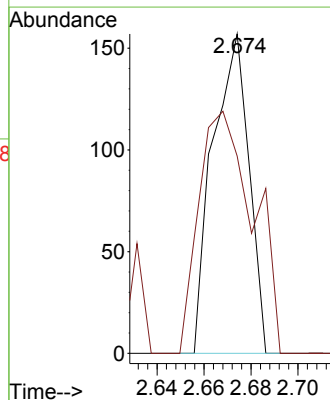
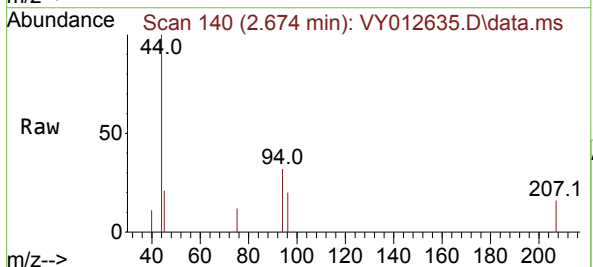
Instrument :
MSVOA_Y
ClientSampleId :
MH-A

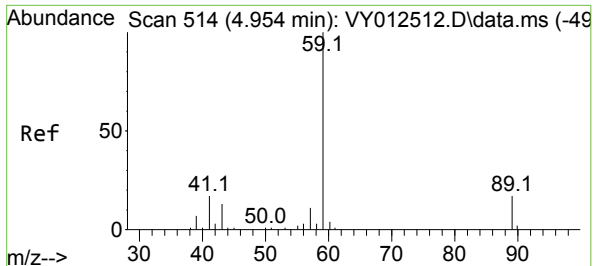
Tgt Ion:168 Resp: 159416
Ion Ratio Lower Upper
168 100
99 51.6 40.8 61.2



#5
Bromomethane
Concen: Below Cal
RT: 2.674 min Scan# 140
Delta R.T. 0.018 min
Lab File: VY012635.D
Acq: 16 Feb 2023 16:28

Tgt Ion: 94 Resp: 167
Ion Ratio Lower Upper
94 100
96 61.8 74.7 112.1#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.936 min Scan# 514

Delta R.T. -0.018 min

Lab File: VY012635.D

Acq: 16 Feb 2023 16:28

Instrument :

MSVOA_Y

ClientSampleId :

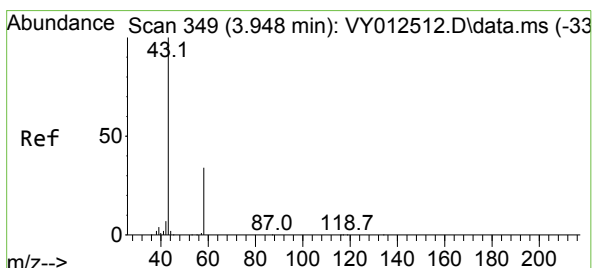
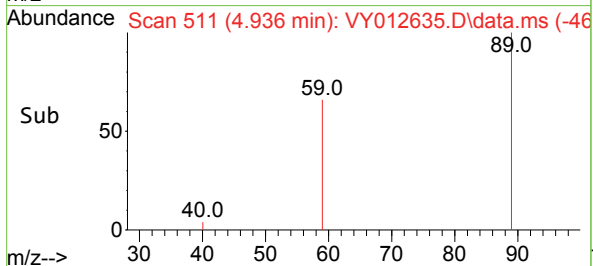
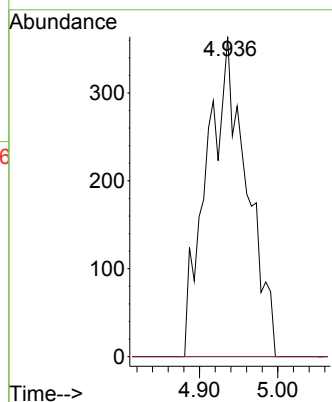
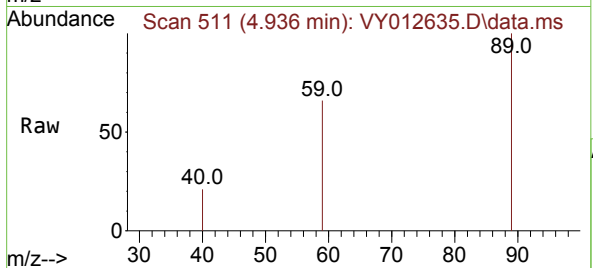
MH-A

Tgt Ion: 59 Resp: 1284

Ion Ratio Lower Upper

59 100

57 0.0 7.2 10.8#



#16

Acetone

Concen: 2.377 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY012635.D

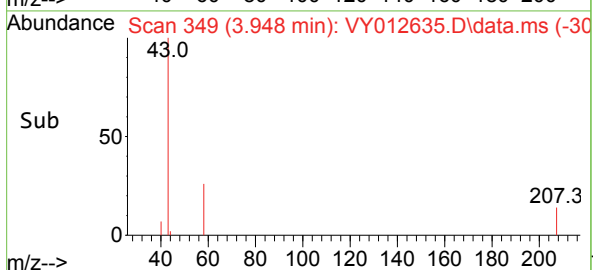
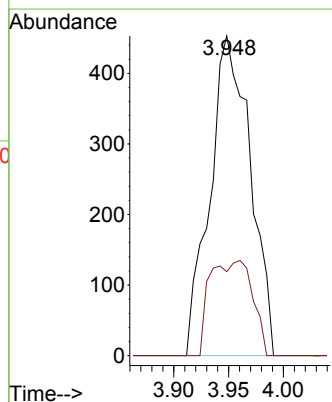
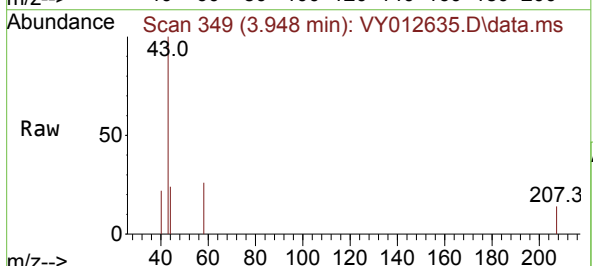
Acq: 16 Feb 2023 16:28

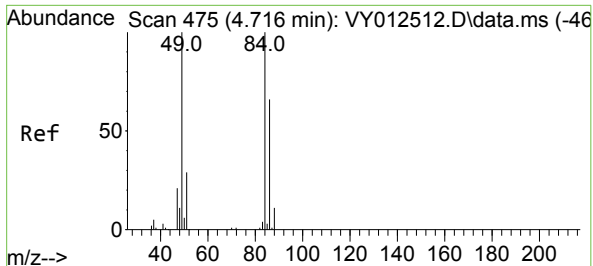
Tgt Ion: 43 Resp: 1160

Ion Ratio Lower Upper

43 100

58 26.3 27.1 40.7#

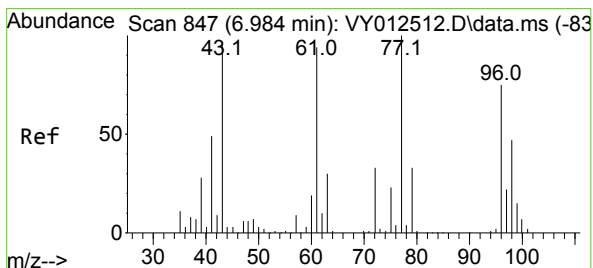
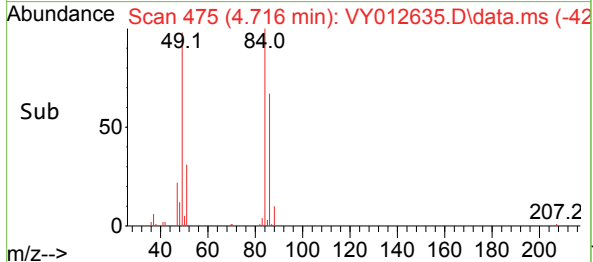
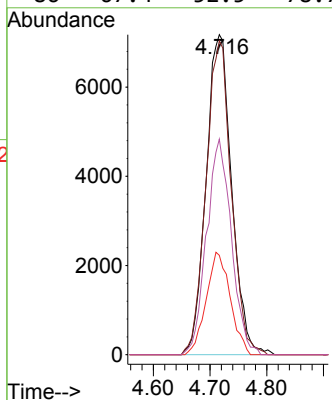
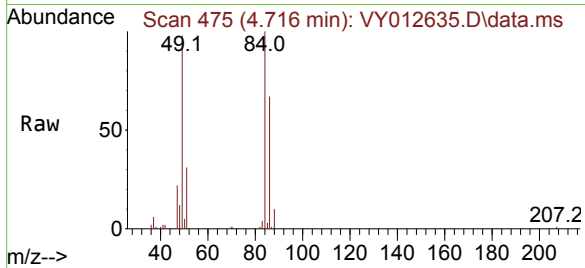




#20
Methylene Chloride
Concen: 8.871 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY012635.D
Acq: 16 Feb 2023 16:28

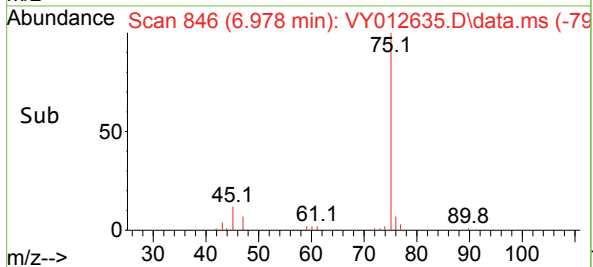
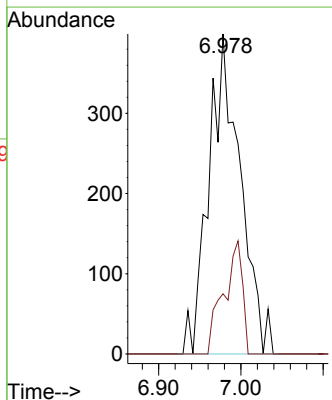
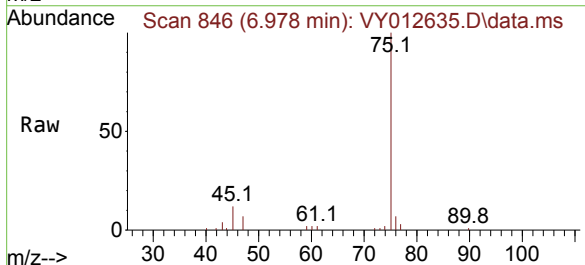
Instrument :
MSVOA_Y
ClientSampleId :
MH-A

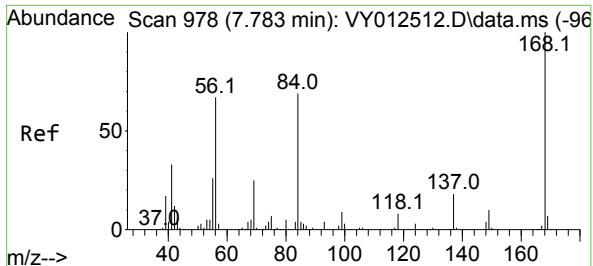
Tgt Ion:	84	Resp:	22492
Ion	Ratio	Lower	Upper
84	100		
49	98.1	79.8	119.6
51	31.1	23.4	35.2
86	67.4	52.5	78.7



#25
2-Butanone
Concen: 1.958 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY012635.D
Acq: 16 Feb 2023 16:28

Tgt Ion:	43	Resp:	1060
Ion	Ratio	Lower	Upper
43	100		
72	18.8	27.4	41.2#

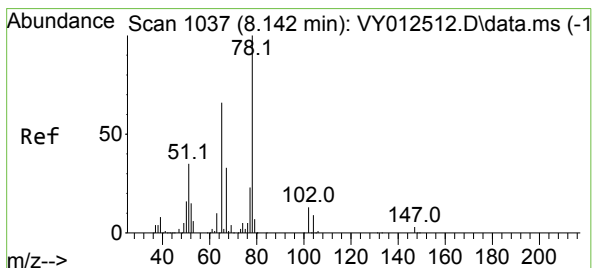
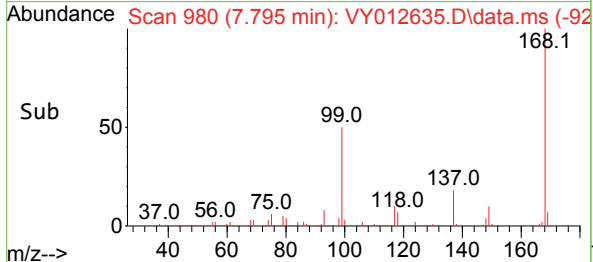
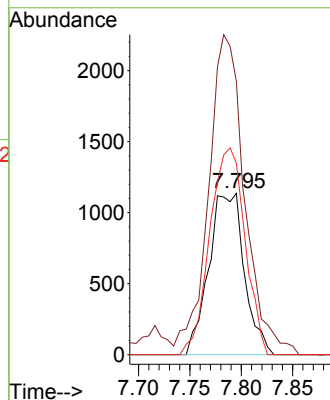
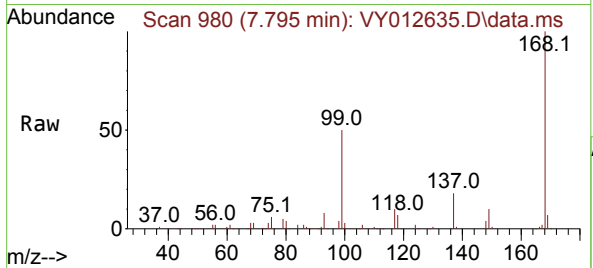




#31
Cyclohexane
Concen: 1.163 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY012635.D
Acq: 16 Feb 2023 16:28

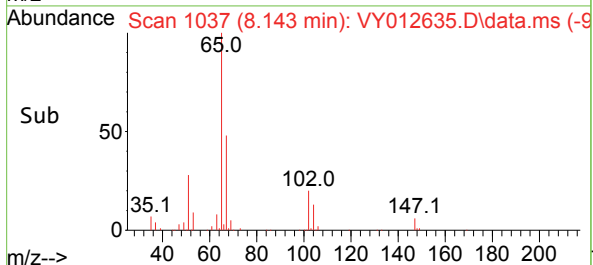
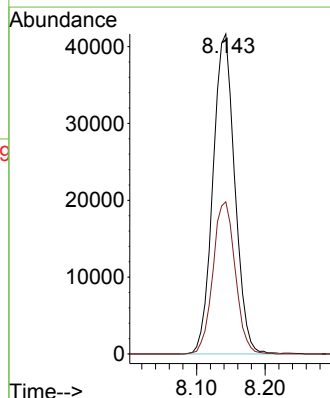
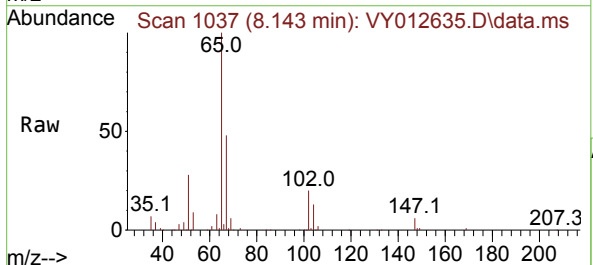
Instrument :
MSVOA_Y
ClientSampleId :
MH-A

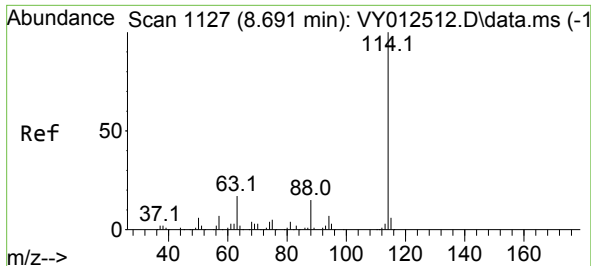
Tgt Ion: 56 Resp: 2726
Ion Ratio Lower Upper
56 100
69 162.2 29.5 44.3#
84 118.6 81.9 122.9



#33
1,2-Dichloroethane-d4
Concen: 45.384 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY012635.D
Acq: 16 Feb 2023 16:28

Tgt Ion: 65 Resp: 92002
Ion Ratio Lower Upper
65 100
67 48.6 0.0 98.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012635.D

Acq: 16 Feb 2023 16:28

Instrument :

MSVOA_Y

ClientSampleId :

MH-A

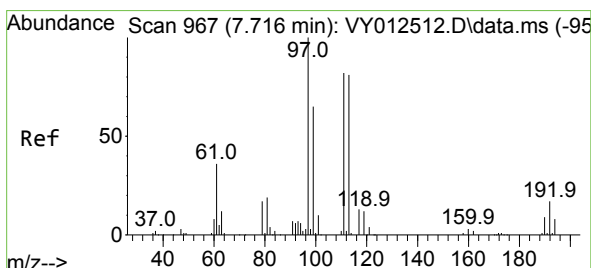
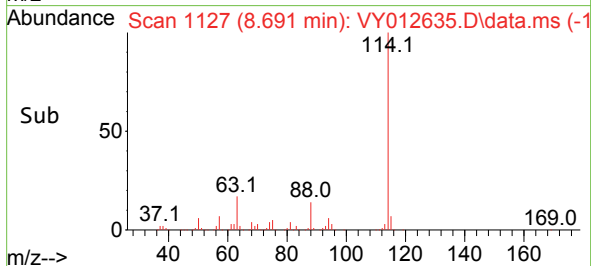
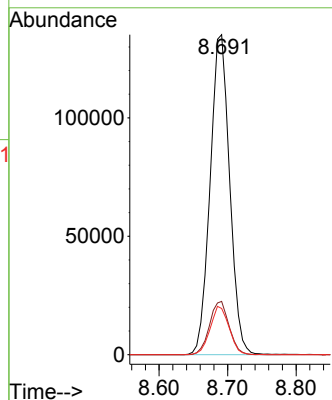
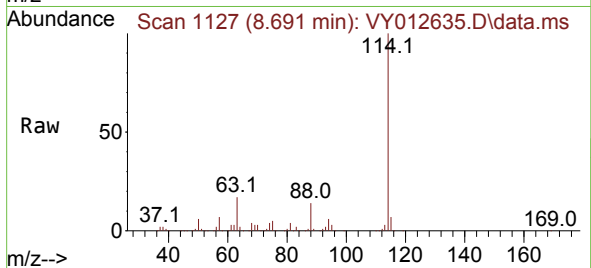
Tgt Ion:114 Resp: 267394

Ion Ratio Lower Upper

114 100

63 16.7 0.0 33.6

88 14.5 0.0 29.8



#35

Dibromofluoromethane

Concen: 40.531 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012635.D

Acq: 16 Feb 2023 16:28

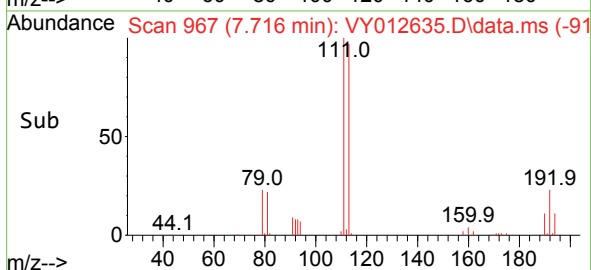
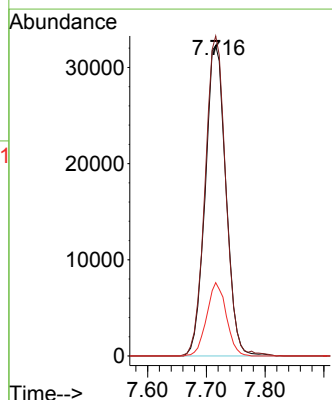
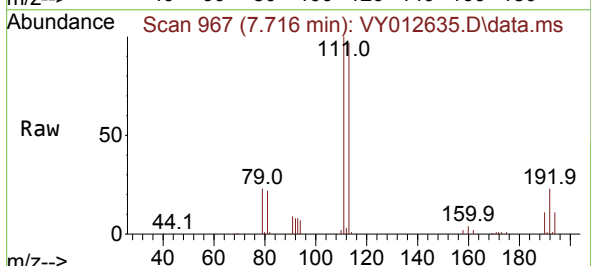
Tgt Ion:113 Resp: 78926

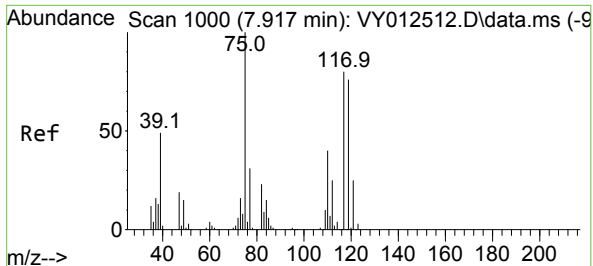
Ion Ratio Lower Upper

113 100

111 102.9 81.9 122.9

192 22.4 17.5 26.3

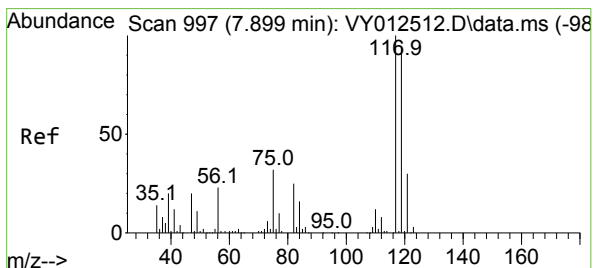
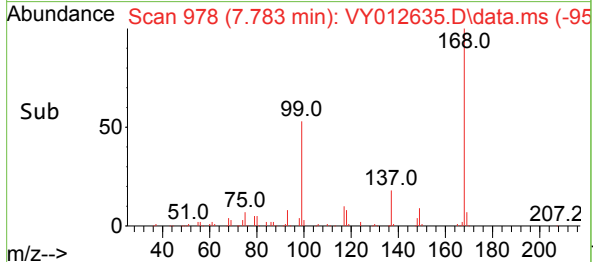
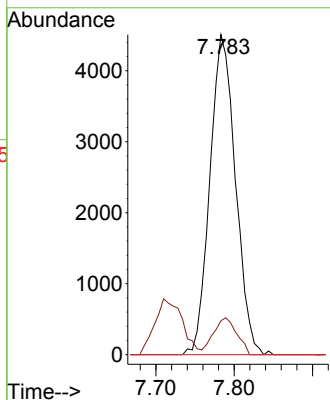
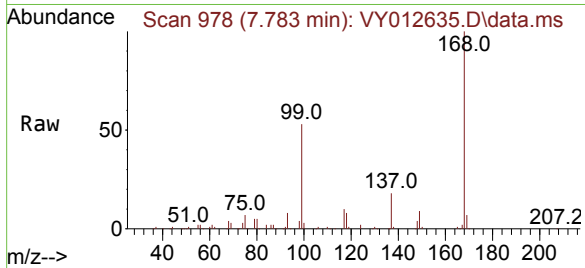




#36
 1,1-Dichloropropene
 Concen: 3.881 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY012635.D
 Acq: 16 Feb 2023 16:28

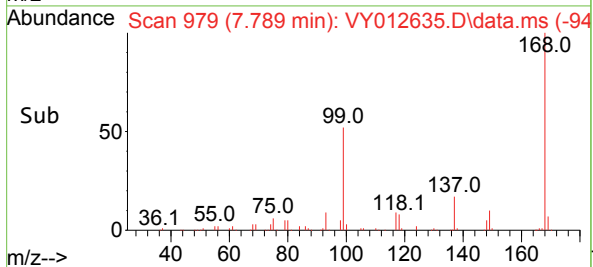
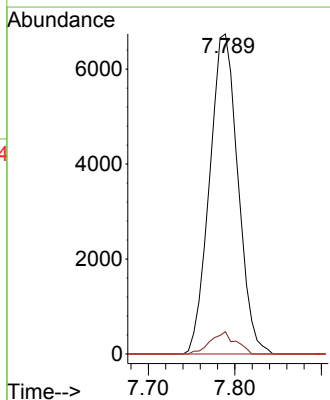
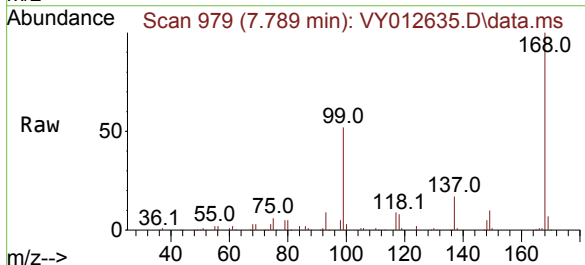
Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-A

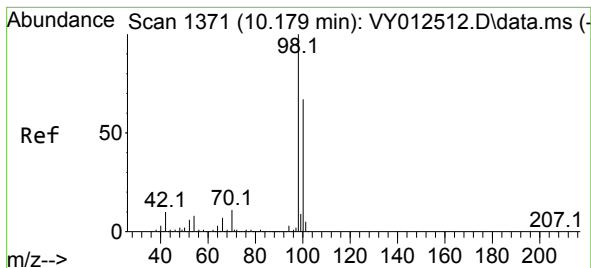
Tgt Ion: 75 Resp: 10229
 Ion Ratio Lower Upper
 75 100
 110 10.5 19.5 58.5#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 4.338 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.110 min
 Lab File: VY012635.D
 Acq: 16 Feb 2023 16:28

Tgt Ion: 117 Resp: 15346
 Ion Ratio Lower Upper
 117 100
 119 7.0 75.1 112.7#
 121 0.0 24.3 36.5#

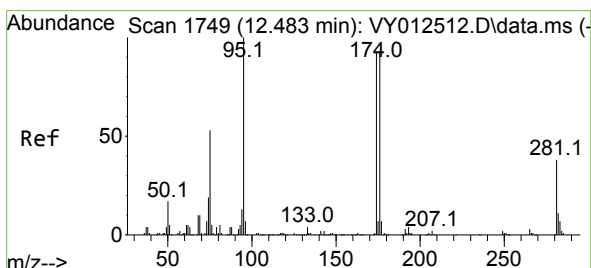
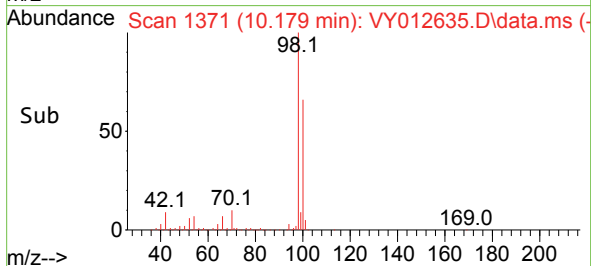
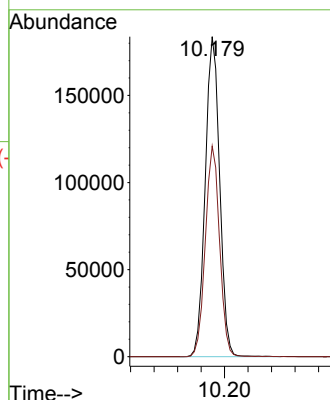
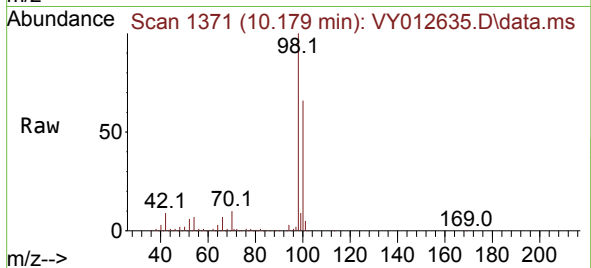




#50
Toluene-d8
Concen: 38.691 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012635.D
Acq: 16 Feb 2023 16:28

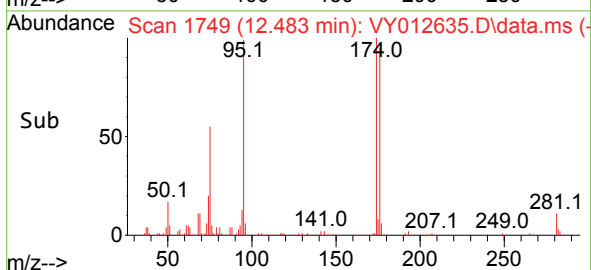
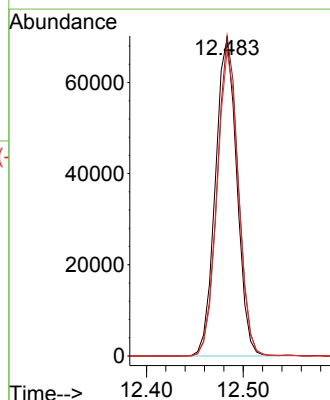
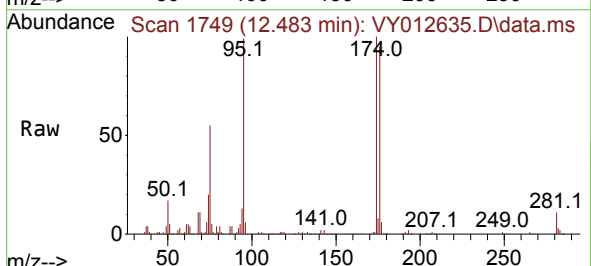
Instrument :
MSVOA_Y
ClientSampleId :
MH-A

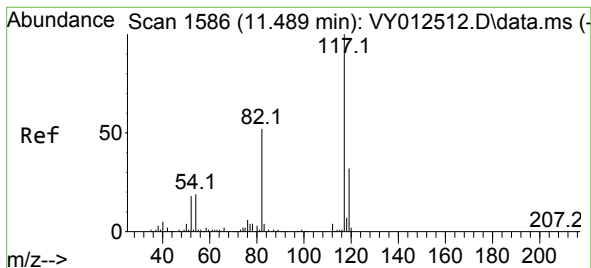
Tgt Ion: 98 Resp: 313604
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 37.982 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012635.D
Acq: 16 Feb 2023 16:28

Tgt Ion: 95 Resp: 107382
Ion Ratio Lower Upper
95 100
174 98.7 0.0 188.0
176 95.1 0.0 183.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY012635.D

Acq: 16 Feb 2023 16:28

Instrument :

MSVOA_Y

ClientSampleId :

MH-A

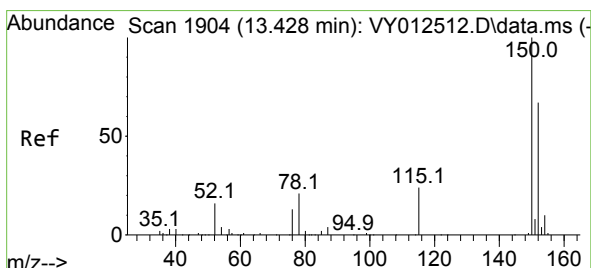
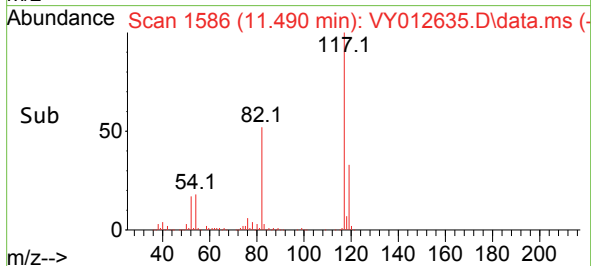
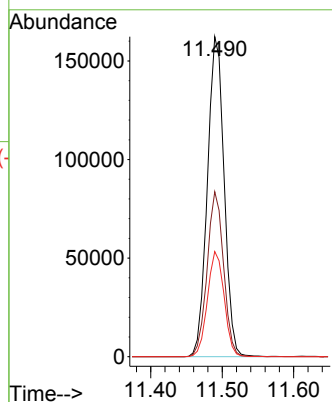
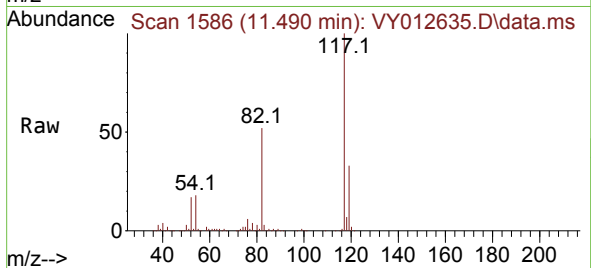
Tgt Ion:117 Resp: 264202

Ion Ratio Lower Upper

117 100

82 51.6 41.7 62.5

119 32.9 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY012635.D

Acq: 16 Feb 2023 16:28

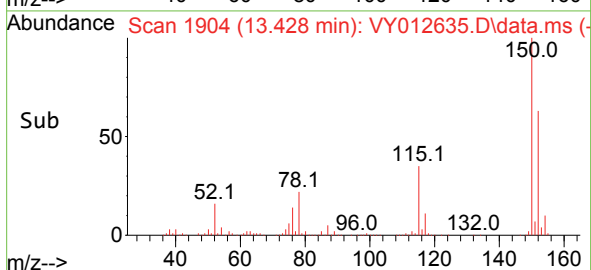
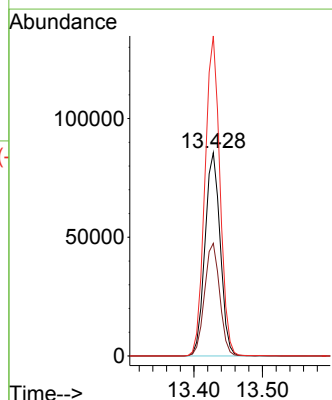
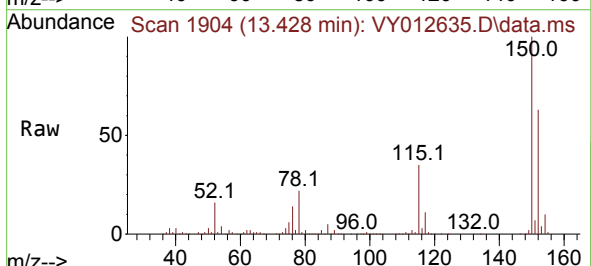
Tgt Ion:152 Resp: 132478

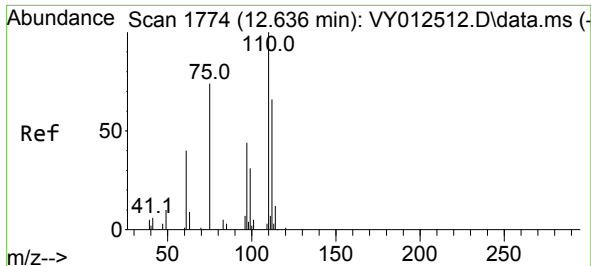
Ion Ratio Lower Upper

152 100

115 55.3 28.1 84.3

150 155.4 0.0 351.0

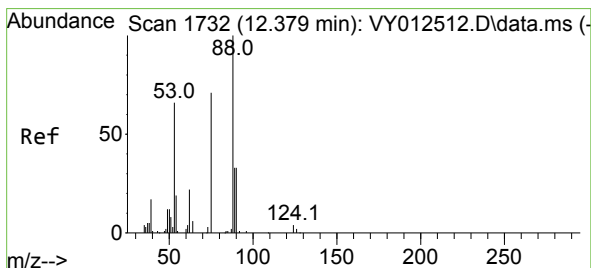
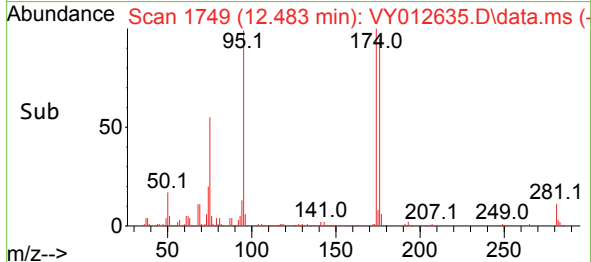
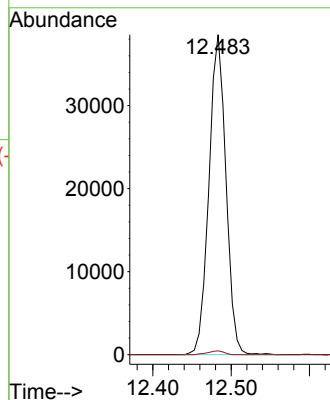
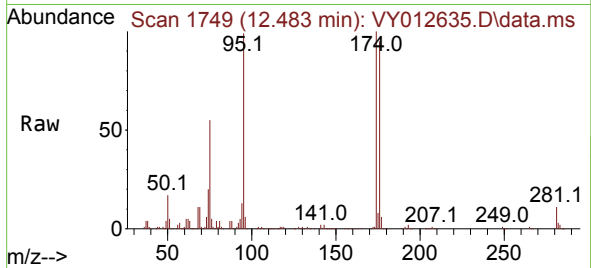




#76
1,2,3-Trichloropropane
Concen: 39.189 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY012635.D
Acq: 16 Feb 2023 16:28

Instrument :
MSVOA_Y
ClientSampleId :
MH-A

Tgt Ion: 75 Resp: 58003
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.373 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY012635.D
Acq: 16 Feb 2023 16:28

Tgt Ion: 75 Resp: 58003
Ion Ratio Lower Upper
75 100
53 0.1 73.1 109.7#
89 0.1 39.9 59.9#

