

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122023\
 Data File : VY016741.D
 Acq On : 21 Dec 2023 05:34
 Operator : SY/MD
 Sample : 05876-10
 Misc : 3.09g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 21 07:11:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:49:45 2023
 Response via : Initial Calibration

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

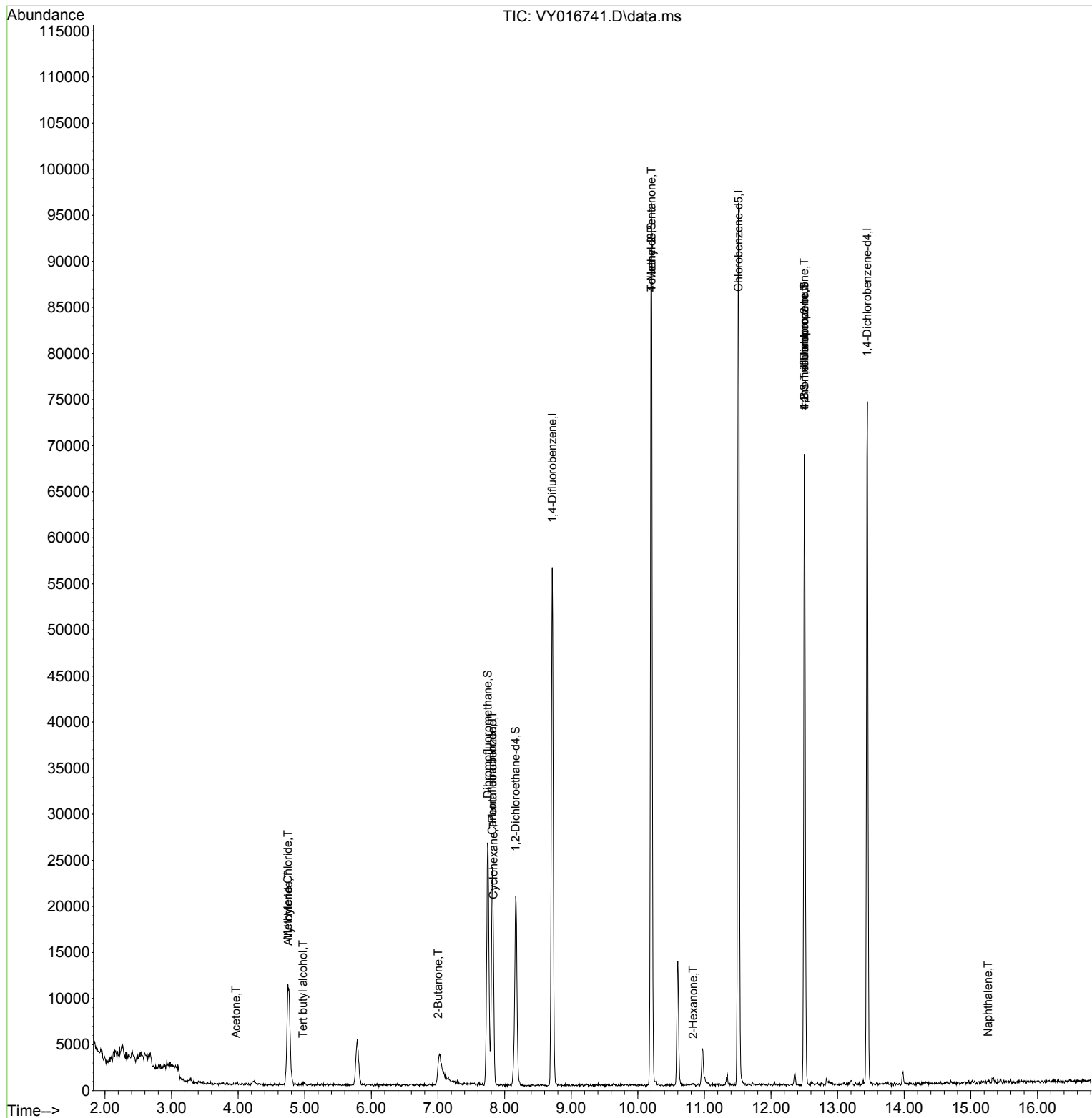
Internal Standards						
1) Pentafluorobenzene	7.819	168	18032	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.716	114	48831	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	55118	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	18728	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	15970	97.015	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 194.040%#	
35) Dibromofluoromethane	7.746	113	19403	69.367	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 138.740%	
50) Toluene-d8	10.203	98	63926	63.397	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 126.800%	
62) 4-Bromofluorobenzene	12.501	95	19944	60.965	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 121.940%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.972	59	65	4.816	ug/l #	75
14) Allyl chloride	4.753	41	271	1.039	ug/l #	23
16) Acetone	3.966	43	112	2.516	ug/l #	41
20) Methylene Chloride	4.747	84	8499	36.572	ug/l	91
25) 2-Butanone	7.002	43	114	1.860	ug/l #	48
31) Cyclohexane	7.832	56	397	1.259	ug/l #	50
38) Carbon Tetrachloride	7.813	117	1860	4.192	ug/l #	12
51) 4-Methyl-2-Pentanone	10.203	43	239	1.202	ug/l #	1
59) 2-Hexanone	10.831	43	247	1.665	ug/l #	23
76) 1,2,3-Trichloropropane	12.501	75	10461	50.529	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.501	75	10461	118.665	ug/l #	12
95) Naphthalene	15.257	128	397	4.203	ug/l #	69

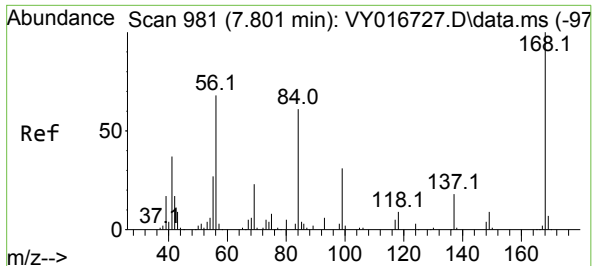
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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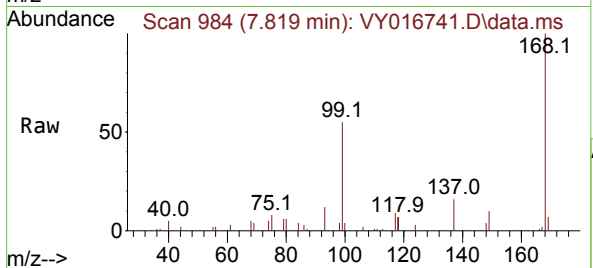
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 21 01:49:45 2023
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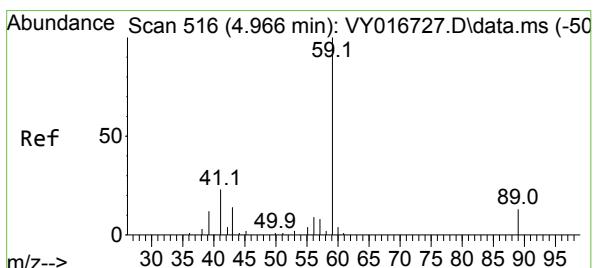
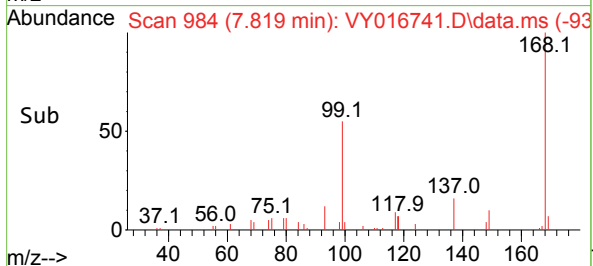
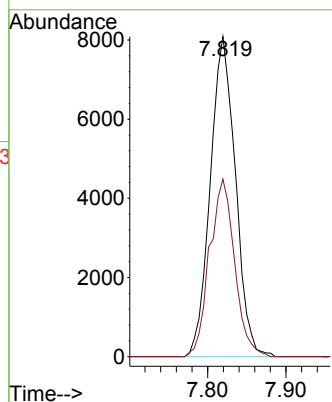


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.819 min Scan# 981
Delta R.T. 0.018 min
Lab File: VY016741.D
Acq: 21 Dec 2023 05:34

Instrument :
MSVOA_Y
ClientSampleId :

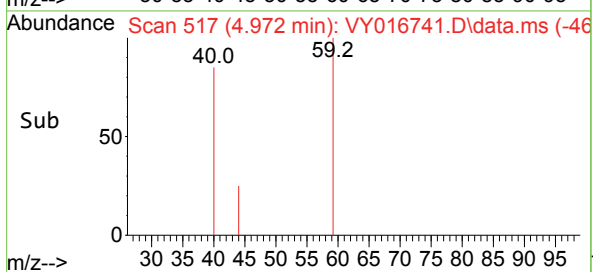
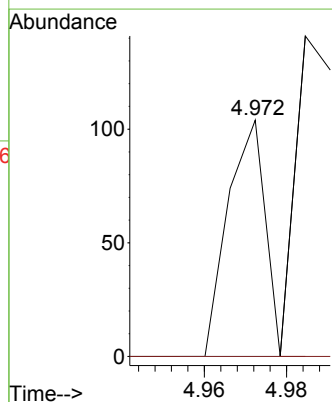
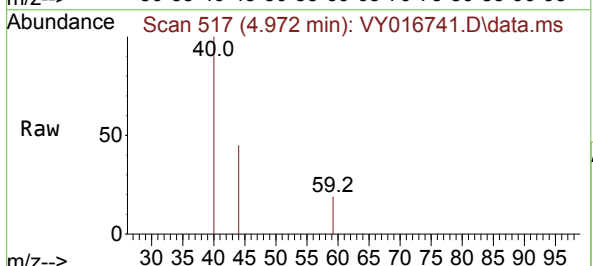


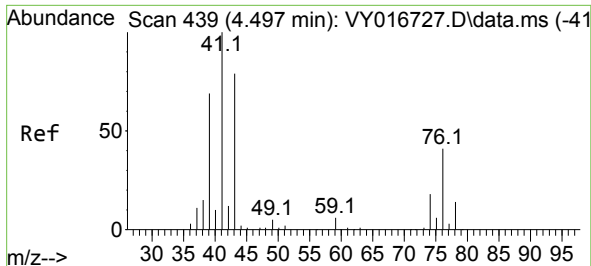
Tgt Ion:168 Resp: 18032
Ion Ratio Lower Upper
168 100
99 55.4 44.2 66.4



#11
Tert butyl alcohol
Concen: 4.816 ug/l
RT: 4.972 min Scan# 517
Delta R.T. 0.006 min
Lab File: VY016741.D
Acq: 21 Dec 2023 05:34

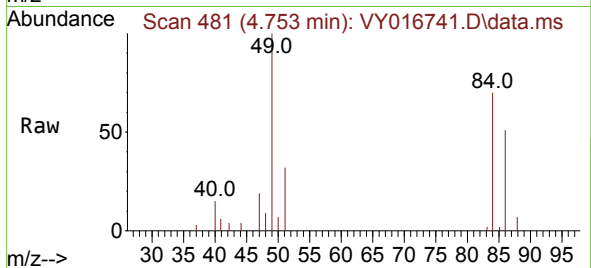
Tgt Ion: 59 Resp: 65
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



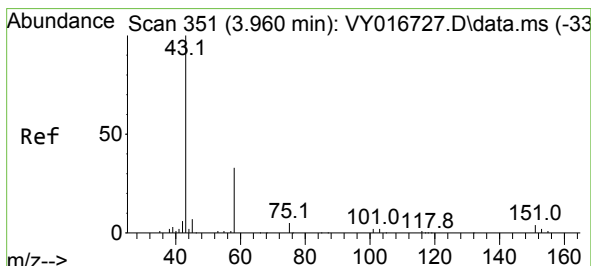
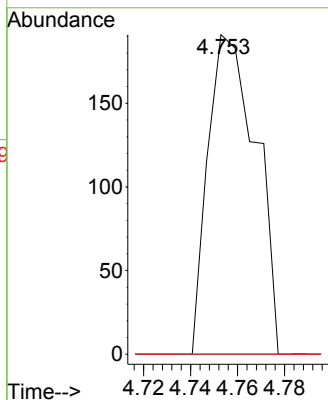
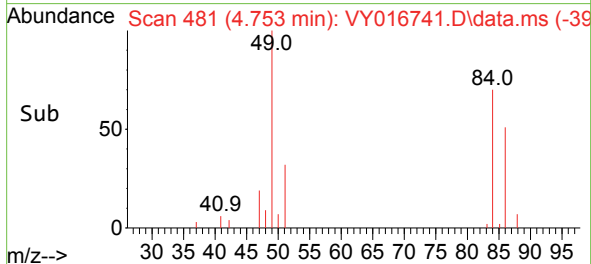


#14
 Allyl chloride
 Concen: 1.039 ug/l
 RT: 4.753 min Scan# 41
 Delta R.T. 0.256 min
 Lab File: VY016741.D
 Acq: 21 Dec 2023 05:34

Instrument :
 MSVOA_Y
 ClientSampleId :

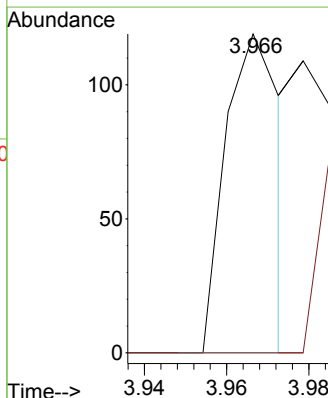
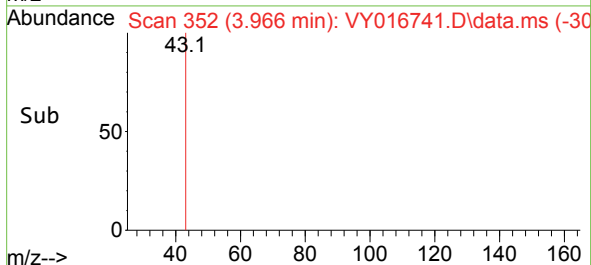
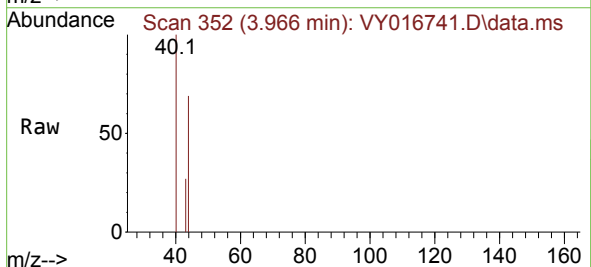


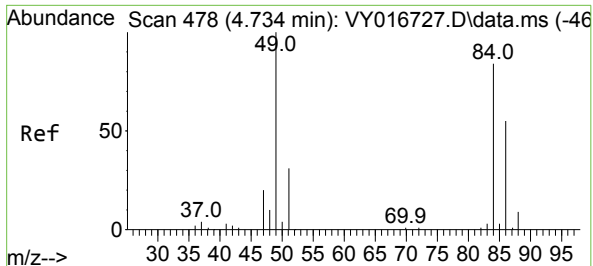
Tgt Ion: 41 Resp: 271
 Ion Ratio Lower Upper
 41 100
 39 0.0 54.7 82.1#
 76 0.0 31.8 47.6#



#16
 Acetone
 Concen: 2.516 ug/l
 RT: 3.966 min Scan# 352
 Delta R.T. 0.006 min
 Lab File: VY016741.D
 Acq: 21 Dec 2023 05:34

Tgt Ion: 43 Resp: 112
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.6 39.8#





#20

Methylene Chloride

Concen: 36.572 ug/l

RT: 4.747 min Scan# 41

Delta R.T. 0.013 min

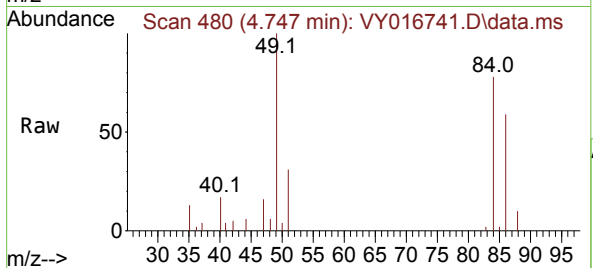
Lab File: VY016741.D

Acq: 21 Dec 2023 05:34

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 8499

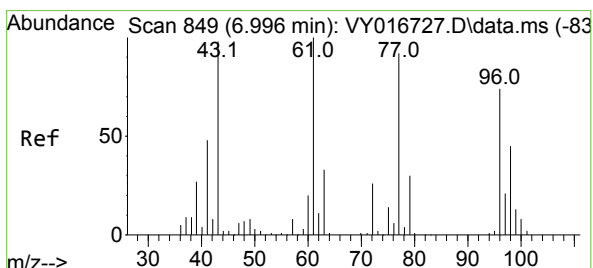
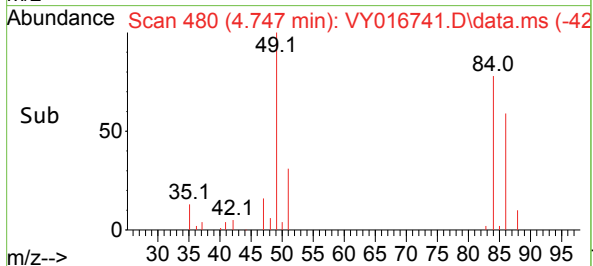
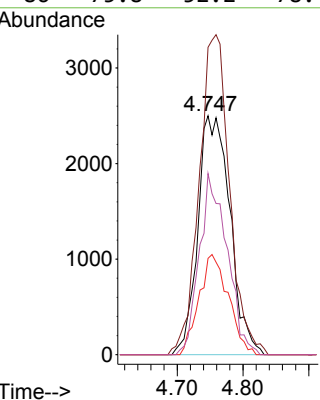
Ion Ratio Lower Upper

84 100

49 128.6 95.2 142.8

51 40.3 29.9 44.9

86 75.8 52.2 78.4



#25

2-Butanone

Concen: 1.860 ug/l

RT: 7.002 min Scan# 850

Delta R.T. 0.006 min

Lab File: VY016741.D

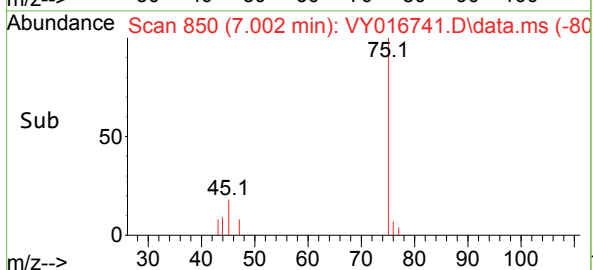
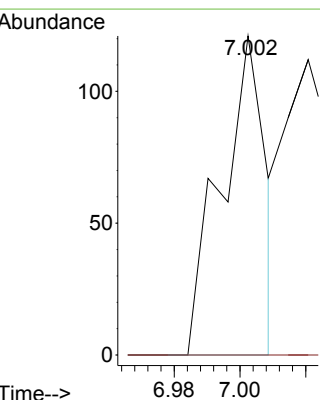
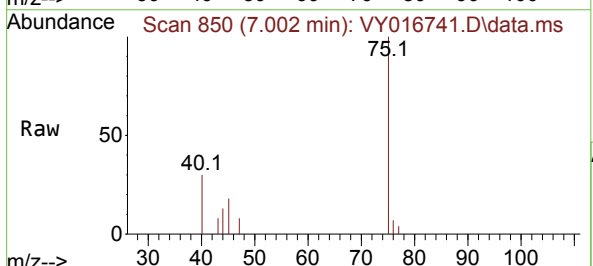
Acq: 21 Dec 2023 05:34

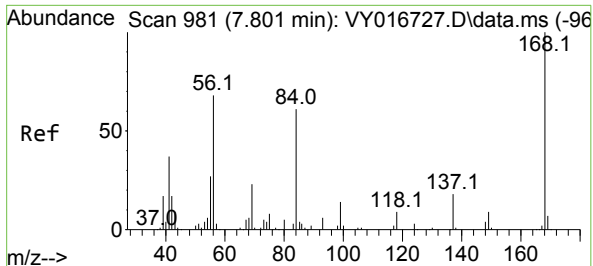
Tgt Ion: 43 Resp: 114

Ion Ratio Lower Upper

43 100

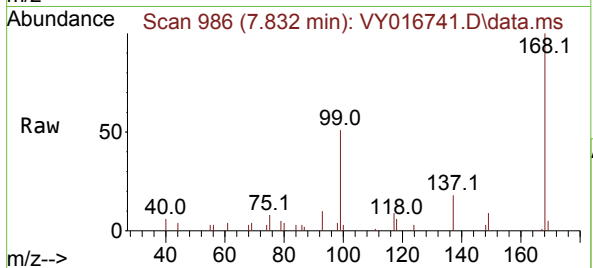
72 0.0 21.4 32.2#



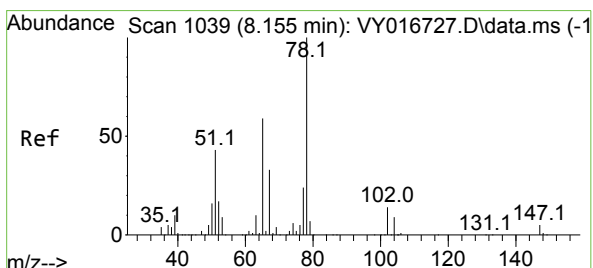
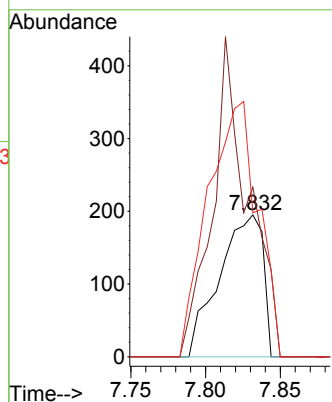
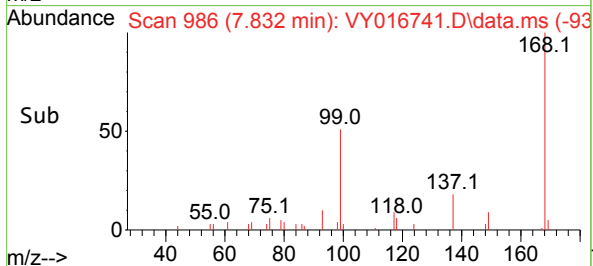


#31
Cyclohexane
Concen: 1.259 ug/l
RT: 7.832 min Scan# 91
Delta R.T. 0.031 min
Lab File: VY016741.D
Acq: 21 Dec 2023 05:34

Instrument :
MSVOA_Y
ClientSampleId :

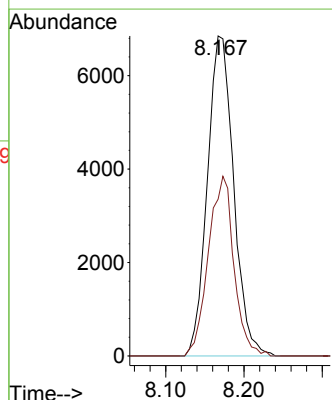
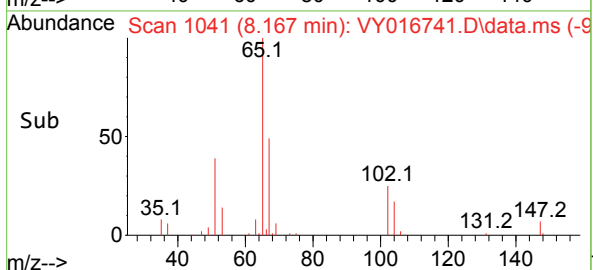
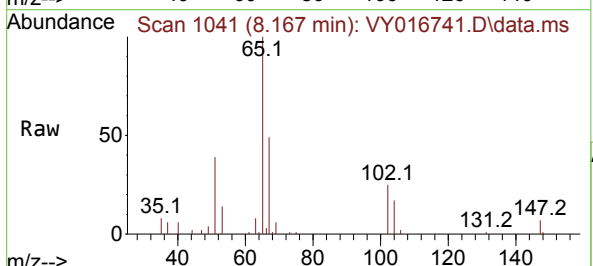


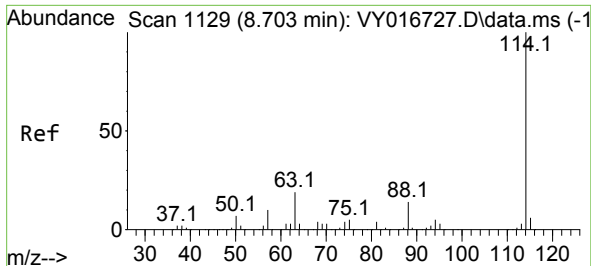
Tgt Ion: 56 Resp: 397
Ion Ratio Lower Upper
56 100
69 119.5 27.0 40.6#
84 101.5 71.8 107.6



#33
1,2-Dichloroethane-d4
Concen: 97.015 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. 0.012 min
Lab File: VY016741.D
Acq: 21 Dec 2023 05:34

Tgt Ion: 65 Resp: 15970
Ion Ratio Lower Upper
65 100
67 54.7 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.716 min Scan# 1131

Delta R.T. 0.013 min

Lab File: VY016741.D

Acq: 21 Dec 2023 05:34

Instrument :

MSVOA_Y

ClientSampleId :

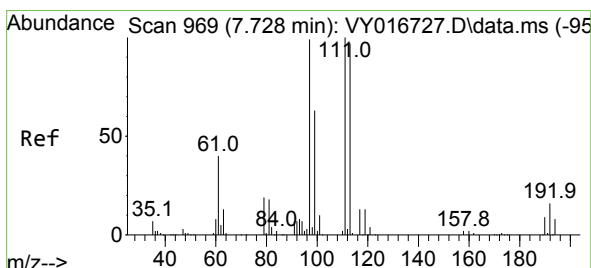
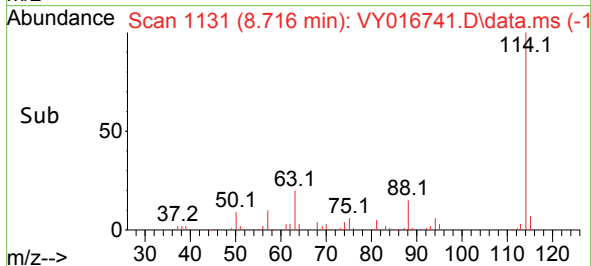
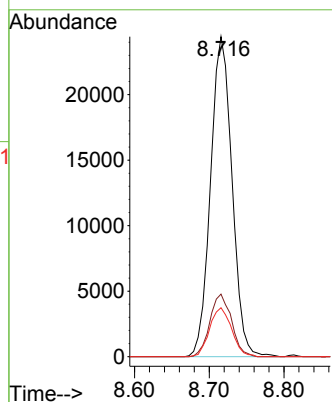
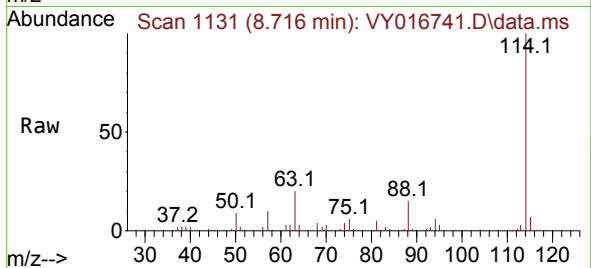
Tgt Ion:114 Resp: 48831

Ion Ratio Lower Upper

114 100

63 19.5 0.0 37.4

88 15.3 0.0 29.0



#35

Dibromofluoromethane

Concen: 69.367 ug/l

RT: 7.746 min Scan# 972

Delta R.T. 0.018 min

Lab File: VY016741.D

Acq: 21 Dec 2023 05:34

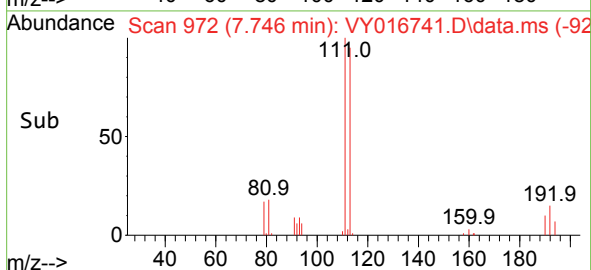
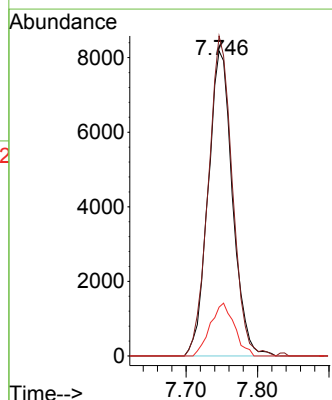
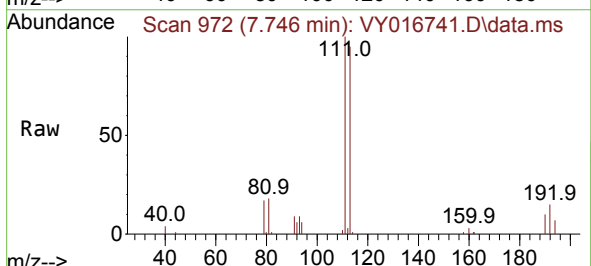
Tgt Ion:113 Resp: 19403

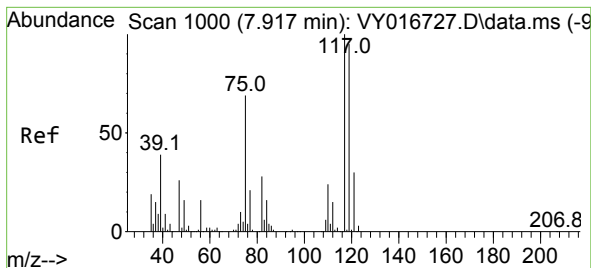
Ion Ratio Lower Upper

113 100

111 103.0 83.8 125.6

192 17.1 14.5 21.7





#38

Carbon Tetrachloride

Concen: 4.192 ug/l

RT: 7.813 min Scan# 91

Delta R.T. -0.103 min

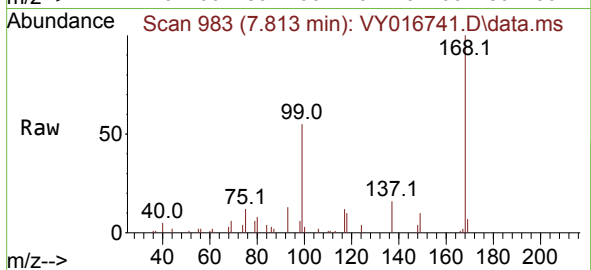
Lab File: VY016741.D

Acq: 21 Dec 2023 05:34

Instrument :

MSVOA_Y

ClientSampleId :



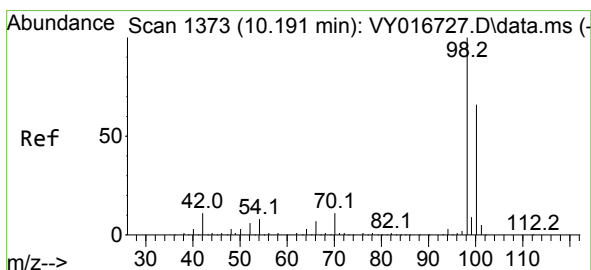
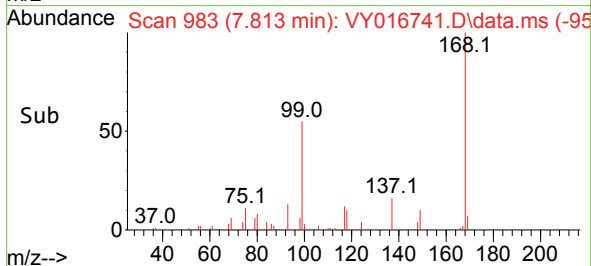
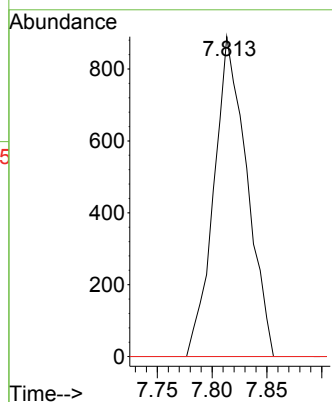
Tgt Ion:117 Resp: 1860

Ion Ratio Lower Upper

117 100

119 0.0 76.0 114.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 63.397 ug/l

RT: 10.203 min Scan# 1375

Delta R.T. 0.012 min

Lab File: VY016741.D

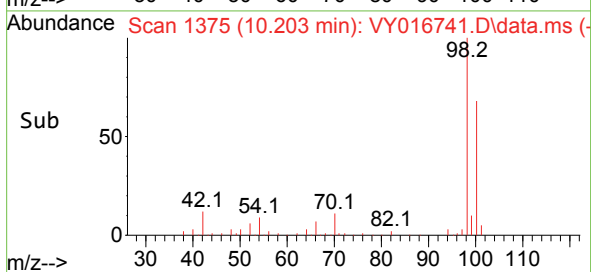
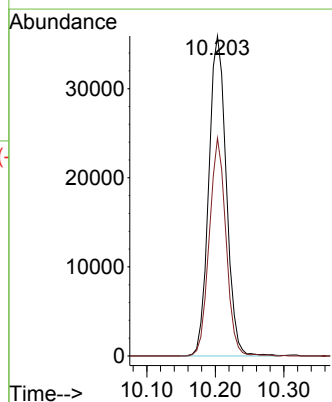
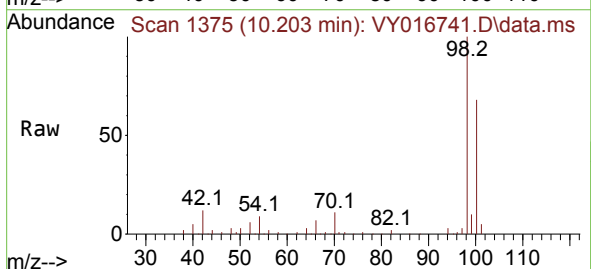
Acq: 21 Dec 2023 05:34

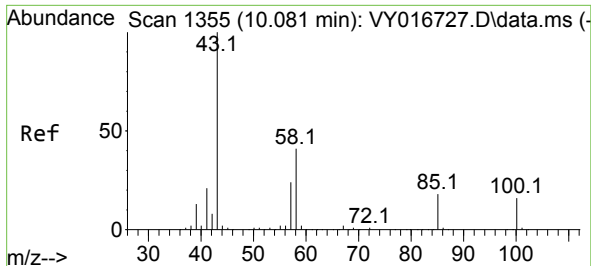
Tgt Ion: 98 Resp: 63926

Ion Ratio Lower Upper

98 100

100 64.9 52.3 78.5

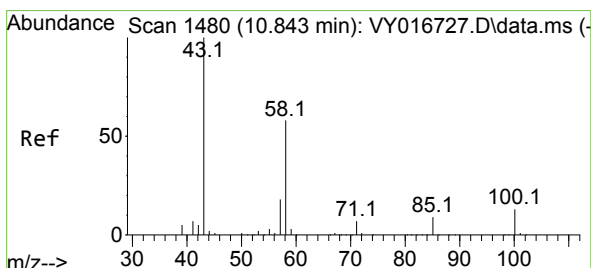
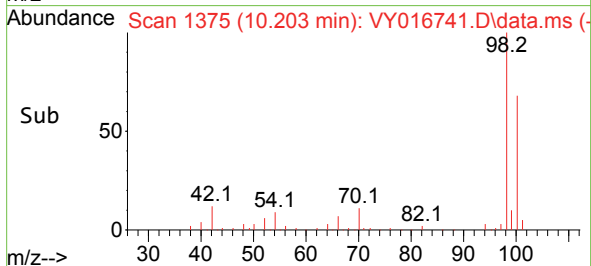
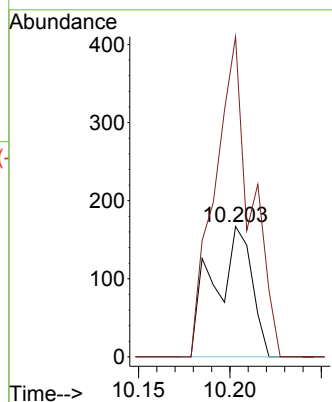
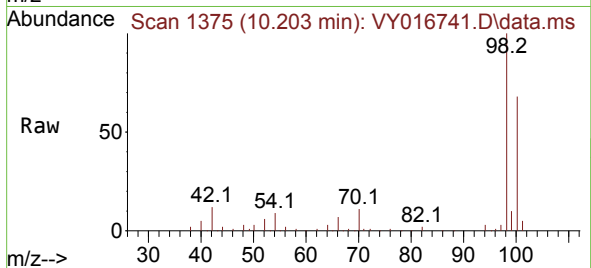




#51
4-Methyl-2-Pentanone
Concen: 1.202 ug/l
RT: 10.203 min Scan# 11
Delta R.T. 0.122 min
Lab File: VY016741.D
Acq: 21 Dec 2023 05:34

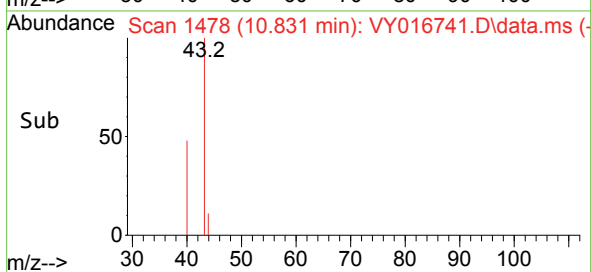
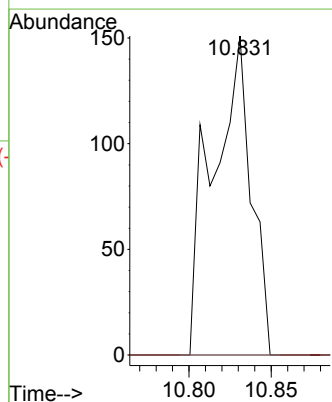
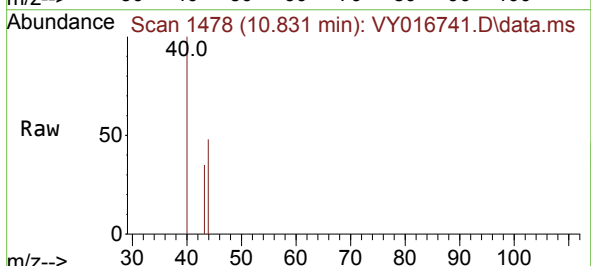
Instrument :
MSVOA_Y
ClientSampleId :

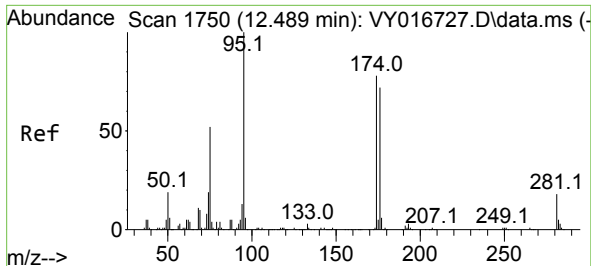
Tgt Ion: 43 Resp: 239
Ion Ratio Lower Upper
43 100
58 236.0 32.2 48.2#



#59
2-Hexanone
Concen: 1.665 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. -0.012 min
Lab File: VY016741.D
Acq: 21 Dec 2023 05:34

Tgt Ion: 43 Resp: 247
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#

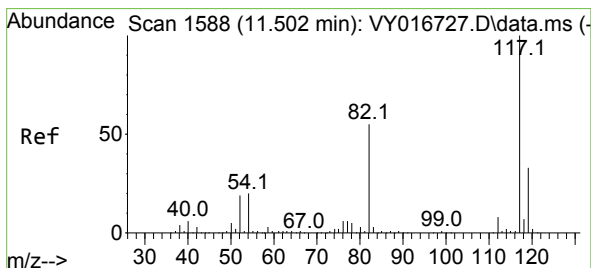
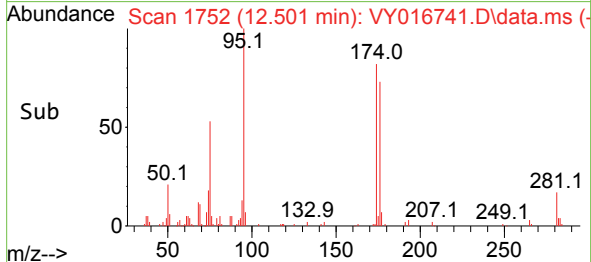
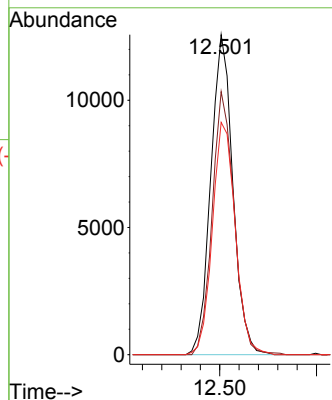
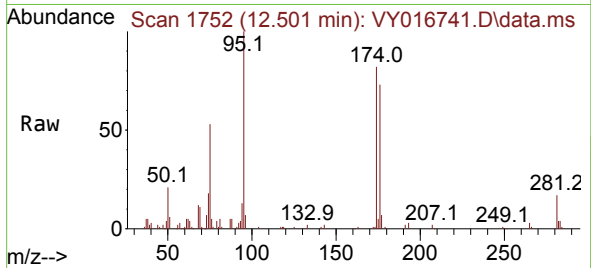




#62
4-Bromofluorobenzene
Concen: 60.965 ug/l
RT: 12.501 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY016741.D
Acq: 21 Dec 2023 05:34

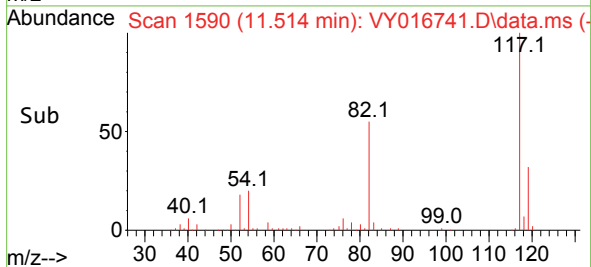
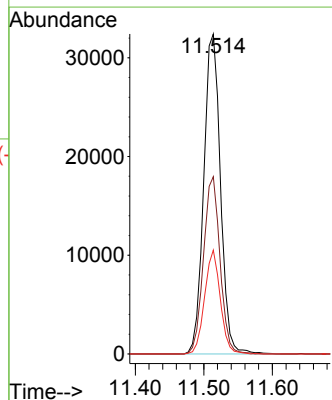
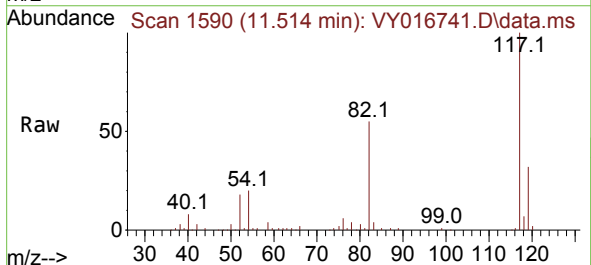
Instrument :
MSVOA_Y
ClientSampleId :

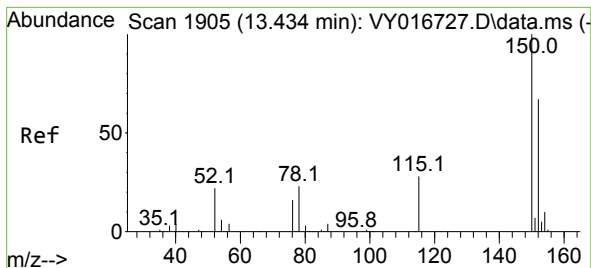
Tgt Ion: 95 Resp: 19944
Ion Ratio Lower Upper
95 100
174 81.4 0.0 160.0
176 75.3 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.514 min Scan# 1590
Delta R.T. 0.012 min
Lab File: VY016741.D
Acq: 21 Dec 2023 05:34

Tgt Ion: 117 Resp: 55118
Ion Ratio Lower Upper
117 100
82 55.4 43.8 65.8
119 32.5 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.446 min Scan# 1905

Delta R.T. 0.012 min

Lab File: VY016741.D

Acq: 21 Dec 2023 05:34

Instrument :

MSVOA_Y

ClientSampleId :

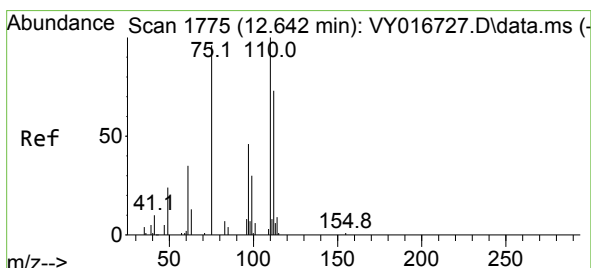
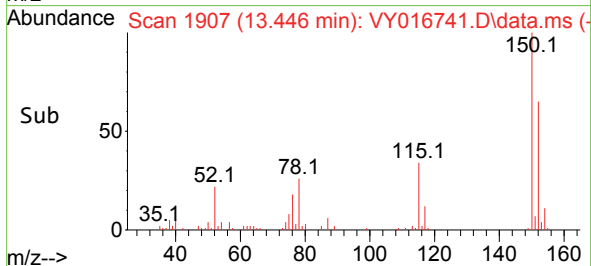
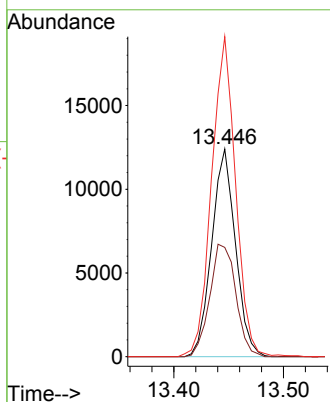
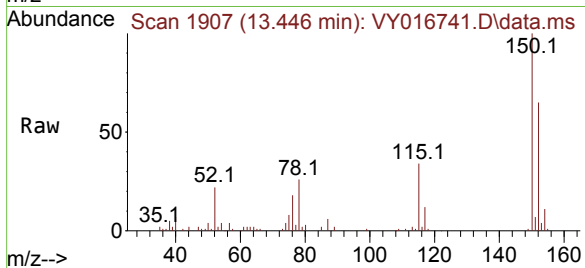
Tgt Ion:152 Resp: 18728

Ion Ratio Lower Upper

152 100

115 59.3 30.0 90.0

150 155.5 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 50.529 ug/l

RT: 12.501 min Scan# 1752

Delta R.T. -0.140 min

Lab File: VY016741.D

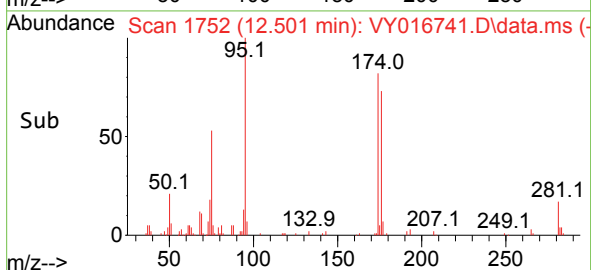
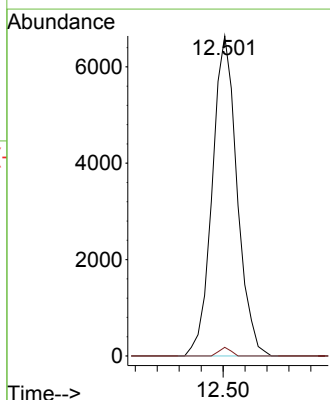
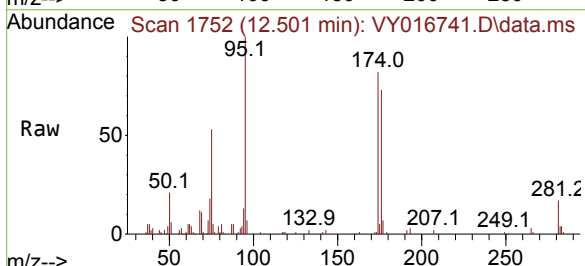
Acq: 21 Dec 2023 05:34

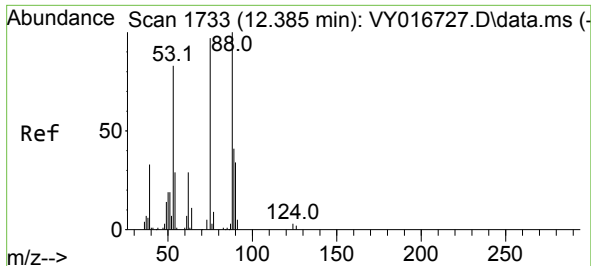
Tgt Ion: 75 Resp: 10461

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

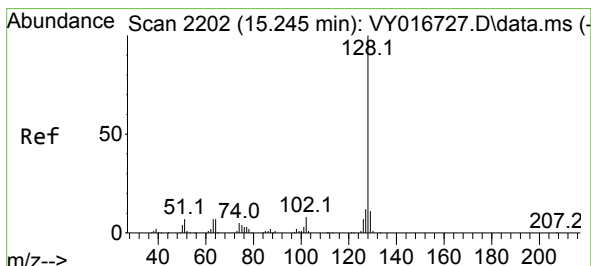
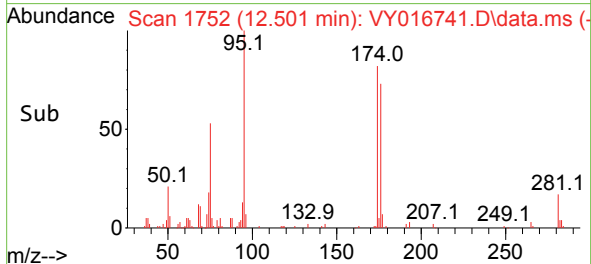
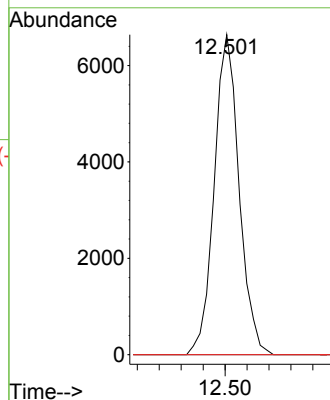
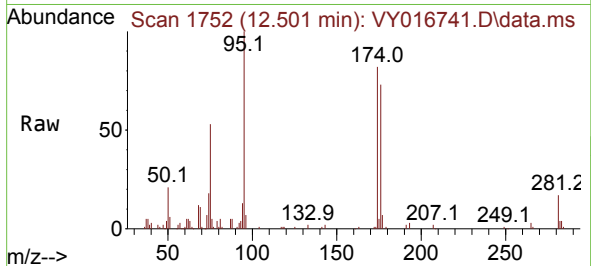




#81
trans-1,4-Dichloro-2-butene
Concen: 118.665 ug/l
RT: 12.501 min Scan# 11
Delta R.T. 0.116 min
Lab File: VY016741.D
Acq: 21 Dec 2023 05:34

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 10461
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#95
Naphthalene
Concen: 4.203 ug/l
RT: 15.257 min Scan# 2204
Delta R.T. 0.012 min
Lab File: VY016741.D
Acq: 21 Dec 2023 05:34

Tgt Ion:128 Resp: 397
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 12.8#

