

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122023\
 Data File : VY016737.D
 Acq On : 21 Dec 2023 03:47
 Operator : SY/MD
 Sample : VY1220SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 21 04:10:31 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	7.813	168	132440	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.716	114	247094	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	212574	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	80299	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	81889	67.731	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	135.460%
35) Dibromofluoromethane	7.746	113	83363	58.896	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	117.800%
50) Toluene-d8	10.203	98	282641	55.394	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	110.780%
62) 4-Bromofluorobenzene	12.501	95	86409	52.199	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	104.400%

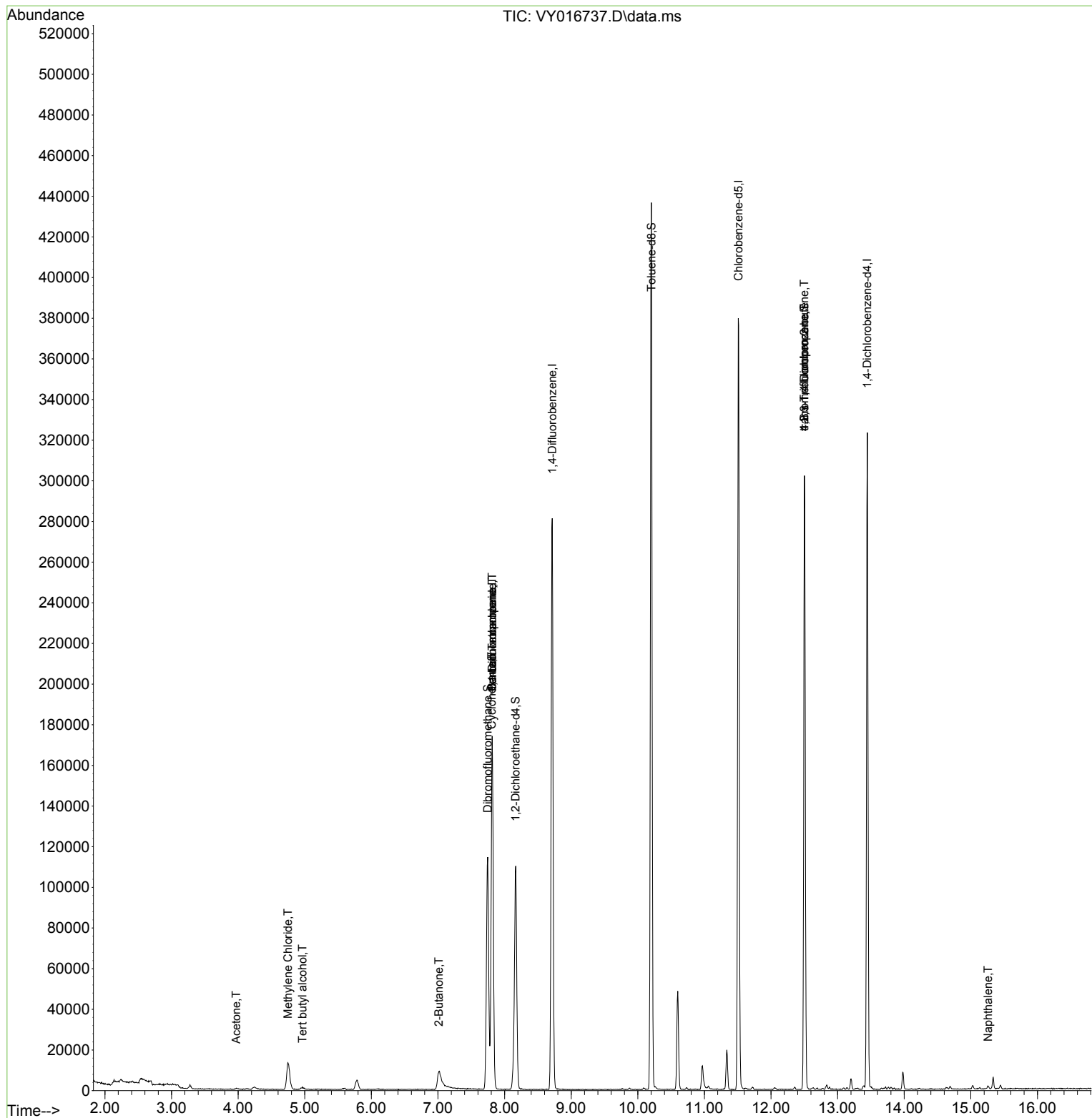
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.966	59	933	9.412	ug/l #	75
16) Acetone	3.972	43	858	2.624	ug/l	99
20) Methylene Chloride	4.747	84	10549	3.521	ug/l	94
25) 2-Butanone	7.015	43	886	1.968	ug/l #	48
31) Cyclohexane	7.807	56	3023	1.305	ug/l #	1
36) 1,1-Dichloropropene	7.813	75	10587	4.666	ug/l #	50
38) Carbon Tetrachloride	7.813	117	13470	5.999	ug/l #	16
76) 1,2,3-Trichloropropane	12.501	75	45103	50.811	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.501	75	45103	119.326	ug/l #	12
95) Naphthalene	15.257	128	1567	4.155	ug/l	98

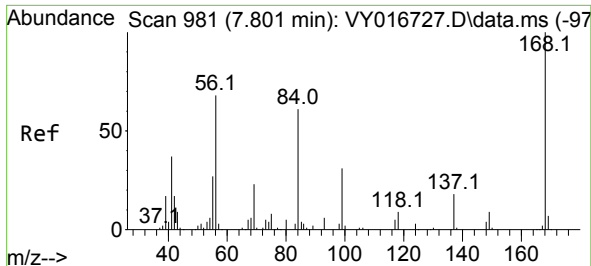
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122023\
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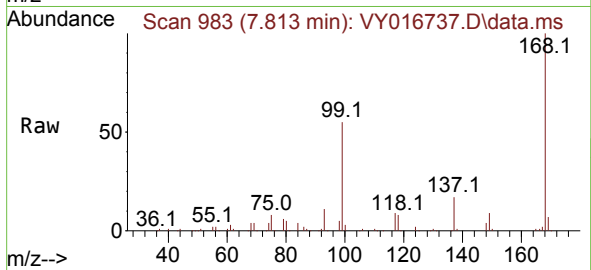
Quant Time: Dec 21 04:10:31 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 21 01:49:45 2023
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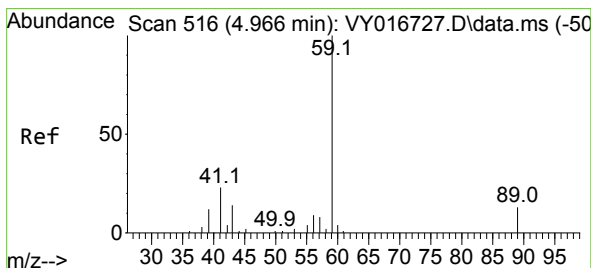
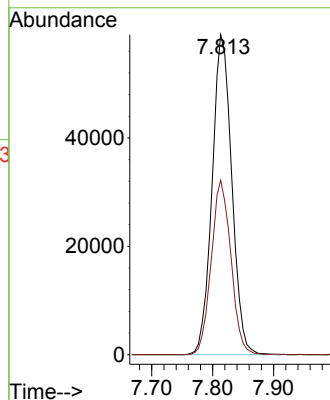
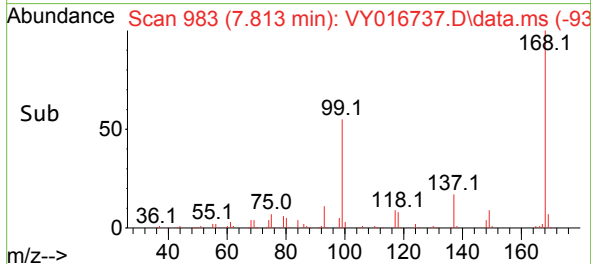


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY016737.D
Acq: 21 Dec 2023 03:47

Instrument :
MSVOA_Y
ClientSampleId :

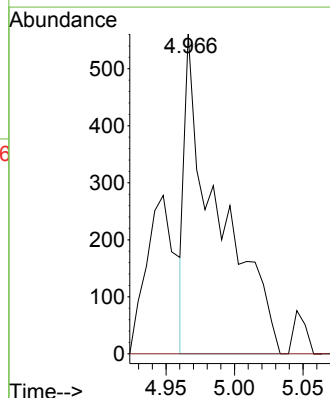
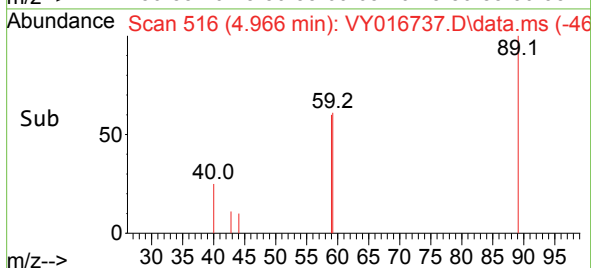
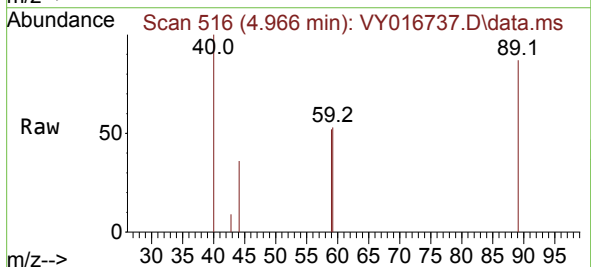


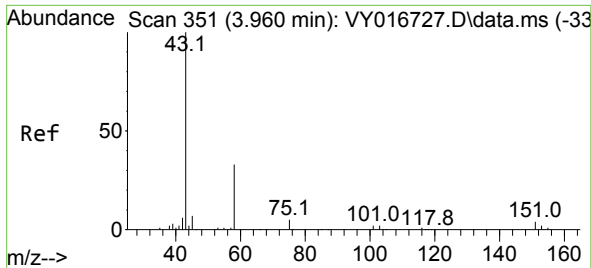
Tgt Ion:168 Resp: 132440
Ion Ratio Lower Upper
168 100
99 54.5 44.2 66.4



#11
Tert butyl alcohol
Concen: 9.412 ug/l
RT: 4.966 min Scan# 516
Delta R.T. 0.000 min
Lab File: VY016737.D
Acq: 21 Dec 2023 03:47

Tgt Ion: 59 Resp: 933
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 2.624 ug/l

RT: 3.972 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY016737.D

Acq: 21 Dec 2023 03:47

Instrument :

MSVOA_Y

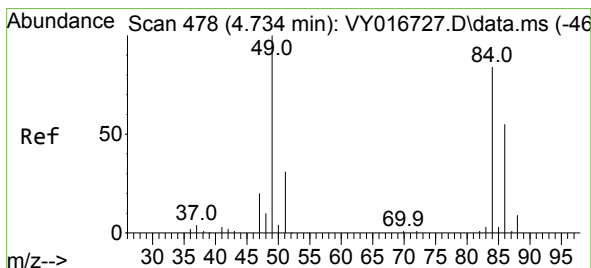
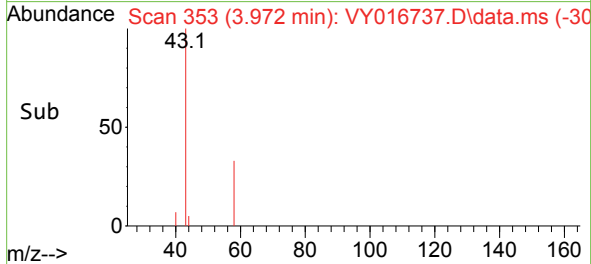
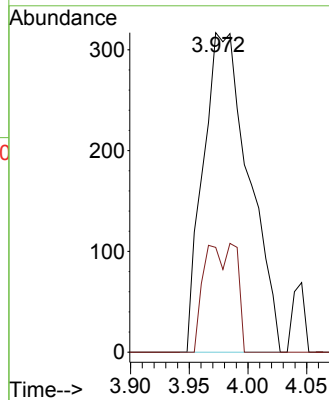
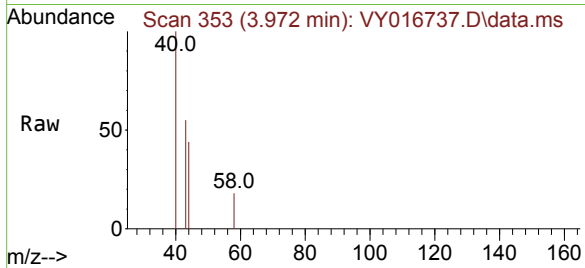
ClientSampleId :

Tgt Ion: 43 Resp: 858

Ion Ratio Lower Upper

43 100

58 32.8 26.6 39.8



#20

Methylene Chloride

Concen: 3.521 ug/l

RT: 4.747 min Scan# 480

Delta R.T. 0.013 min

Lab File: VY016737.D

Acq: 21 Dec 2023 03:47

Tgt Ion: 84 Resp: 10549

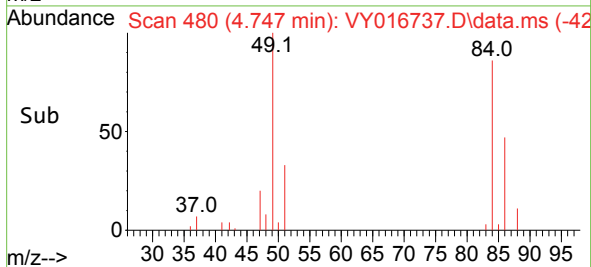
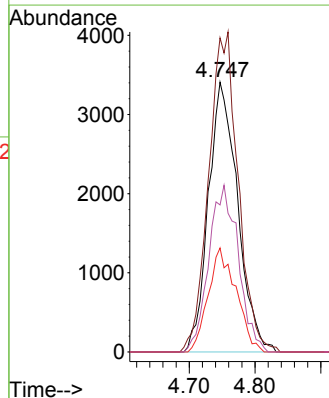
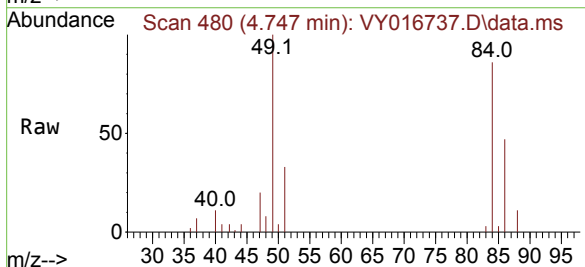
Ion Ratio Lower Upper

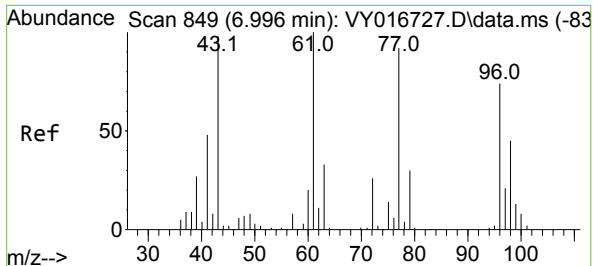
84 100

49 116.5 95.2 142.8

51 38.6 29.9 44.9

86 54.5 52.2 78.4





#25

2-Butanone

Concen: 1.968 ug/l

RT: 7.015 min Scan# 81

Delta R.T. 0.019 min

Lab File: VY016737.D

Acq: 21 Dec 2023 03:47

Instrument :

MSVOA_Y

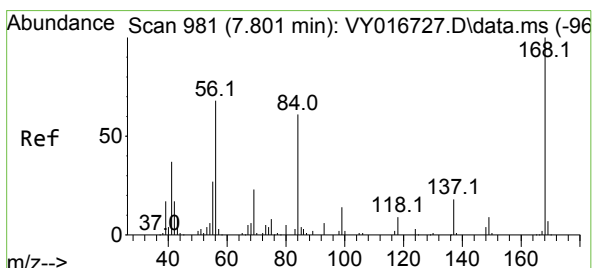
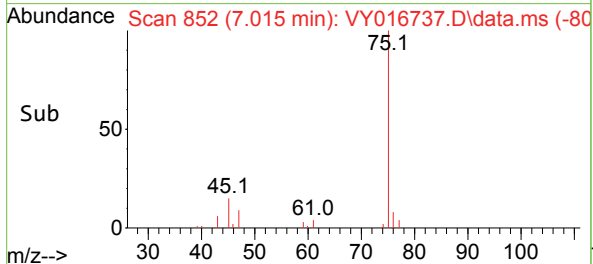
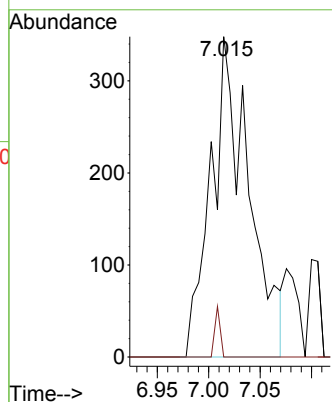
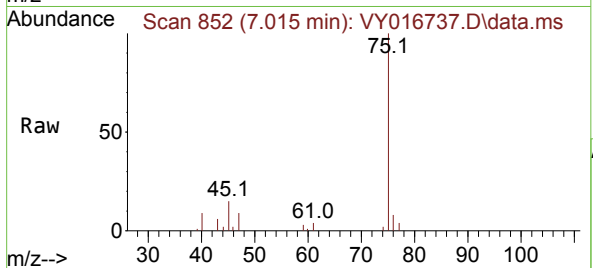
ClientSampleId :

Tgt Ion: 43 Resp: 886

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#31

Cyclohexane

Concen: 1.305 ug/l

RT: 7.807 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY016737.D

Acq: 21 Dec 2023 03:47

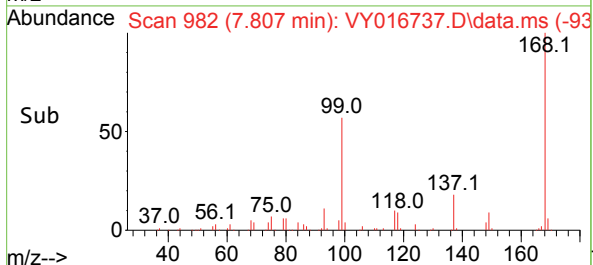
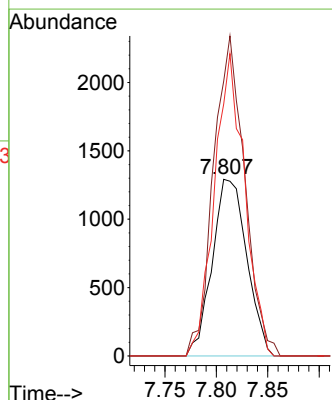
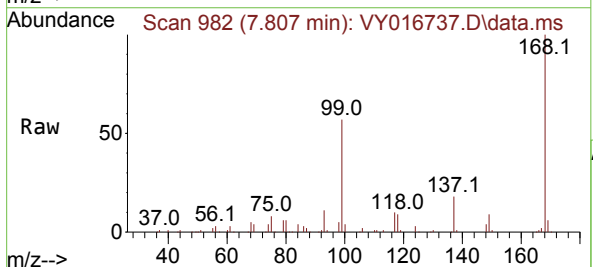
Tgt Ion: 56 Resp: 3023

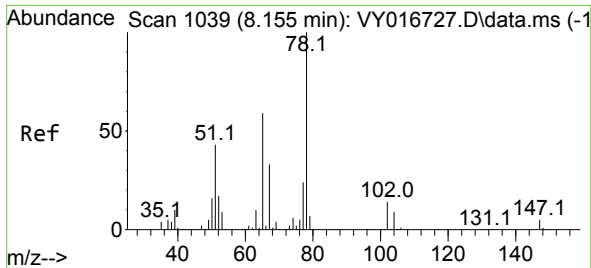
Ion Ratio Lower Upper

56 100

69 155.6 27.0 40.6#

84 142.6 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 67.731 ug/l

RT: 8.167 min Scan# 110

Delta R.T. 0.012 min

Lab File: VY016737.D

Acq: 21 Dec 2023 03:47

Instrument :

MSVOA_Y

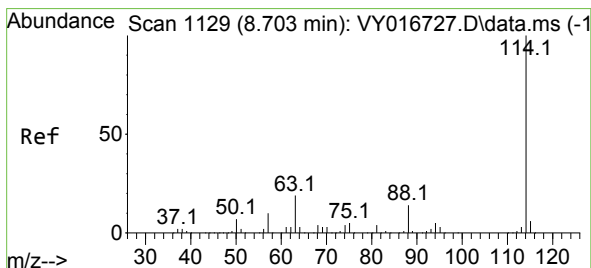
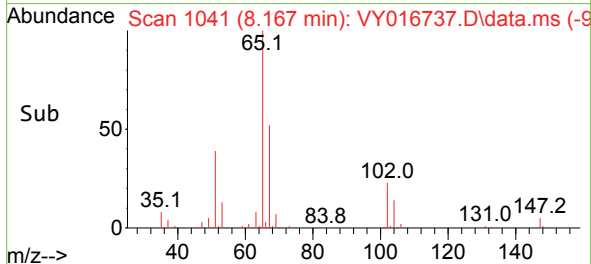
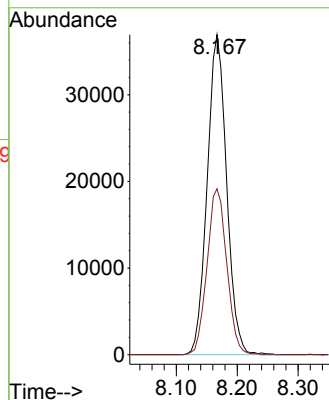
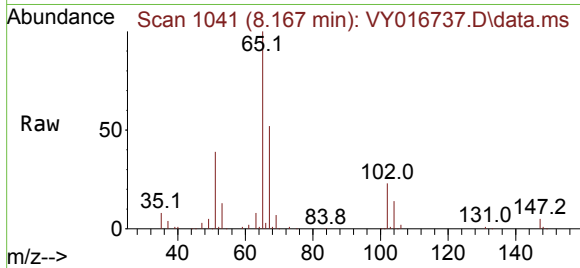
ClientSampleId :

Tgt Ion: 65 Resp: 81889

Ion Ratio Lower Upper

65 100

67 52.6 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: VY016737.D

Acq: 21 Dec 2023 03:47

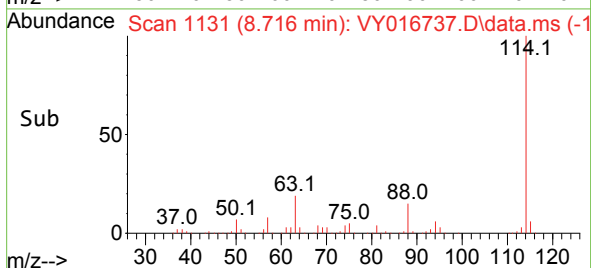
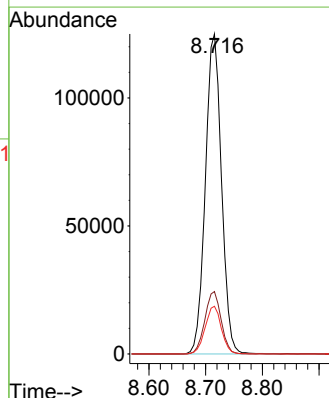
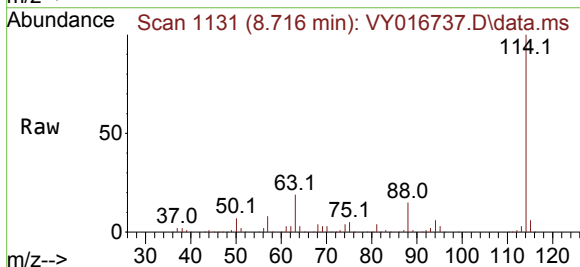
Tgt Ion:114 Resp: 247094

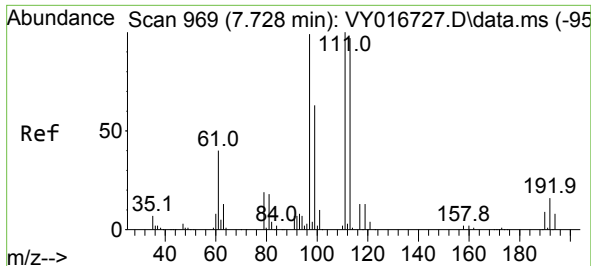
Ion Ratio Lower Upper

114 100

63 19.5 0.0 37.4

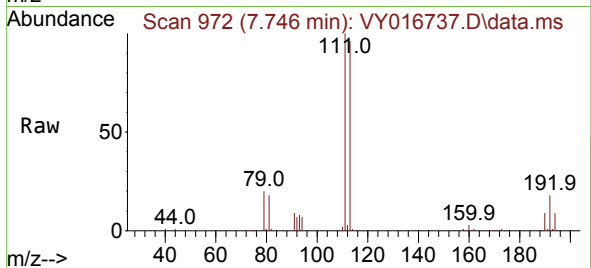
88 14.9 0.0 29.0



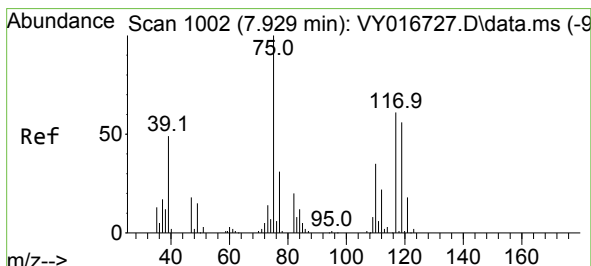
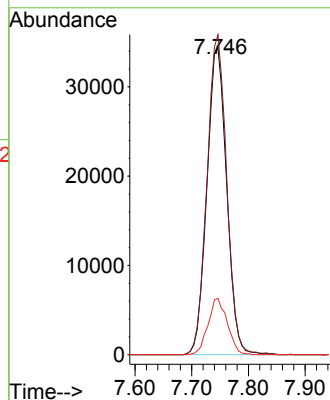
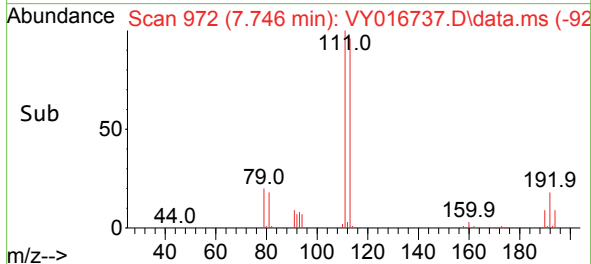


#35
Dibromofluoromethane
Concen: 58.896 ug/l
RT: 7.746 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY016737.D
Acq: 21 Dec 2023 03:47

Instrument :
MSVOA_Y
ClientSampleId :

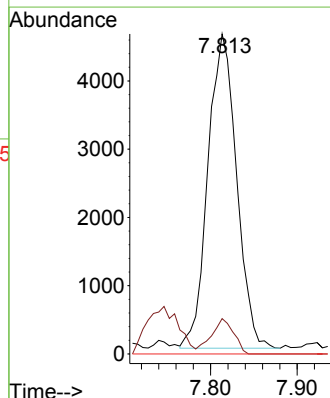
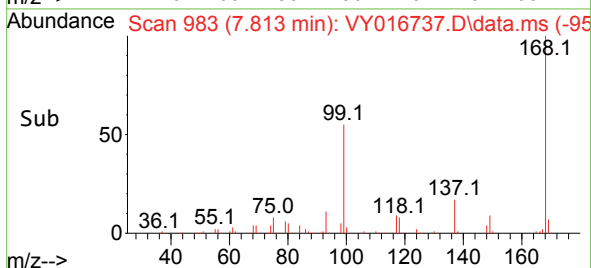
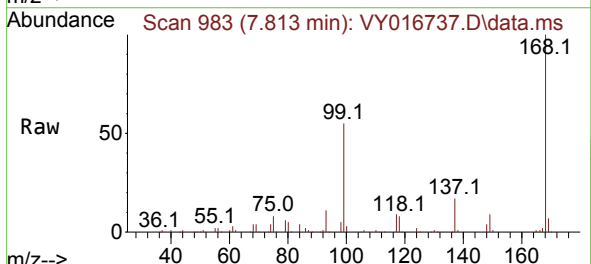


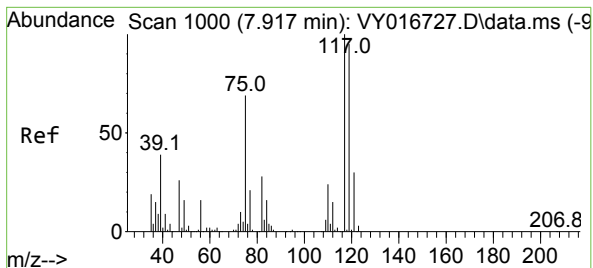
Tgt Ion:113 Resp: 83363
Ion Ratio Lower Upper
113 100
111 103.9 83.8 125.6
192 17.9 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.666 ug/l
RT: 7.813 min Scan# 983
Delta R.T. -0.116 min
Lab File: VY016737.D
Acq: 21 Dec 2023 03:47

Tgt Ion: 75 Resp: 10587
Ion Ratio Lower Upper
75 100
110 8.8 17.4 52.3#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.999 ug/l

RT: 7.813 min Scan# 91

Delta R.T. -0.104 min

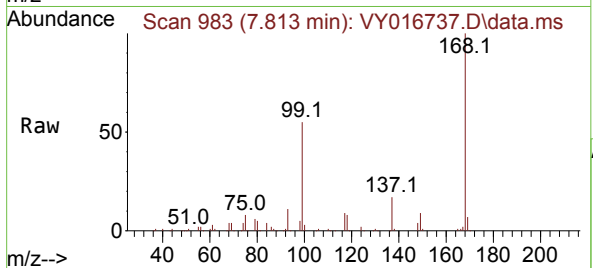
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Acq: 21 Dec 2023 03:47

Instrument :

MSVOA_Y

ClientSampleId :



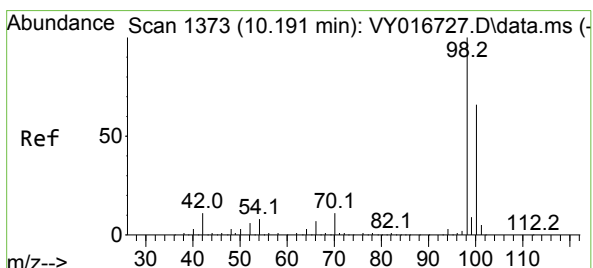
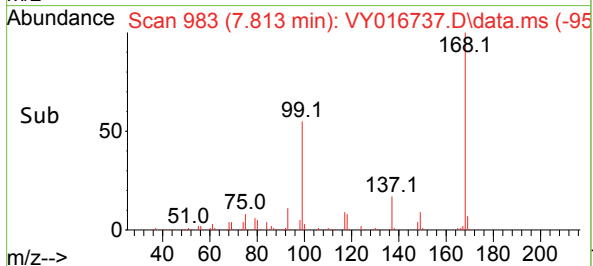
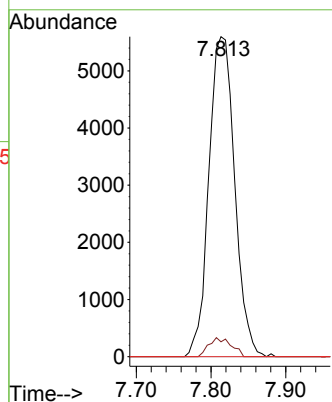
Tgt Ion:117 Resp: 13470

Ion Ratio Lower Upper

117 100

119 4.7 76.0 114.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 55.394 ug/l

RT: 10.203 min Scan# 1375

Delta R.T. 0.012 min

Lab File: VY016737.D

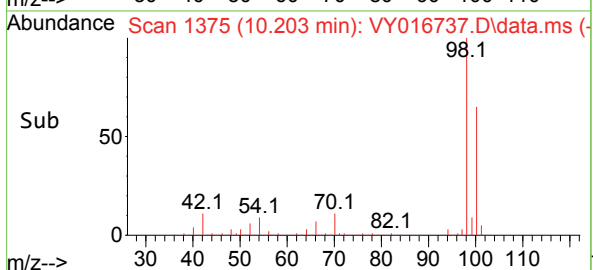
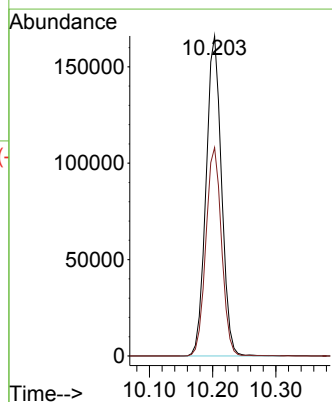
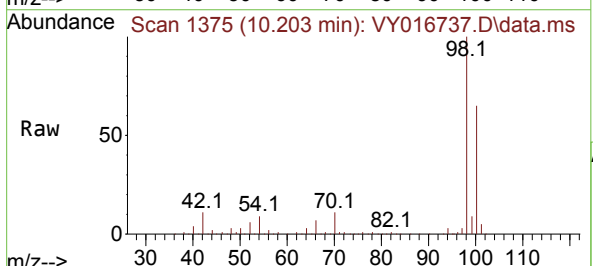
Acq: 21 Dec 2023 03:47

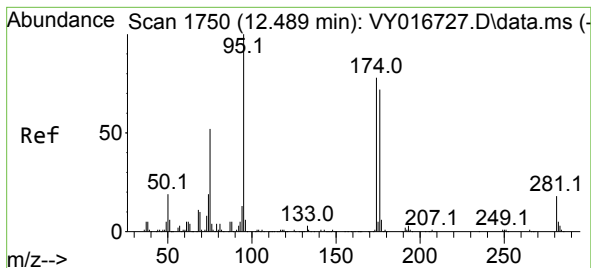
Tgt Ion: 98 Resp: 282641

Ion Ratio Lower Upper

98 100

100 66.0 52.3 78.5





#62

4-Bromofluorobenzene

Concen: 52.199 ug/l

RT: 12.501 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY016737.D

Acq: 21 Dec 2023 03:47

Instrument :

MSVOA_Y

ClientSampleId :

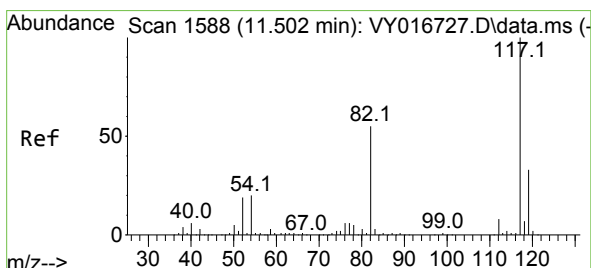
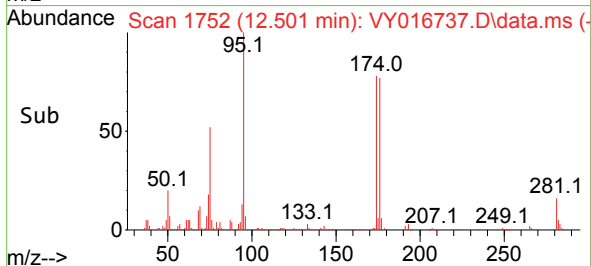
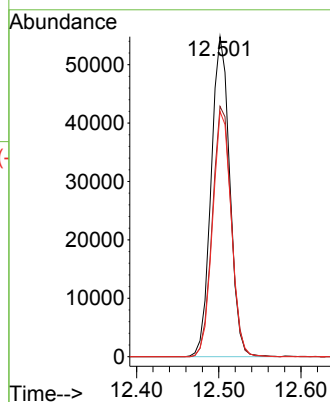
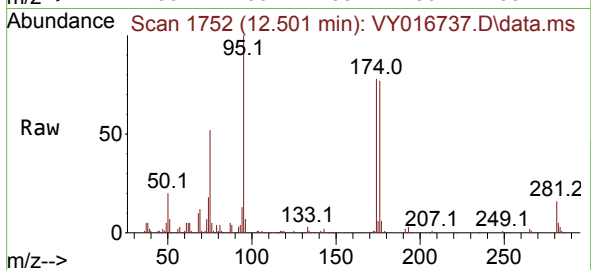
Tgt Ion: 95 Resp: 86409

Ion Ratio Lower Upper

95 100

174 79.0 0.0 160.0

176 76.9 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: VY016737.D

Acq: 21 Dec 2023 03:47

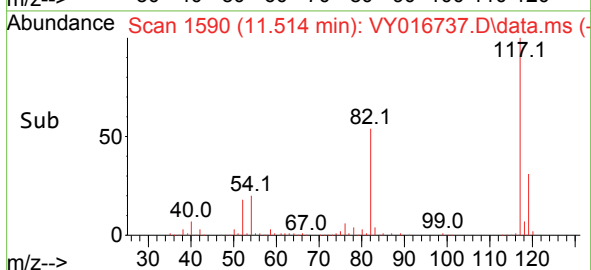
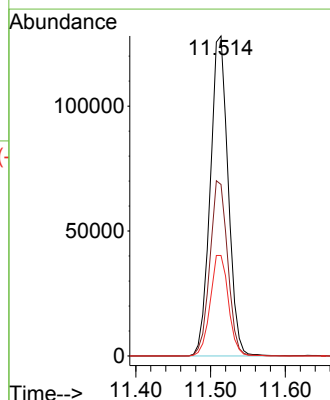
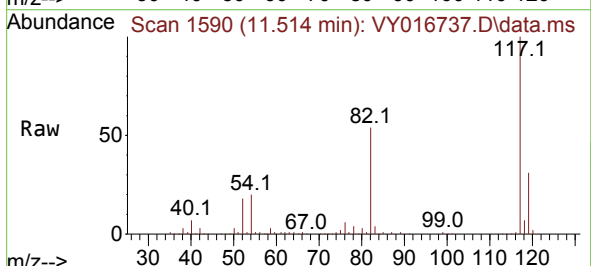
Tgt Ion: 117 Resp: 212574

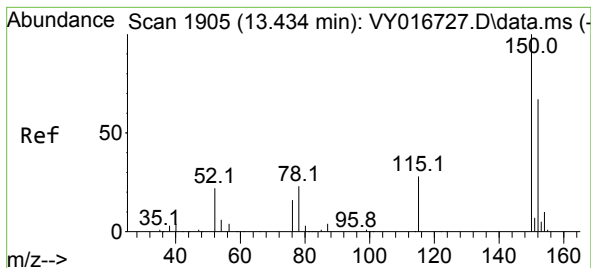
Ion Ratio Lower Upper

117 100

82 53.6 43.8 65.8

119 31.4 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: VY016737.D

Acq: 21 Dec 2023 03:47

Instrument :

MSVOA_Y

ClientSampleId :

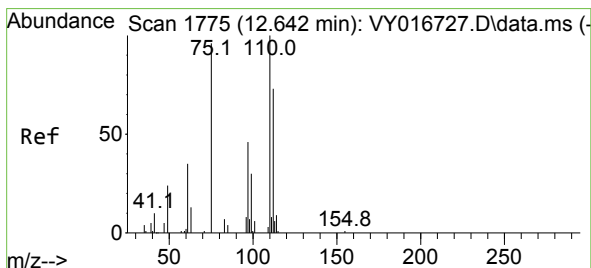
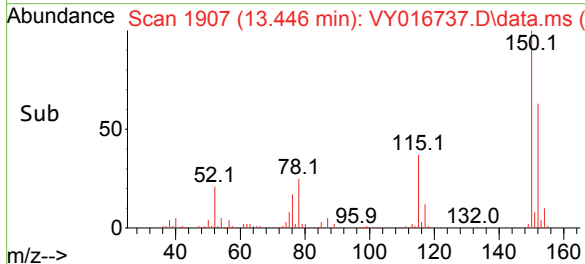
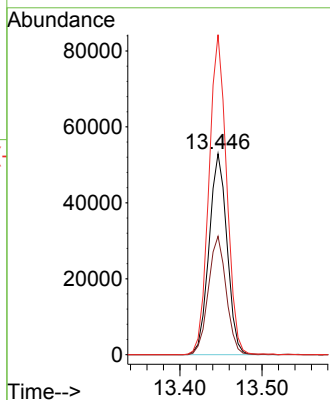
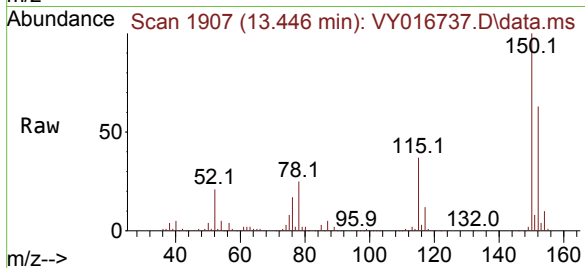
Tgt Ion:152 Resp: 80299

Ion Ratio Lower Upper

152 100

115 58.5 30.0 90.0

150 156.9 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 50.811 ug/l

RT: 12.501 min Scan# 1752

Delta R.T. -0.140 min

Lab File: VY016737.D

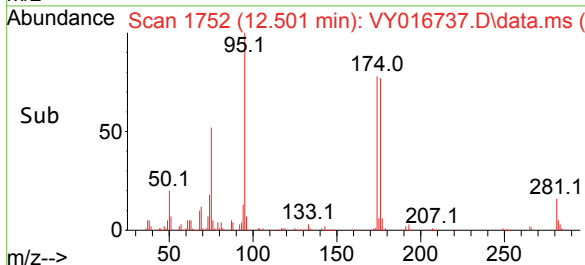
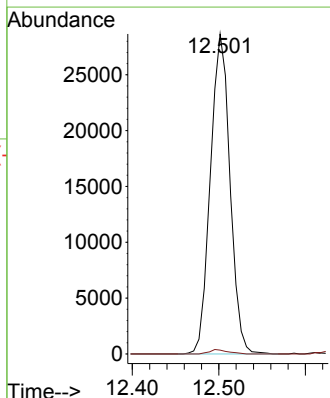
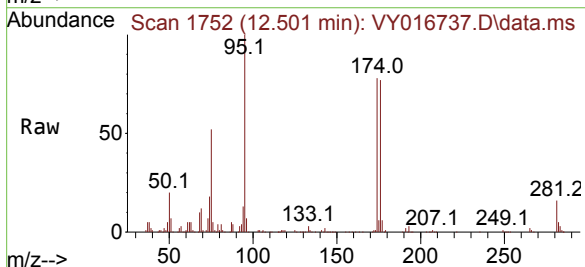
Acq: 21 Dec 2023 03:47

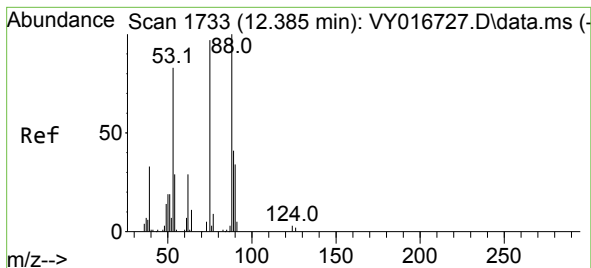
Tgt Ion: 75 Resp: 45103

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

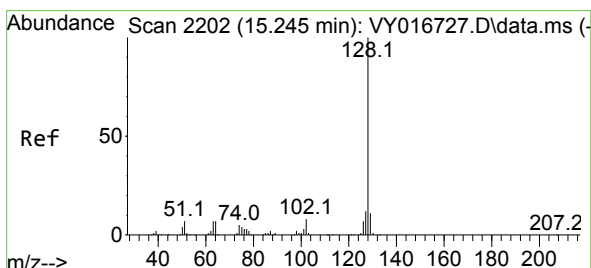
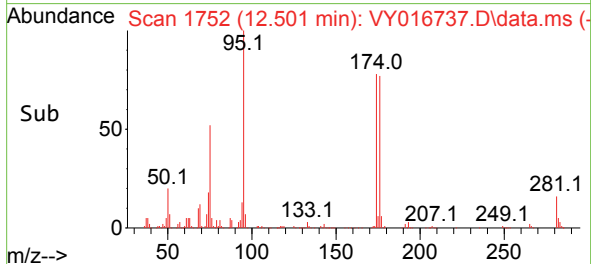
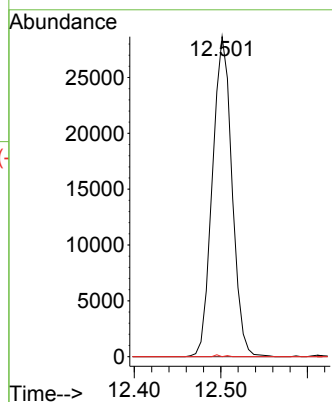
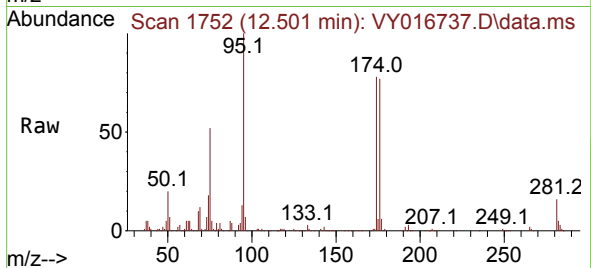




#81
trans-1,4-Dichloro-2-butene
Concen: 119.326 ug/l
RT: 12.501 min Scan# 11
Delta R.T. 0.116 min
Lab File: VY016737.D
Acq: 21 Dec 2023 03:47

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 45103
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.2 36.5 54.7#



#95
Naphthalene
Concen: 4.155 ug/l
RT: 15.257 min Scan# 2204
Delta R.T. 0.012 min
Lab File: VY016737.D
Acq: 21 Dec 2023 03:47

Tgt Ion:128 Resp: 1567
Ion Ratio Lower Upper
128 100
127 13.5 10.2 15.4
129 11.9 8.6 12.8

