

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122023\
 Data File : VY016747.D
 Acq On : 21 Dec 2023 07:54
 Operator : SY/MD
 Sample : 05876-16
 Misc : 4.69g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 21 08:14:58 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)

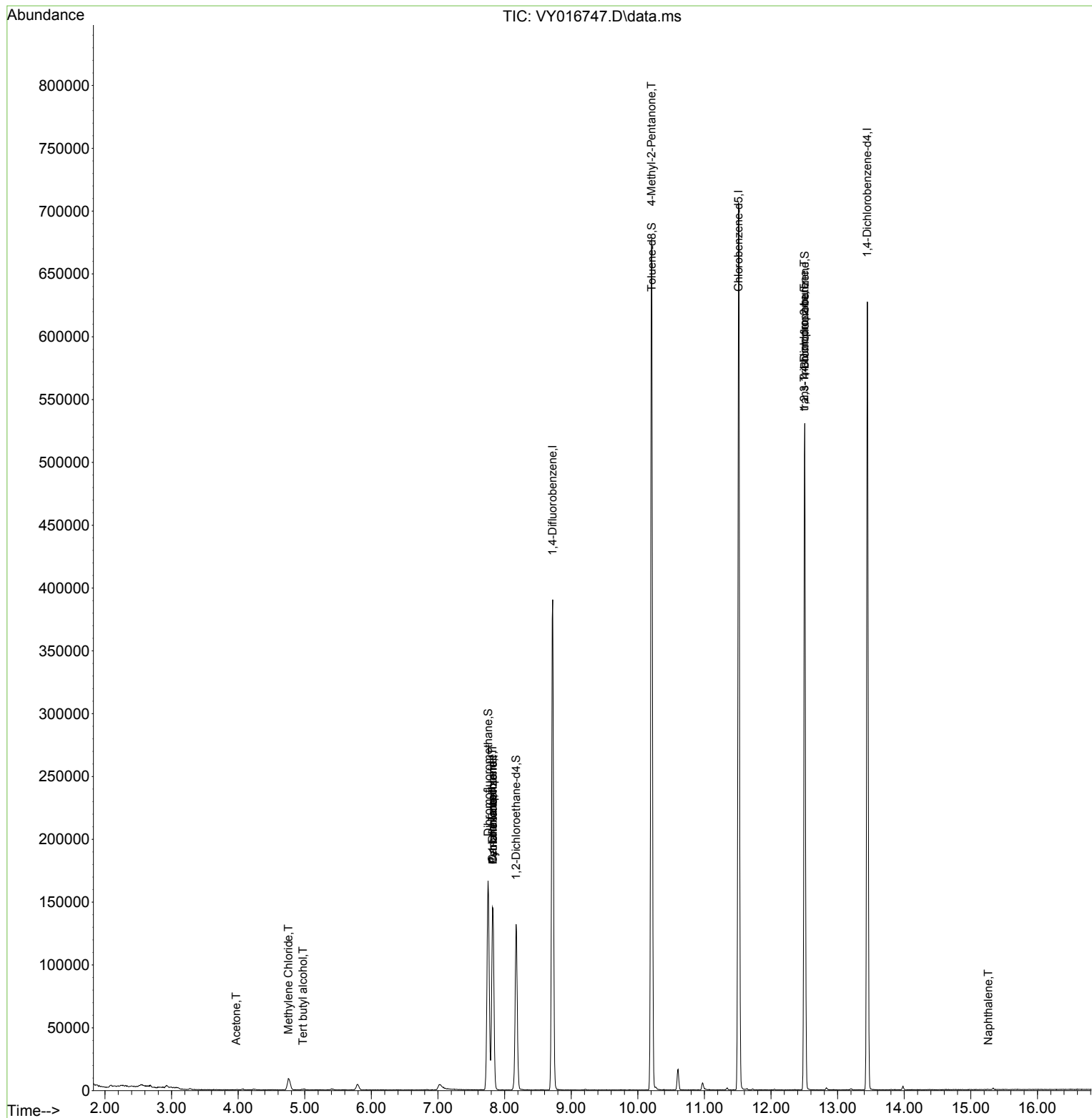
Internal Standards						
1) Pentafluorobenzene	7.825	168	113099	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.721	114	339878	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.513	117	380735	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	153834	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	98563	95.463	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	= 190.920%#	
35) Dibromofluoromethane	7.752	113	120589	61.939	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 123.880%	
50) Toluene-d8	10.209	98	447473	63.757	ug/l	0.02
Spiked Amount	50.000	Range	58 - 134	Recovery	= 127.520%	
62) 4-Bromofluorobenzene	12.507	95	163039	71.603	ug/l	0.02
Spiked Amount	50.000	Range	30 - 143	Recovery	= 143.200%#	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.972	59	405	4.784	ug/l #	75
16) Acetone	3.972	43	436	1.562	ug/l #	41
20) Methylene Chloride	4.753	84	6839	1.978	ug/l	95
31) Cyclohexane	7.825	56	2635	1.332	ug/l #	29
36) 1,1-Dichloropropene	7.819	75	9857	3.158	ug/l #	50
38) Carbon Tetrachloride	7.819	117	11638	3.768	ug/l #	16
51) 4-Methyl-2-Pentanone	10.203	43	1904	1.375	ug/l #	1
76) 1,2,3-Trichloropropane	12.501	75	86166	50.669	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.501	75	86166	118.994	ug/l #	12
95) Naphthalene	15.263	128	191	3.630	ug/l #	69

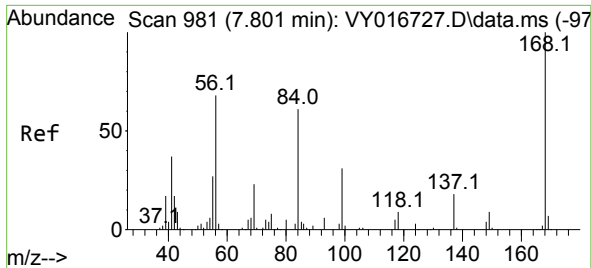
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 21 01:49:45 2023
Response via : Initial Calibration

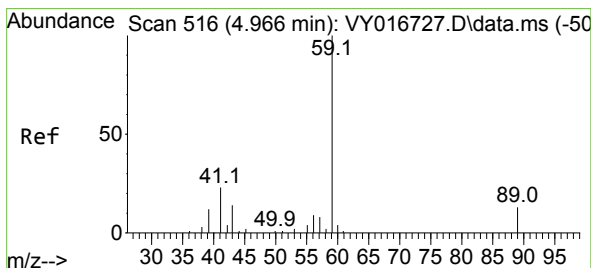
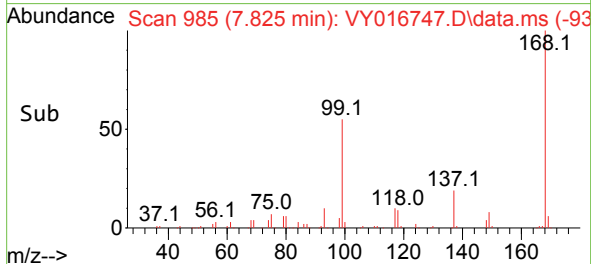
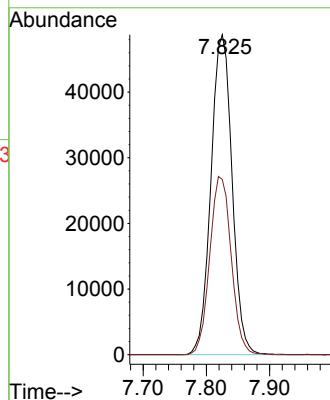
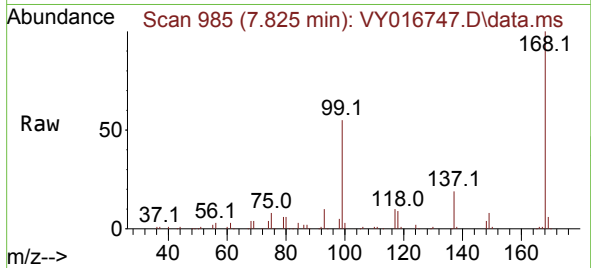




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.825 min Scan# 91
Delta R.T. 0.024 min
Lab File: VY016747.D
Acq: 21 Dec 2023 07:54

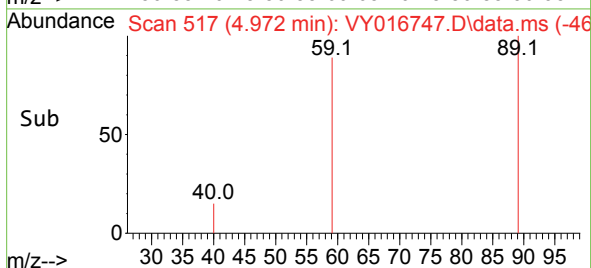
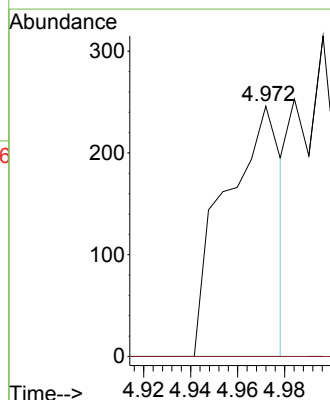
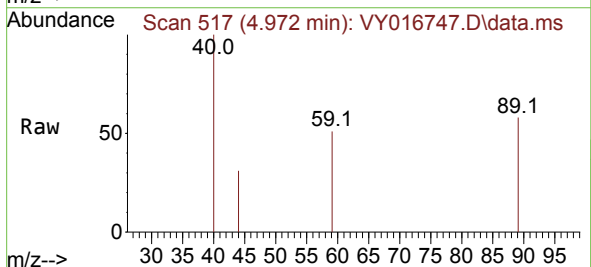
Instrument :
MSVOA_Y
ClientSampleId :

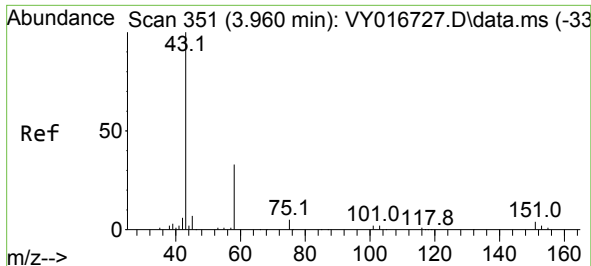
Tgt Ion:168 Resp: 113099
Ion Ratio Lower Upper
168 100
99 54.7 44.2 66.4



#11
Tert butyl alcohol
Concen: 4.784 ug/l
RT: 4.972 min Scan# 517
Delta R.T. 0.006 min
Lab File: VY016747.D
Acq: 21 Dec 2023 07:54

Tgt Ion: 59 Resp: 405
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 1.562 ug/l

RT: 3.972 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY016747.D

Acq: 21 Dec 2023 07:54

Instrument :

MSVOA_Y

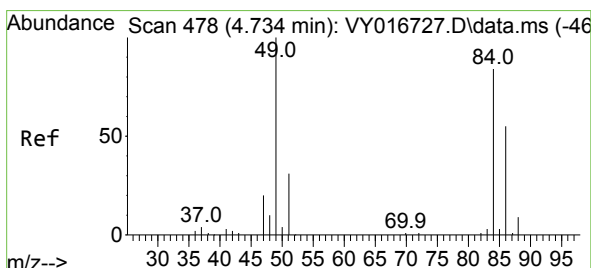
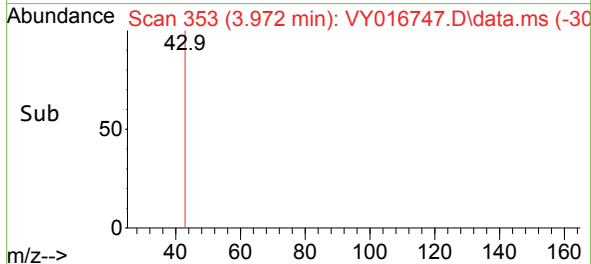
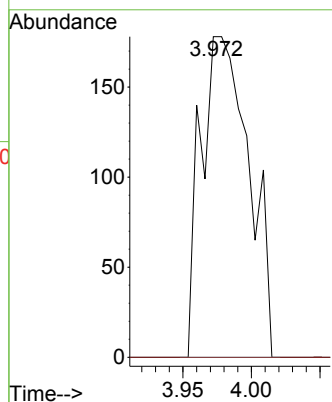
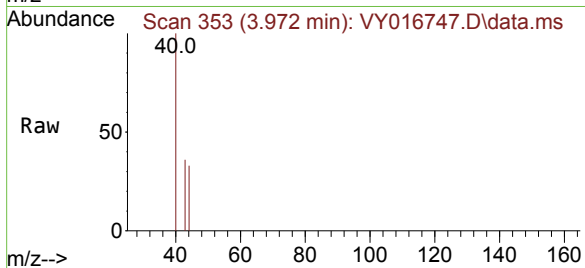
ClientSampleId :

Tgt Ion: 43 Resp: 436

Ion Ratio Lower Upper

43 100

58 0.0 26.6 39.8#



#20

Methylene Chloride

Concen: 1.978 ug/l

RT: 4.753 min Scan# 481

Delta R.T. 0.019 min

Lab File: VY016747.D

Acq: 21 Dec 2023 07:54

Tgt Ion: 84 Resp: 6839

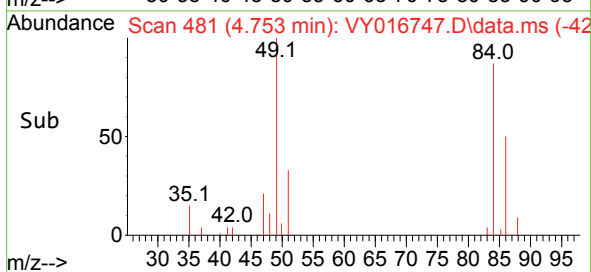
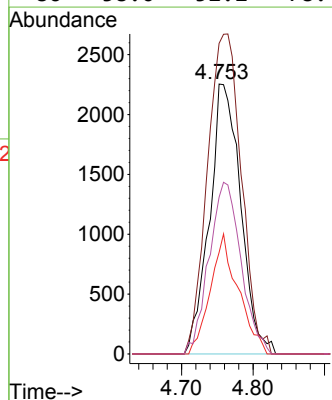
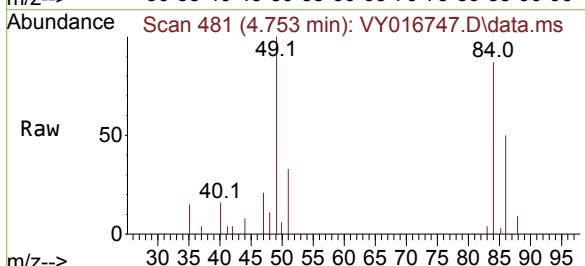
Ion Ratio Lower Upper

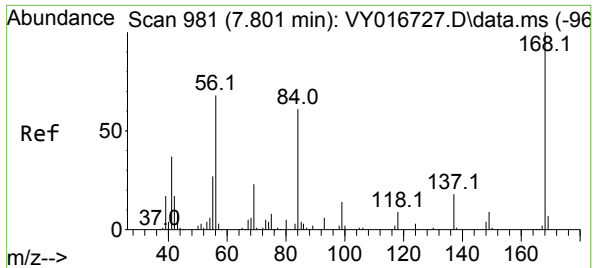
84 100

49 115.0 95.2 142.8

51 37.6 29.9 44.9

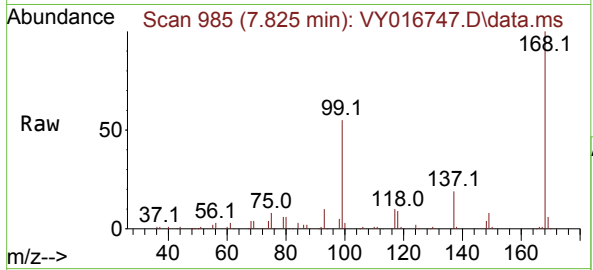
86 58.0 52.2 78.4



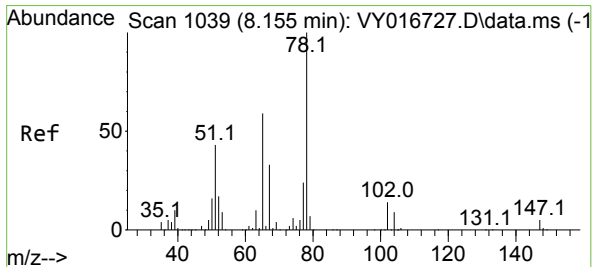
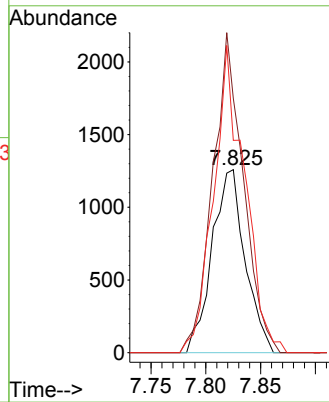
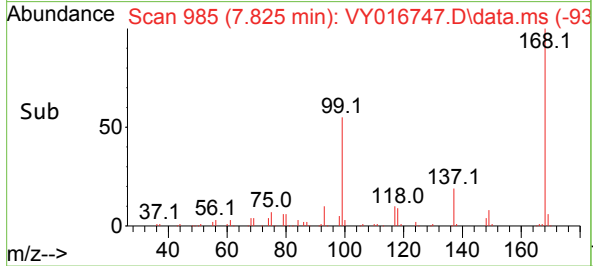


#31
Cyclohexane
Concen: 1.332 ug/l
RT: 7.825 min Scan# 91
Delta R.T. 0.024 min
Lab File: VY016747.D
Acq: 21 Dec 2023 07:54

Instrument :
MSVOA_Y
ClientSampleId :

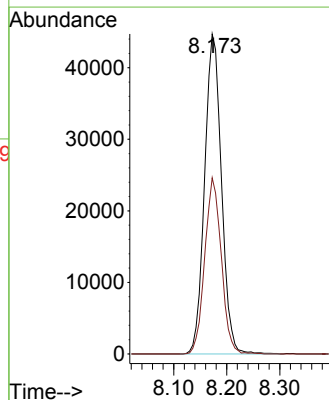
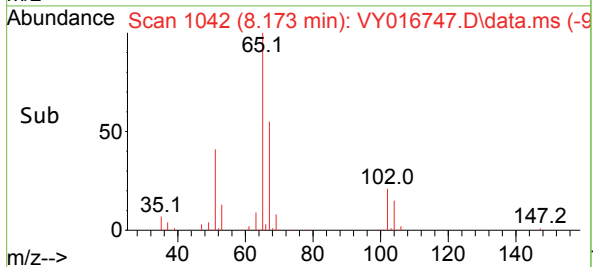
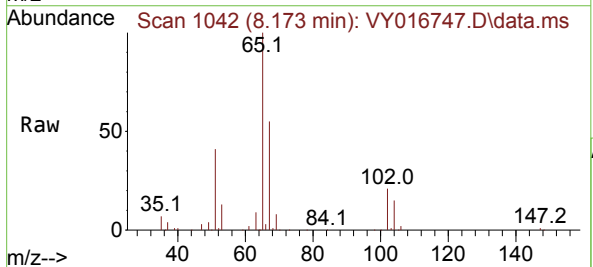


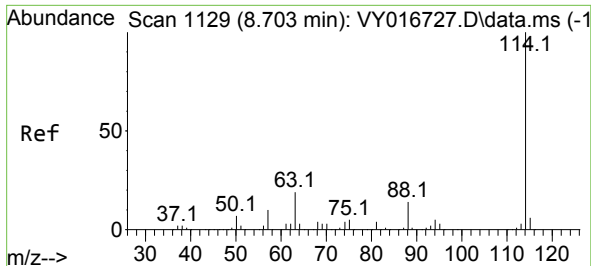
Tgt Ion: 56 Resp: 2635
Ion Ratio Lower Upper
56 100
69 138.9 27.0 40.6#
84 116.0 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 95.463 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.018 min
Lab File: VY016747.D
Acq: 21 Dec 2023 07:54

Tgt Ion: 65 Resp: 98563
Ion Ratio Lower Upper
65 100
67 54.1 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.721 min Scan# 1129

Delta R.T. 0.018 min

Lab File: VY016747.D

Acq: 21 Dec 2023 07:54

Instrument :

MSVOA_Y

ClientSampleId :

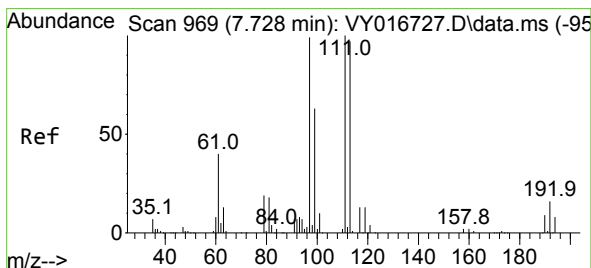
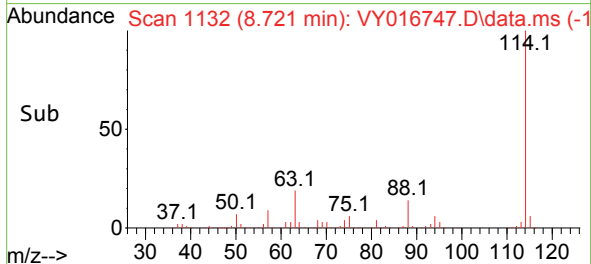
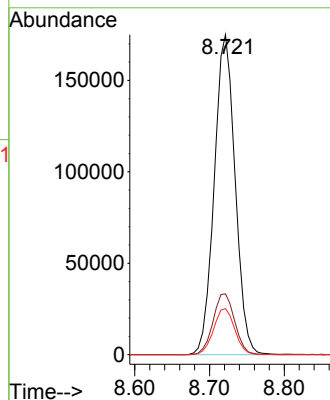
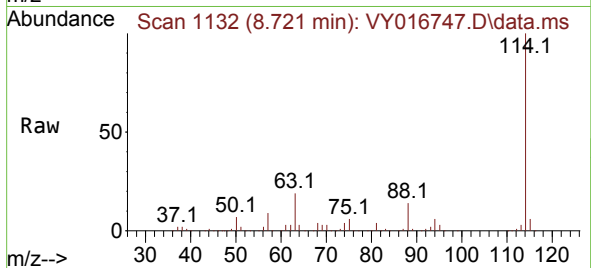
Tgt Ion:114 Resp: 339878

Ion Ratio Lower Upper

114 100

63 19.0 0.0 37.4

88 14.4 0.0 29.0



#35

Dibromofluoromethane

Concen: 61.939 ug/l

RT: 7.752 min Scan# 973

Delta R.T. 0.024 min

Lab File: VY016747.D

Acq: 21 Dec 2023 07:54

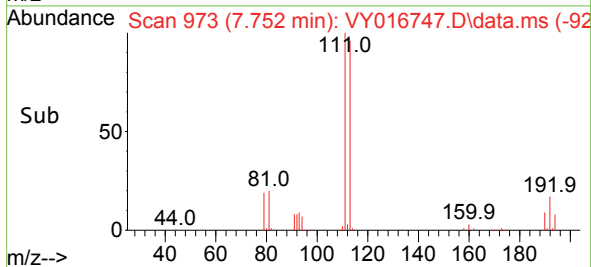
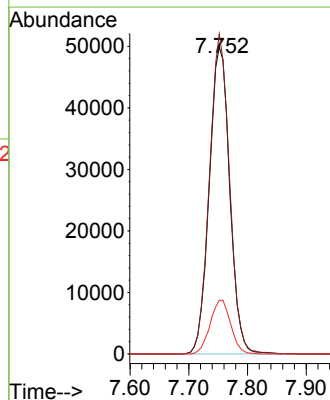
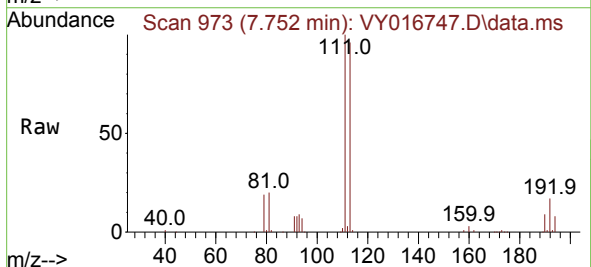
Tgt Ion:113 Resp: 120589

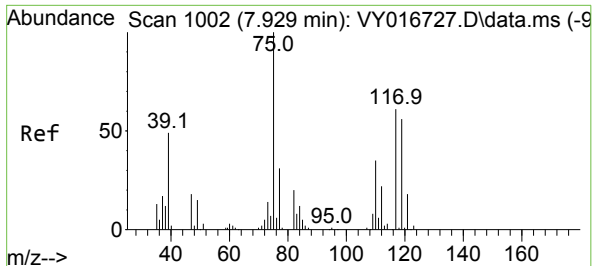
Ion Ratio Lower Upper

113 100

111 102.5 83.8 125.6

192 17.6 14.5 21.7





#36

1,1-Dichloropropene

Concen: 3.158 ug/l

RT: 7.819 min Scan# 984

Delta R.T. -0.110 min

Lab File: VY016747.D

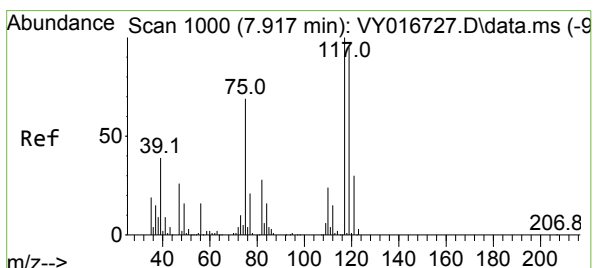
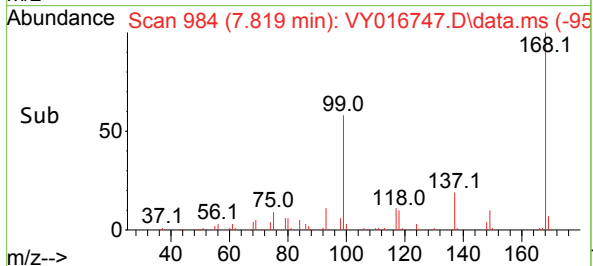
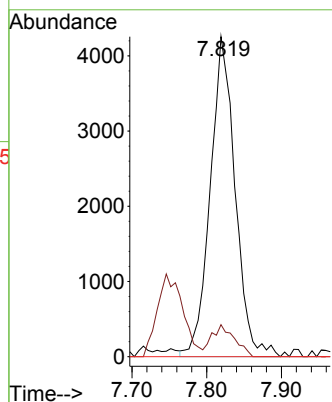
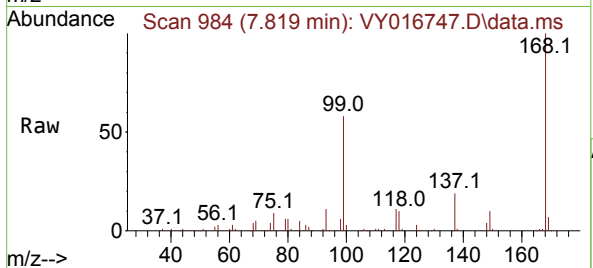
Acq: 21 Dec 2023 07:54

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	75	Resp:	9857
Ion Ratio	Lower	Upper	
75	100		
110	9.1	17.4	52.3#
77	0.0	24.7	37.1#



#38

Carbon Tetrachloride

Concen: 3.768 ug/l

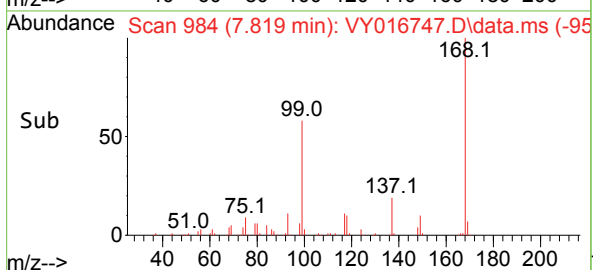
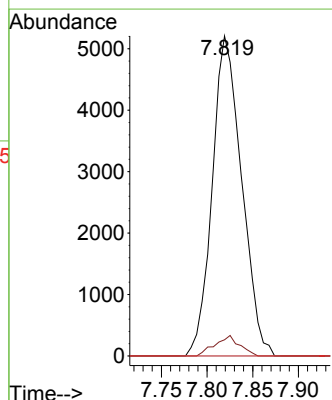
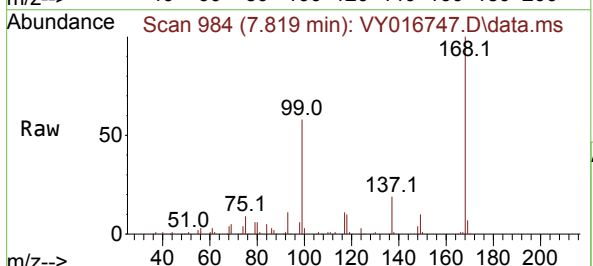
RT: 7.819 min Scan# 984

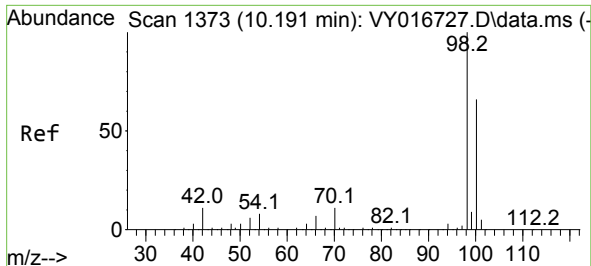
Delta R.T. -0.098 min

Lab File: VY016747.D

Acq: 21 Dec 2023 07:54

Tgt Ion:	117	Resp:	11638
Ion Ratio	Lower	Upper	
117	100		
119	5.1	76.0	114.0#
121	0.0	24.2	36.2#

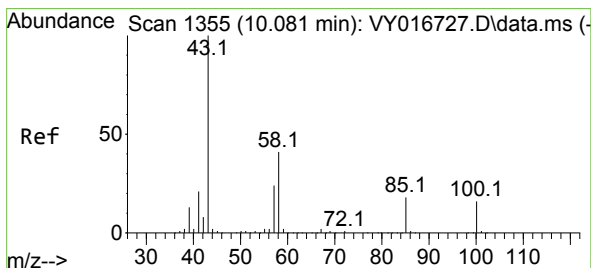
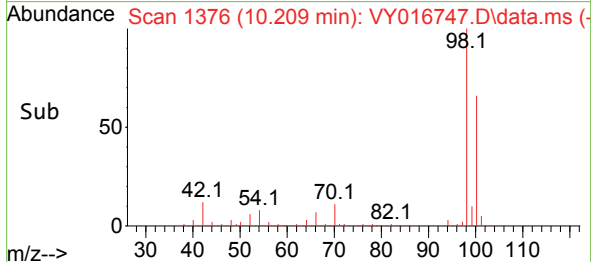
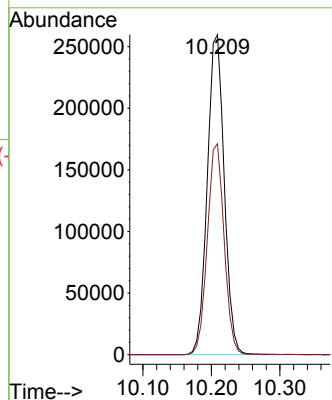
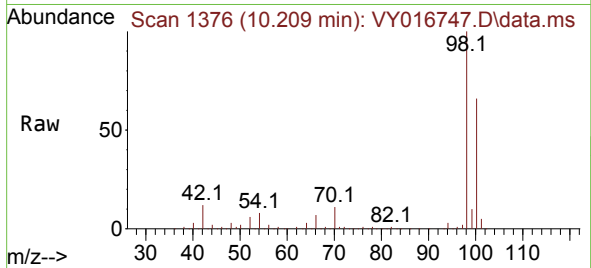




#50
Toluene-d8
Concen: 63.757 ug/l
RT: 10.209 min Scan# 1376
Delta R.T. 0.018 min
Lab File: VY016747.D
Acq: 21 Dec 2023 07:54

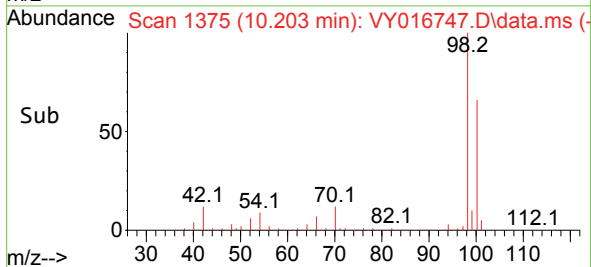
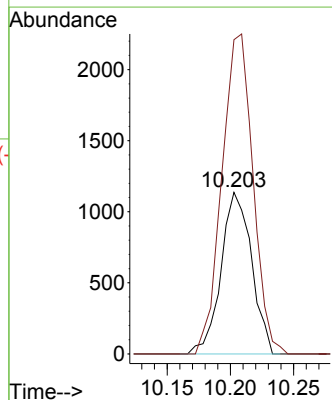
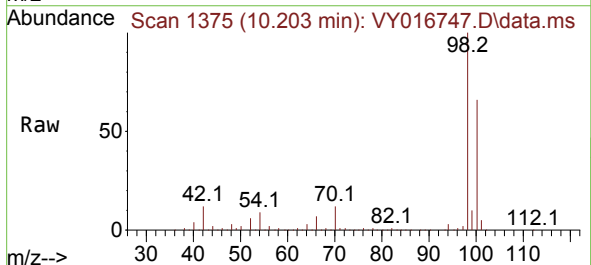
Instrument :
MSVOA_Y
ClientSampleId :

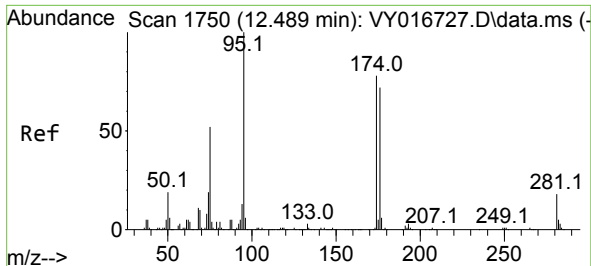
Tgt Ion: 98 Resp: 447473
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.375 ug/l
RT: 10.203 min Scan# 1375
Delta R.T. 0.122 min
Lab File: VY016747.D
Acq: 21 Dec 2023 07:54

Tgt Ion: 43 Resp: 1904
Ion Ratio Lower Upper
43 100
58 202.0 32.2 48.2#

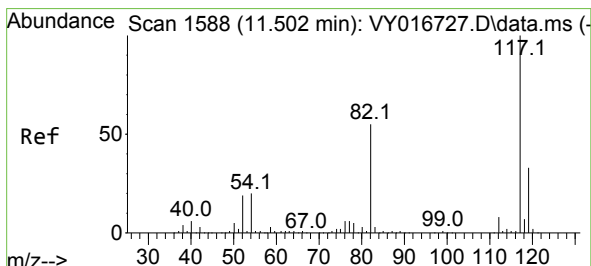
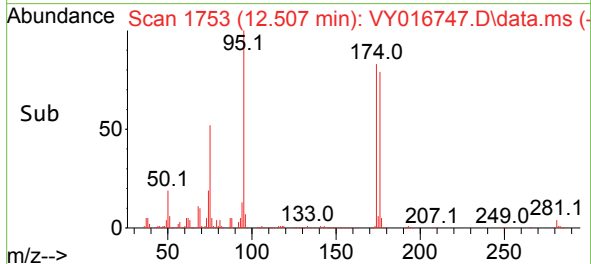
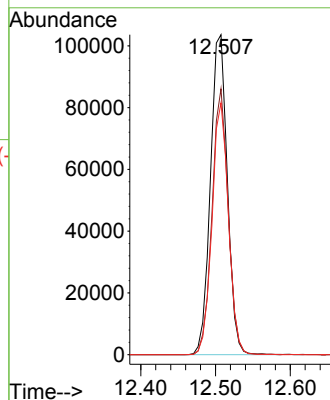
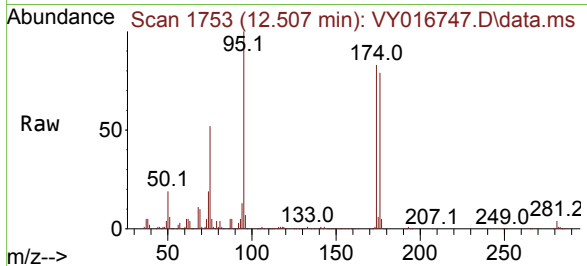




#62
4-Bromofluorobenzene
Concen: 71.603 ug/l
RT: 12.507 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY016747.D
Acq: 21 Dec 2023 07:54

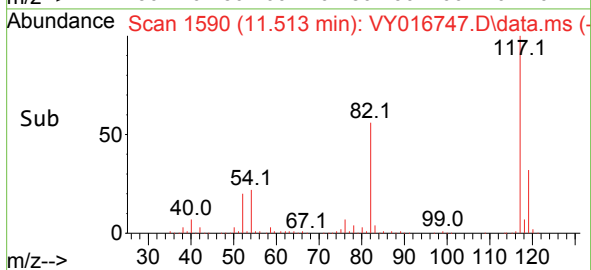
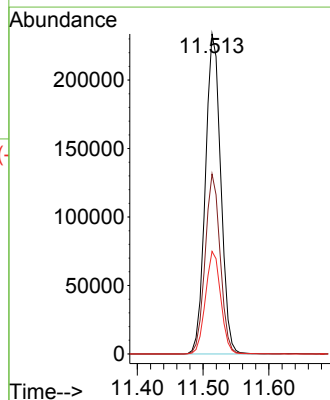
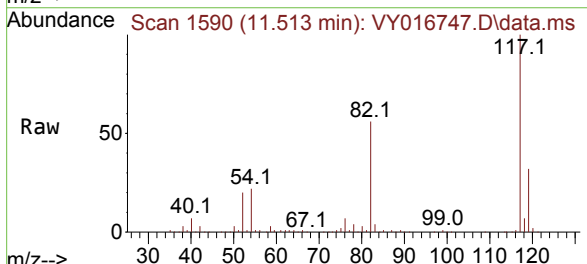
Instrument :
MSVOA_Y
ClientSampleId :

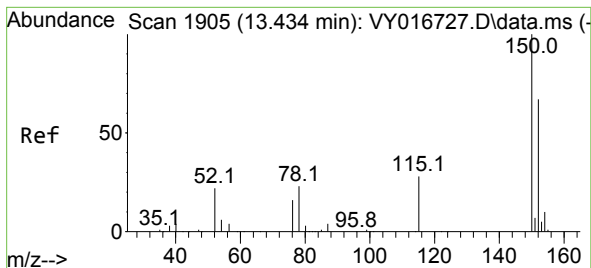
Tgt Ion: 95 Resp: 163039
Ion Ratio Lower Upper
95 100
174 79.7 0.0 160.0
176 76.6 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.513 min Scan# 1590
Delta R.T. 0.012 min
Lab File: VY016747.D
Acq: 21 Dec 2023 07:54

Tgt Ion: 117 Resp: 380735
Ion Ratio Lower Upper
117 100
82 56.3 43.8 65.8
119 32.0 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: VY016747.D

Acq: 21 Dec 2023 07:54

Instrument :

MSVOA_Y

ClientSampleId :

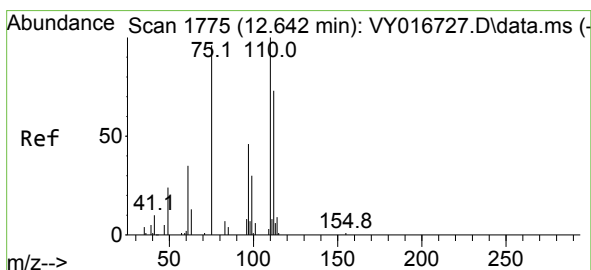
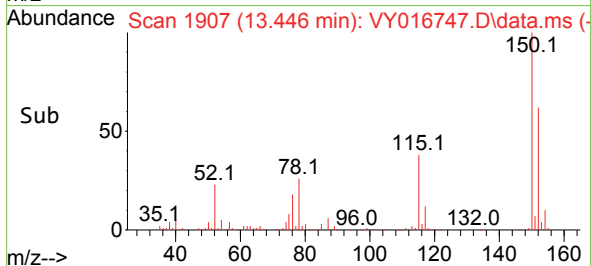
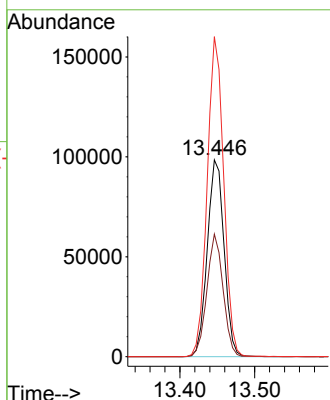
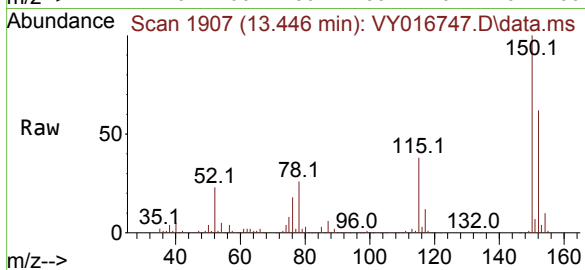
Tgt Ion:152 Resp: 153834

Ion Ratio Lower Upper

152 100

115 60.1 30.0 90.0

150 159.5 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 50.669 ug/l

RT: 12.501 min Scan# 1752

Delta R.T. -0.140 min

Lab File: VY016747.D

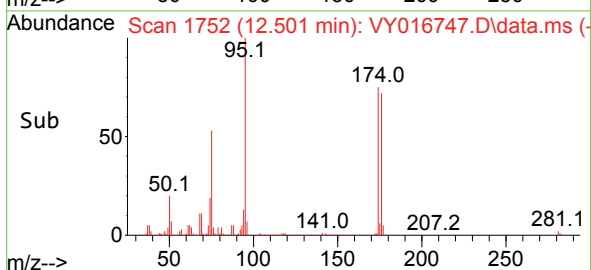
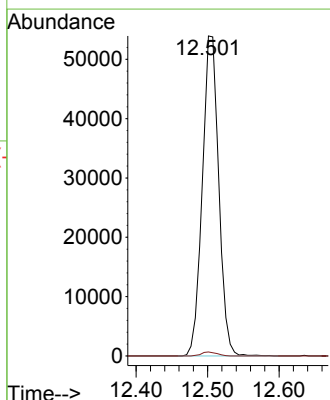
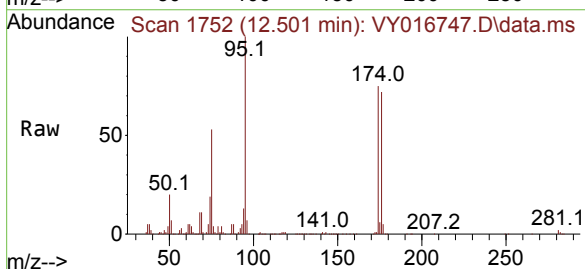
Acq: 21 Dec 2023 07:54

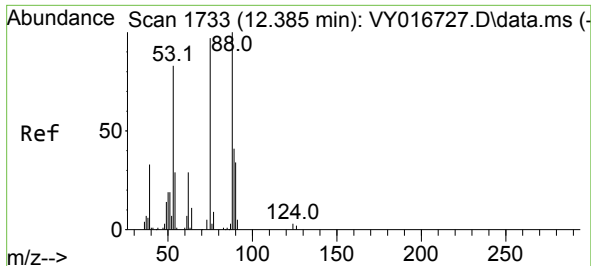
Tgt Ion: 75 Resp: 86166

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

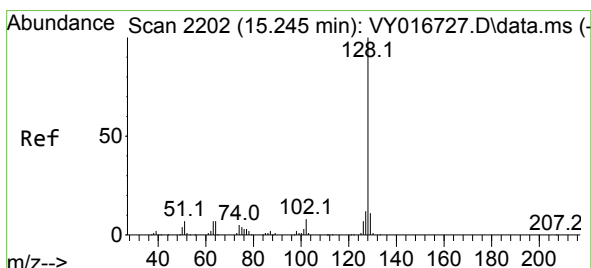
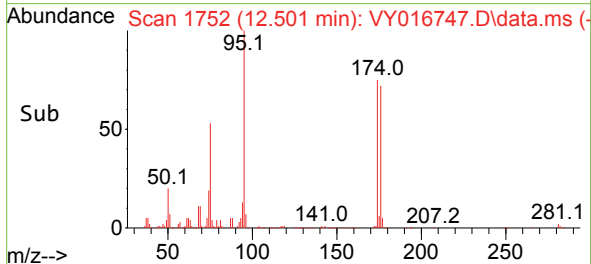
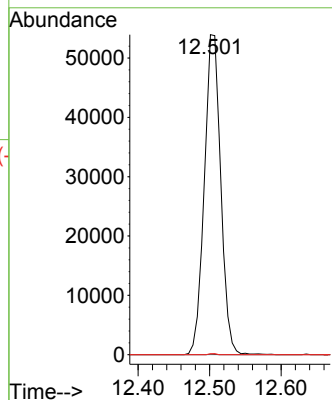
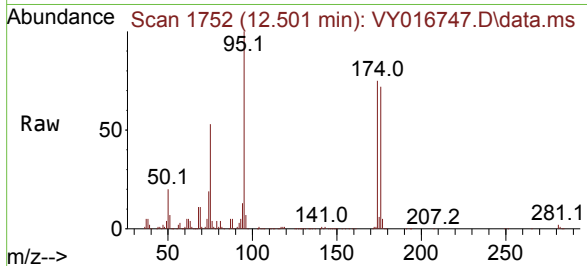




#81
trans-1,4-Dichloro-2-butene
Concen: 118.994 ug/l
RT: 12.501 min Scan# 11
Delta R.T. 0.116 min
Lab File: VY016747.D
Acq: 21 Dec 2023 07:54

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 86166
Ion Ratio Lower Upper
75 100
53 0.1 74.0 111.0#
89 0.1 36.5 54.7#



#95
Naphthalene
Concen: 3.630 ug/l
RT: 15.263 min Scan# 2205
Delta R.T. 0.018 min
Lab File: VY016747.D
Acq: 21 Dec 2023 07:54

Tgt Ion:128 Resp: 191
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 12.8#

