

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122023\
 Data File : VY016743.D
 Acq On : 21 Dec 2023 06:21
 Operator : SY/MD
 Sample : 05876-12
 Misc : 1.15g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 21 07:12:30 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)

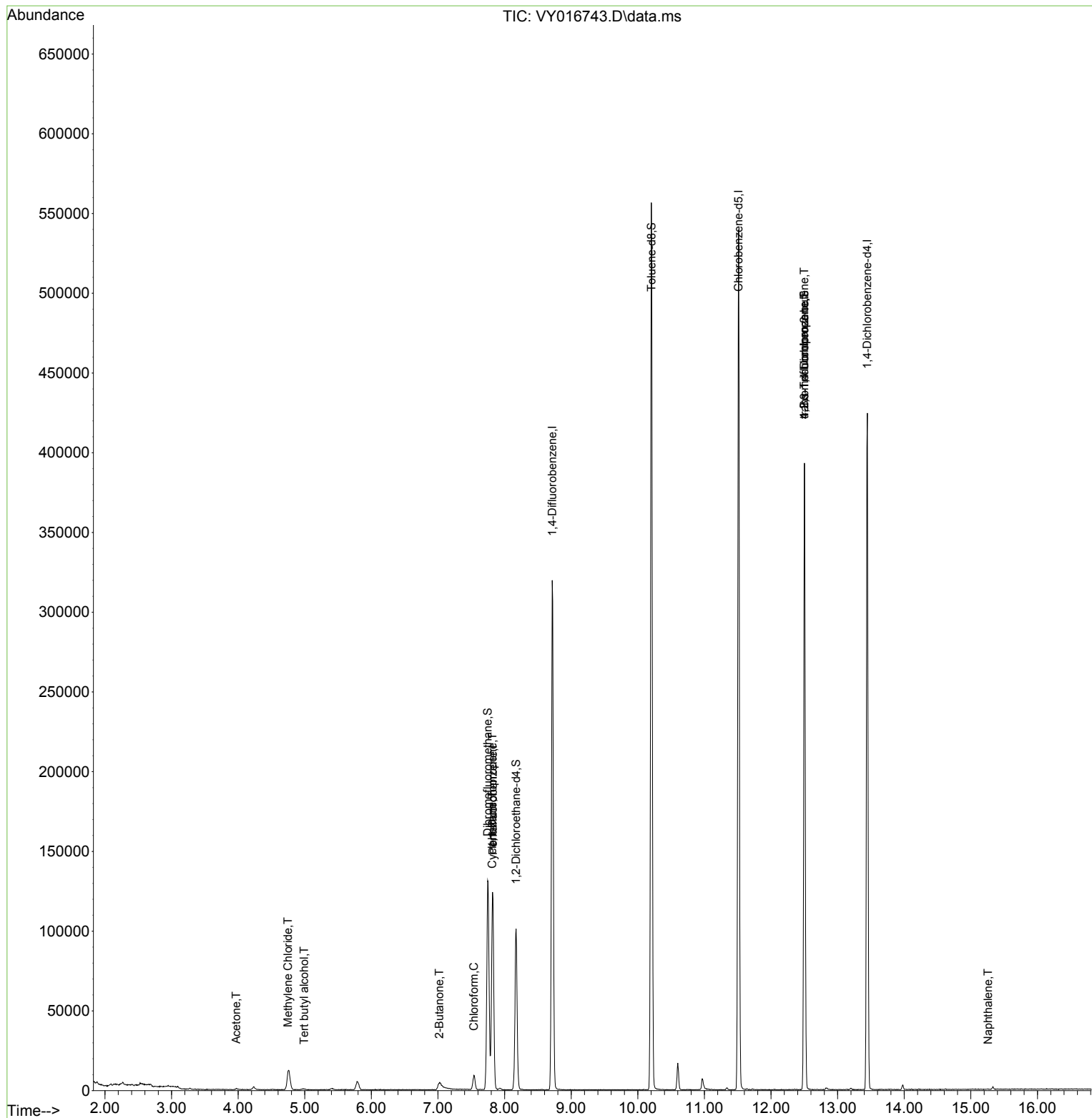
Internal Standards						
1) Pentafluorobenzene	7.826	168	94357	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.716	114	272212	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	292372	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.447	152	108712	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	76161	88.418	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	= 176.840%#	
35) Dibromofluoromethane	7.746	113	95825	61.454	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 122.900%	
50) Toluene-d8	10.203	98	356266	63.380	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 126.760%	
62) 4-Bromofluorobenzene	12.502	95	117949	64.677	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 129.360%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.991	59	403	5.706	ug/l #	75
16) Acetone	3.973	43	1212	5.203	ug/l	95
20) Methylene Chloride	4.747	84	9758	5.443	ug/l	89
25) 2-Butanone	7.021	43	473	1.475	ug/l	99
30) Chloroform	7.539	83	8642	4.553	ug/l	94
31) Cyclohexane	7.813	56	2170	1.315	ug/l #	16
36) 1,1-Dichloropropene	7.819	75	8588	3.435	ug/l #	49
76) 1,2,3-Trichloropropane	12.502	75	62055	51.637	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.502	75	62055	121.266	ug/l #	12
95) Naphthalene	15.257	128	342	3.684	ug/l #	69

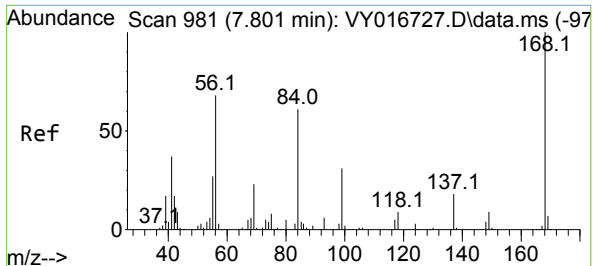
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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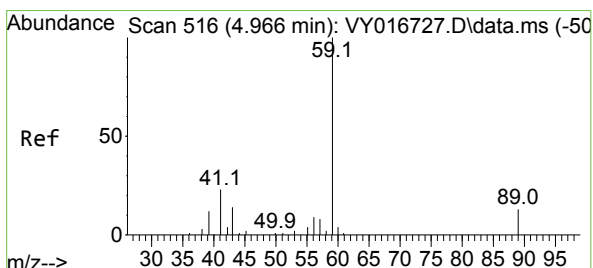
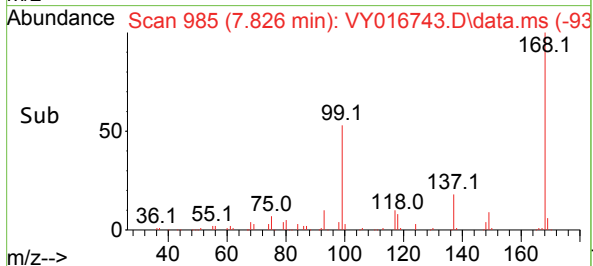
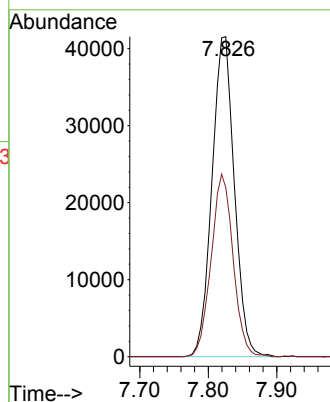
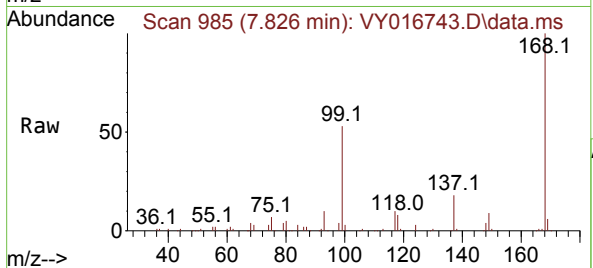




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.826 min Scan# 91
Delta R.T. 0.025 min
Lab File: VY016743.D
Acq: 21 Dec 2023 06:21

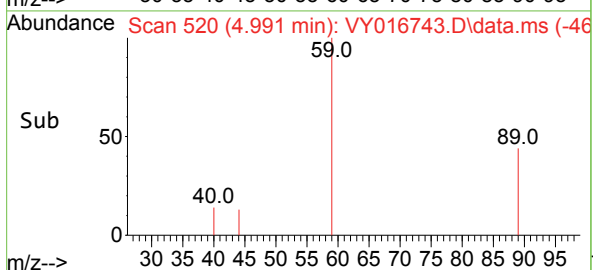
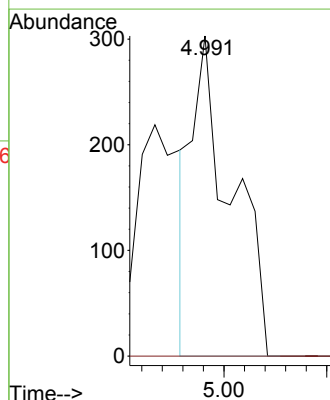
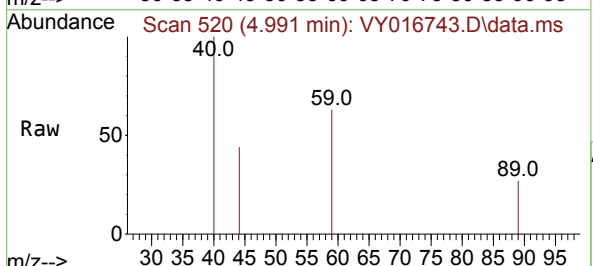
Instrument :
MSVOA_Y
ClientSampleId :

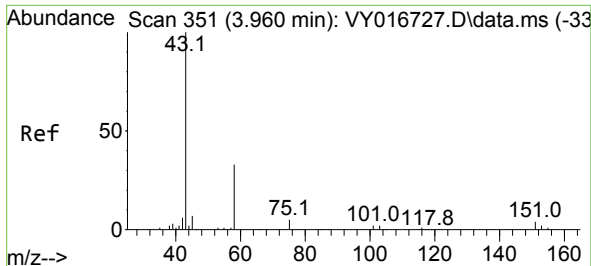
Tgt Ion:168 Resp: 94357
Ion Ratio Lower Upper
168 100
99 52.8 44.2 66.4



#11
Tert butyl alcohol
Concen: 5.706 ug/l
RT: 4.991 min Scan# 520
Delta R.T. 0.025 min
Lab File: VY016743.D
Acq: 21 Dec 2023 06:21

Tgt Ion: 59 Resp: 403
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

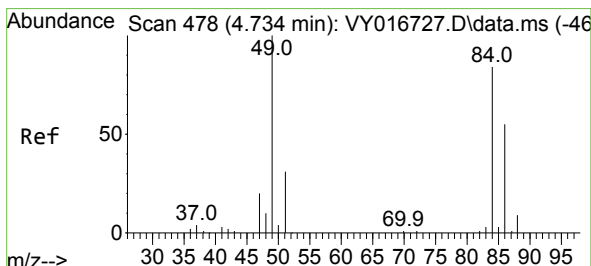
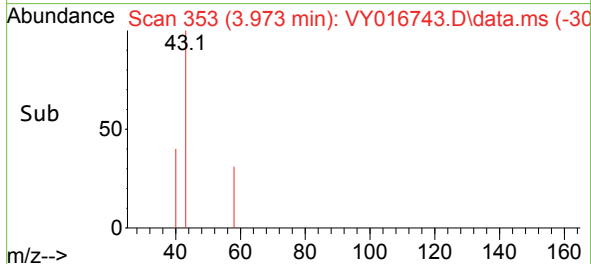
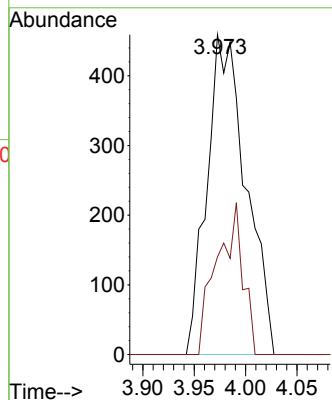
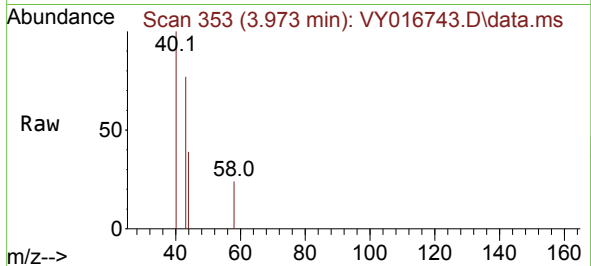




#16
Acetone
Concen: 5.203 ug/l
RT: 3.973 min Scan# 31
Delta R.T. 0.013 min
Lab File: VY016743.D
Acq: 21 Dec 2023 06:21

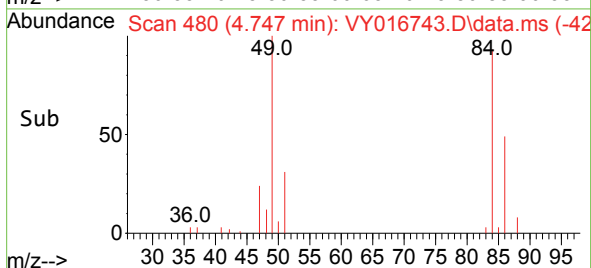
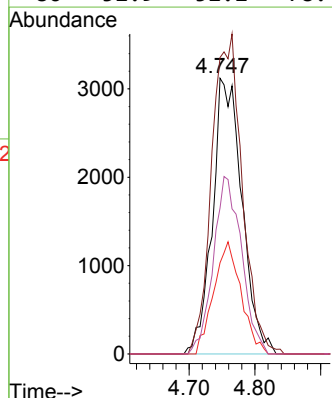
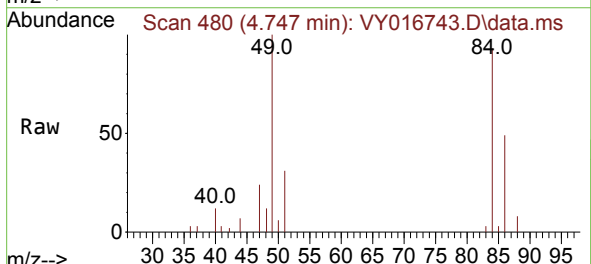
Instrument :
MSVOA_Y
ClientSampleId :

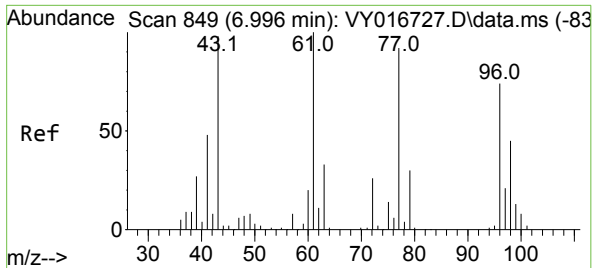
Tgt Ion: 43 Resp: 1212
Ion Ratio Lower Upper
43 100
58 30.5 26.6 39.8



#20
Methylene Chloride
Concen: 5.443 ug/l
RT: 4.747 min Scan# 480
Delta R.T. 0.013 min
Lab File: VY016743.D
Acq: 21 Dec 2023 06:21

Tgt Ion: 84 Resp: 9758
Ion Ratio Lower Upper
84 100
49 107.6 95.2 142.8
51 33.1 29.9 44.9
86 52.9 52.2 78.4





#25

2-Butanone

Concen: 1.475 ug/l

RT: 7.021 min Scan# 849

Delta R.T. 0.025 min

Lab File: VY016743.D

Acq: 21 Dec 2023 06:21

Instrument :

MSVOA_Y

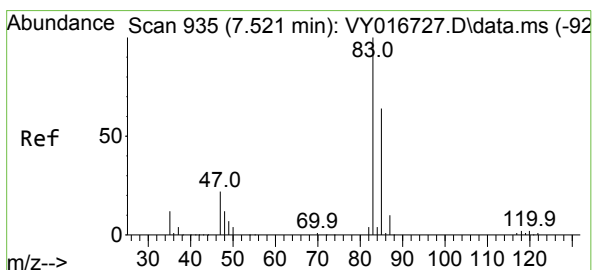
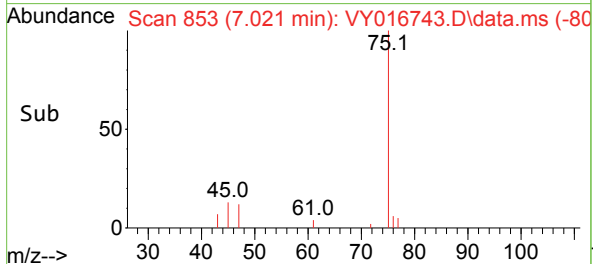
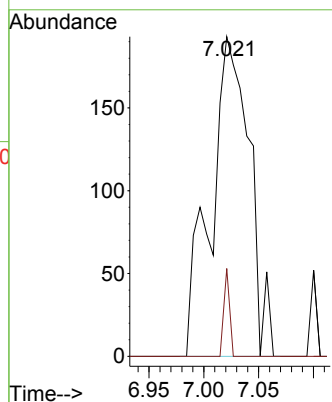
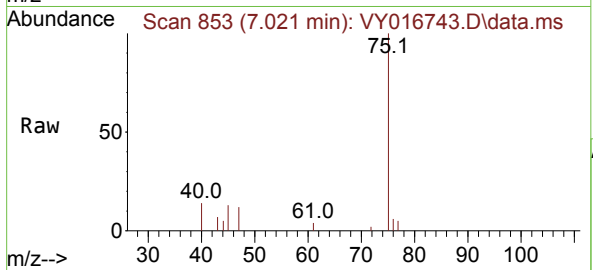
ClientSampleId :

Tgt Ion: 43 Resp: 473

Ion Ratio Lower Upper

43 100

72 27.5 21.4 32.2



#30

Chloroform

Concen: 4.553 ug/l

RT: 7.539 min Scan# 938

Delta R.T. 0.019 min

Lab File: VY016743.D

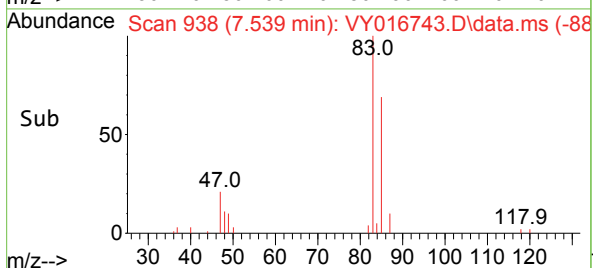
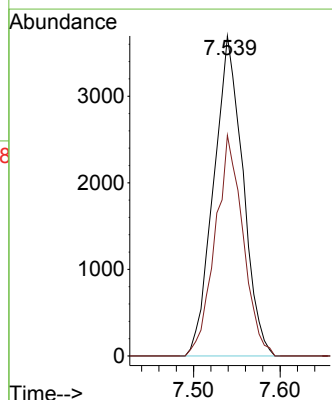
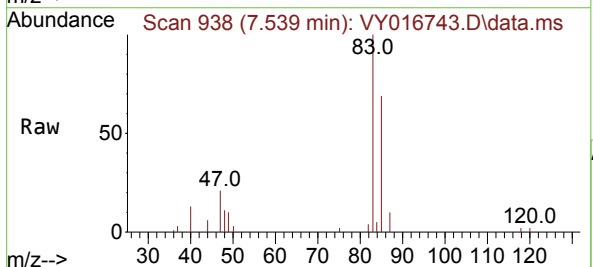
Acq: 21 Dec 2023 06:21

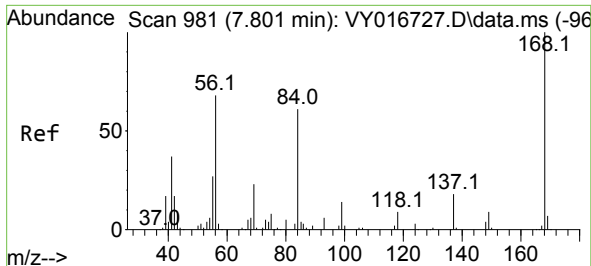
Tgt Ion: 83 Resp: 8642

Ion Ratio Lower Upper

83 100

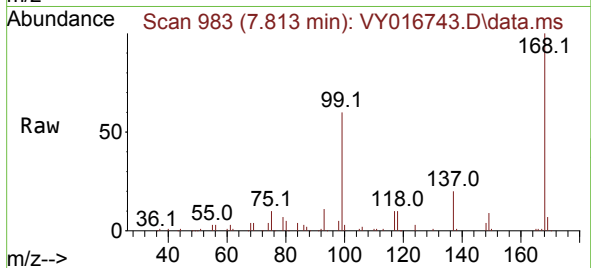
85 69.0 51.2 76.8



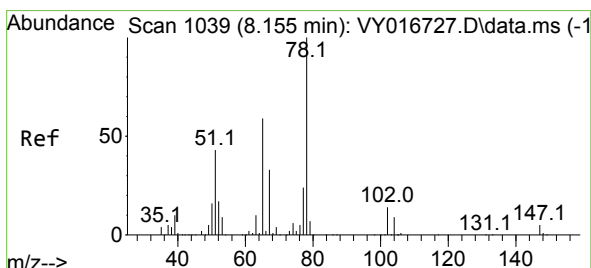
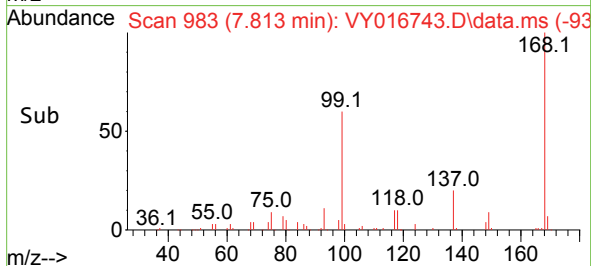
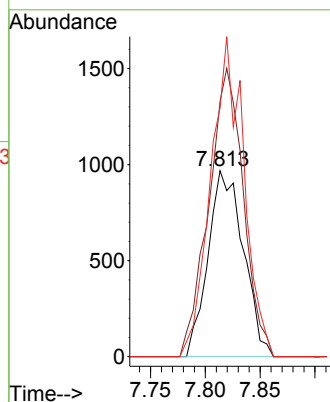


#31
Cyclohexane
Concen: 1.315 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016743.D
Acq: 21 Dec 2023 06:21

Instrument :
MSVOA_Y
ClientSampleId :

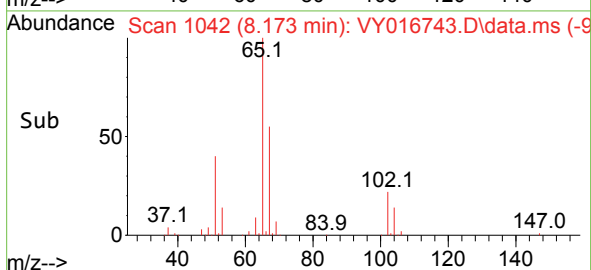
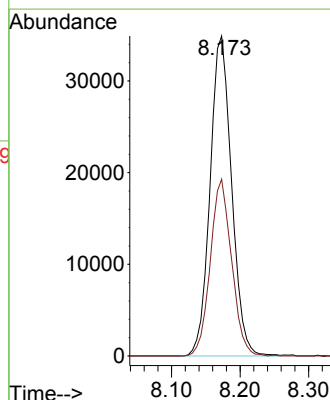
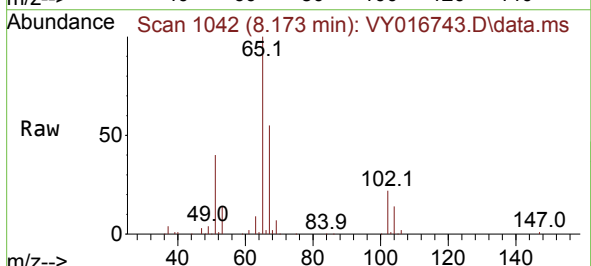


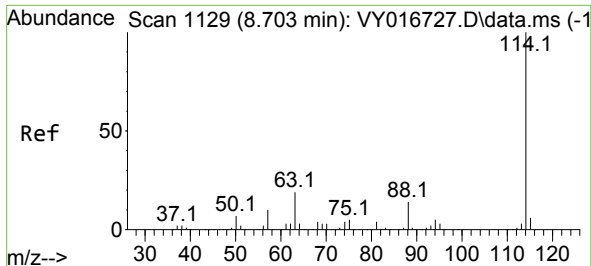
Tgt Ion: 56 Resp: 2170
Ion Ratio Lower Upper
56 100
69 137.3 27.0 40.6#
84 133.7 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 88.418 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.019 min
Lab File: VY016743.D
Acq: 21 Dec 2023 06:21

Tgt Ion: 65 Resp: 76161
Ion Ratio Lower Upper
65 100
67 54.6 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.716 min Scan# 1129

Delta R.T. 0.013 min

Lab File: VY016743.D

Acq: 21 Dec 2023 06:21

Instrument :

MSVOA_Y

ClientSampleId :

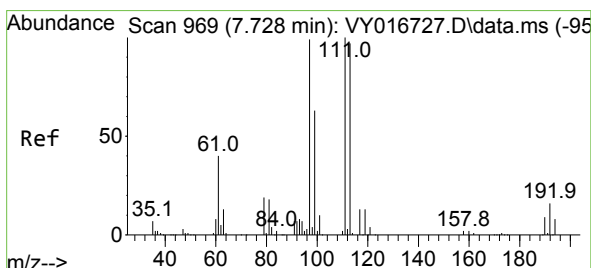
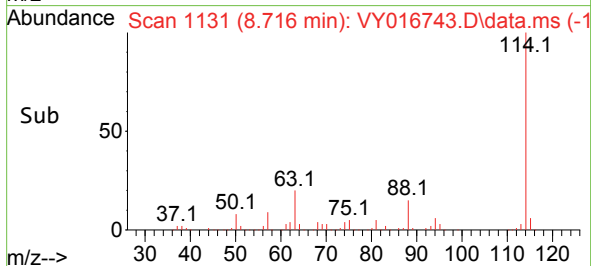
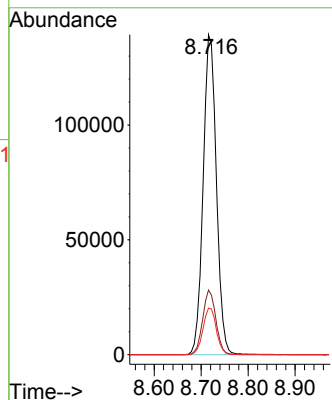
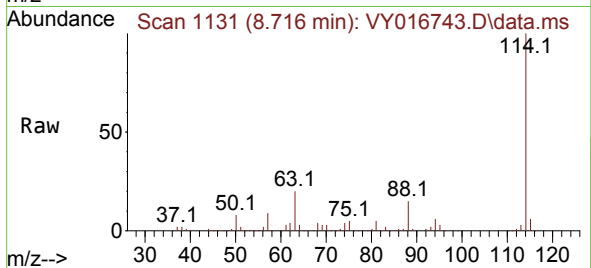
Tgt Ion:114 Resp: 272212

Ion Ratio Lower Upper

114 100

63 20.2 0.0 37.4

88 14.6 0.0 29.0



#35

Dibromofluoromethane

Concen: 61.454 ug/l

RT: 7.746 min Scan# 972

Delta R.T. 0.019 min

Lab File: VY016743.D

Acq: 21 Dec 2023 06:21

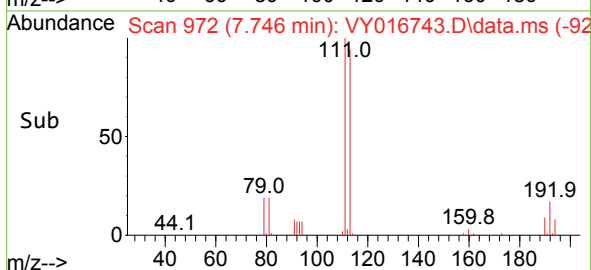
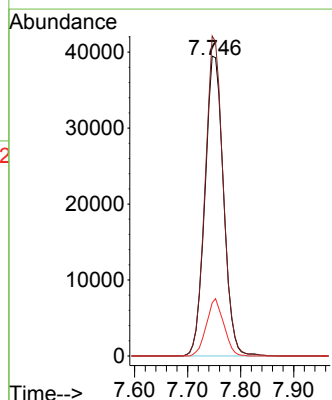
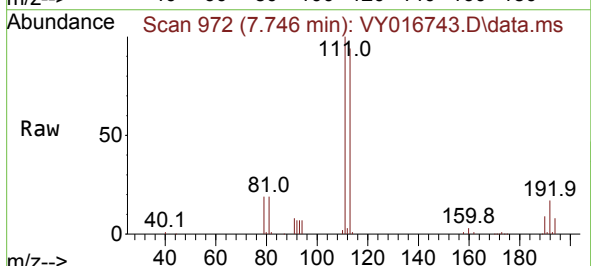
Tgt Ion:113 Resp: 95825

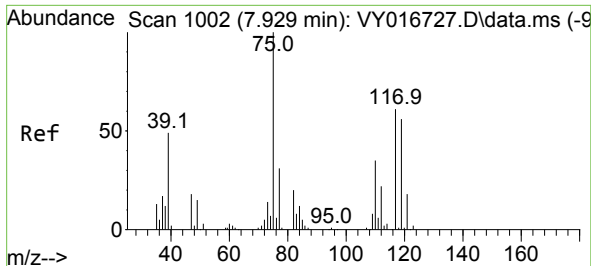
Ion Ratio Lower Upper

113 100

111 103.5 83.8 125.6

192 17.9 14.5 21.7





#36

1,1-Dichloropropene

Concen: 3.435 ug/l

RT: 7.819 min Scan# 91

Delta R.T. -0.109 min

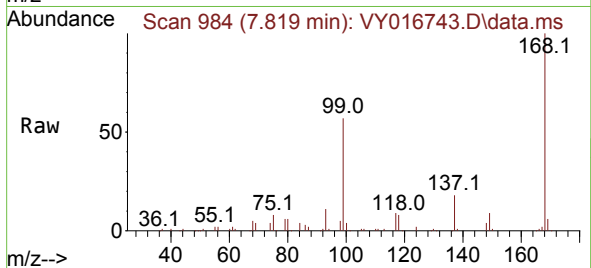
Lab File: VY016743.D

Acq: 21 Dec 2023 06:21

Instrument :

MSVOA_Y

ClientSampleId :



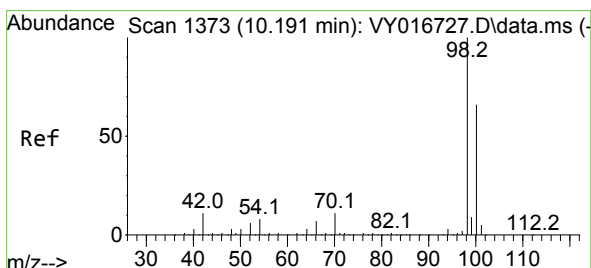
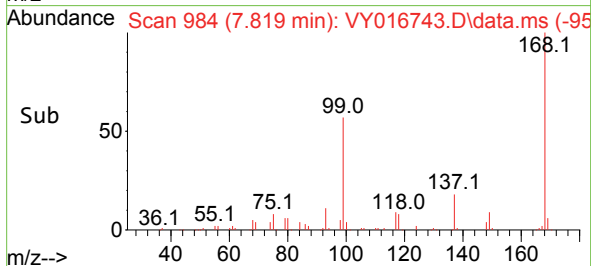
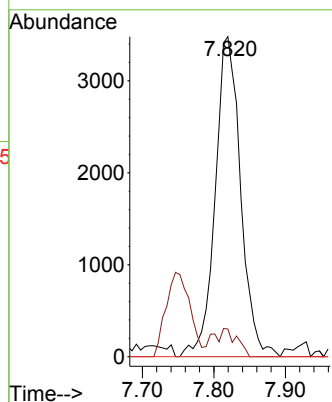
Tgt Ion: 75 Resp: 8588

Ion Ratio Lower Upper

75 100

110 8.5 17.4 52.3#

77 0.0 24.7 37.1#



#50

Toluene-d8

Concen: 63.380 ug/l

RT: 10.203 min Scan# 1375

Delta R.T. 0.012 min

Lab File: VY016743.D

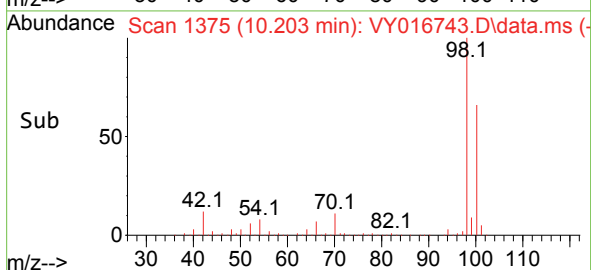
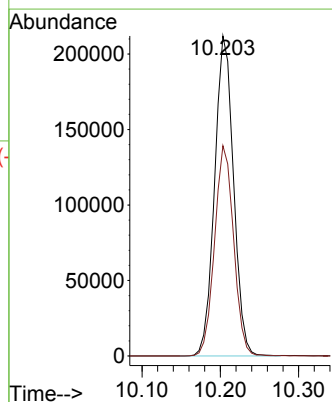
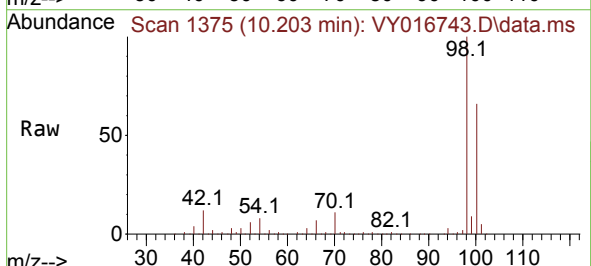
Acq: 21 Dec 2023 06:21

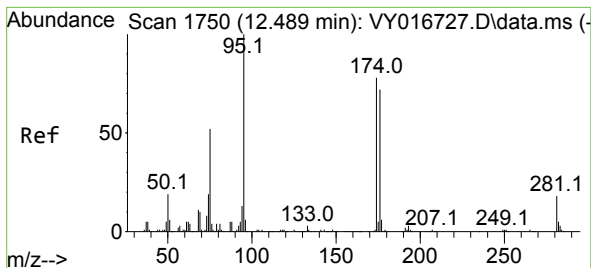
Tgt Ion: 98 Resp: 356266

Ion Ratio Lower Upper

98 100

100 66.0 52.3 78.5

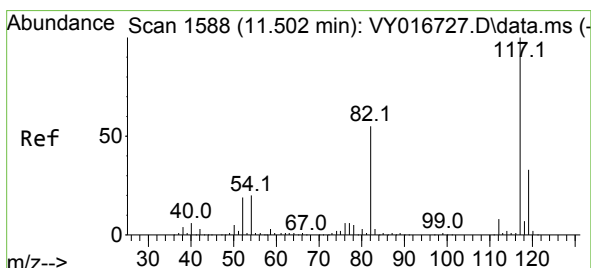
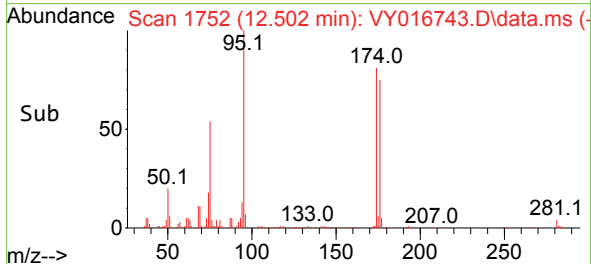
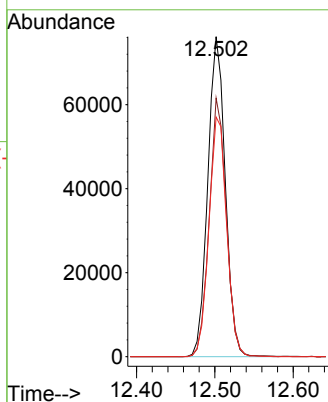
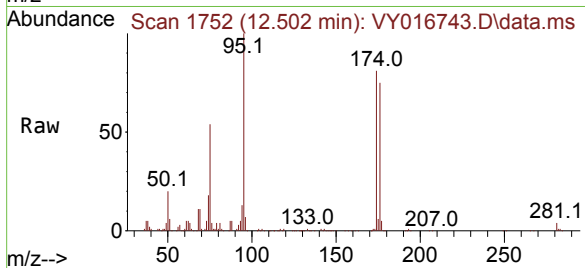




#62
4-Bromofluorobenzene
Concen: 64.677 ug/l
RT: 12.502 min Scan# 117949
Delta R.T. 0.012 min
Lab File: VY016743.D
Acq: 21 Dec 2023 06:21

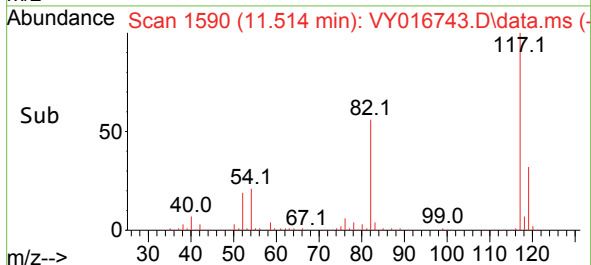
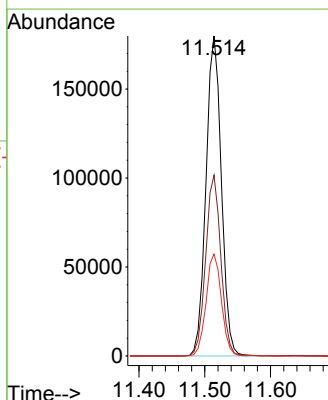
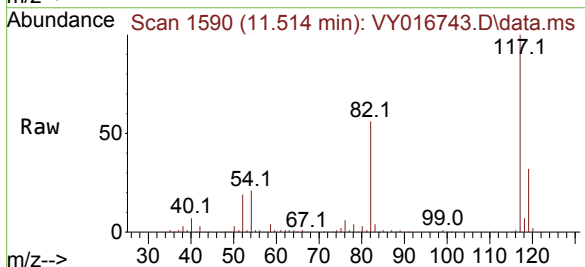
Instrument :
MSVOA_Y
ClientSampleId :

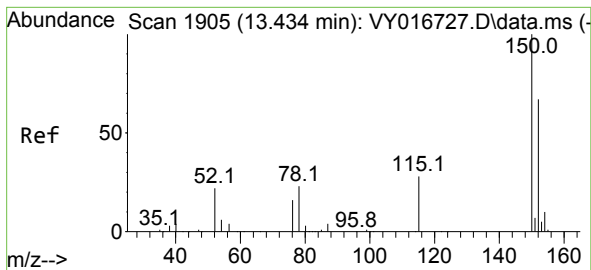
Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.2	0.0	160.0
176	76.0	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.514 min Scan# 1590
Delta R.T. 0.012 min
Lab File: VY016743.D
Acq: 21 Dec 2023 06:21

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.5	43.8	65.8
119	31.8	26.5	39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.447 min Scan# 1905

Delta R.T. 0.012 min

Lab File: VY016743.D

Acq: 21 Dec 2023 06:21

Instrument :

MSVOA_Y

ClientSampleId :

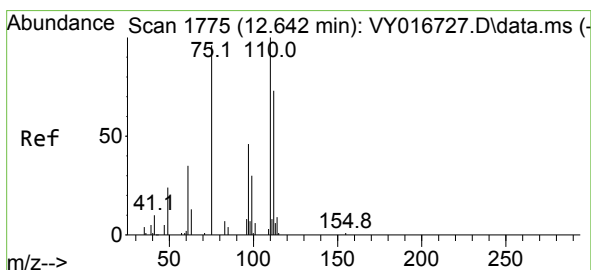
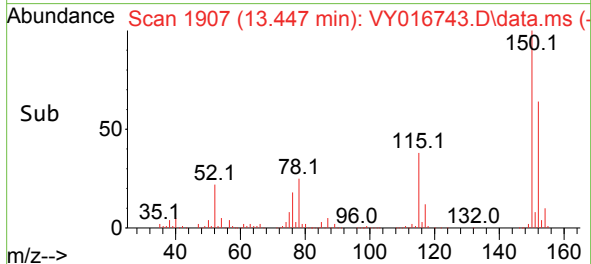
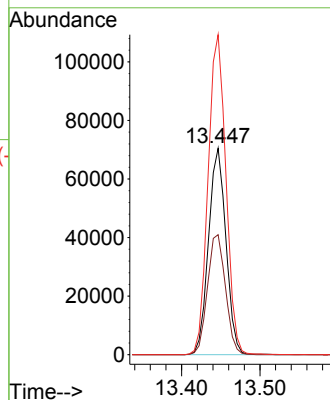
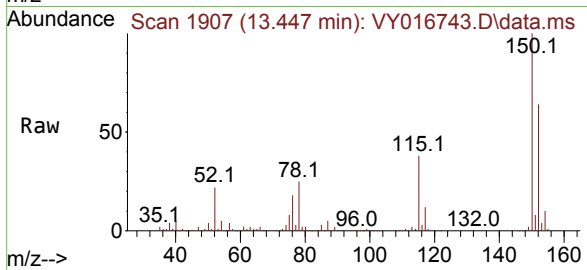
Tgt Ion:152 Resp: 108712

Ion Ratio Lower Upper

152 100

115 60.2 30.0 90.0

150 158.7 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 51.637 ug/l

RT: 12.502 min Scan# 1752

Delta R.T. -0.140 min

Lab File: VY016743.D

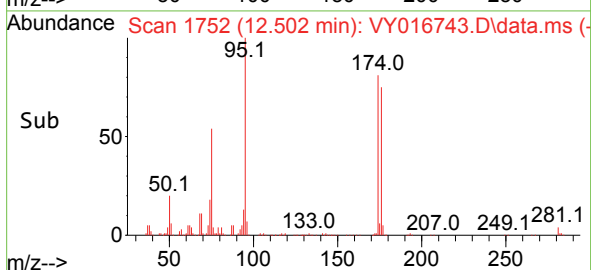
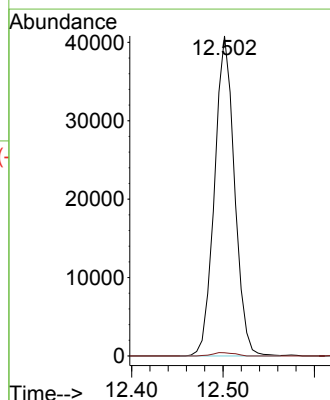
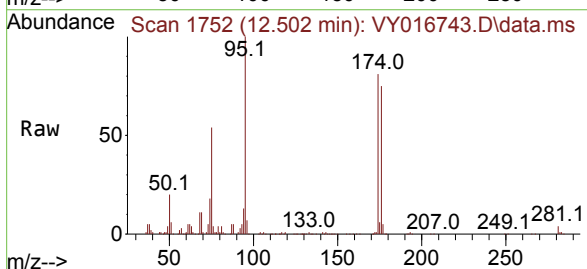
Acq: 21 Dec 2023 06:21

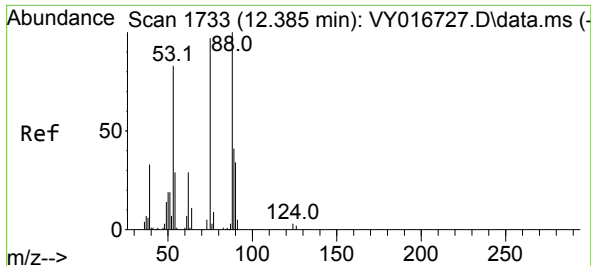
Tgt Ion: 75 Resp: 62055

Ion Ratio Lower Upper

75 100

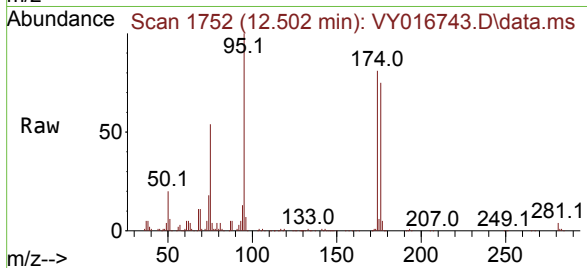
77 1.2 0.0 0.0#



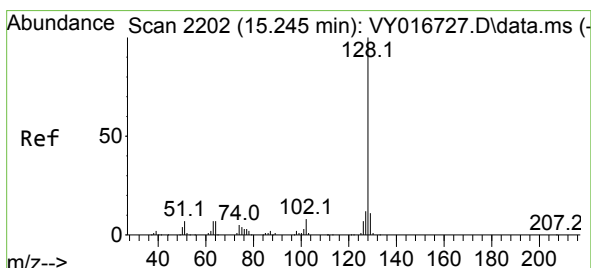
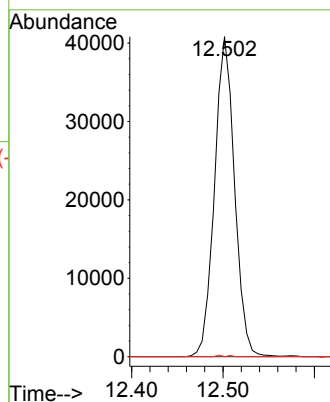
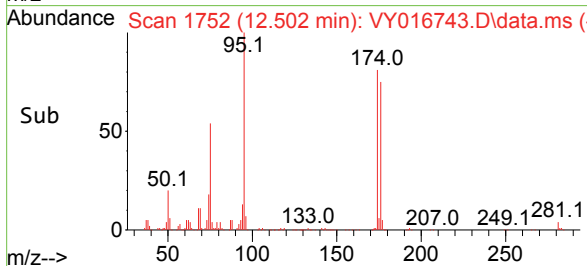


#81
trans-1,4-Dichloro-2-butene
Concen: 121.266 ug/l
RT: 12.502 min Scan# 11
Delta R.T. 0.116 min
Lab File: VY016743.D
Acq: 21 Dec 2023 06:21

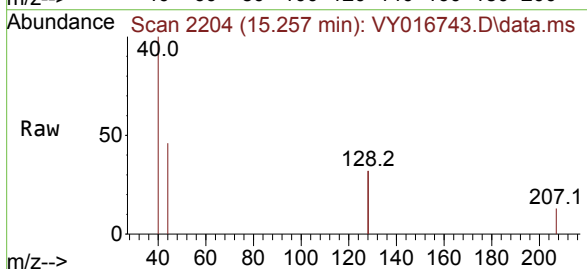
Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 62055
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.2 36.5 54.7#



#95
Naphthalene
Concen: 3.684 ug/l
RT: 15.257 min Scan# 2204
Delta R.T. 0.012 min
Lab File: VY016743.D
Acq: 21 Dec 2023 06:21



Tgt Ion: 128 Resp: 342
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 12.8#

