

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032624\
 Data File : VY017766.D
 Acq On : 26 Mar 2024 13:36
 Operator : SY/MD
 Sample : P1864-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ229-72-11976

Quant Time: Mar 27 01:29:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032224S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 04:03:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	123544	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	8.691	114	230383	50.000	ug/l	-0.02
63) Chlorobenzene-d5	11.496	117	201333	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	68752	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	70790	65.772	ug/l	-0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	131.540%
35) Dibromofluoromethane	7.722	113	77798	56.493	ug/l	-0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.980%
50) Toluene-d8	10.185	98	264798	50.241	ug/l	-0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.480%
62) 4-Bromofluorobenzene	12.483	95	68223	43.107	ug/l	-0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.220%

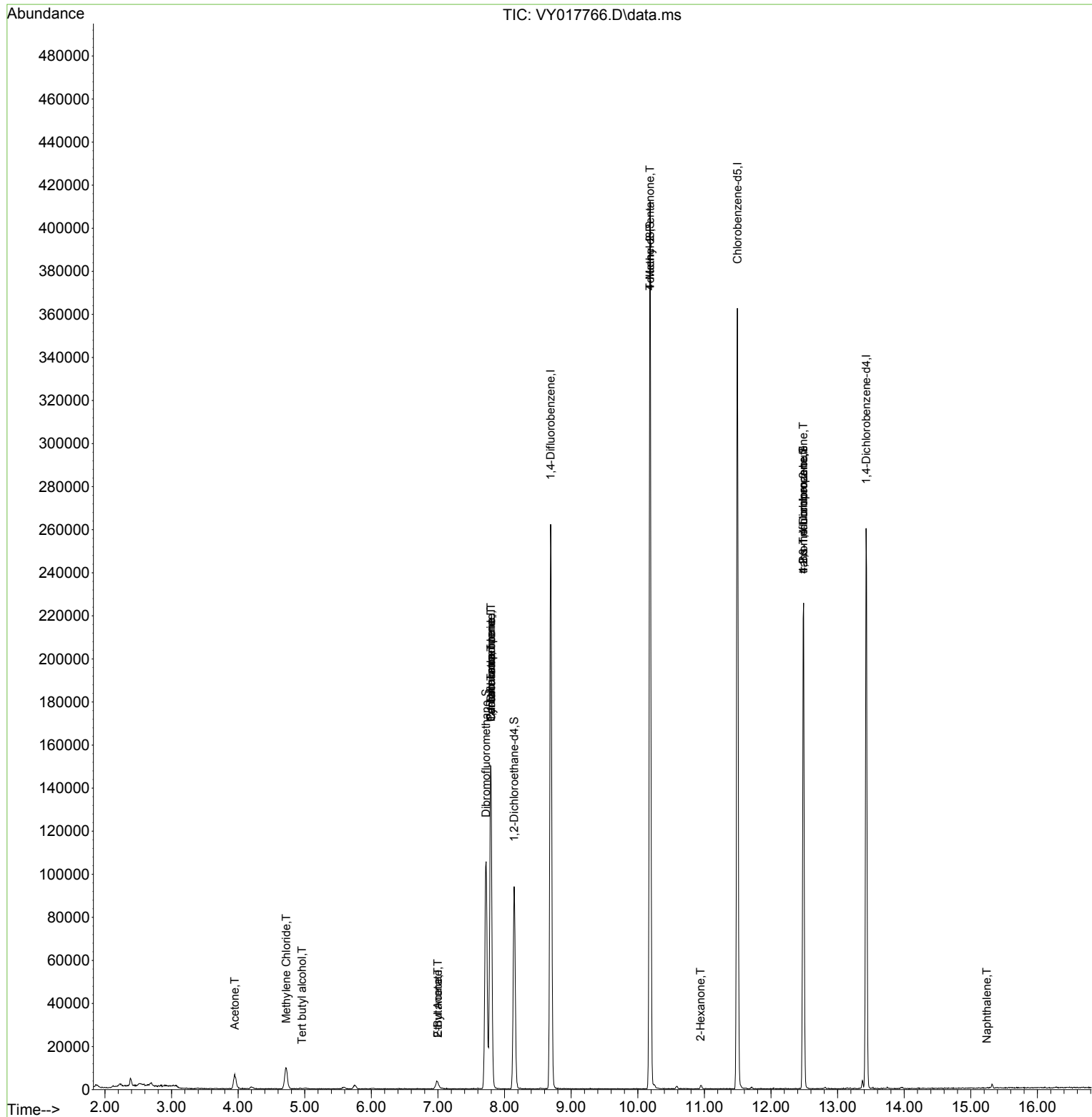
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.960	59	76	1.062	ug/l #	88
16) Acetone	3.948	43	11706	62.182	ug/l	88
20) Methylene Chloride	4.723	84	7515	5.489	ug/l	92
25) 2-Butanone	6.996	43	3195	17.642	ug/l #	84
31) Cyclohexane	7.795	56	2602	1.222	ug/l #	29
36) 1,1-Dichloropropene	7.795	75	9042	4.250	ug/l #	47
37) Ethyl Acetate	6.996	43	3195	3.908	ug/l #	70
38) Carbon Tetrachloride	7.795	117	11893	5.339	ug/l #	15
51) 4-Methyl-2-Pentanone	10.185	43	1126	6.906	ug/l #	1
59) 2-Hexanone	10.941	43	19	9.514	ug/l #	19
76) 1,2,3-Trichloropropane	12.483	75	35246	55.516	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	35246	128.280	ug/l #	16
95) Naphthalene	15.239	128	350	2.795	ug/l #	69

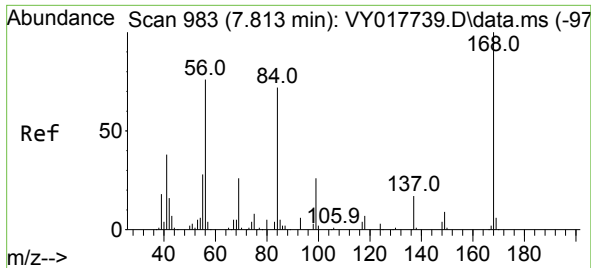
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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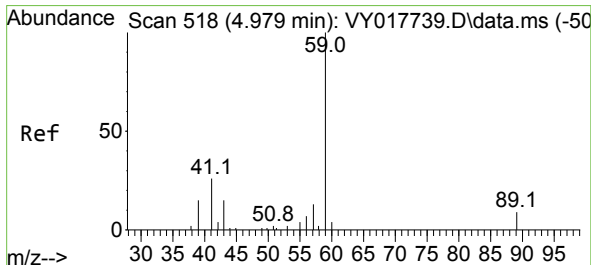
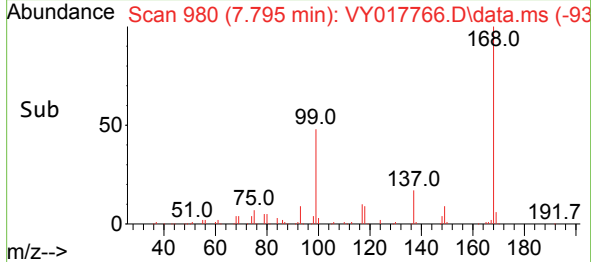
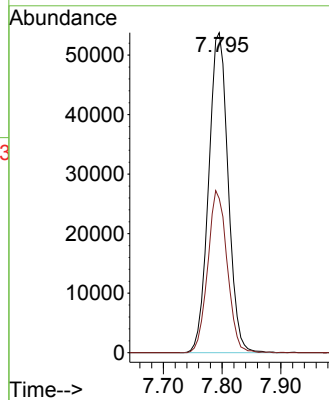
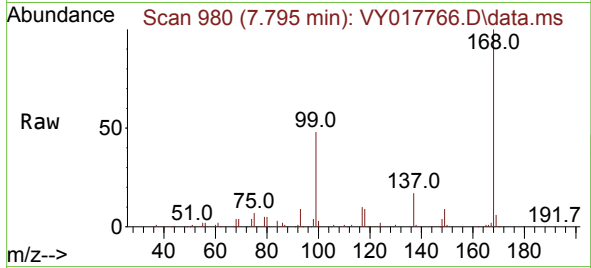




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.018 min
Lab File: VY017766.D
Acq: 26 Mar 2024 13:36

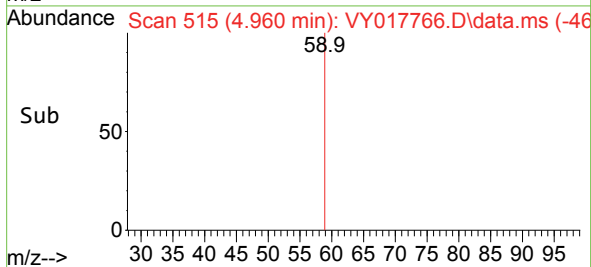
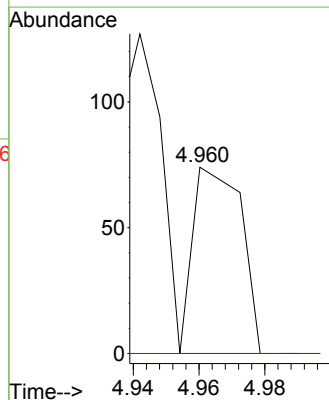
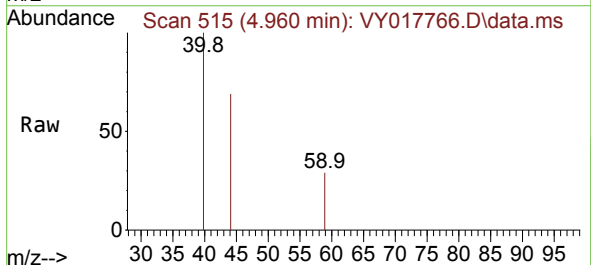
Instrument :
MSVOA_Y
ClientSampleId :
VNJ229-72-11976

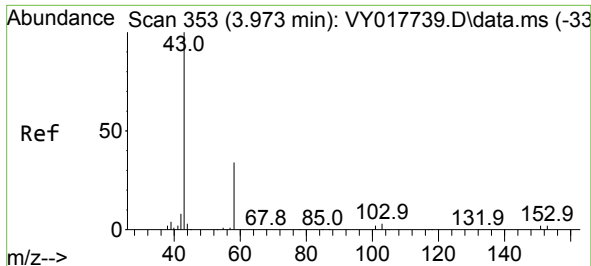
Tgt Ion:168 Resp: 123544
Ion Ratio Lower Upper
168 100
99 48.1 39.1 58.7



#11
Tert butyl alcohol
Concen: 1.062 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.018 min
Lab File: VY017766.D
Acq: 26 Mar 2024 13:36

Tgt Ion: 59 Resp: 76
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

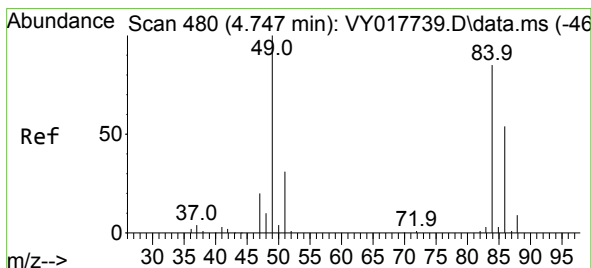
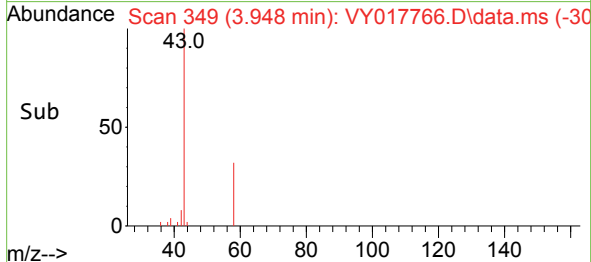
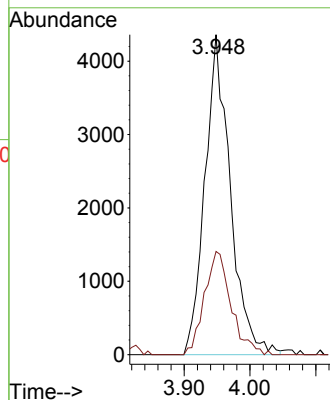
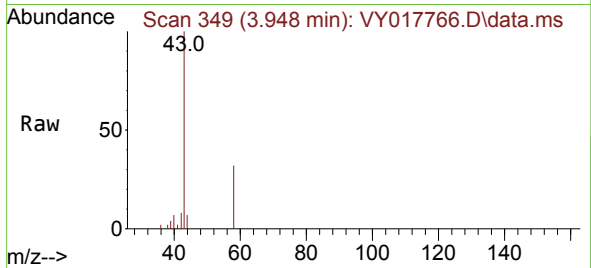




#16
Acetone
Concen: 62.182 ug/l
RT: 3.948 min Scan# 34
Delta R.T. -0.024 min
Lab File: VY017766.D
Acq: 26 Mar 2024 13:36

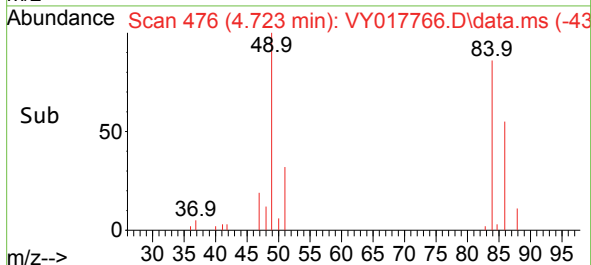
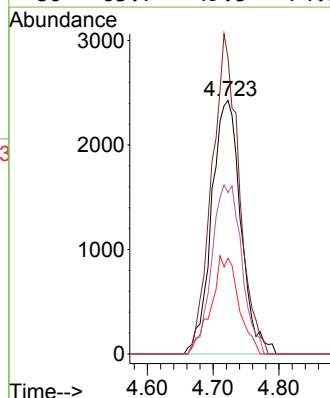
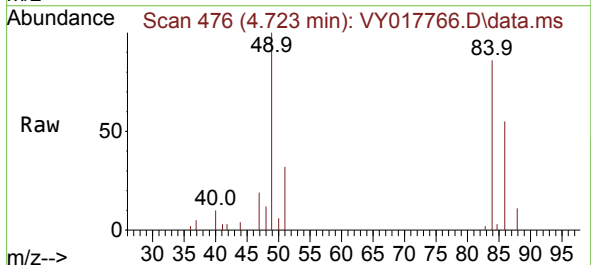
Instrument :
MSVOA_Y
ClientSampleId :
VNJ229-72-11976

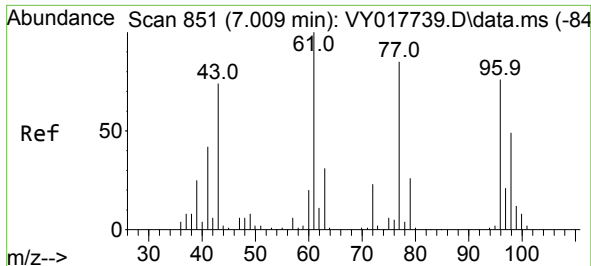
Tgt Ion: 43 Resp: 11706
Ion Ratio Lower Upper
43 100
58 32.2 31.7 47.5



#20
Methylene Chloride
Concen: 5.489 ug/l
RT: 4.723 min Scan# 476
Delta R.T. -0.024 min
Lab File: VY017766.D
Acq: 26 Mar 2024 13:36

Tgt Ion: 84 Resp: 7515
Ion Ratio Lower Upper
84 100
49 116.7 84.4 126.6
51 37.7 26.0 39.0
86 63.7 49.5 74.3

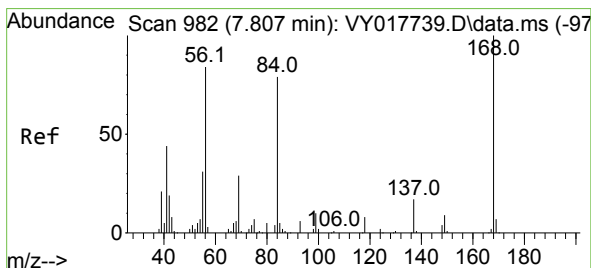
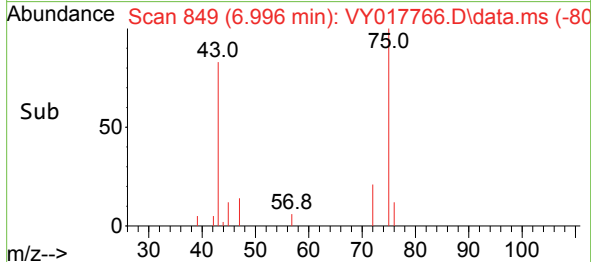
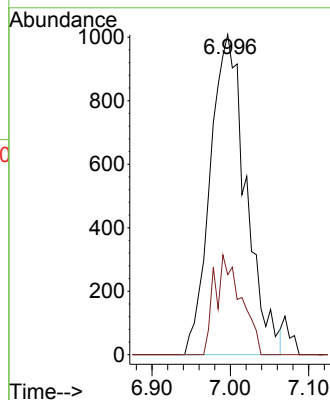
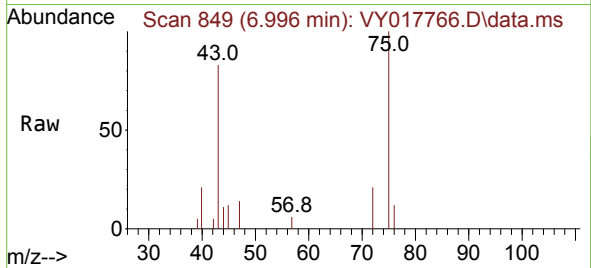




#25
2-Butanone
Concen: 17.642 ug/l
RT: 6.996 min Scan# 84
Delta R.T. -0.013 min
Lab File: VY017766.D
Acq: 26 Mar 2024 13:36

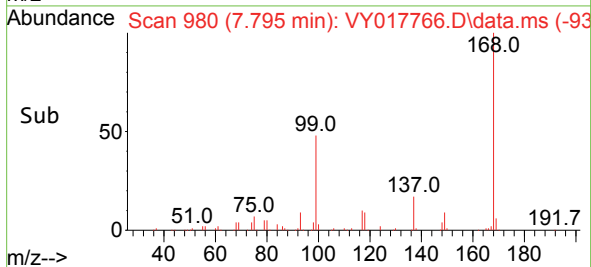
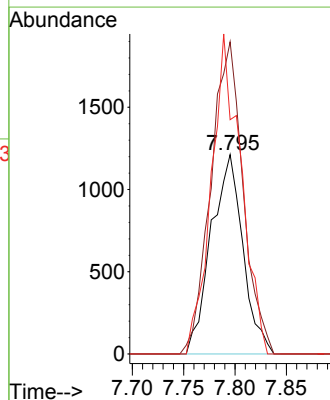
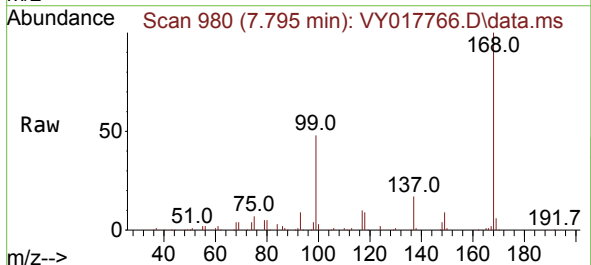
Instrument :
MSVOA_Y
ClientSampleId :
VNJ229-72-11976

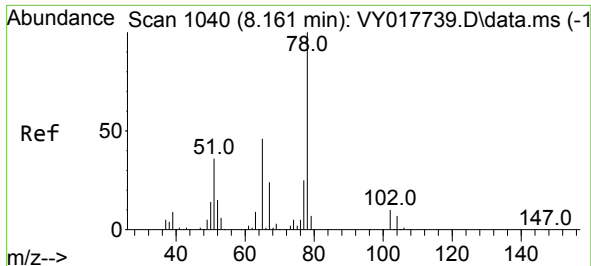
Tgt Ion: 43 Resp: 3195
Ion Ratio Lower Upper
43 100
72 25.0 27.3 40.9#



#31
Cyclohexane
Concen: 1.222 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.012 min
Lab File: VY017766.D
Acq: 26 Mar 2024 13:36

Tgt Ion: 56 Resp: 2602
Ion Ratio Lower Upper
56 100
69 156.5 28.7 43.1#
84 117.5 77.7 116.5#

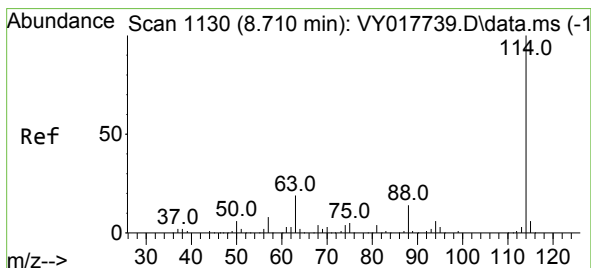
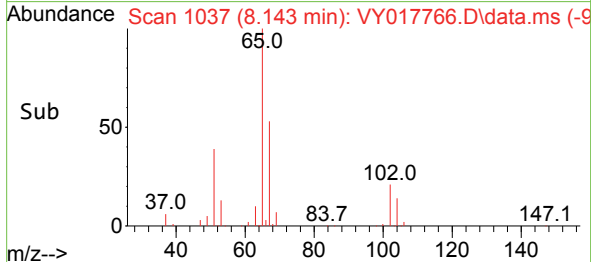
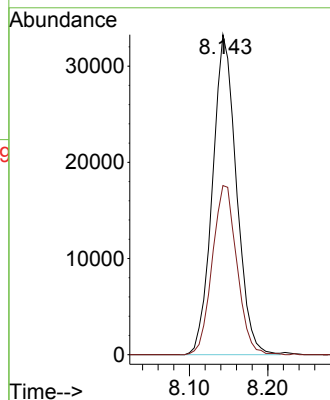
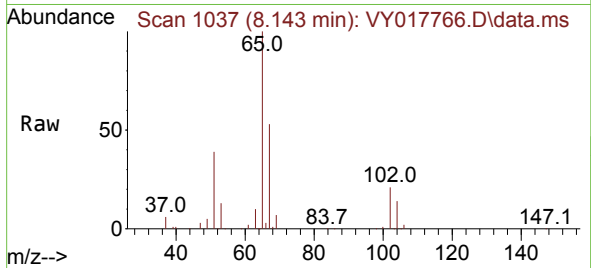




#33
1,2-Dichloroethane-d4
Concen: 65.772 ug/l
RT: 8.143 min Scan# 1107
Delta R.T. -0.018 min
Lab File: VY017766.D
Acq: 26 Mar 2024 13:36

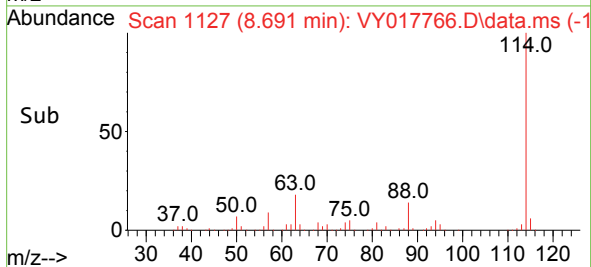
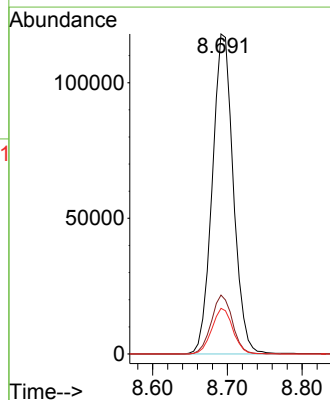
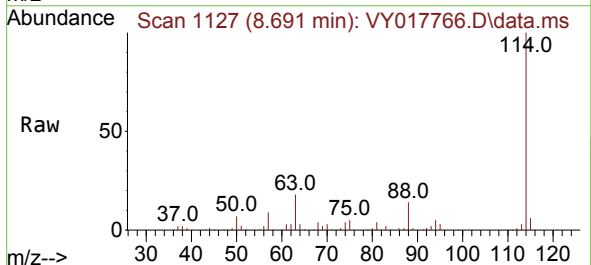
Instrument :
MSVOA_Y
ClientSampleId :
VNJ229-72-11976

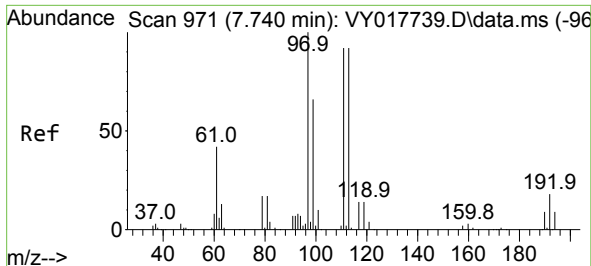
Tgt Ion: 65 Resp: 70790
Ion Ratio Lower Upper
65 100
67 54.3 0.0 109.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.018 min
Lab File: VY017766.D
Acq: 26 Mar 2024 13:36

Tgt Ion:114 Resp: 230383
Ion Ratio Lower Upper
114 100
63 18.4 0.0 35.0
88 14.3 0.0 27.2





#35

Dibromofluoromethane

Concen: 56.493 ug/l

RT: 7.722 min Scan# 9

Delta R.T. -0.018 min

Lab File: VY017766.D

Acq: 26 Mar 2024 13:36

Instrument :

MSVOA_Y

ClientSampleId :

VNJ229-72-11976

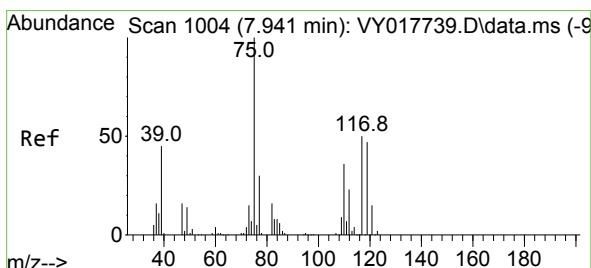
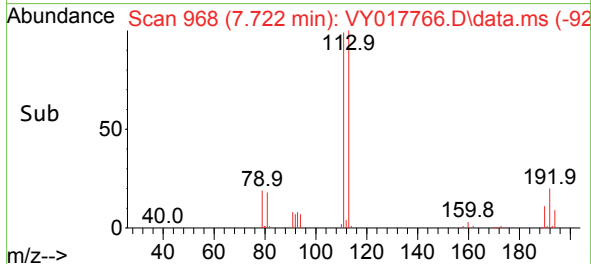
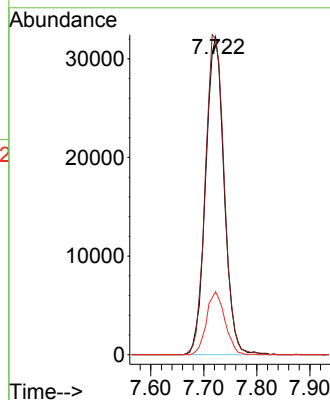
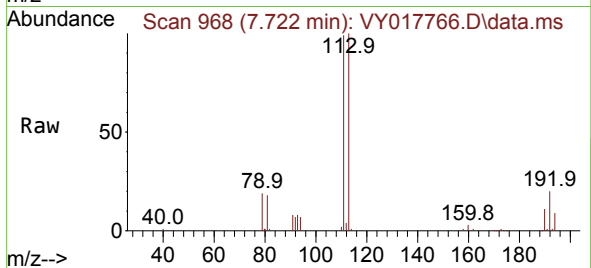
Tgt Ion:113 Resp: 77798

Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.4

192 19.8 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.250 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.146 min

Lab File: VY017766.D

Acq: 26 Mar 2024 13:36

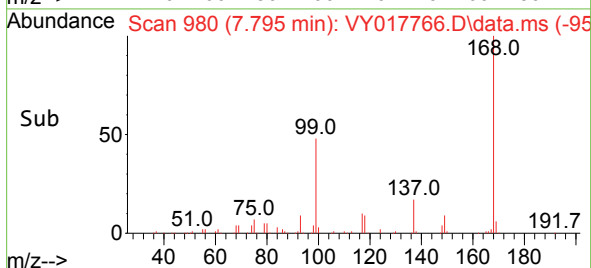
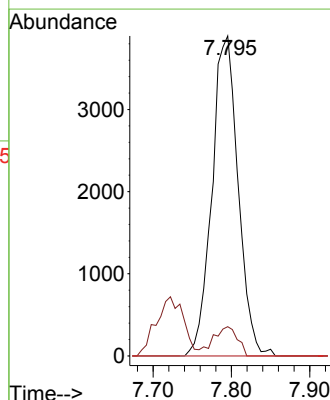
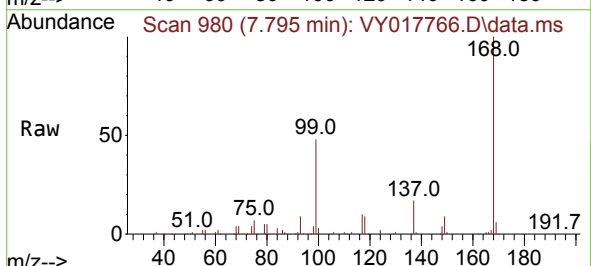
Tgt Ion: 75 Resp: 9042

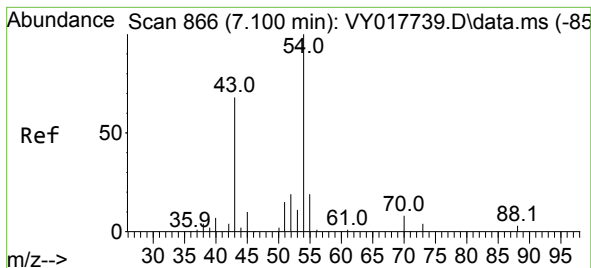
Ion Ratio Lower Upper

75 100

110 8.4 19.0 57.0#

77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 3.908 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.104 min

Lab File: VY017766.D

Acq: 26 Mar 2024 13:36

Instrument :

MSVOA_Y

ClientSampleId :

VNJ229-72-11976

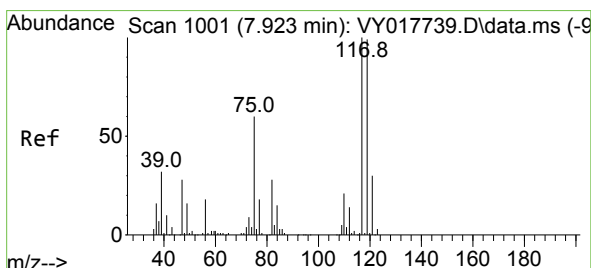
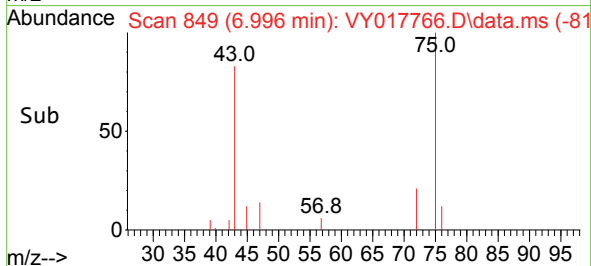
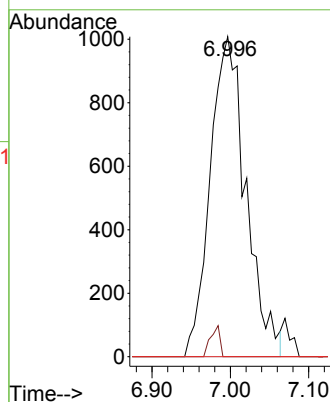
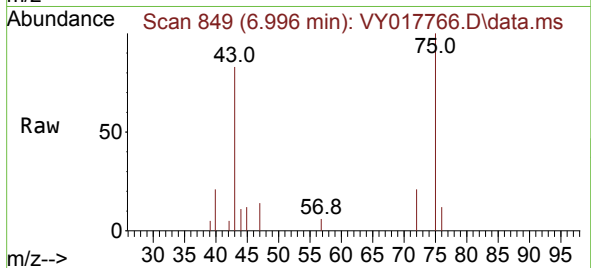
Tgt Ion: 43 Resp: 3195

Ion Ratio Lower Upper

43 100

61 2.5 12.6 19.0#

70 0.0 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 5.339 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.128 min

Lab File: VY017766.D

Acq: 26 Mar 2024 13:36

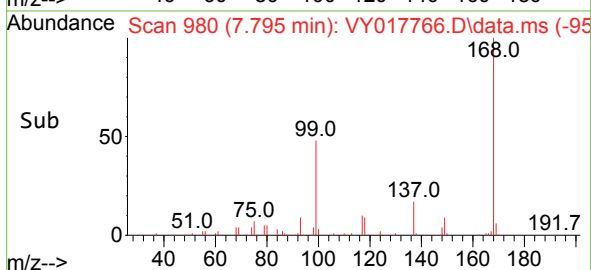
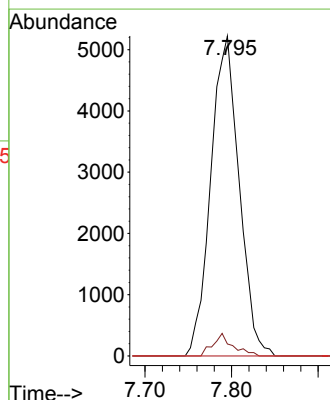
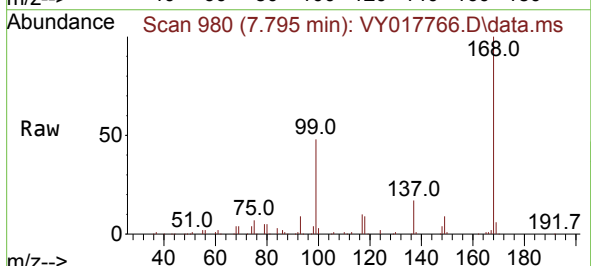
Tgt Ion: 117 Resp: 11893

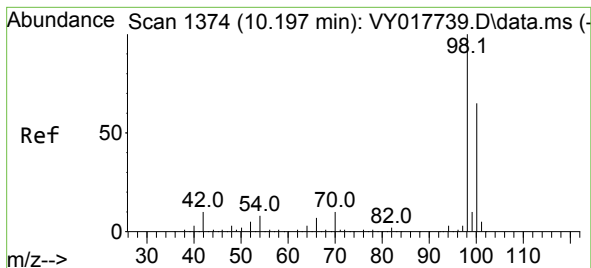
Ion Ratio Lower Upper

117 100

119 3.7 75.8 113.6#

121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 50.241 ug/l

RT: 10.185 min Scan# 11

Delta R.T. -0.012 min

Lab File: VY017766.D

Acq: 26 Mar 2024 13:36

Instrument :

MSVOA_Y

ClientSampleId :

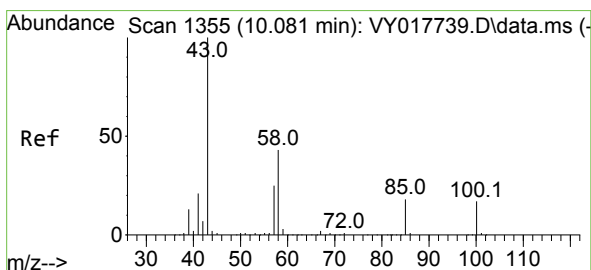
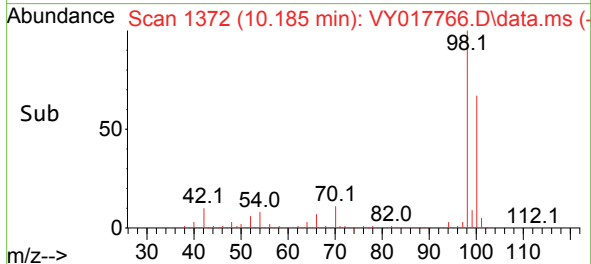
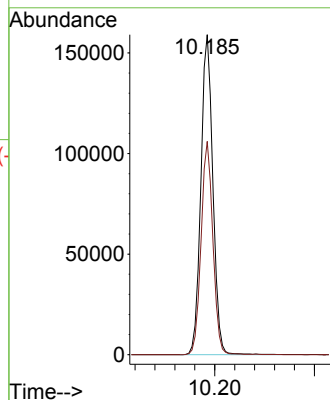
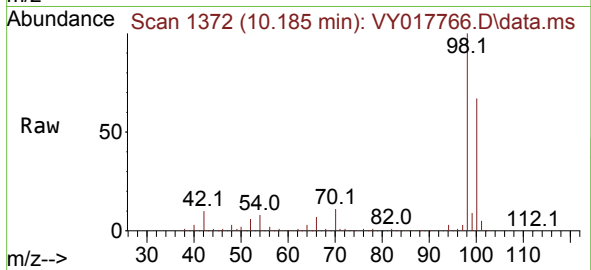
VNJ229-72-11976

Tgt Ion: 98 Resp: 264798

Ion Ratio Lower Upper

98 100

100 65.6 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 6.906 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. 0.104 min

Lab File: VY017766.D

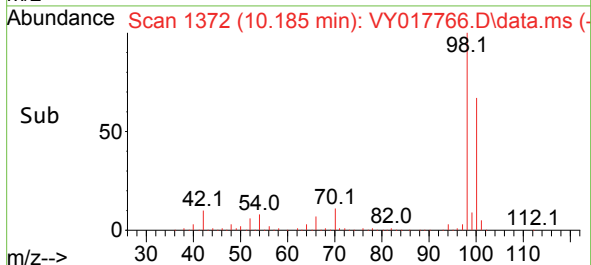
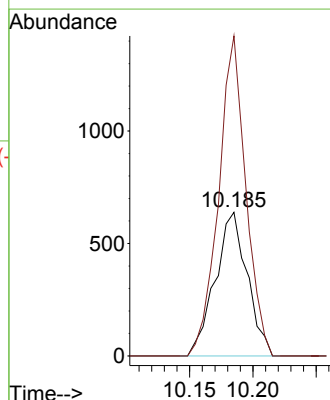
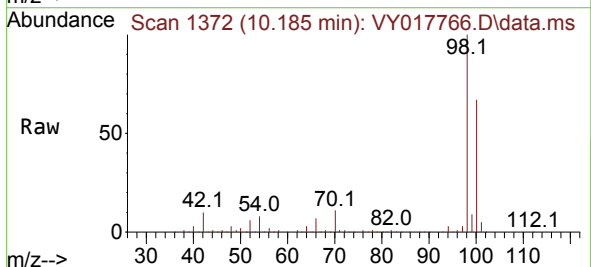
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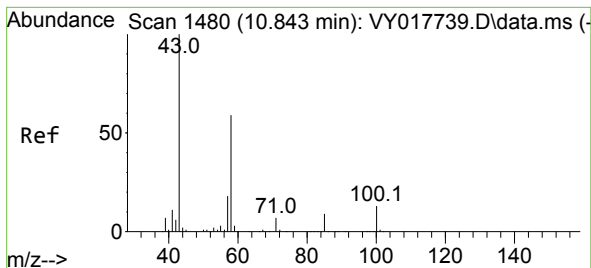
Tgt Ion: 43 Resp: 1126

Ion Ratio Lower Upper

43 100

58 189.1 35.7 53.5#

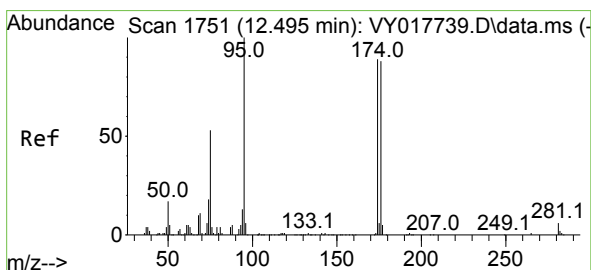
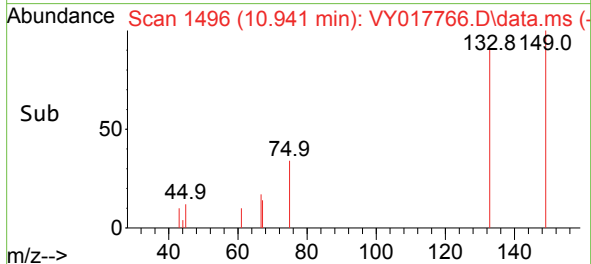
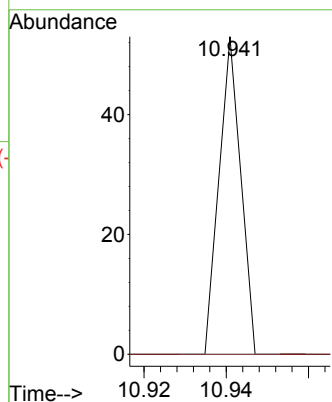
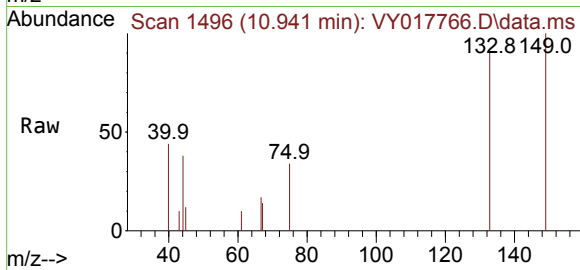




#59
2-Hexanone
Concen: 9.514 ug/l
RT: 10.941 min Scan# 1480
Delta R.T. 0.098 min
Lab File: VY017766.D
Acq: 26 Mar 2024 13:36

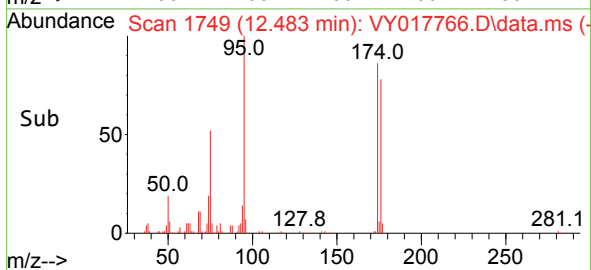
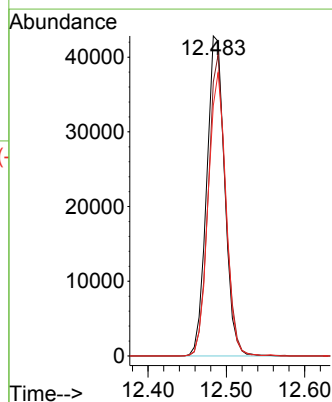
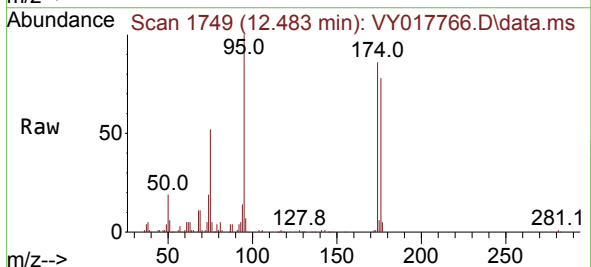
Instrument :
MSVOA_Y
ClientSampleId :
VNJ229-72-11976

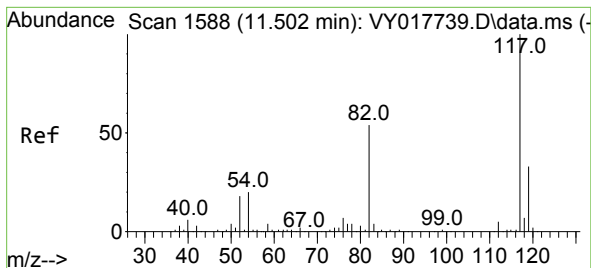
Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
58 0.0 31.4 94.0#



#62
4-Bromofluorobenzene
Concen: 43.107 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.012 min
Lab File: VY017766.D
Acq: 26 Mar 2024 13:36

Tgt Ion: 95 Resp: 68223
Ion Ratio Lower Upper
95 100
174 90.3 0.0 175.6
176 87.4 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY017766.D

Acq: 26 Mar 2024 13:36

Instrument :

MSVOA_Y

ClientSampleId :

VNJ229-72-11976

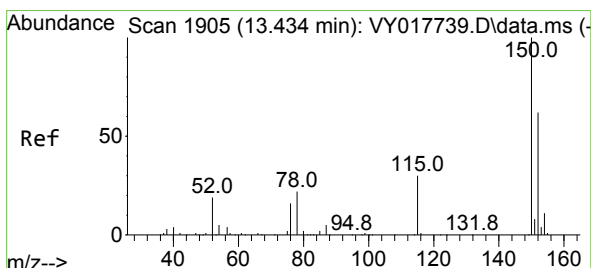
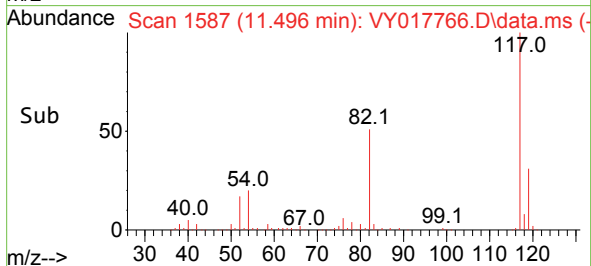
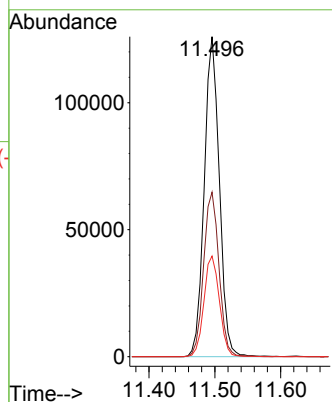
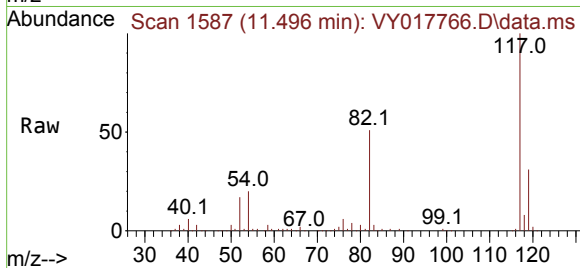
Tgt Ion:117 Resp: 201333

Ion Ratio Lower Upper

117 100

82 51.4 42.4 63.6

119 31.4 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY017766.D

Acq: 26 Mar 2024 13:36

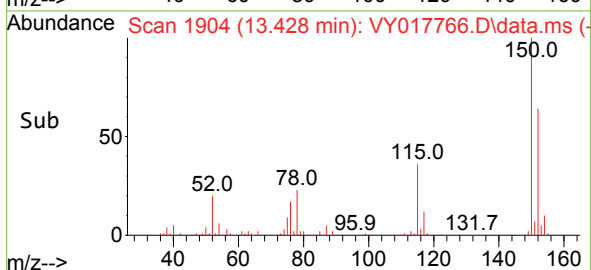
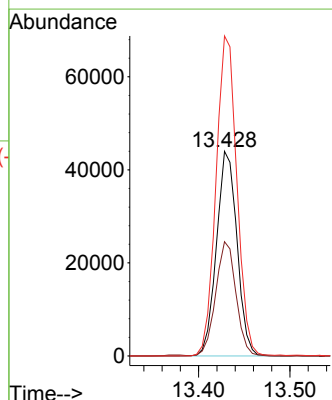
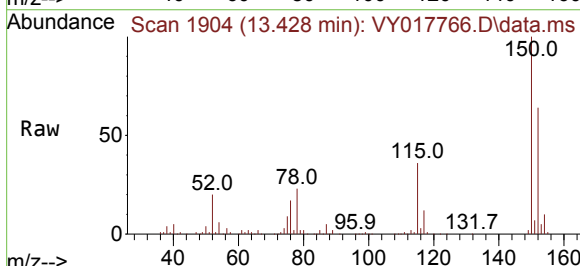
Tgt Ion:152 Resp: 68752

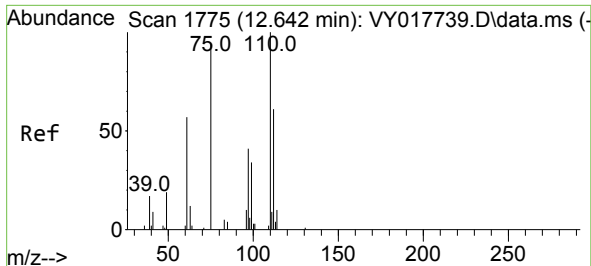
Ion Ratio Lower Upper

152 100

115 55.3 28.2 84.7

150 159.0 0.0 345.6

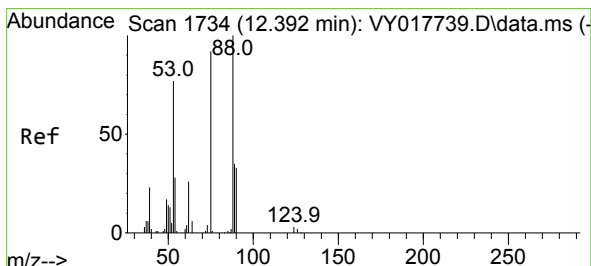
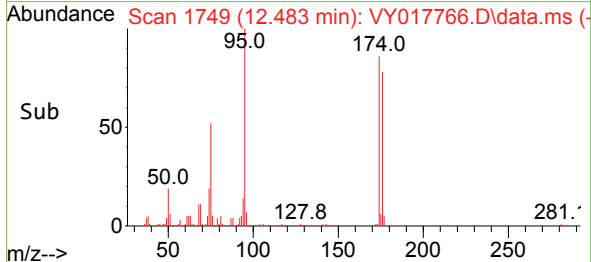
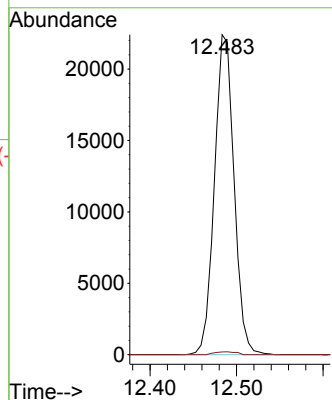
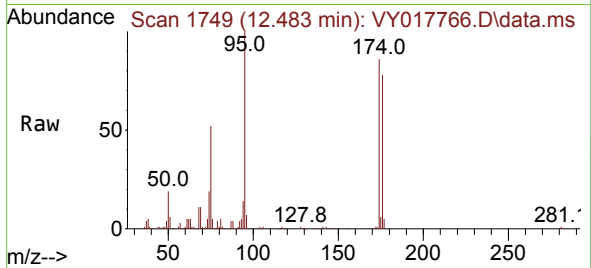




#76
1,2,3-Trichloropropane
Concen: 55.516 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.158 min
Lab File: VY017766.D
Acq: 26 Mar 2024 13:36

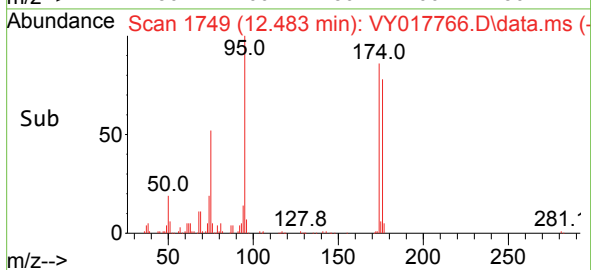
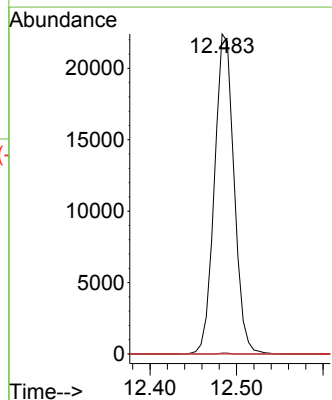
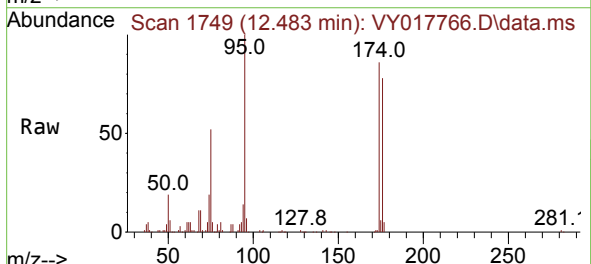
Instrument :
MSVOA_Y
ClientSampleId :
VNJ229-72-11976

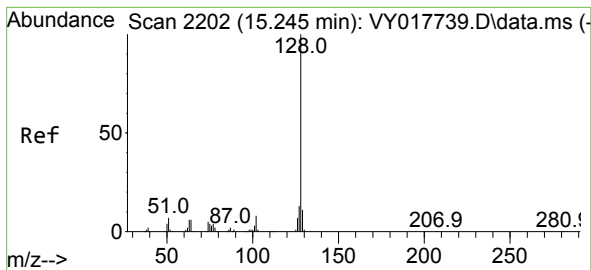
Tgt Ion: 75 Resp: 35246
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.280 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.091 min
Lab File: VY017766.D
Acq: 26 Mar 2024 13:36

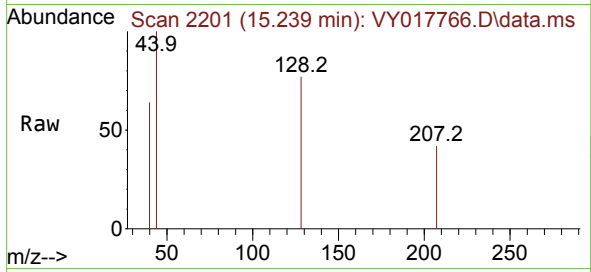
Tgt Ion: 75 Resp: 35246
Ion Ratio Lower Upper
75 100
53 0.1 66.8 100.2#
89 0.0 35.8 53.6#





#95
Naphthalene
Concen: 2.795 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY017766.D
Acq: 26 Mar 2024 13:36

Instrument :
MSVOA_Y
ClientSampleId :
VNJ229-72-11976



Tgt Ion:128 Resp: 350
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

