

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032524\
 Data File : VY017754.D
 Acq On : 25 Mar 2024 16:48
 Operator : SY/MD
 Sample : P1864-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ229-72-11976

Quant Time: Mar 26 04:26:00 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)

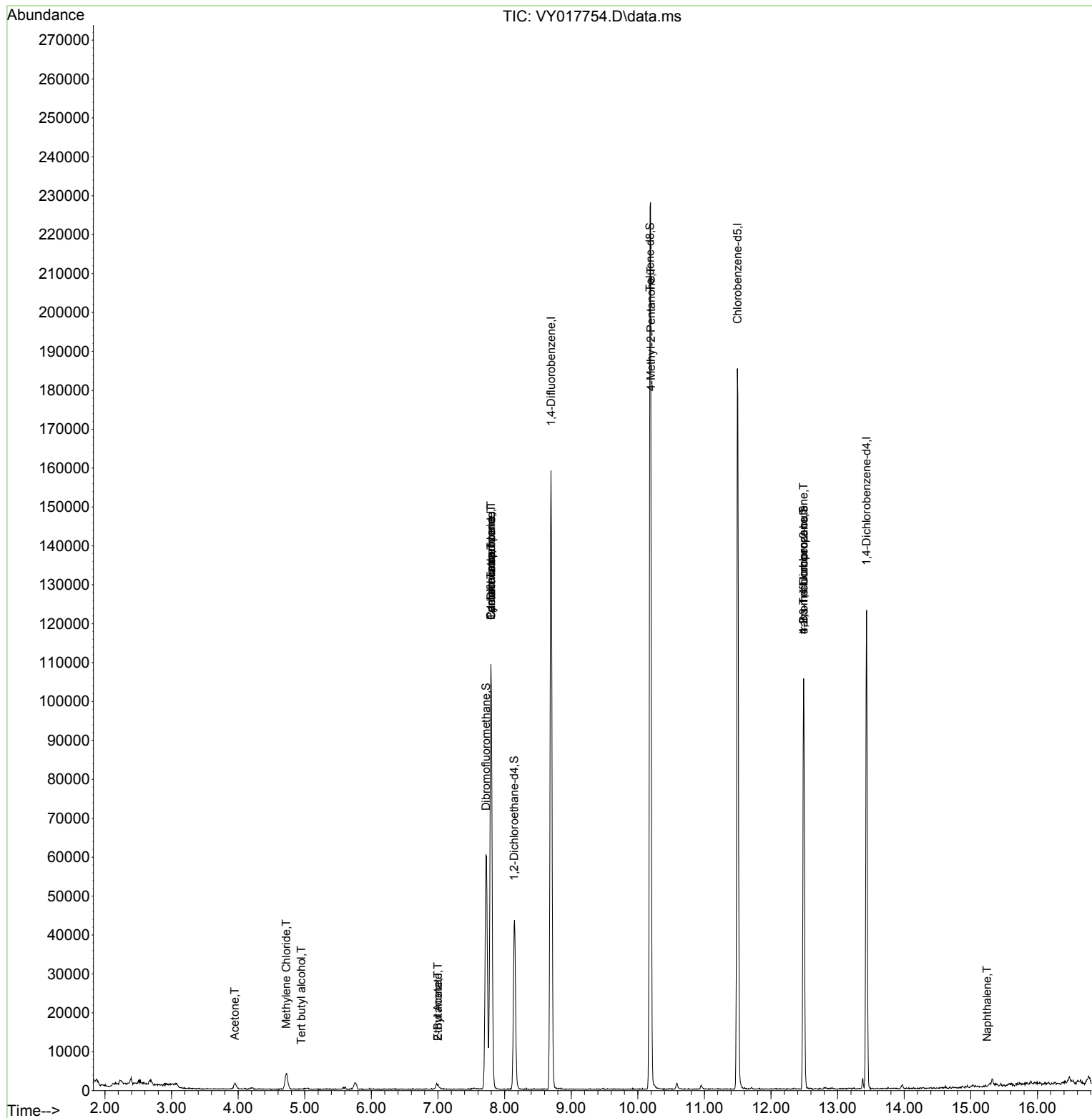
Internal Standards						
1) Pentafluorobenzene	7.795	168	90451	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	8.697	114	142529	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.495	117	109943	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	32633	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	34288	43.513	ug/l	-0.02
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.020%		
35) Dibromofluoromethane	7.722	113	44194	51.872	ug/l	-0.02
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.740%		
50) Toluene-d8	10.185	98	159808	49.010	ug/l	-0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.020%		
62) 4-Bromofluorobenzene	12.489	95	32112	32.796	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	65.600%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.948	59	124	2.366	ug/l #	88
16) Acetone	3.948	43	2817	20.439	ug/l #	77
20) Methylene Chloride	4.722	84	3440	3.432	ug/l	96
25) 2-Butanone	6.996	43	913	11.745	ug/l #	70
31) Cyclohexane	7.795	56	1733	1.112	ug/l #	7
36) 1,1-Dichloropropene	7.795	75	6492	4.932	ug/l #	49
37) Ethyl Acetate	6.996	43	913	1.805	ug/l #	76
38) Carbon Tetrachloride	7.795	117	8368	6.072	ug/l #	16
51) 4-Methyl-2-Pentanone	10.197	43	634	6.792	ug/l #	1
76) 1,2,3-Trichloropropane	12.489	75	16380	54.356	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	16380	125.601	ug/l #	16
95) Naphthalene	15.245	128	50	2.664	ug/l #	69

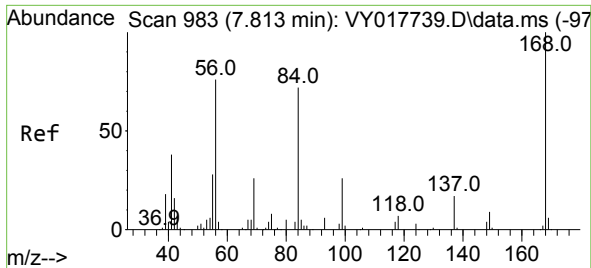
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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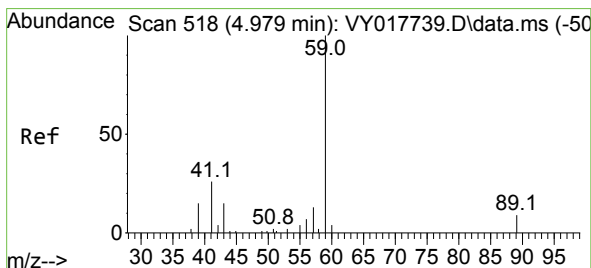
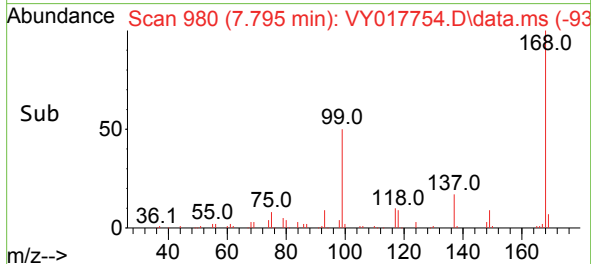
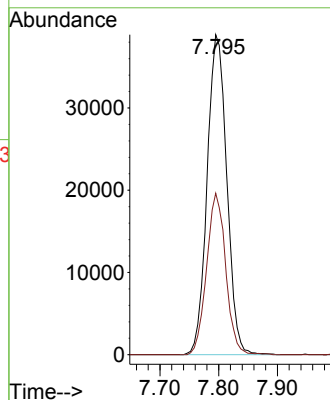
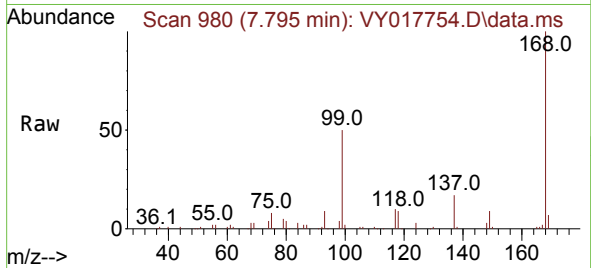




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.018 min
Lab File: VY017754.D
Acq: 25 Mar 2024 16:48

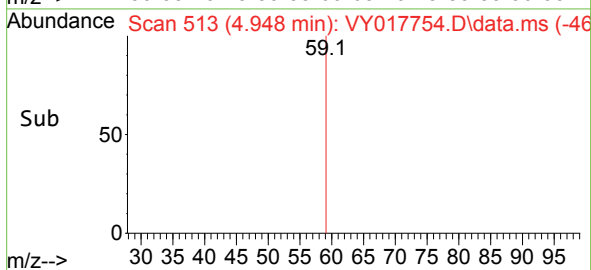
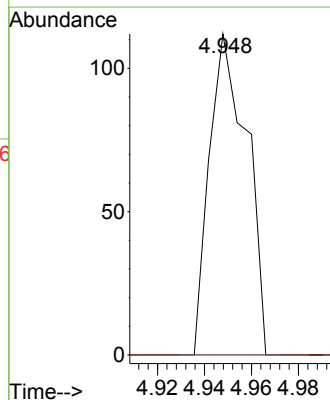
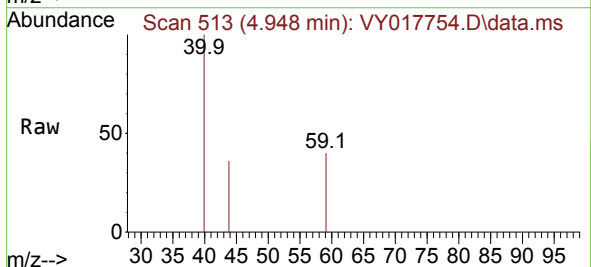
Instrument :
MSVOA_Y
ClientSampleId :
VNJ229-72-11976

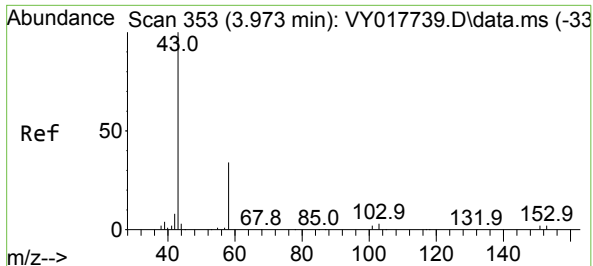
Tgt Ion:168 Resp: 90451
Ion Ratio Lower Upper
168 100
99 50.4 39.1 58.7



#11
Tert butyl alcohol
Concen: 2.366 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.031 min
Lab File: VY017754.D
Acq: 25 Mar 2024 16:48

Tgt Ion: 59 Resp: 124
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

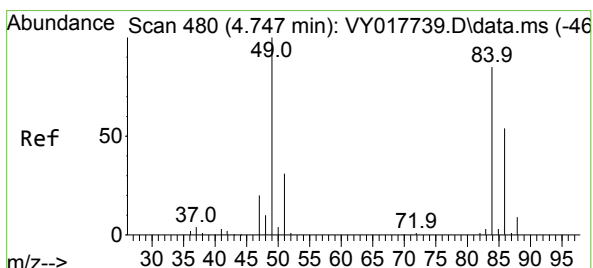
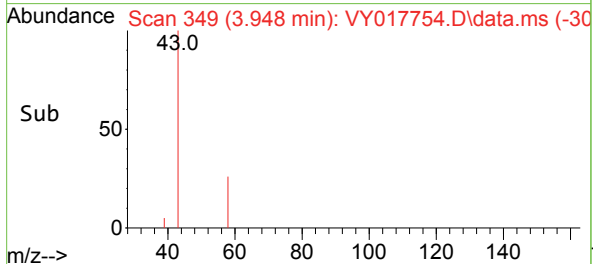
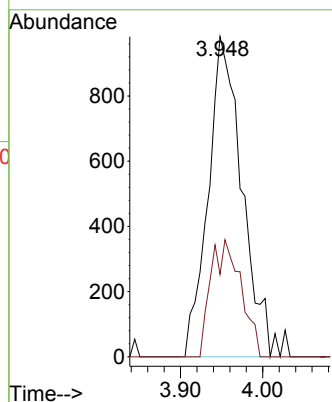
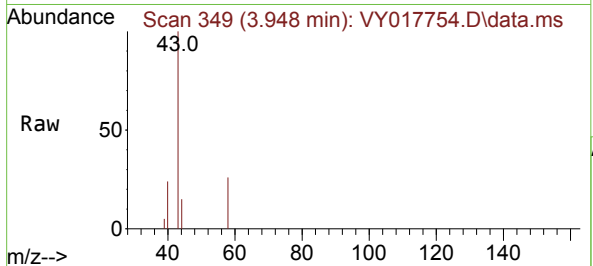




#16
Acetone
Concen: 20.439 ug/l
RT: 3.948 min Scan# 34
Delta R.T. -0.025 min
Lab File: VY017754.D
Acq: 25 Mar 2024 16:48

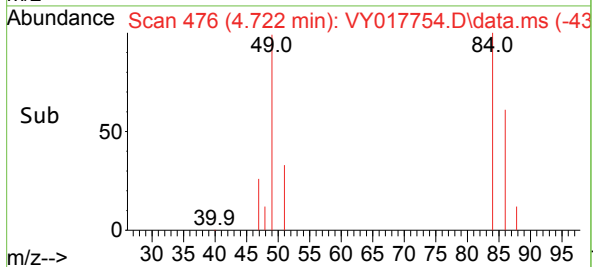
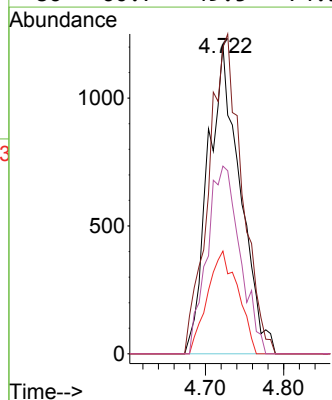
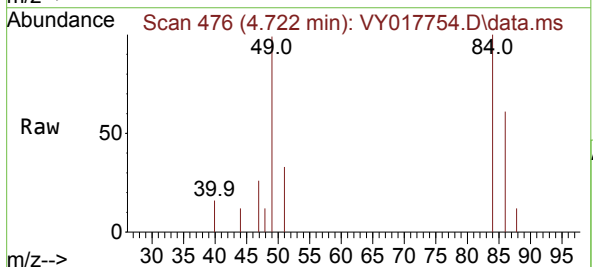
Instrument :
MSVOA_Y
ClientSampleId :
VNJ229-72-11976

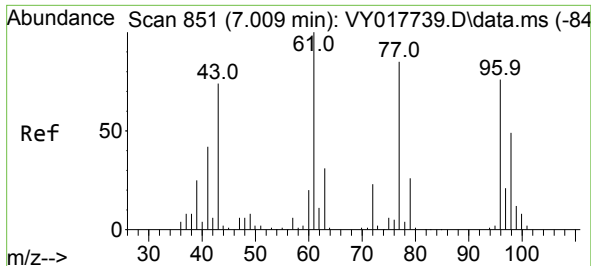
Tgt Ion: 43 Resp: 2817
Ion Ratio Lower Upper
43 100
58 25.8 31.7 47.5#



#20
Methylene Chloride
Concen: 3.432 ug/l
RT: 4.722 min Scan# 476
Delta R.T. -0.025 min
Lab File: VY017754.D
Acq: 25 Mar 2024 16:48

Tgt Ion: 84 Resp: 3440
Ion Ratio Lower Upper
84 100
49 99.2 84.4 126.6
51 33.3 26.0 39.0
86 60.7 49.5 74.3

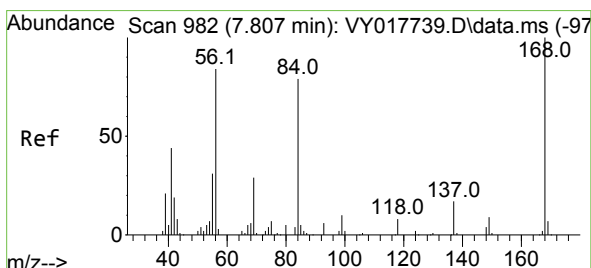
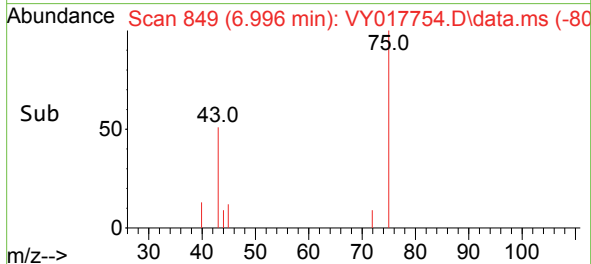
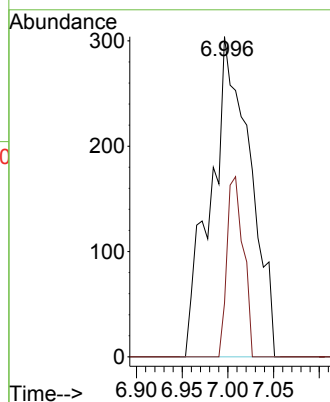
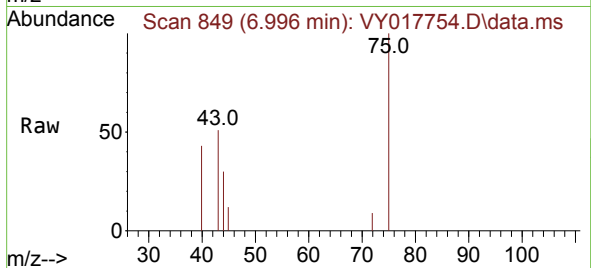




#25
2-Butanone
Concen: 11.745 ug/l
RT: 6.996 min Scan# 84
Delta R.T. -0.013 min
Lab File: VY017754.D
Acq: 25 Mar 2024 16:48

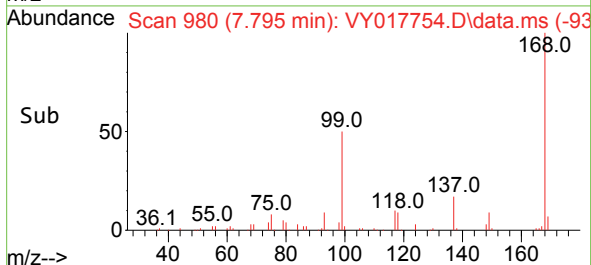
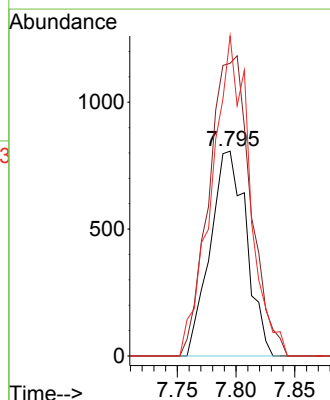
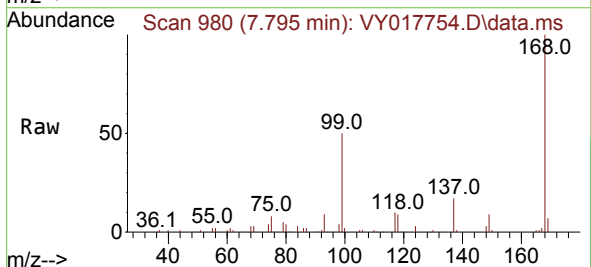
Instrument :
MSVOA_Y
ClientSampleId :
VNJ229-72-11976

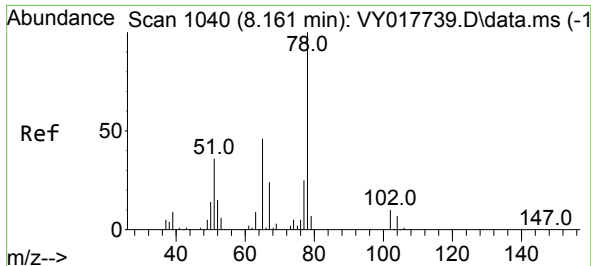
Tgt Ion: 43 Resp: 913
Ion Ratio Lower Upper
43 100
72 16.8 27.3 40.9#



#31
Cyclohexane
Concen: 1.112 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.012 min
Lab File: VY017754.D
Acq: 25 Mar 2024 16:48

Tgt Ion: 56 Resp: 1733
Ion Ratio Lower Upper
56 100
69 142.9 28.7 43.1#
84 156.3 77.7 116.5#

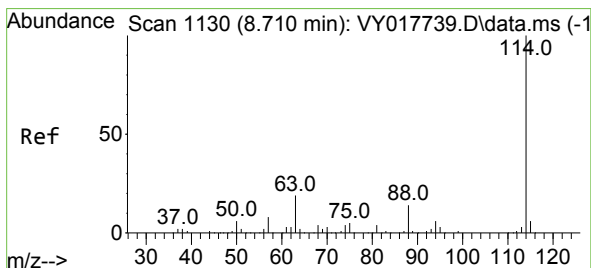
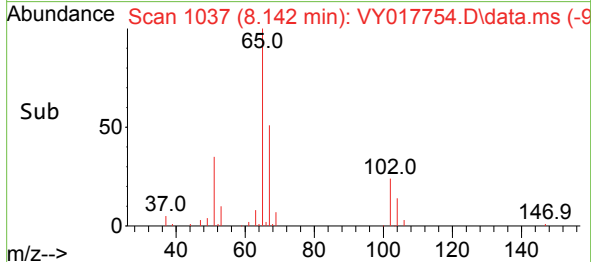
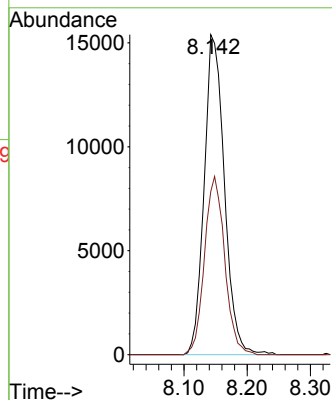
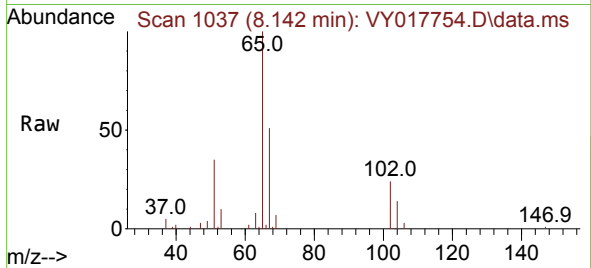




#33
1,2-Dichloroethane-d4
Concen: 43.513 ug/l
RT: 8.142 min Scan# 1040
Delta R.T. -0.019 min
Lab File: VY017754.D
Acq: 25 Mar 2024 16:48

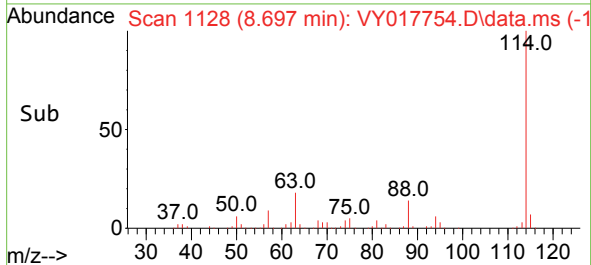
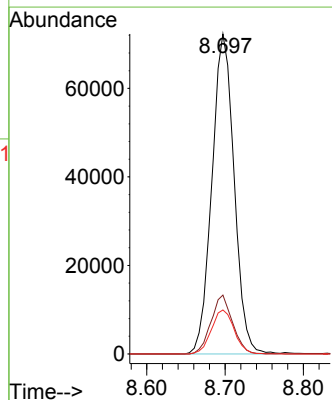
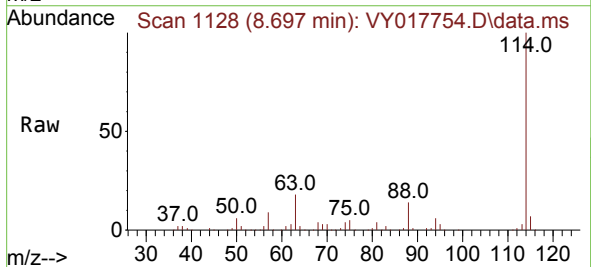
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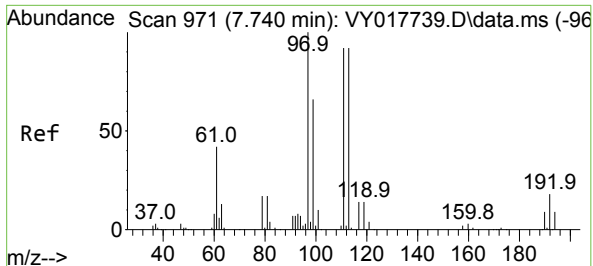
Tgt Ion: 65 Resp: 34288
Ion Ratio Lower Upper
65 100
67 55.7 0.0 109.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.012 min
Lab File: VY017754.D
Acq: 25 Mar 2024 16:48

Tgt Ion: 114 Resp: 142529
Ion Ratio Lower Upper
114 100
63 18.4 0.0 35.0
88 13.8 0.0 27.2

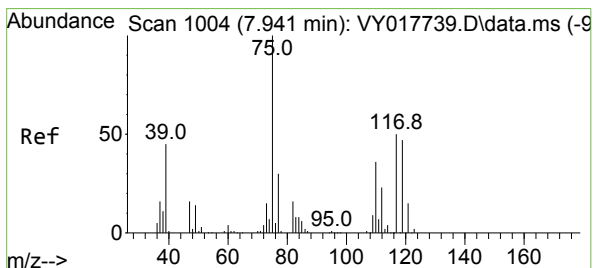
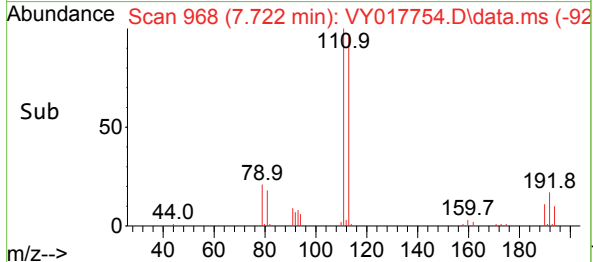
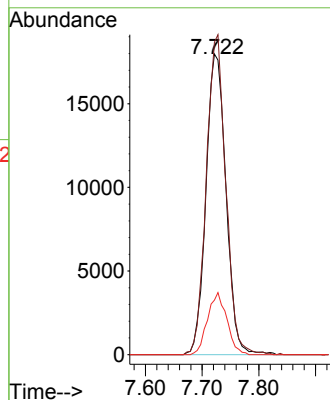
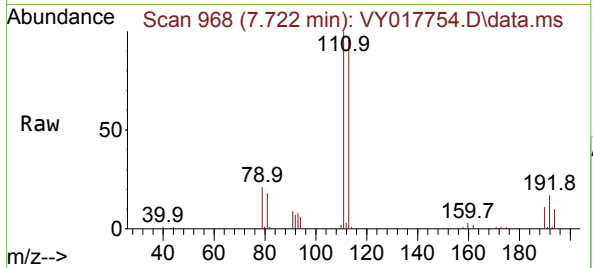




#35
Dibromofluoromethane
Concen: 51.872 ug/l
RT: 7.722 min Scan# 90
Delta R.T. -0.019 min
Lab File: VY017754.D
Acq: 25 Mar 2024 16:48

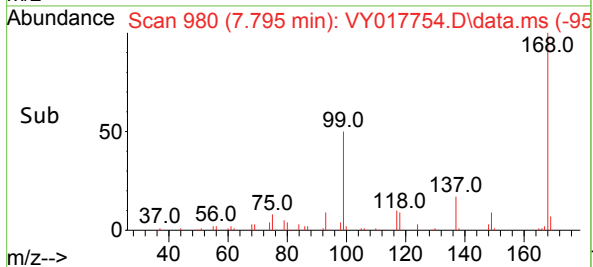
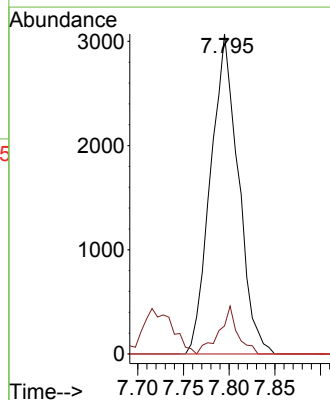
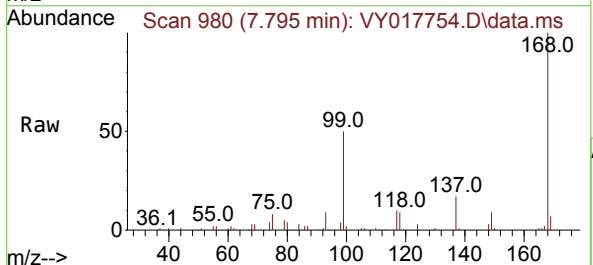
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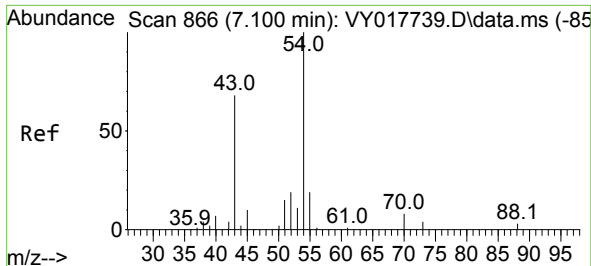
Tgt Ion:113 Resp: 44194
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.4
192 19.9 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.932 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.147 min
Lab File: VY017754.D
Acq: 25 Mar 2024 16:48

Tgt Ion: 75 Resp: 6492
Ion Ratio Lower Upper
75 100
110 9.9 19.0 57.0#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 1.805 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.104 min

Lab File: VY017754.D

Acq: 25 Mar 2024 16:48

Instrument :

MSVOA_Y

ClientSampleId :

VNJ229-72-11976

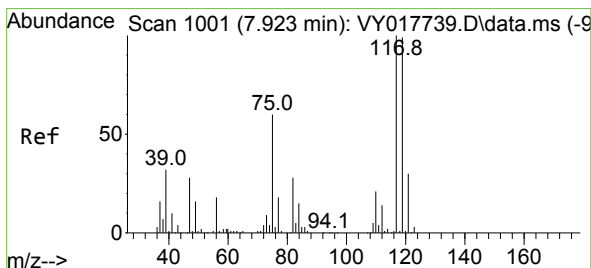
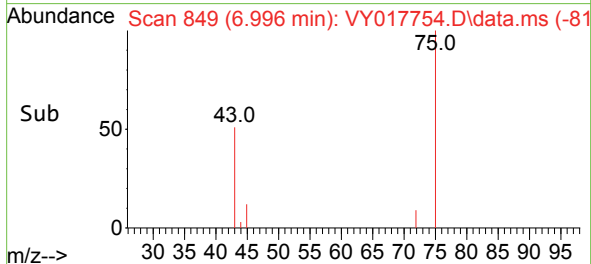
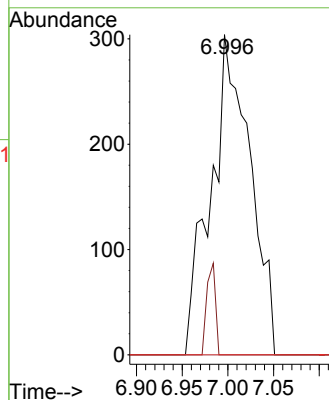
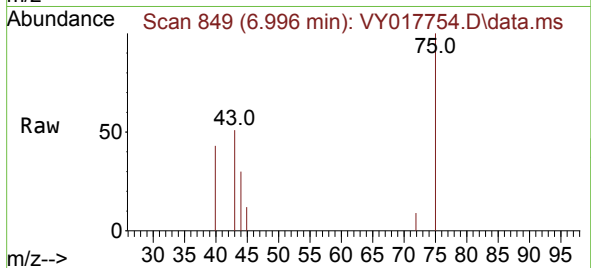
Tgt Ion: 43 Resp: 913

Ion Ratio Lower Upper

43 100

61 6.2 12.6 19.0#

70 0.0 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 6.072 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.128 min

Lab File: VY017754.D

Acq: 25 Mar 2024 16:48

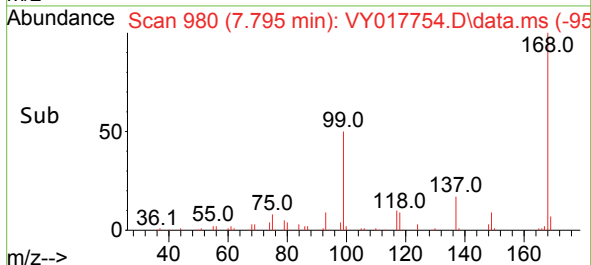
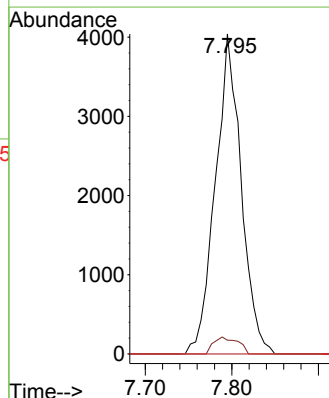
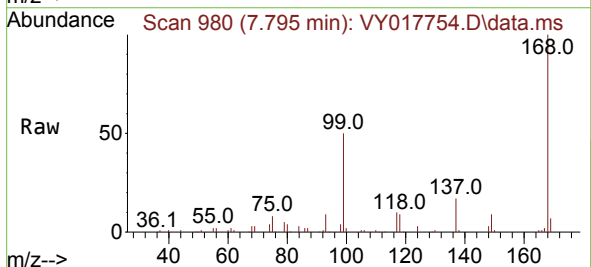
Tgt Ion: 117 Resp: 8368

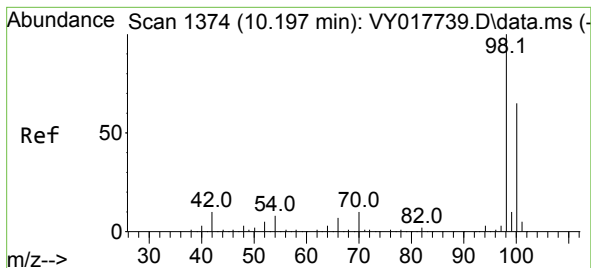
Ion Ratio Lower Upper

117 100

119 4.3 75.8 113.6#

121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 49.010 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. -0.012 min

Lab File: VY017754.D

Acq: 25 Mar 2024 16:48

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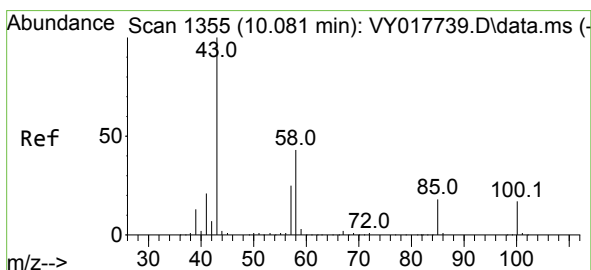
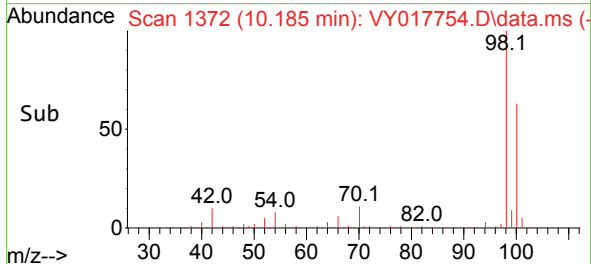
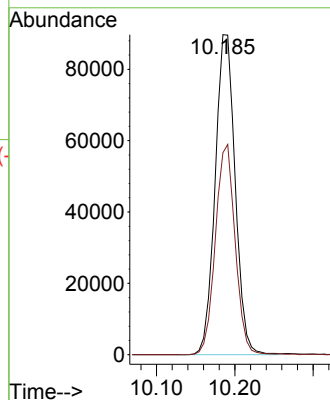
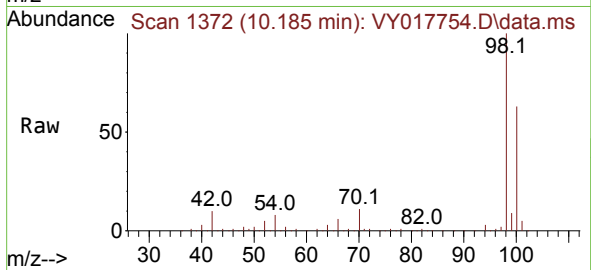
VNJ229-72-11976

Tgt Ion: 98 Resp: 159808

Ion Ratio Lower Upper

98 100

100 64.9 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 6.792 ug/l

RT: 10.197 min Scan# 1374

Delta R.T. 0.116 min

Lab File: VY017754.D

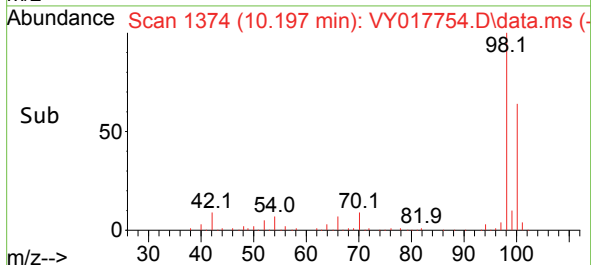
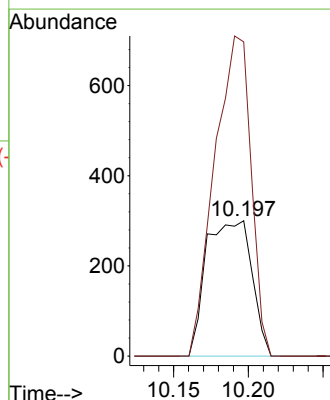
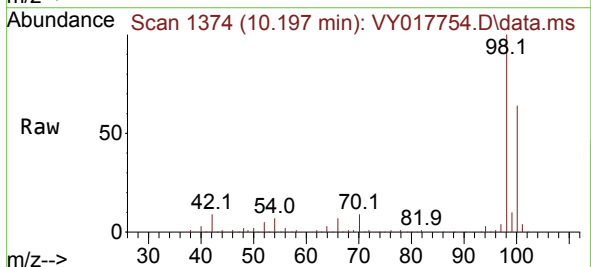
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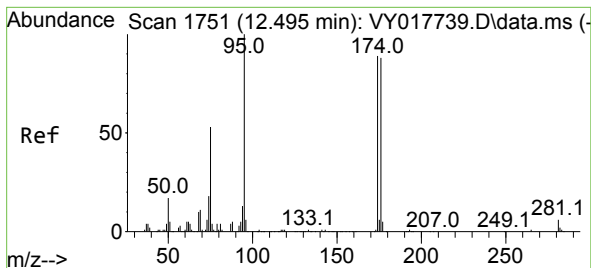
Tgt Ion: 43 Resp: 634

Ion Ratio Lower Upper

43 100

58 189.6 35.7 53.5#

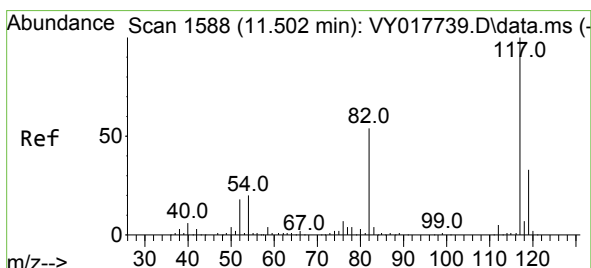
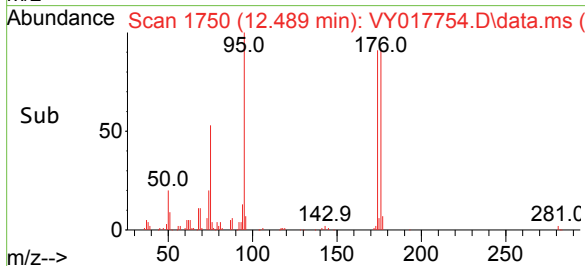
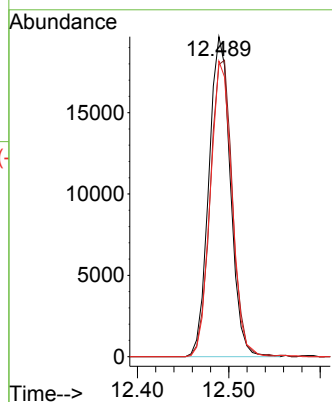
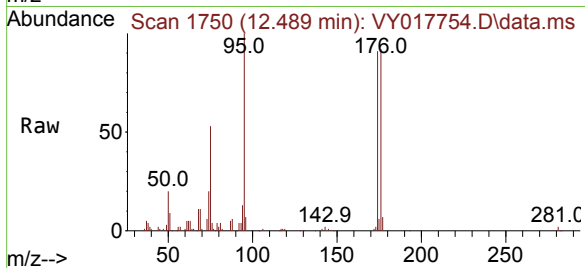




#62
4-Bromofluorobenzene
Concen: 32.796 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.006 min
Lab File: VY017754.D
Acq: 25 Mar 2024 16:48

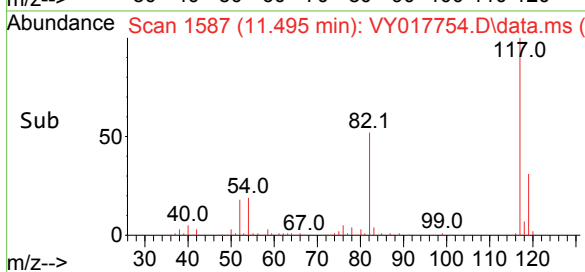
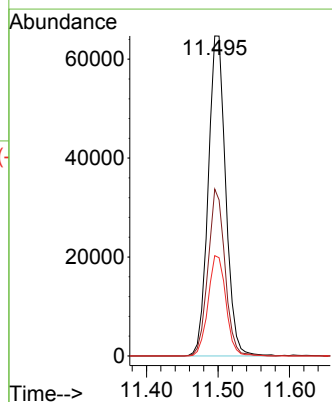
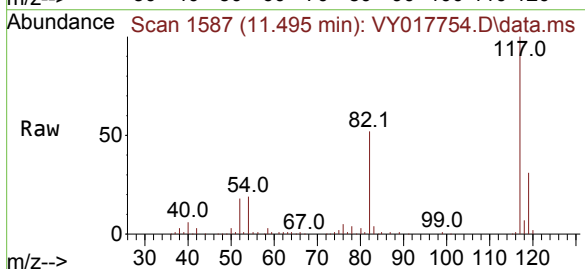
Instrument :
MSVOA_Y
ClientSampleId :
VNJ229-72-11976

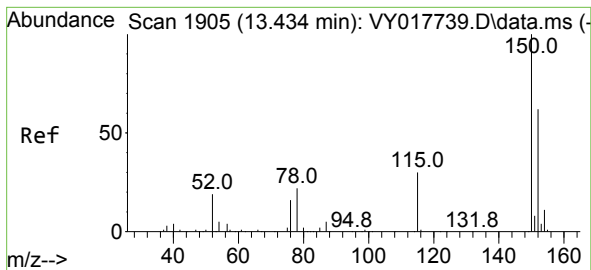
Tgt Ion: 95 Resp: 32112
Ion Ratio Lower Upper
95 100
174 95.4 0.0 175.6
176 92.7 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY017754.D
Acq: 25 Mar 2024 16:48

Tgt Ion: 117 Resp: 109943
Ion Ratio Lower Upper
117 100
82 52.1 42.4 63.6
119 31.3 25.9 38.9

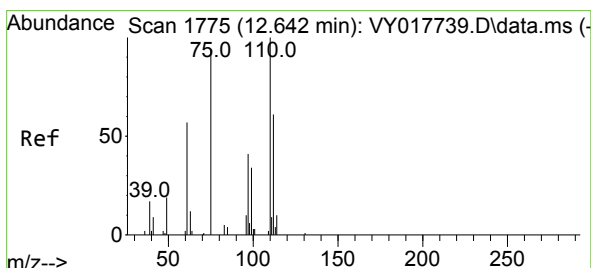
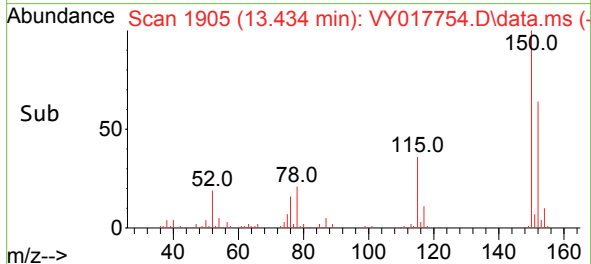
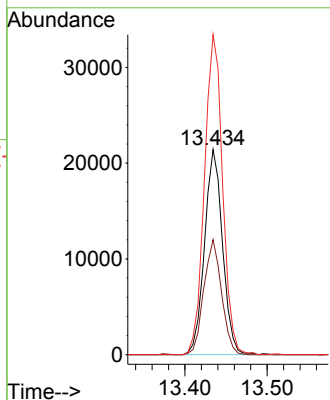
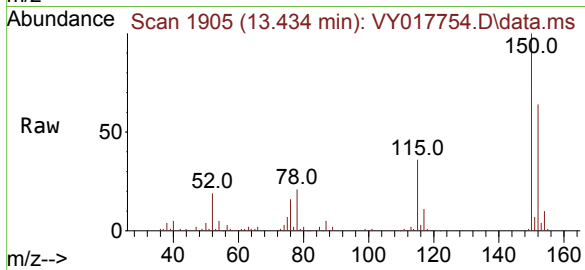




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.434 min Scan# 1905
 Delta R.T. -0.000 min
 Lab File: VY017754.D
 Acq: 25 Mar 2024 16:48

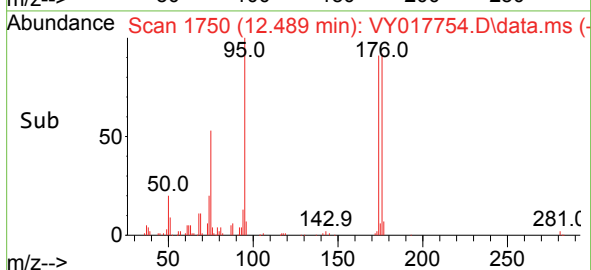
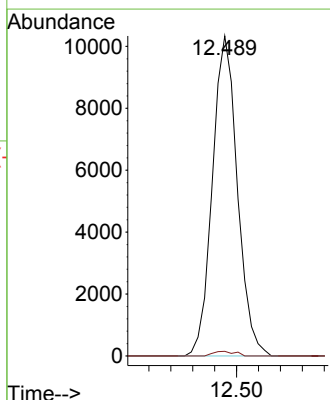
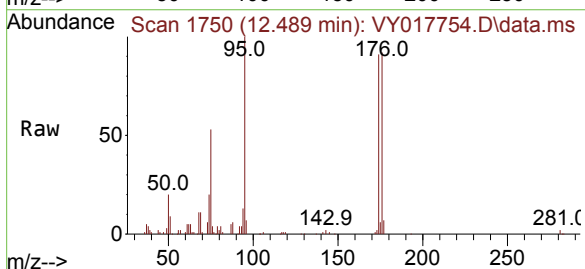
Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ229-72-11976

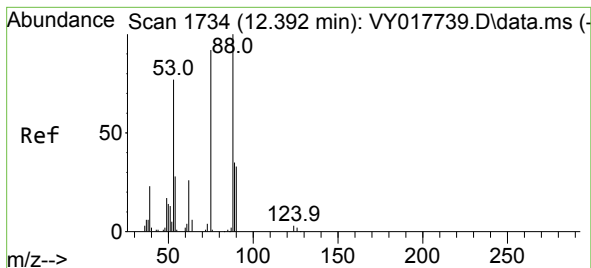
Tgt Ion:152 Resp: 32633
 Ion Ratio Lower Upper
 152 100
 115 55.0 28.2 84.7
 150 156.7 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 54.356 ug/l
 RT: 12.489 min Scan# 1750
 Delta R.T. -0.153 min
 Lab File: VY017754.D
 Acq: 25 Mar 2024 16:48

Tgt Ion: 75 Resp: 16380
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

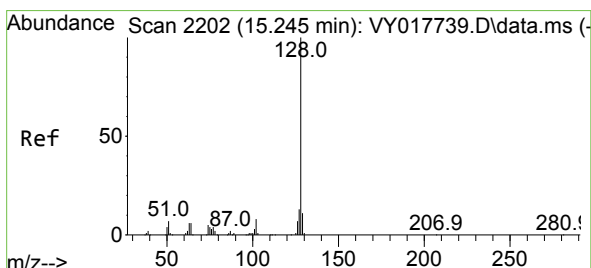
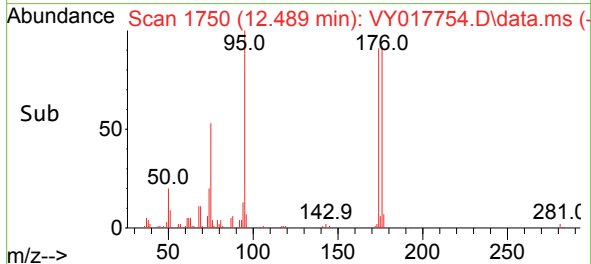
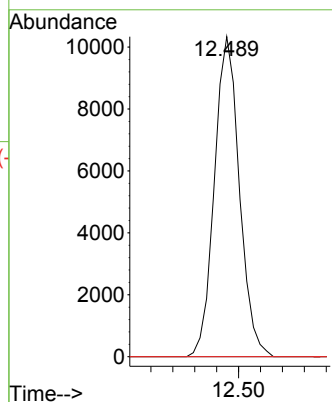
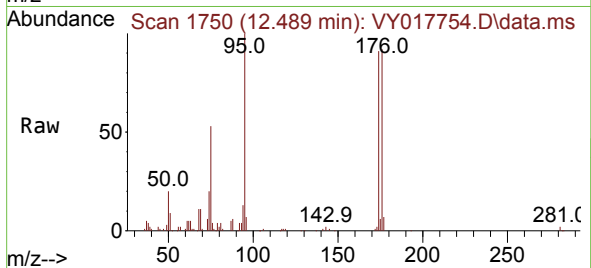




#81
trans-1,4-Dichloro-2-butene
Concen: 125.601 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.097 min
Lab File: VY017754.D
Acq: 25 Mar 2024 16:48

Instrument :
MSVOA_Y
ClientSampleId :
VNJ229-72-11976

Tgt Ion: 75 Resp: 16380
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 2.664 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY017754.D
Acq: 25 Mar 2024 16:48

Tgt Ion: 128 Resp: 50
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

