

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032624\
 Data File : VY017767.D
 Acq On : 26 Mar 2024 14:13
 Operator : SY/MD
 Sample : P1865-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-235

Quant Time: Mar 27 01:29:53 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)

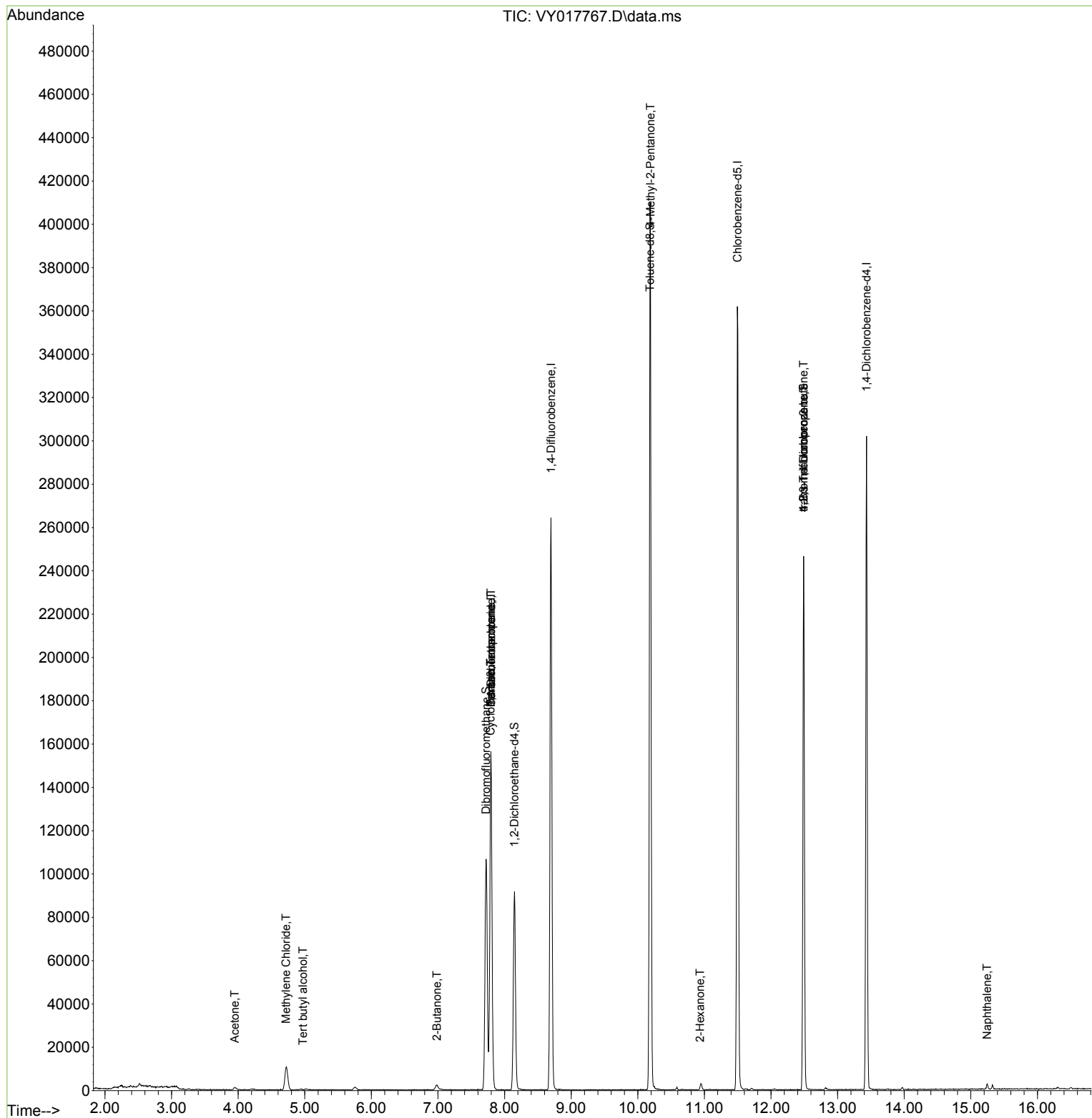
Internal Standards						
1) Pentafluorobenzene	7.795	168	124675	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	8.697	114	234205	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.495	117	209963	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	77534	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	70859	65.239	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 130.480%	
35) Dibromofluoromethane	7.722	113	76375	54.554	ug/l	-0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.100%	
50) Toluene-d8	10.185	98	270087	50.408	ug/l	-0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.820%	
62) 4-Bromofluorobenzene	12.489	95	73522	45.697	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.400%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	136	1.883	ug/l #	88
16) Acetone	3.948	43	2173	11.438	ug/l #	81
20) Methylene Chloride	4.716	84	8679	6.282	ug/l	93
25) 2-Butanone	6.984	43	30	8.060	ug/l #	41
31) Cyclohexane	7.789	56	2435	1.134	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	9108	4.211	ug/l #	46
38) Carbon Tetrachloride	7.795	117	11511	5.083	ug/l #	18
51) 4-Methyl-2-Pentanone	10.191	43	1070	6.824	ug/l #	1
59) 2-Hexanone	10.935	43	228	9.837	ug/l #	19
76) 1,2,3-Trichloropropane	12.489	75	38573	53.874	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	38573	124.488	ug/l #	16
95) Naphthalene	15.245	128	2229	3.662	ug/l #	95

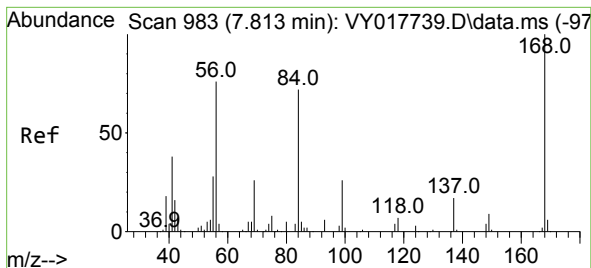
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY017767.D

Acq: 26 Mar 2024 14:13

Instrument :

MSVOA_Y

ClientSampleId :

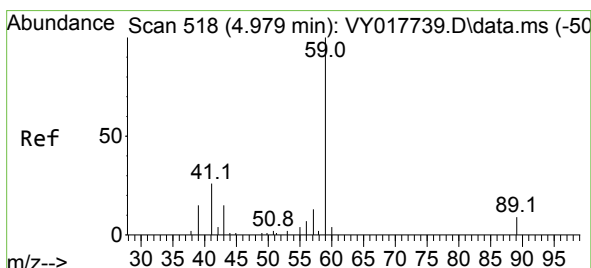
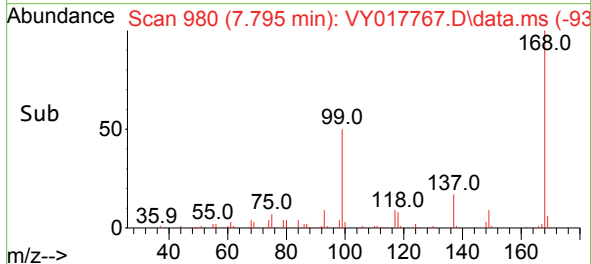
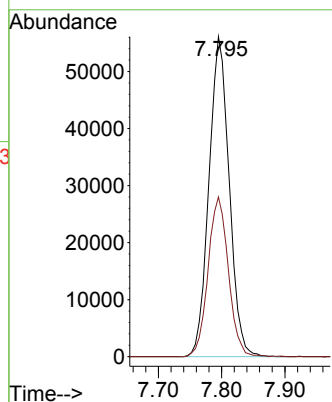
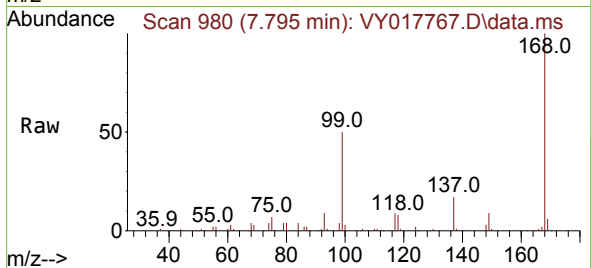
VNJ-235

Tgt Ion:168 Resp: 124675

Ion Ratio Lower Upper

168 100

99 49.9 39.1 58.7



#11

Tert butyl alcohol

Concen: 1.883 ug/l

RT: 4.972 min Scan# 517

Delta R.T. -0.006 min

Lab File: VY017767.D

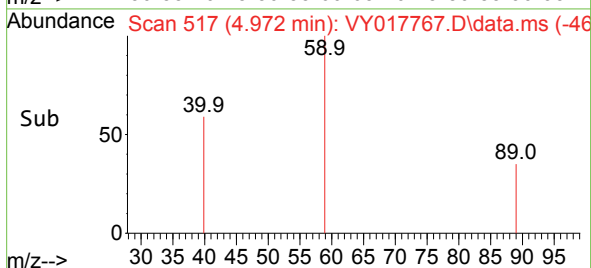
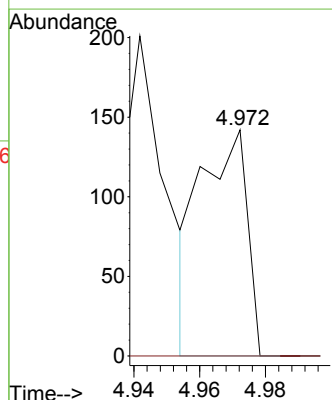
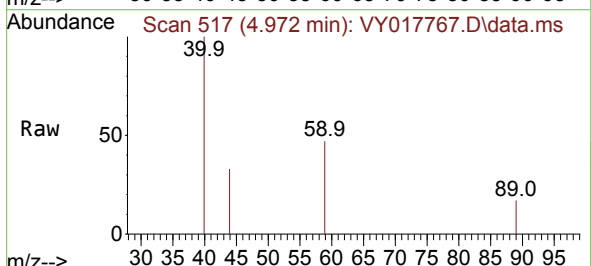
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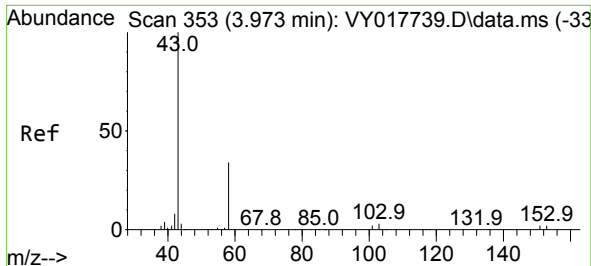
Tgt Ion: 59 Resp: 136

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#

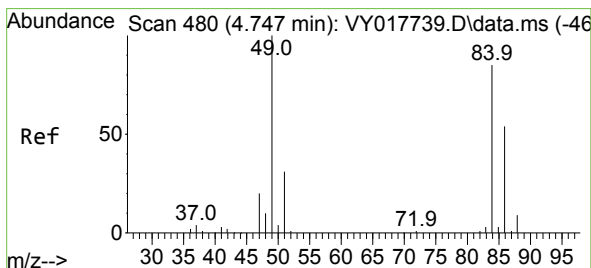
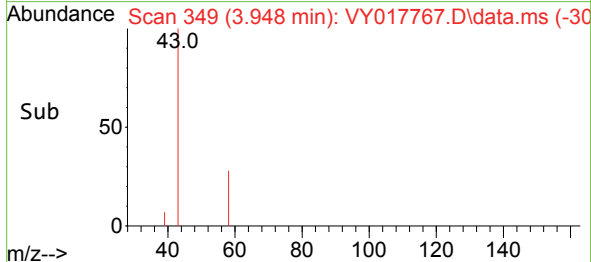
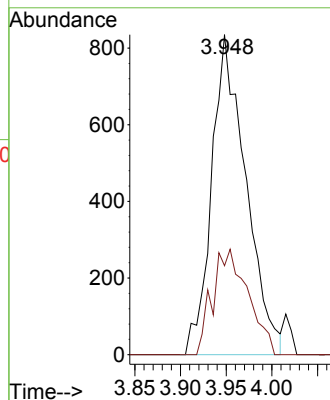
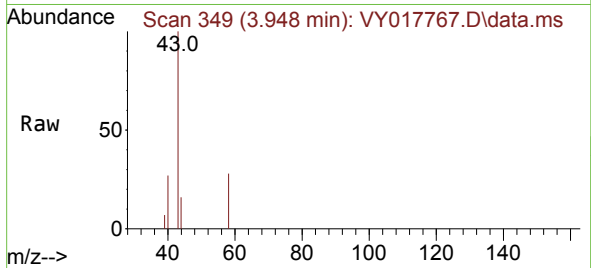




#16
Acetone
Concen: 11.438 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.025 min
Lab File: VY017767.D
Acq: 26 Mar 2024 14:13

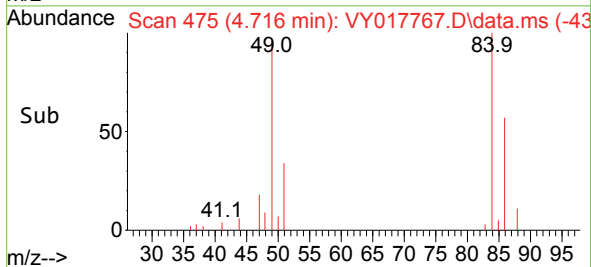
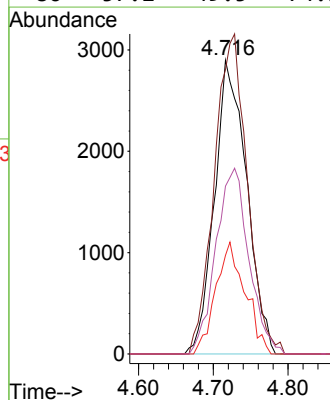
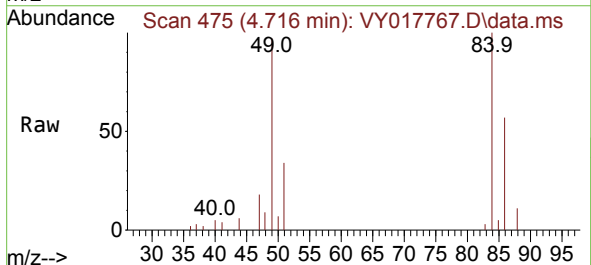
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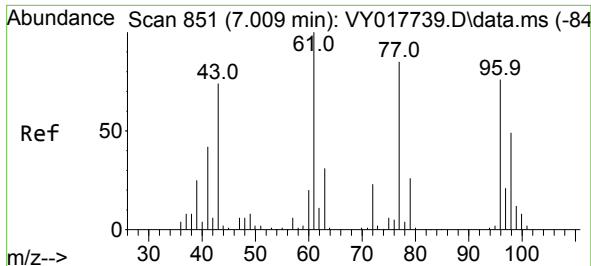
Tgt Ion: 43 Resp: 2173
Ion Ratio Lower Upper
43 100
58 27.8 31.7 47.5#



#20
Methylene Chloride
Concen: 6.282 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.031 min
Lab File: VY017767.D
Acq: 26 Mar 2024 14:13

Tgt Ion: 84 Resp: 8679
Ion Ratio Lower Upper
84 100
49 96.8 84.4 126.6
51 33.5 26.0 39.0
86 57.2 49.5 74.3

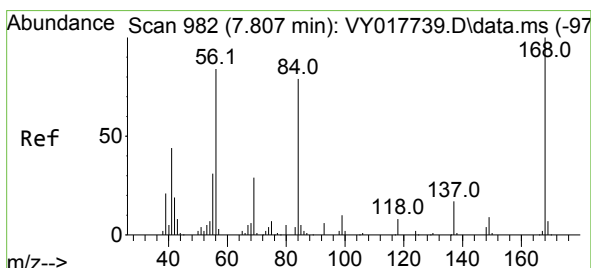
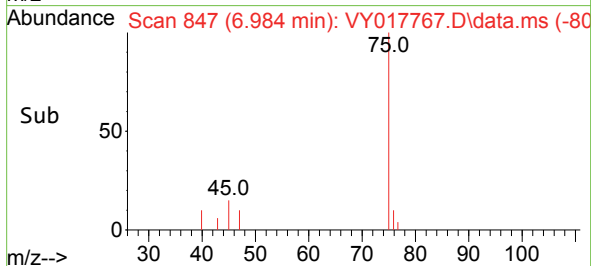
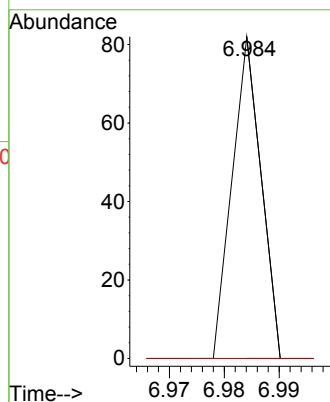
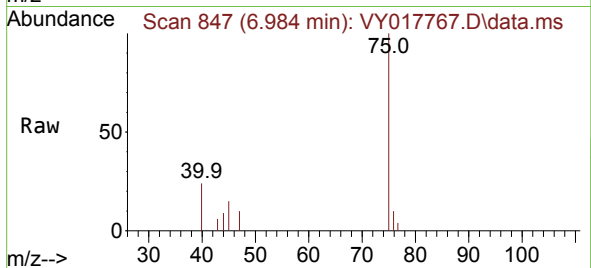




#25
2-Butanone
Concen: 8.060 ug/l
RT: 6.984 min Scan# 84
Delta R.T. -0.025 min
Lab File: VY017767.D
Acq: 26 Mar 2024 14:13

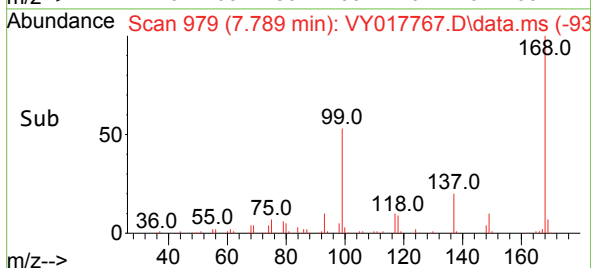
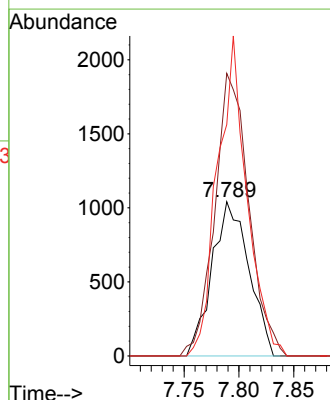
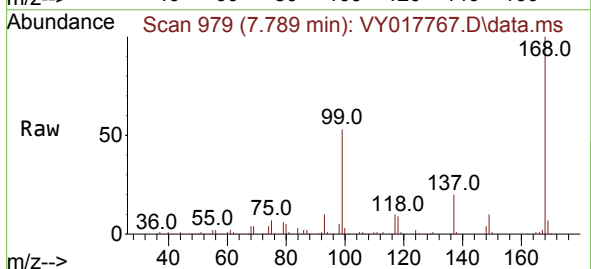
Instrument :
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ClientSampleId :
VNJ-235

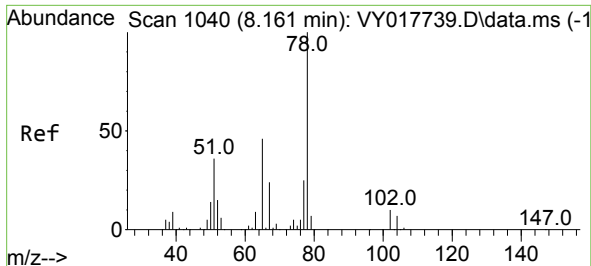
Tgt Ion: 43 Resp: 30
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#



#31
Cyclohexane
Concen: 1.134 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.018 min
Lab File: VY017767.D
Acq: 26 Mar 2024 14:13

Tgt Ion: 56 Resp: 2435
Ion Ratio Lower Upper
56 100
69 183.1 28.7 43.1#
84 149.9 77.7 116.5#

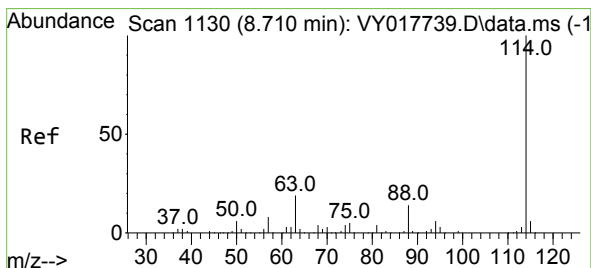
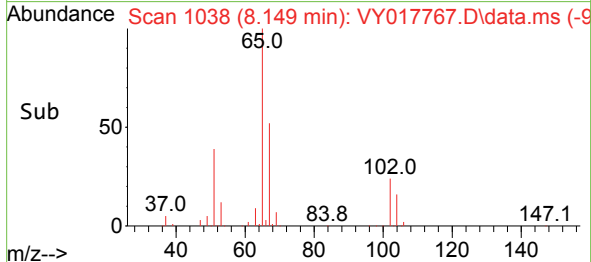
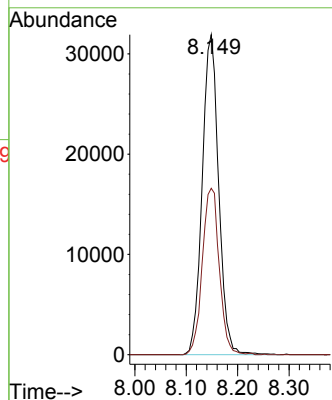
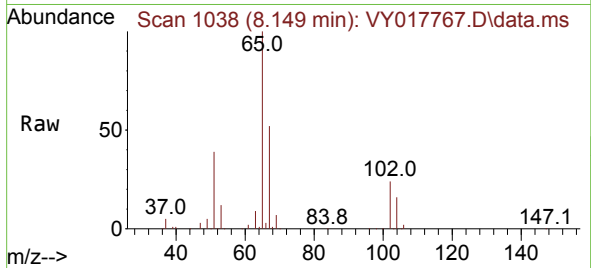




#33
1,2-Dichloroethane-d4
Concen: 65.239 ug/l
RT: 8.149 min Scan# 1108
Delta R.T. -0.012 min
Lab File: VY017767.D
Acq: 26 Mar 2024 14:13

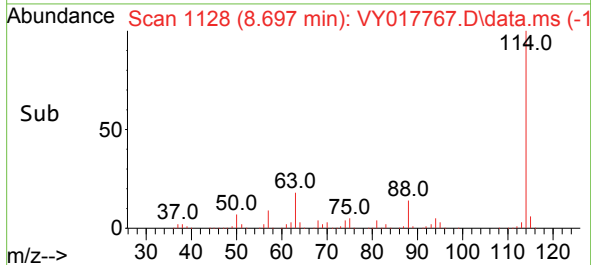
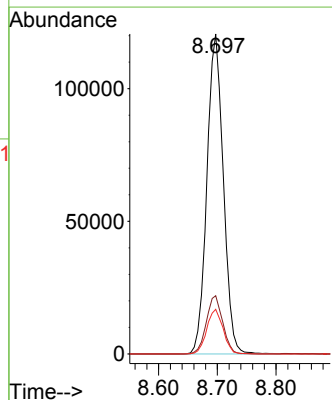
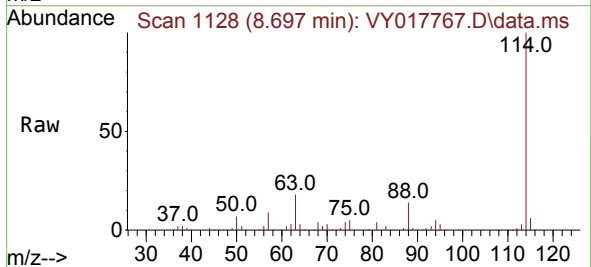
Instrument :
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ClientSampleId :
VNJ-235

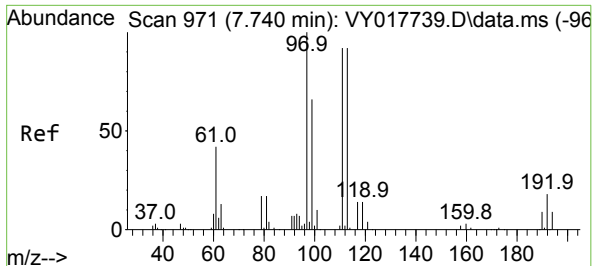
Tgt Ion: 65 Resp: 70859
Ion Ratio Lower Upper
65 100
67 53.6 0.0 109.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.012 min
Lab File: VY017767.D
Acq: 26 Mar 2024 14:13

Tgt Ion:114 Resp: 234205
Ion Ratio Lower Upper
114 100
63 18.2 0.0 35.0
88 13.9 0.0 27.2

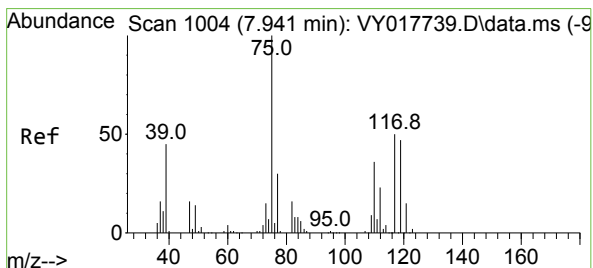
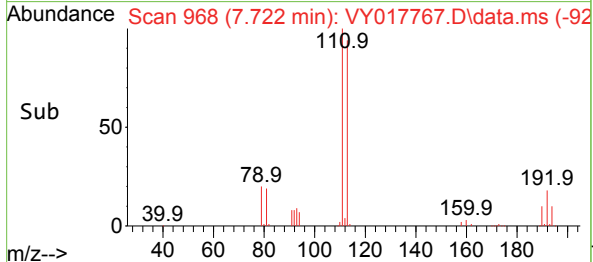
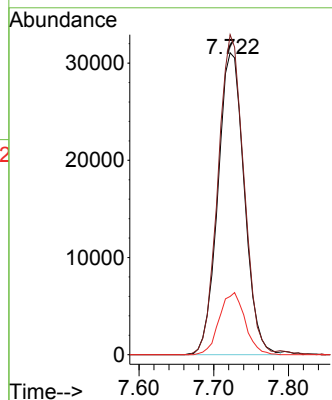
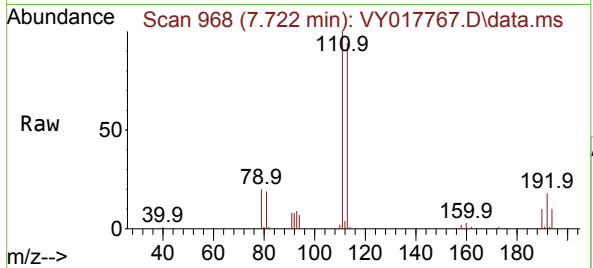




#35
Dibromofluoromethane
Concen: 54.554 ug/l
RT: 7.722 min Scan# 90
Delta R.T. -0.018 min
Lab File: VY017767.D
Acq: 26 Mar 2024 14:13

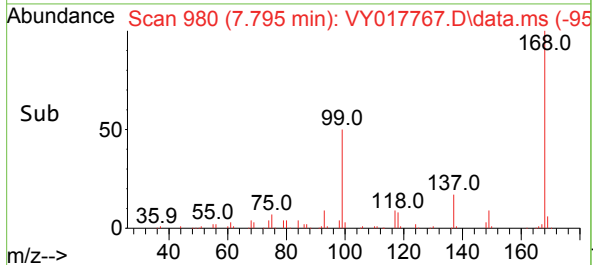
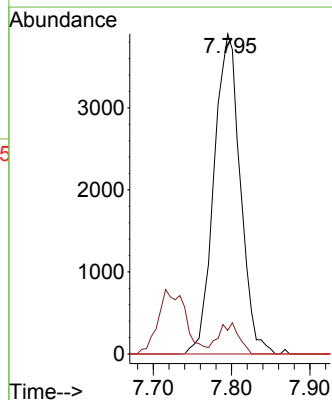
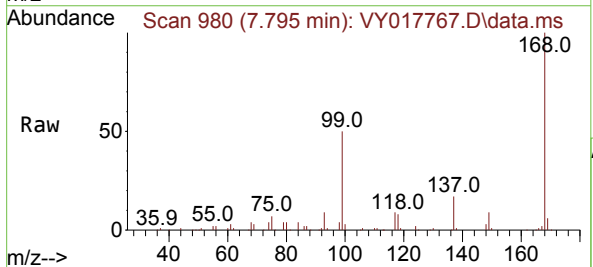
Instrument :
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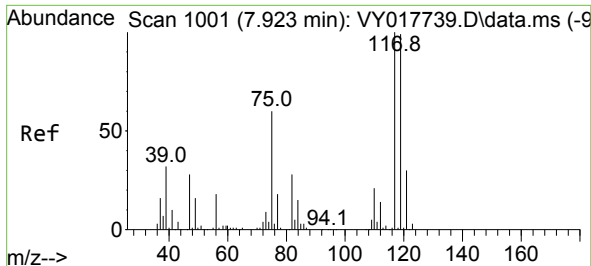
Tgt Ion:113 Resp: 76375
Ion Ratio Lower Upper
113 100
111 103.8 82.2 123.4
192 20.1 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.211 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.147 min
Lab File: VY017767.D
Acq: 26 Mar 2024 14:13

Tgt Ion: 75 Resp: 9108
Ion Ratio Lower Upper
75 100
110 7.4 19.0 57.0#
77 0.0 25.3 37.9#

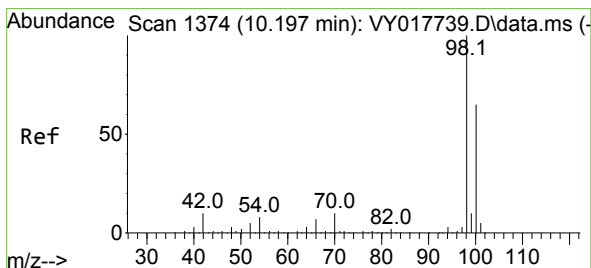
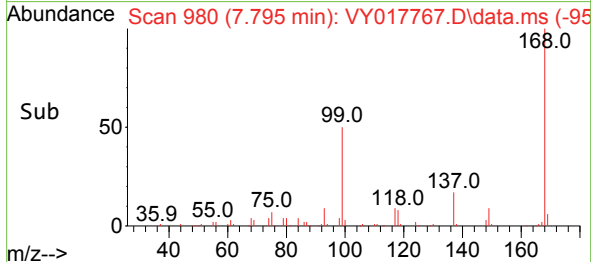
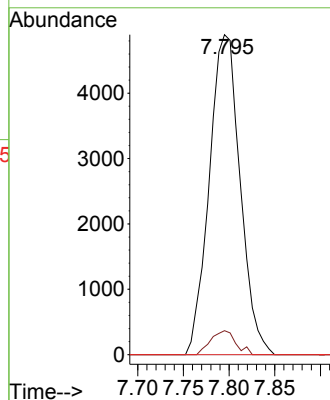
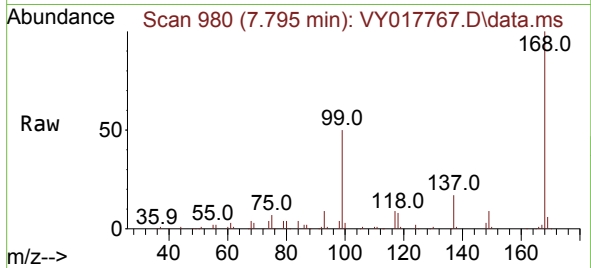




#38
Carbon Tetrachloride
Concen: 5.083 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY017767.D
Acq: 26 Mar 2024 14:13

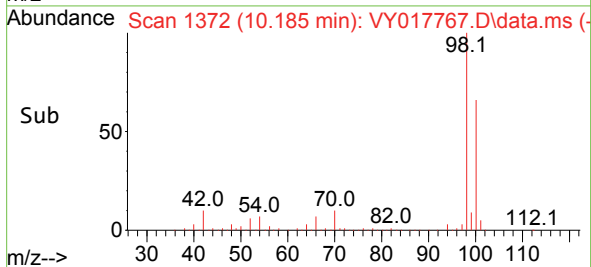
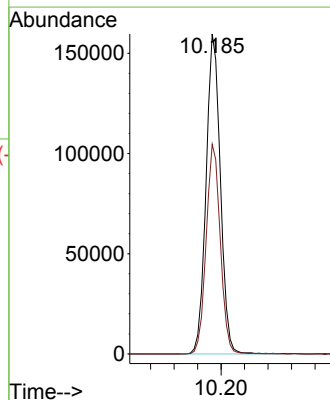
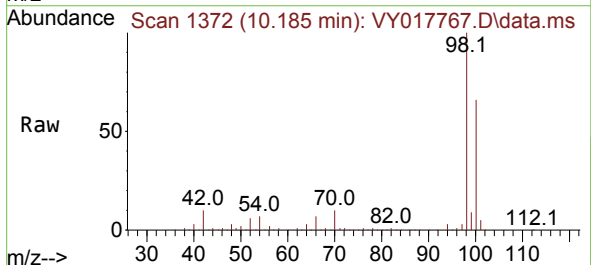
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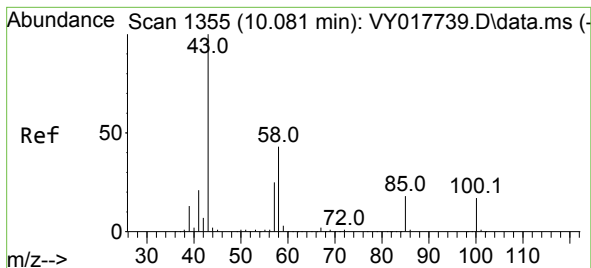
Tgt Ion:117 Resp: 11511
Ion Ratio Lower Upper
117 100
119 7.5 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 50.408 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.012 min
Lab File: VY017767.D
Acq: 26 Mar 2024 14:13

Tgt Ion: 98 Resp: 270087
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0

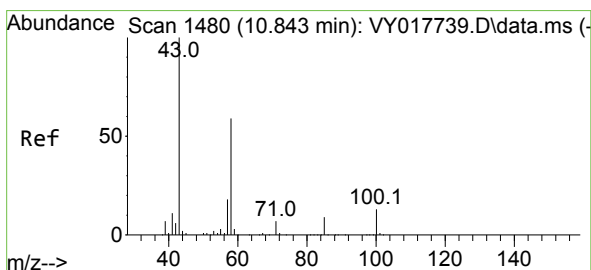
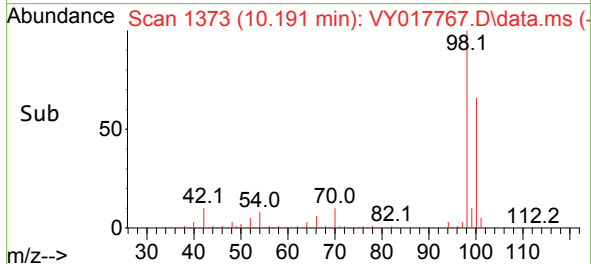
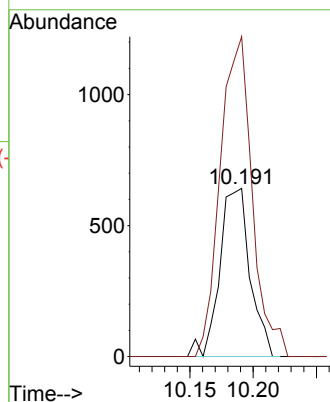
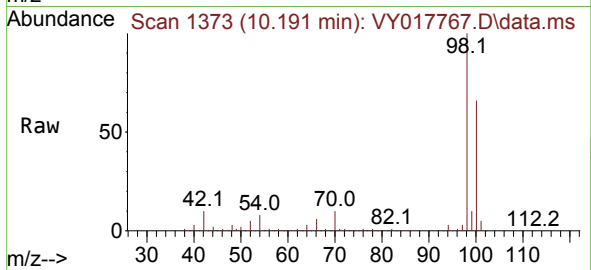




#51
4-Methyl-2-Pentanone
Concen: 6.824 ug/l
RT: 10.191 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY017767.D
Acq: 26 Mar 2024 14:13

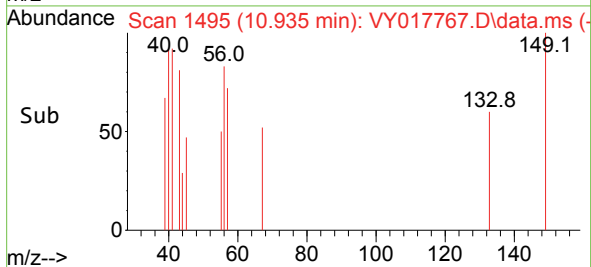
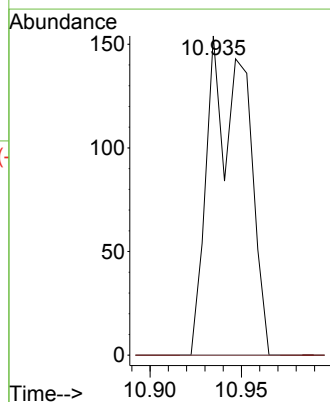
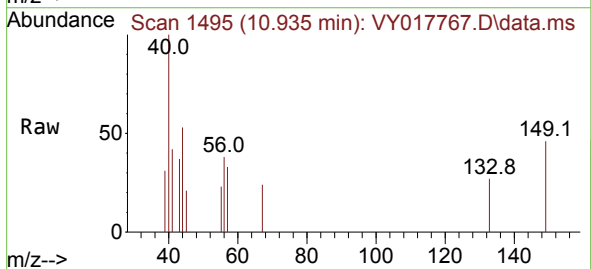
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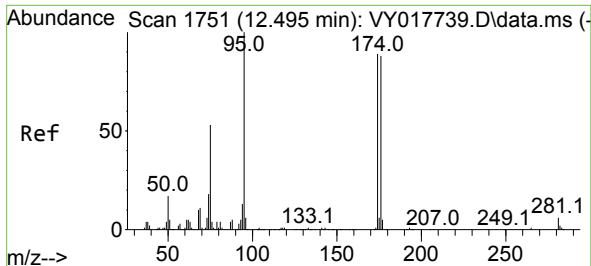
Tgt Ion: 43 Resp: 1070
Ion Ratio Lower Upper
43 100
58 200.3 35.7 53.5#



#59
2-Hexanone
Concen: 9.837 ug/l
RT: 10.935 min Scan# 1495
Delta R.T. 0.092 min
Lab File: VY017767.D
Acq: 26 Mar 2024 14:13

Tgt Ion: 43 Resp: 228
Ion Ratio Lower Upper
43 100
58 0.0 31.4 94.0#

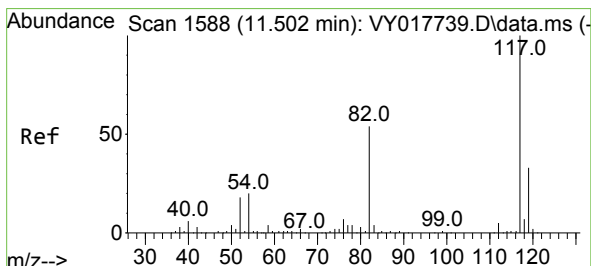
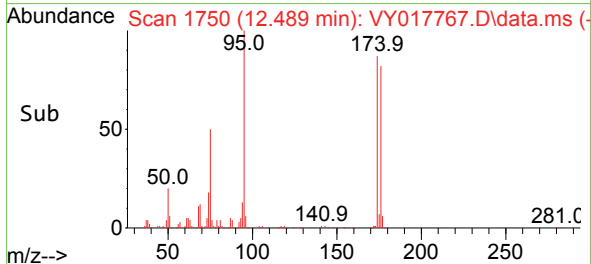
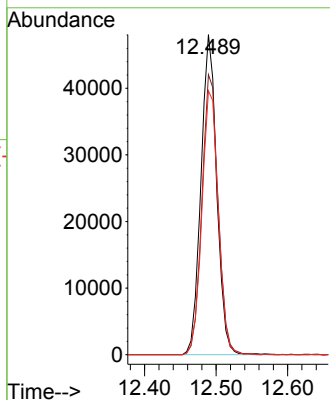
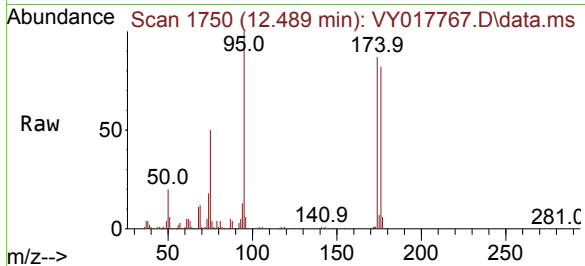




#62
4-Bromofluorobenzene
Concen: 45.697 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.006 min
Lab File: VY017767.D
Acq: 26 Mar 2024 14:13

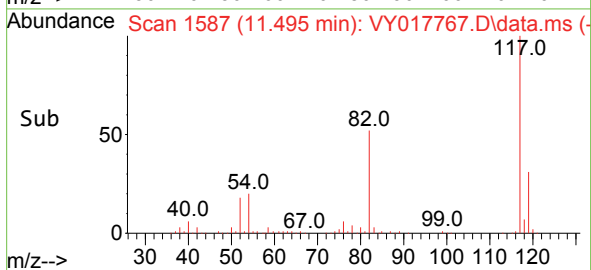
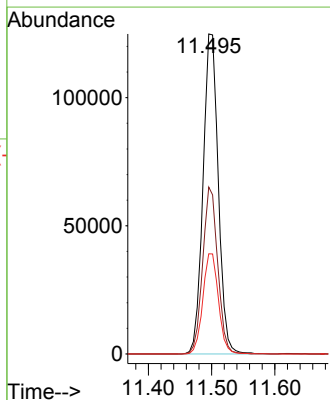
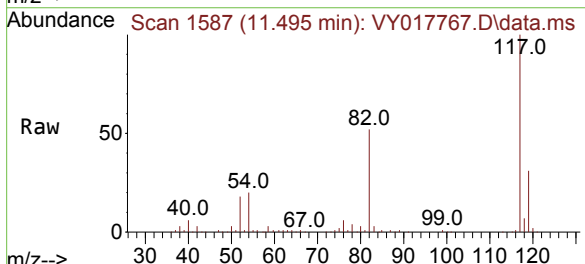
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-235

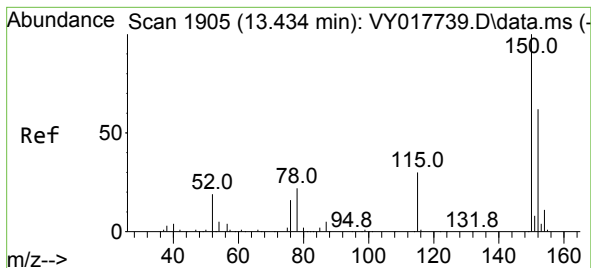
Tgt Ion: 95 Resp: 73522
Ion Ratio Lower Upper
95 100
174 90.3 0.0 175.6
176 86.2 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY017767.D
Acq: 26 Mar 2024 14:13

Tgt Ion: 117 Resp: 209963
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: VY017767.D

Acq: 26 Mar 2024 14:13

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-235

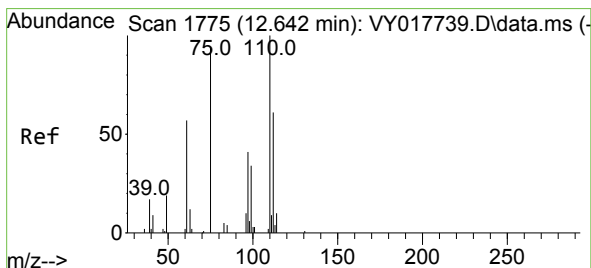
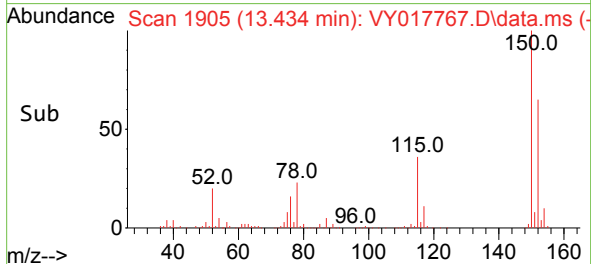
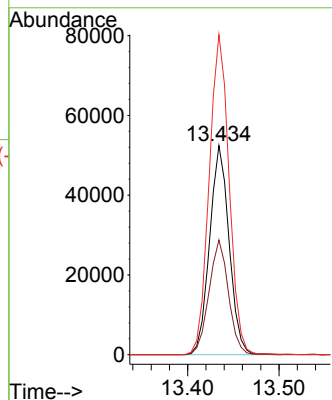
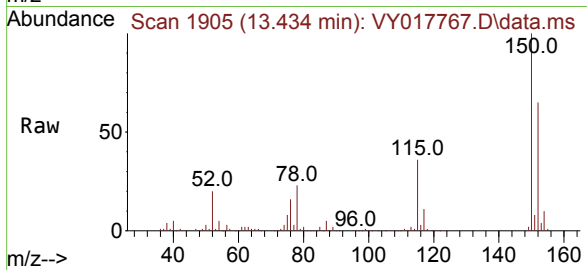
Tgt Ion:152 Resp: 77534

Ion Ratio Lower Upper

152 100

115 54.9 28.2 84.7

150 156.3 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 53.874 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.153 min

Lab File: VY017767.D

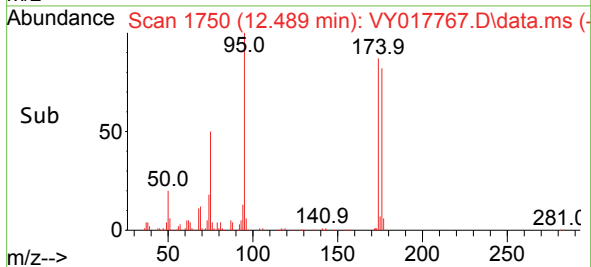
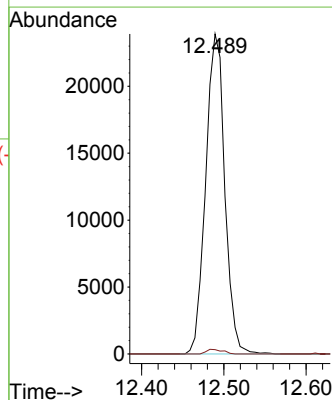
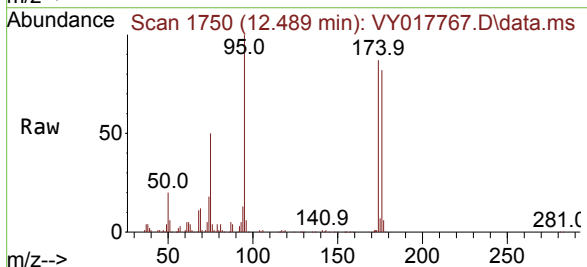
Acq: 26 Mar 2024 14:13

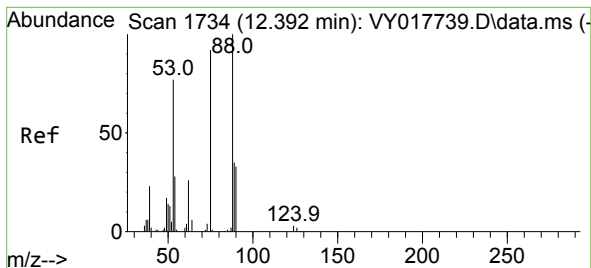
Tgt Ion: 75 Resp: 38573

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

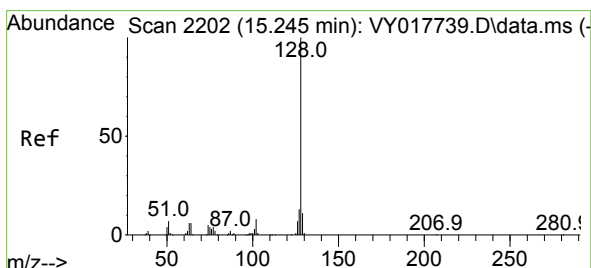
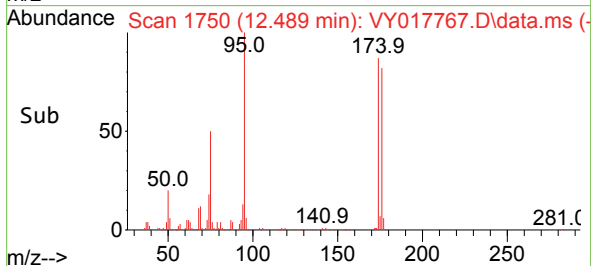
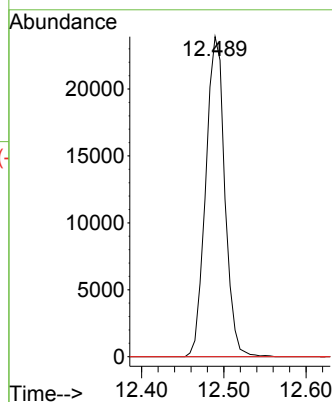
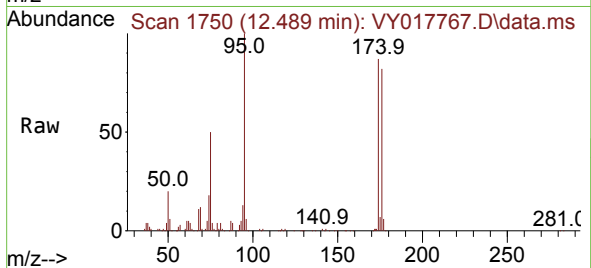




#81
trans-1,4-Dichloro-2-butene
Concen: 124.488 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.097 min
Lab File: VY017767.D
Acq: 26 Mar 2024 14:13

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-235

Tgt Ion: 75 Resp: 38573
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 3.662 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY017767.D
Acq: 26 Mar 2024 14:13

Tgt Ion:128 Resp: 2229
Ion Ratio Lower Upper
128 100
127 13.8 10.6 16.0
129 14.3 8.6 13.0#

