

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051724\
 Data File : VY018304.D
 Acq On : 17 May 2024 13:35
 Operator : SY/MD
 Sample : P2491-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-277

Quant Time: May 18 00:48:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 01:40:14 2024
 Response via : Initial Calibration

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

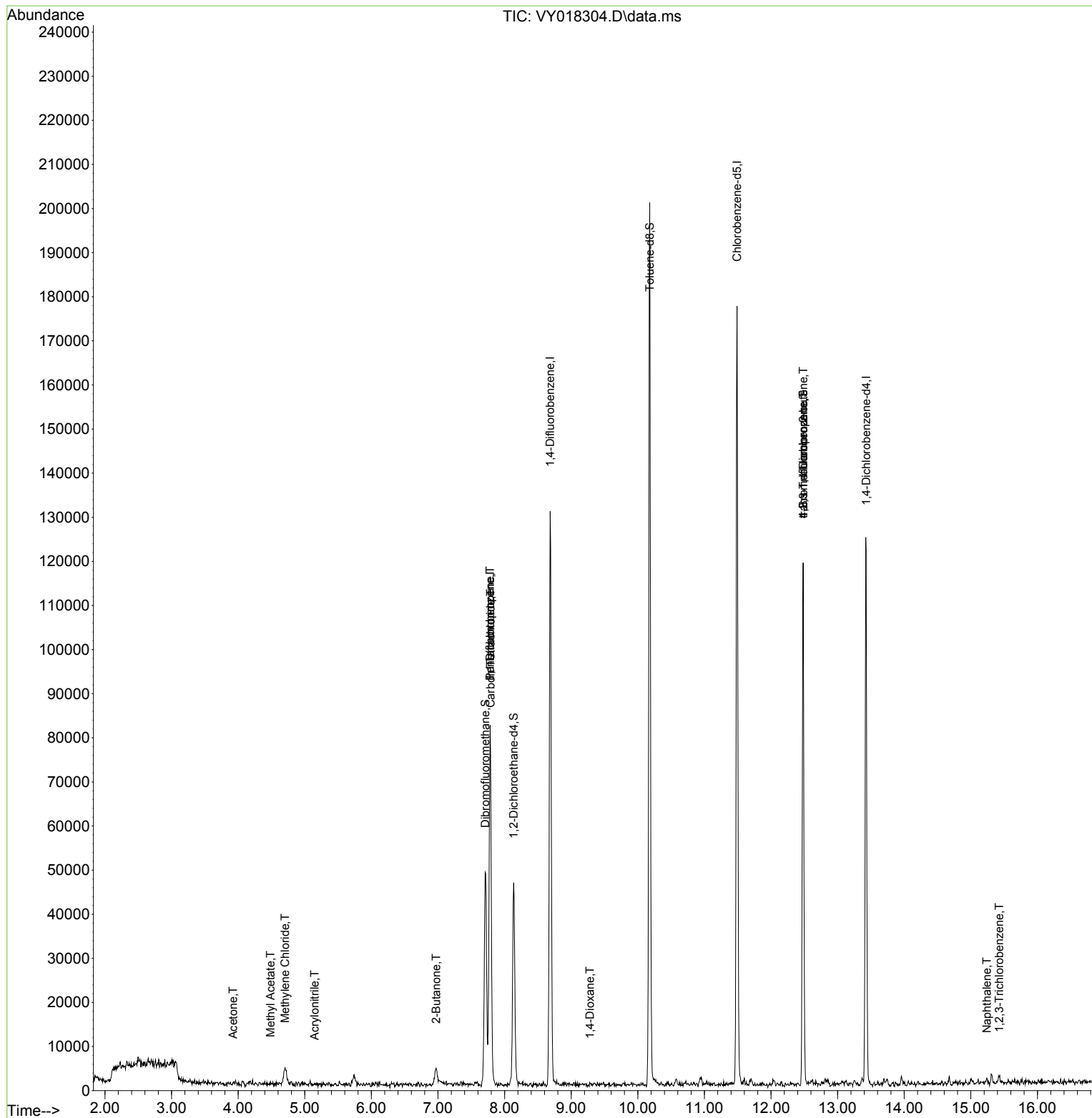
Internal Standards						
1) Pentafluorobenzene	7.783	168	60264	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	116171	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	98084	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	31991	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	33432	75.409	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 150.820%	
35) Dibromofluoromethane	7.710	113	35548	58.225	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.440%	
50) Toluene-d8	10.179	98	131460	54.641	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 109.280%	
62) 4-Bromofluorobenzene	12.483	95	36788	47.349	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.700%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	191	Below Cal	#	88
13) Acrolein	3.710	56	19	Below Cal	#	1
15) Acrylonitrile	5.149	53	162	1.409	ug/l #	54
16) Acetone	3.924	43	349	3.945	ug/l #	36
18) Methyl Acetate	4.485	43	265	1.051	ug/l #	46
20) Methylene Chloride	4.704	84	3147	5.032	ug/l #	87
25) 2-Butanone	6.972	43	222	1.570	ug/l #	76
31) Cyclohexane	7.789	56	1671	Below Cal	#	35
36) 1,1-Dichloropropene	7.783	75	5150	5.884	ug/l #	45
38) Carbon Tetrachloride	7.789	117	6063	6.340	ug/l #	19
49) 1,4-Dioxane	9.283	88	67	14.265	ug/l #	20
76) 1,2,3-Trichloropropane	12.483	75	18775	73.321	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	18775	141.264	ug/l #	16
95) Naphthalene	15.239	128	1112	1.180	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.428	180	469	1.111	ug/l	92

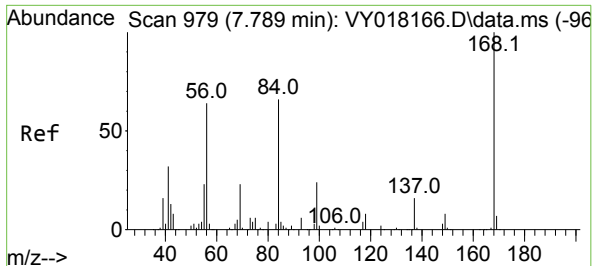
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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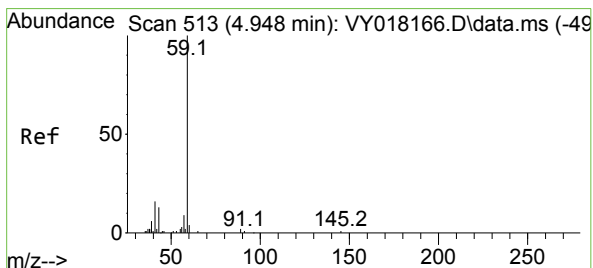
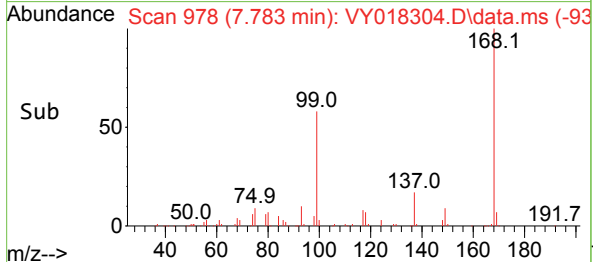
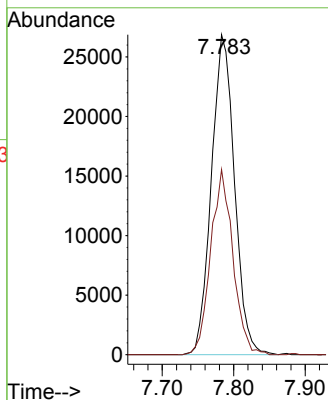
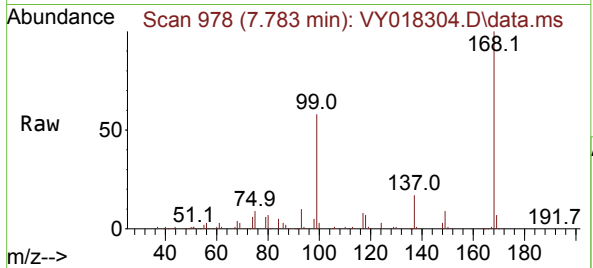




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018304.D
Acq: 17 May 2024 13:35

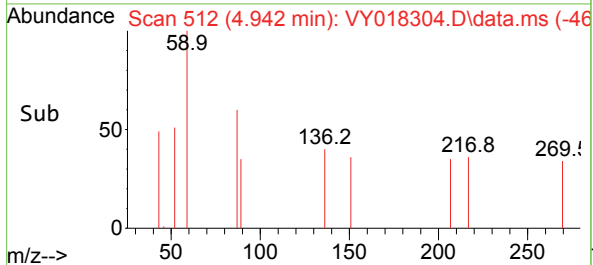
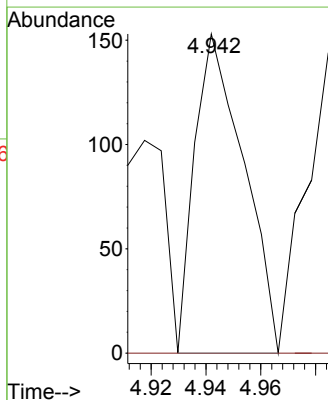
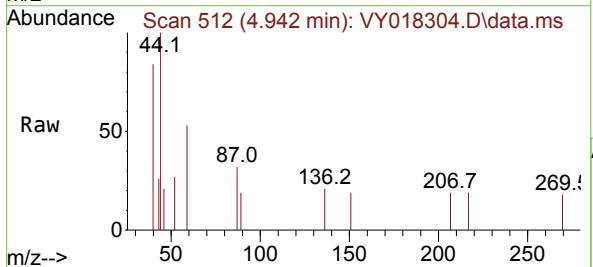
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-277

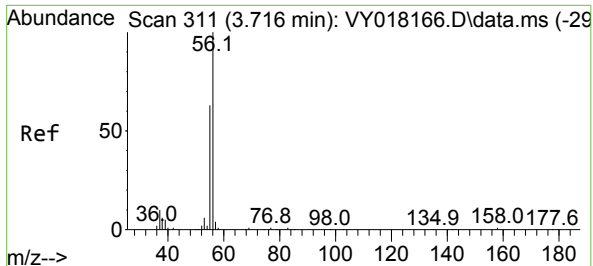
Tgt Ion:168 Resp: 60264
Ion Ratio Lower Upper
168 100
99 57.9 39.1 58.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY018304.D
Acq: 17 May 2024 13:35

Tgt Ion: 59 Resp: 191
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

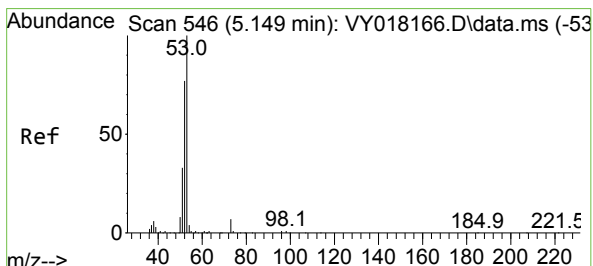
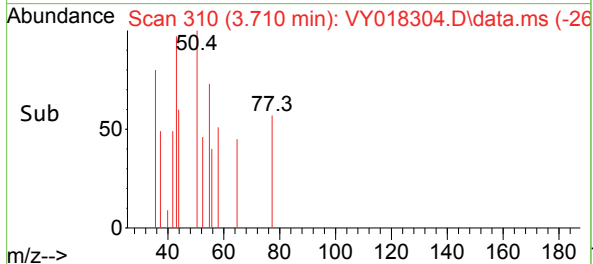
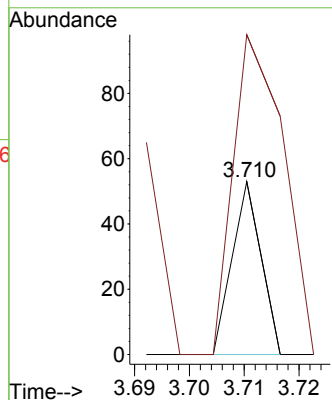
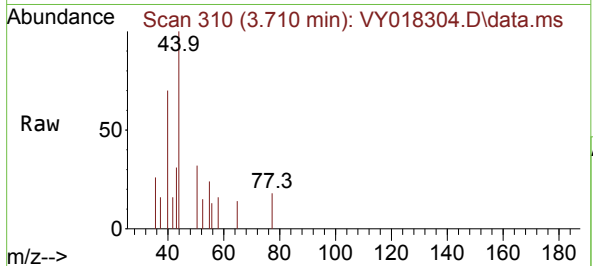




#13
Acrolein
Concen: Below Cal
RT: 3.710 min Scan# 311
Delta R.T. -0.006 min
Lab File: VY018304.D
Acq: 17 May 2024 13:35

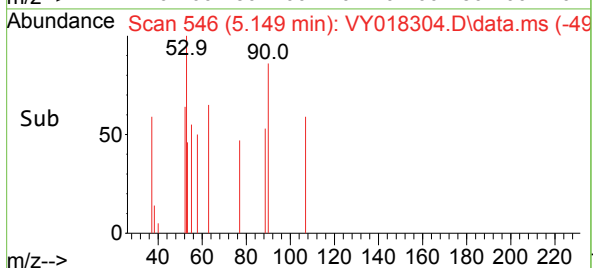
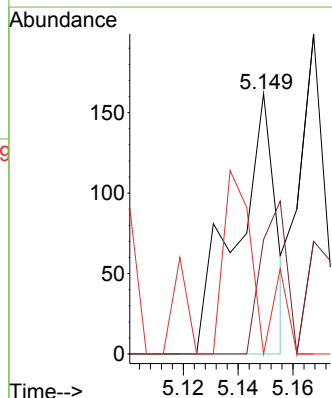
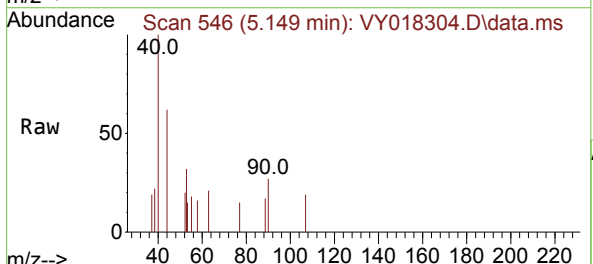
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-277

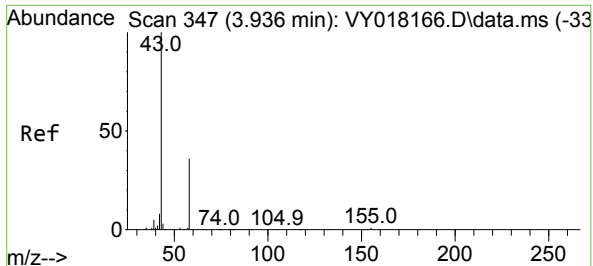
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 331.6 55.7 83.5#



#15
Acrylonitrile
Concen: 1.409 ug/l
RT: 5.149 min Scan# 546
Delta R.T. 0.000 min
Lab File: VY018304.D
Acq: 17 May 2024 13:35

Tgt Ion: 53 Resp: 162
Ion Ratio Lower Upper
53 100
52 37.7 64.7 97.1#
51 58.0 28.4 42.6#





#16

Acetone

Concen: 3.945 ug/l

RT: 3.924 min Scan# 347

Delta R.T. -0.012 min

Lab File: VY018304.D

Acq: 17 May 2024 13:35

Instrument :

MSVOA_Y

ClientSampleId :

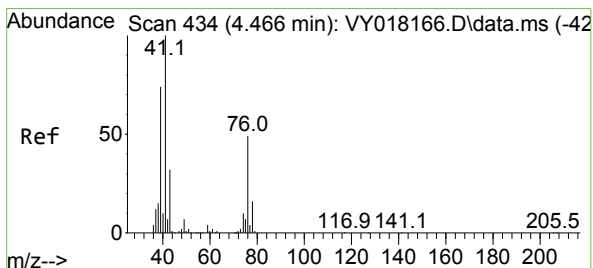
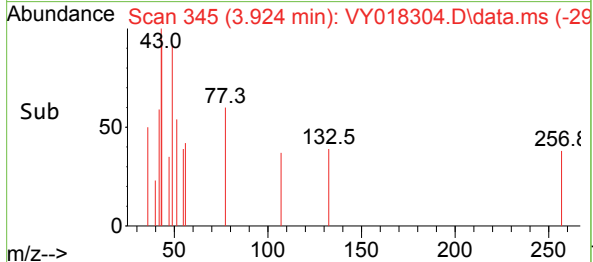
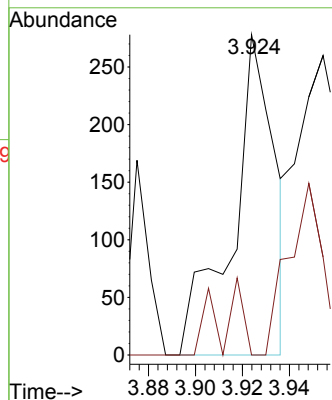
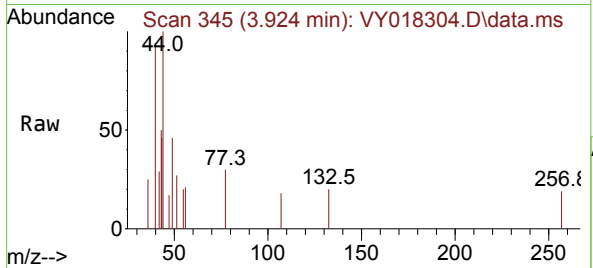
VNJ-277

Tgt Ion: 43 Resp: 349

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#



#18

Methyl Acetate

Concen: 1.051 ug/l

RT: 4.485 min Scan# 437

Delta R.T. 0.018 min

Lab File: VY018304.D

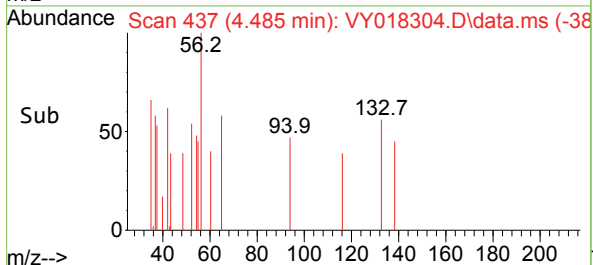
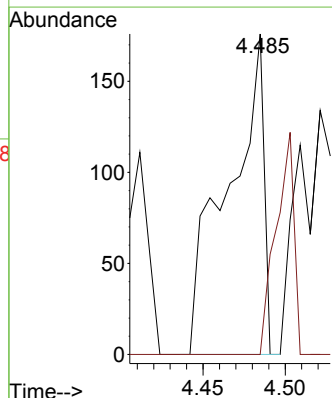
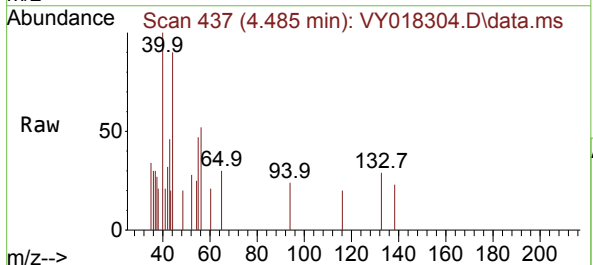
Acq: 17 May 2024 13:35

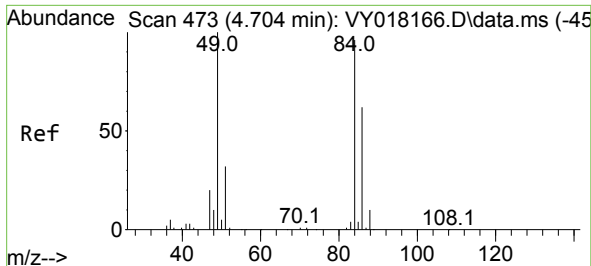
Tgt Ion: 43 Resp: 265

Ion Ratio Lower Upper

43 100

74 0.0 23.3 34.9#





#20

Methylene Chloride

Concen: 5.032 ug/l

RT: 4.704 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY018304.D

Acq: 17 May 2024 13:35

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-277

Tgt Ion: 84 Resp: 3147

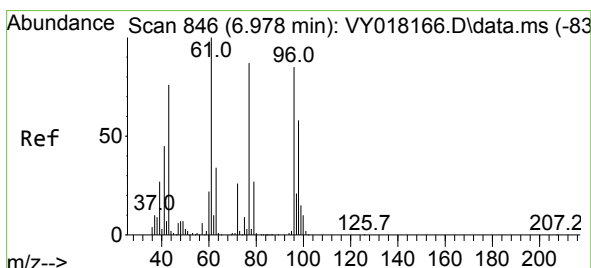
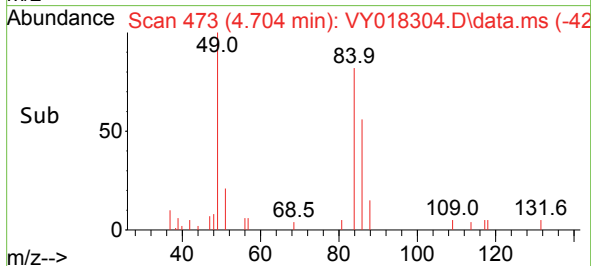
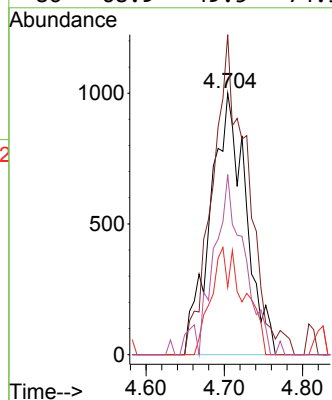
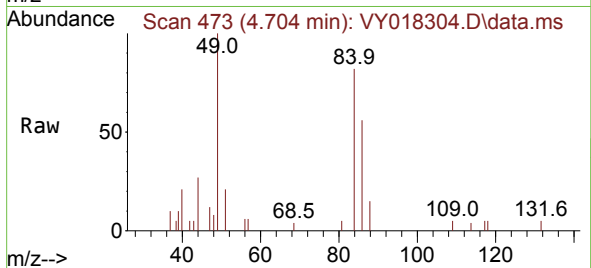
Ion Ratio Lower Upper

84 100

49 122.4 84.4 126.6

51 25.8 26.0 39.0#

86 68.9 49.5 74.3



#25

2-Butanone

Concen: 1.570 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY018304.D

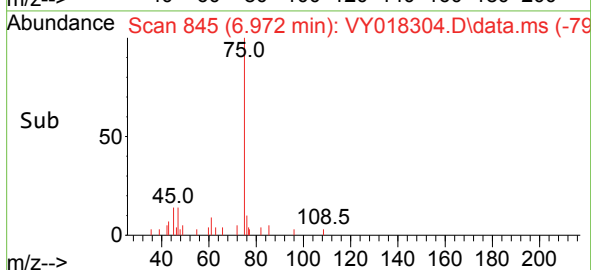
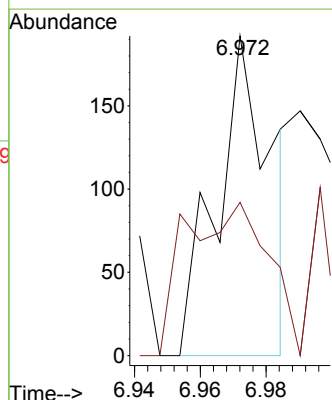
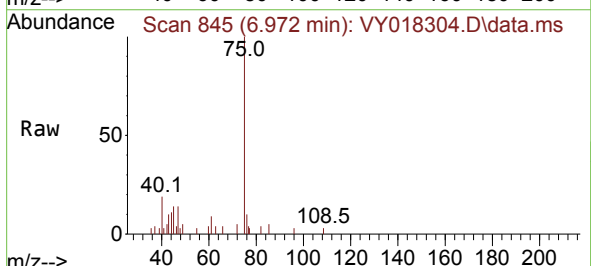
Acq: 17 May 2024 13:35

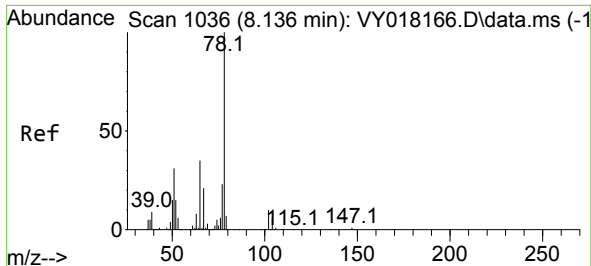
Tgt Ion: 43 Resp: 222

Ion Ratio Lower Upper

43 100

72 20.3 27.3 40.9#





#33

1,2-Dichloroethane-d4

Concen: 75.409 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY018304.D

Acq: 17 May 2024 13:35

Instrument :

MSVOA_Y

ClientSampleId :

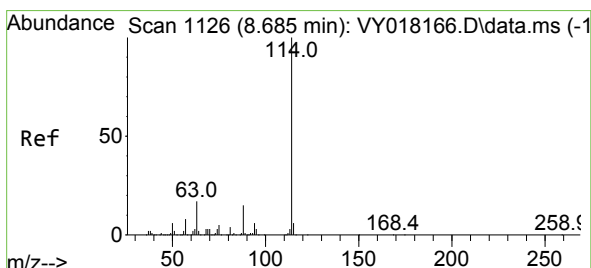
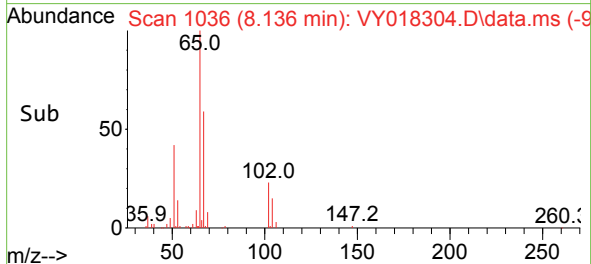
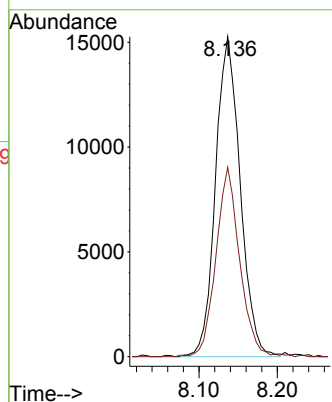
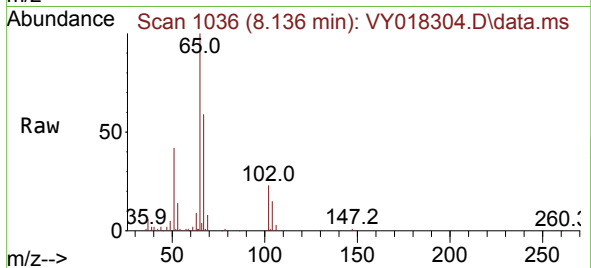
VNJ-277

Tgt Ion: 65 Resp: 33432

Ion Ratio Lower Upper

65 100

67 57.3 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY018304.D

Acq: 17 May 2024 13:35

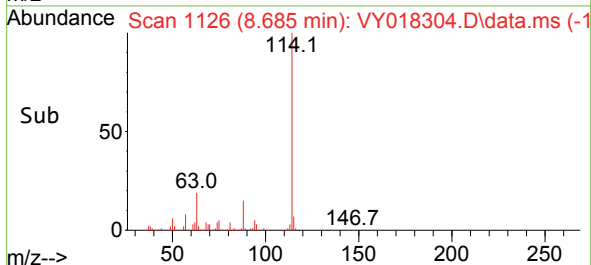
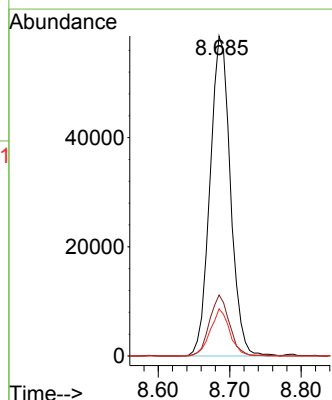
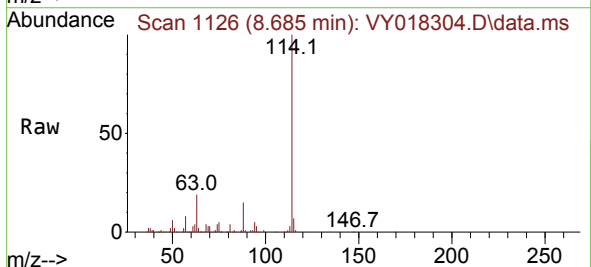
Tgt Ion: 114 Resp: 116171

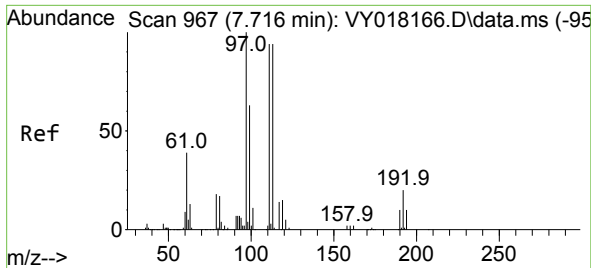
Ion Ratio Lower Upper

114 100

63 19.1 0.0 35.0

88 14.8 0.0 27.2

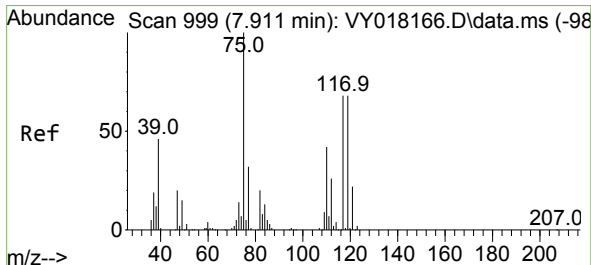
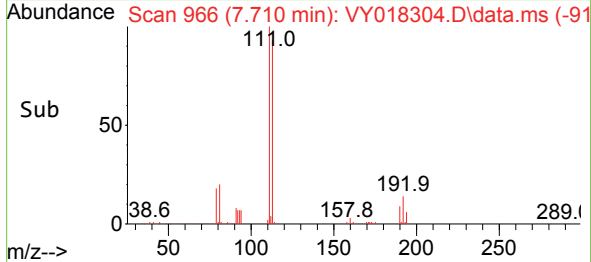
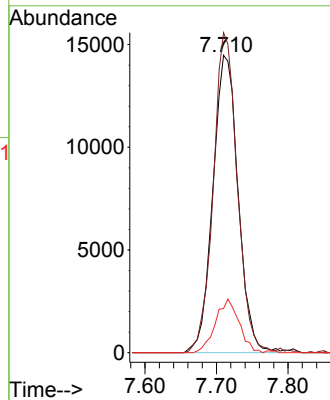
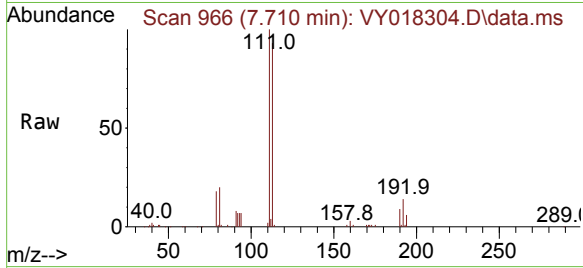




#35
Dibromofluoromethane
Concen: 58.225 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY018304.D
Acq: 17 May 2024 13:35

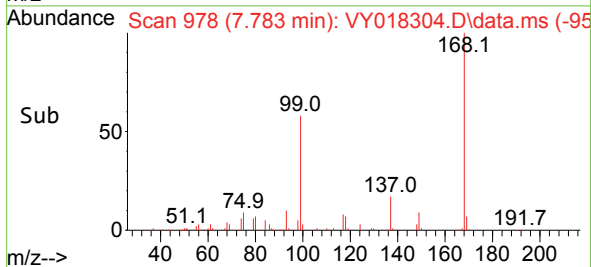
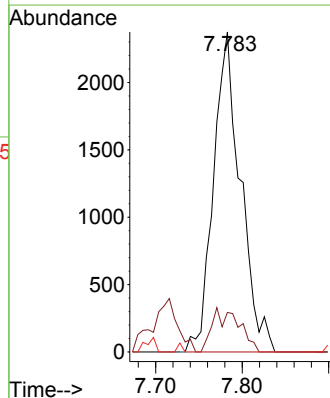
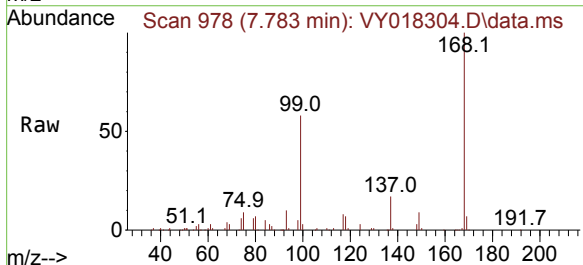
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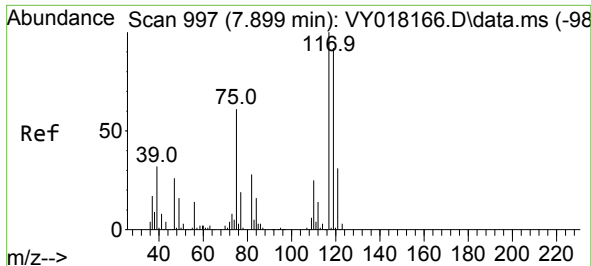
Tgt Ion:	113	Resp:	35548
Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.2	123.4
192	16.9	15.9	23.9



#36
1,1-Dichloropropene
Concen: 5.884 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY018304.D
Acq: 17 May 2024 13:35

Tgt Ion:	75	Resp:	5150
Ion	Ratio	Lower	Upper
75	100		
110	5.7	19.0	57.0#
77	0.0	25.3	37.9#

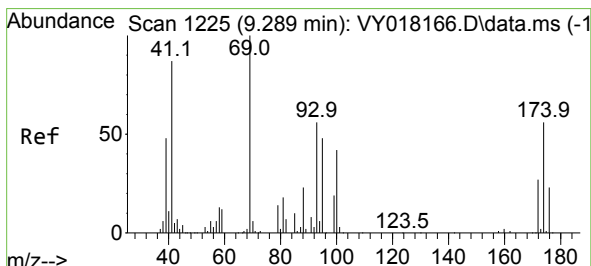
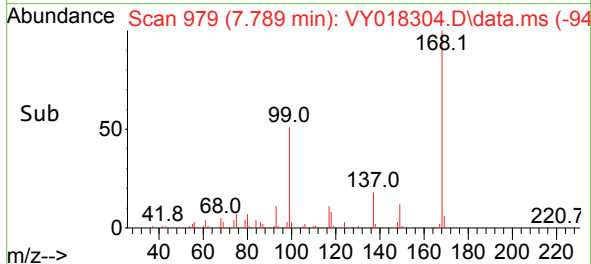
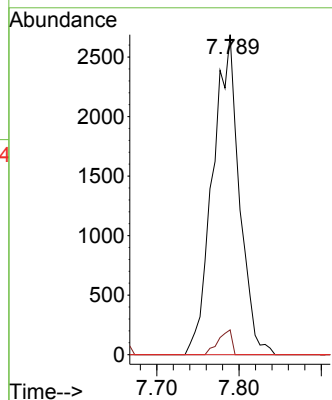
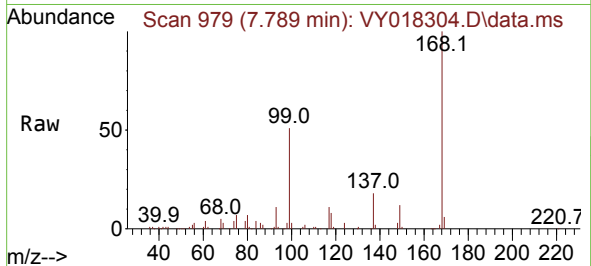




#38
Carbon Tetrachloride
Concen: 6.340 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY018304.D
Acq: 17 May 2024 13:35

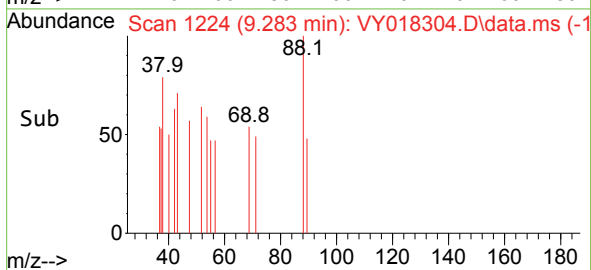
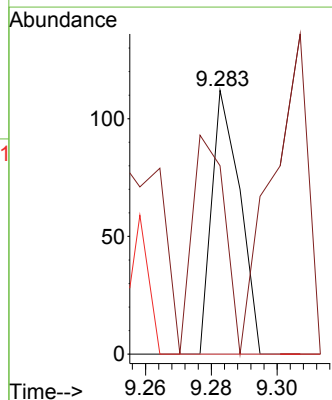
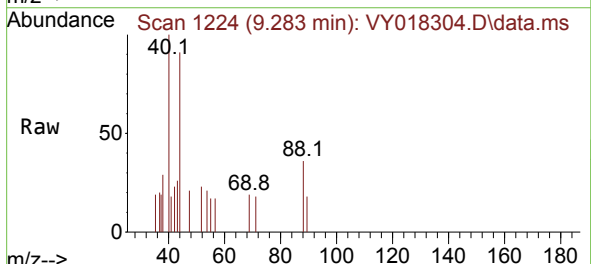
Instrument :
MSVOA_Y
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VNJ-277

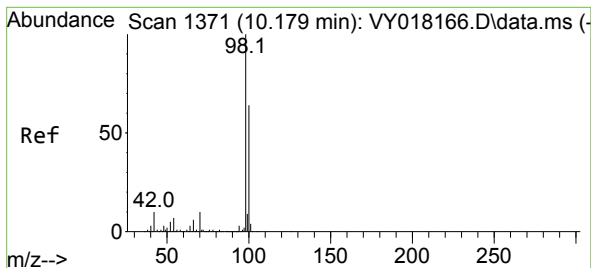
Tgt Ion:117 Resp: 6063
Ion Ratio Lower Upper
117 100
119 7.7 75.8 113.6#
121 0.0 24.0 36.0#



#49
1,4-Dioxane
Concen: 14.265 ug/l
RT: 9.283 min Scan# 1224
Delta R.T. -0.006 min
Lab File: VY018304.D
Acq: 17 May 2024 13:35

Tgt Ion: 88 Resp: 67
Ion Ratio Lower Upper
88 100
43 94.0 0.0 0.0#
58 0.0 49.3 73.9#

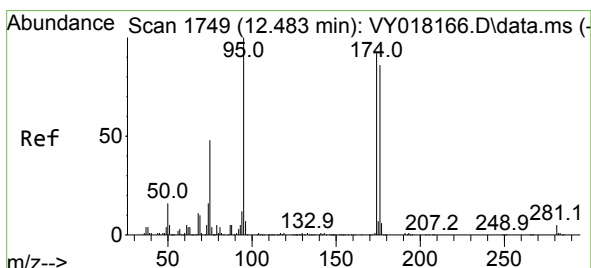
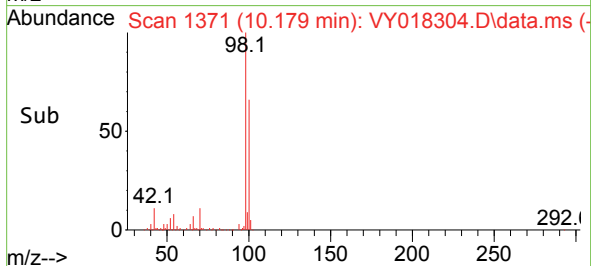
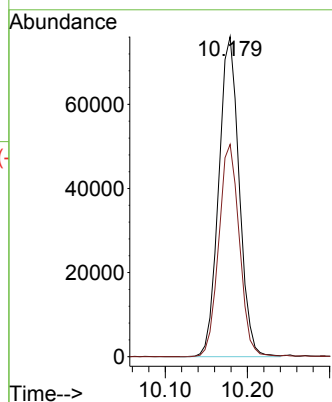
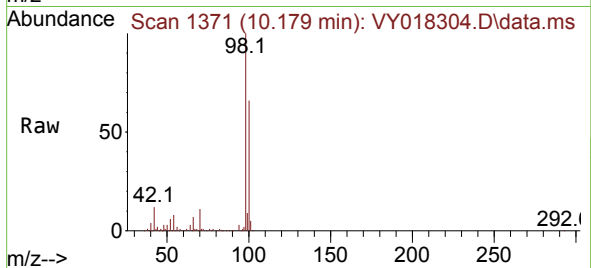




#50
Toluene-d8
Concen: 54.641 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY018304.D
Acq: 17 May 2024 13:35

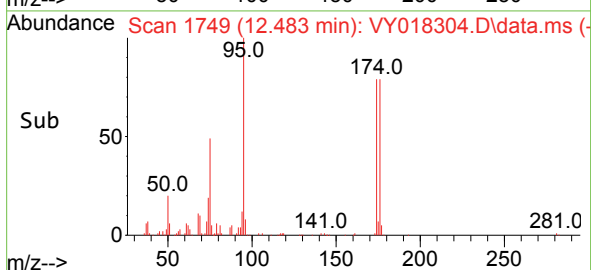
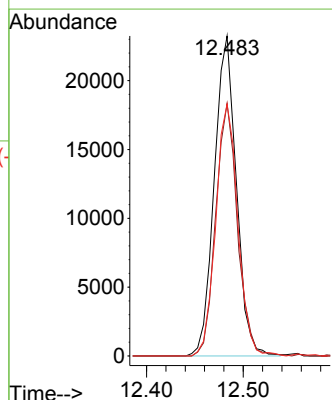
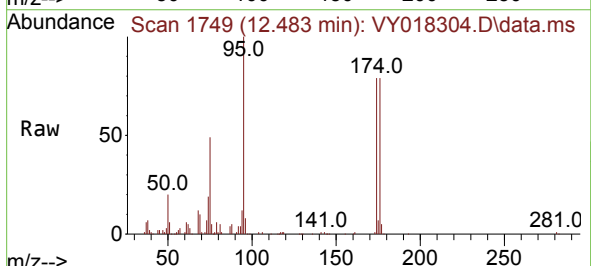
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-277

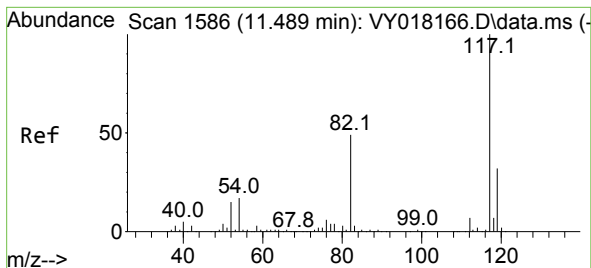
Tgt Ion: 98 Resp: 131460
Ion Ratio Lower Upper
98 100
100 66.8 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 47.349 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY018304.D
Acq: 17 May 2024 13:35

Tgt Ion: 95 Resp: 36788
Ion Ratio Lower Upper
95 100
174 77.7 0.0 175.6
176 78.8 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY018304.D

Acq: 17 May 2024 13:35

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-277

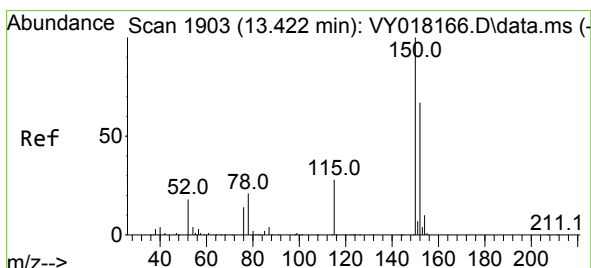
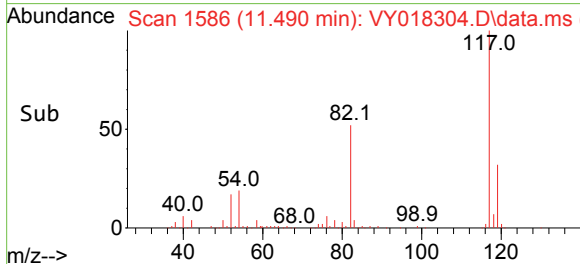
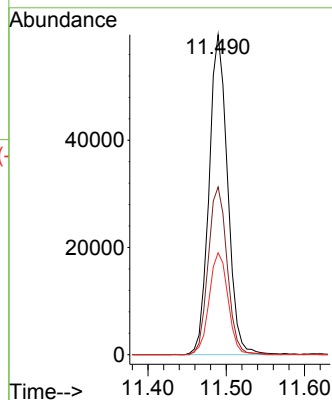
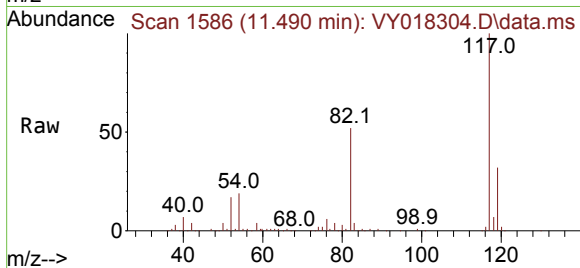
Tgt Ion:117 Resp: 98084

Ion Ratio Lower Upper

117 100

82 52.4 42.4 63.6

119 31.9 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: VY018304.D

Acq: 17 May 2024 13:35

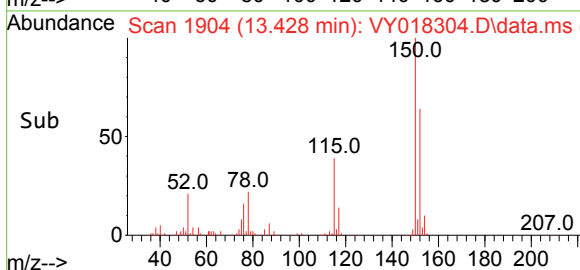
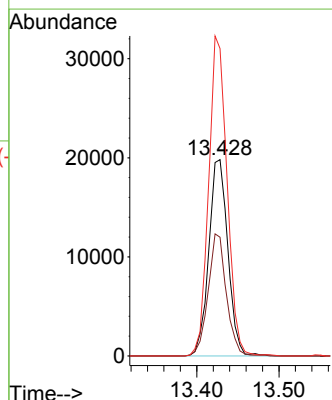
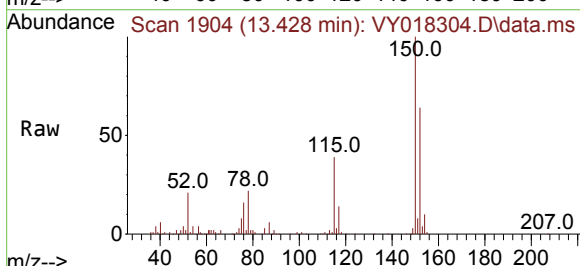
Tgt Ion:152 Resp: 31991

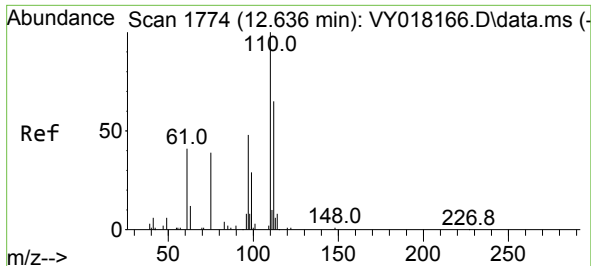
Ion Ratio Lower Upper

152 100

115 59.5 28.2 84.7

150 157.0 0.0 345.6

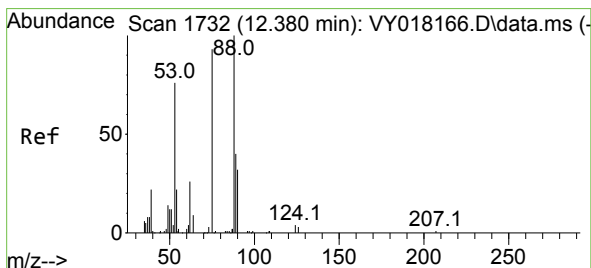
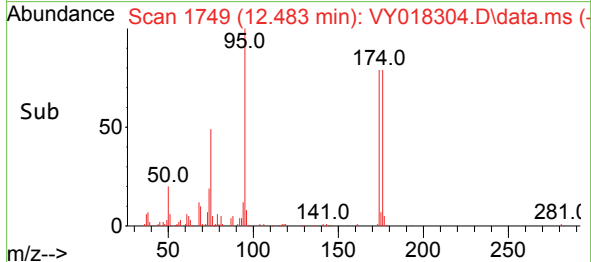
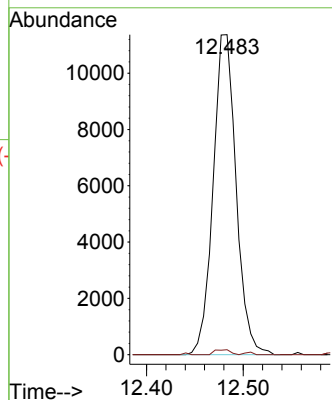
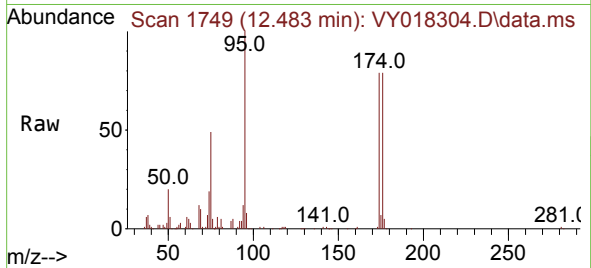




#76
 1,2,3-Trichloropropane
 Concen: 73.321 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY018304.D
 Acq: 17 May 2024 13:35

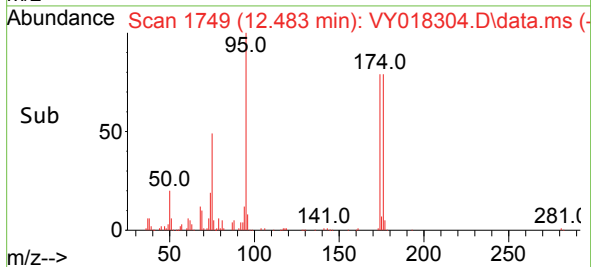
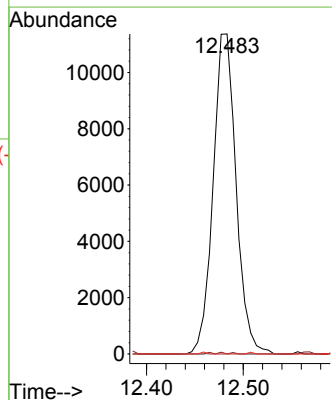
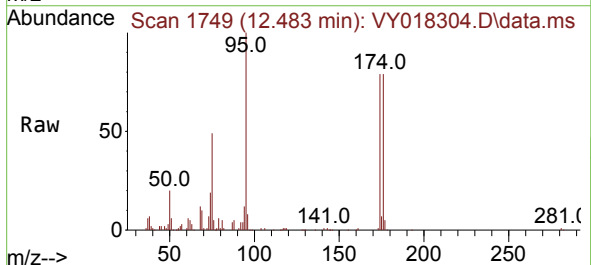
Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-277

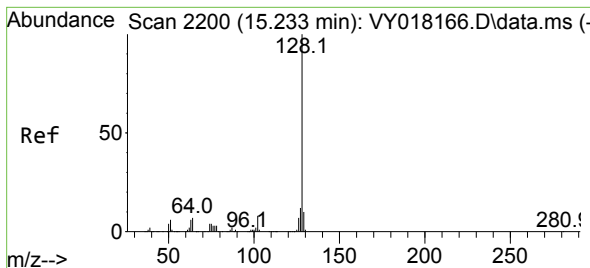
Tgt Ion: 75 Resp: 18775
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 141.264 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.104 min
 Lab File: VY018304.D
 Acq: 17 May 2024 13:35

Tgt Ion: 75 Resp: 18775
 Ion Ratio Lower Upper
 75 100
 53 0.2 66.8 100.2#
 89 0.0 35.8 53.6#





#95

Naphthalene

Concen: 1.180 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY018304.D

Acq: 17 May 2024 13:35

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-277

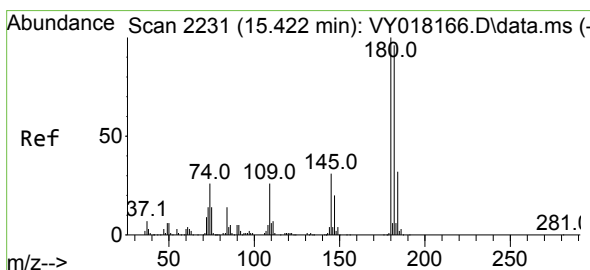
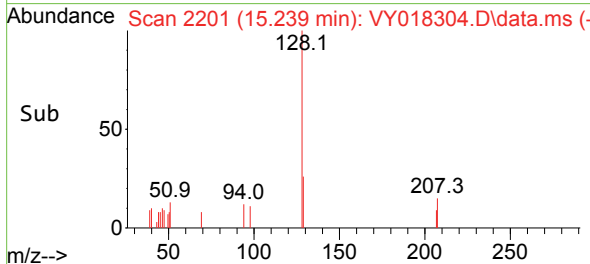
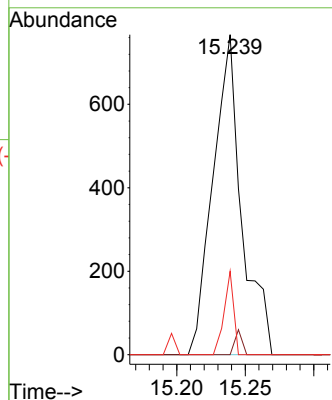
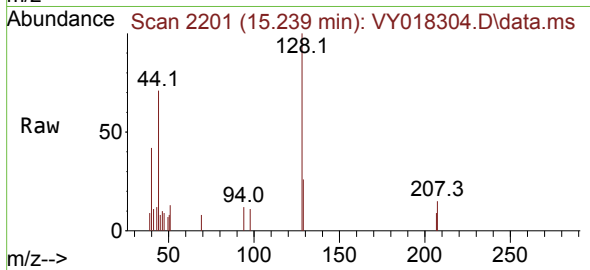
Tgt Ion:128 Resp: 1112

Ion Ratio Lower Upper

128 100

127 2.0 10.6 16.0#

129 8.6 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 1.111 ug/l

RT: 15.428 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY018304.D

Acq: 17 May 2024 13:35

Tgt Ion:180 Resp: 469

Ion Ratio Lower Upper

180 100

182 100.9 47.6 142.9

145 38.4 15.4 46.1

