

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032724\
 Data File : VY017780.D
 Acq On : 27 Mar 2024 14:48
 Operator : SY/MD
 Sample : P1874-02
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-209

Quant Time: Mar 28 02:17:08 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)

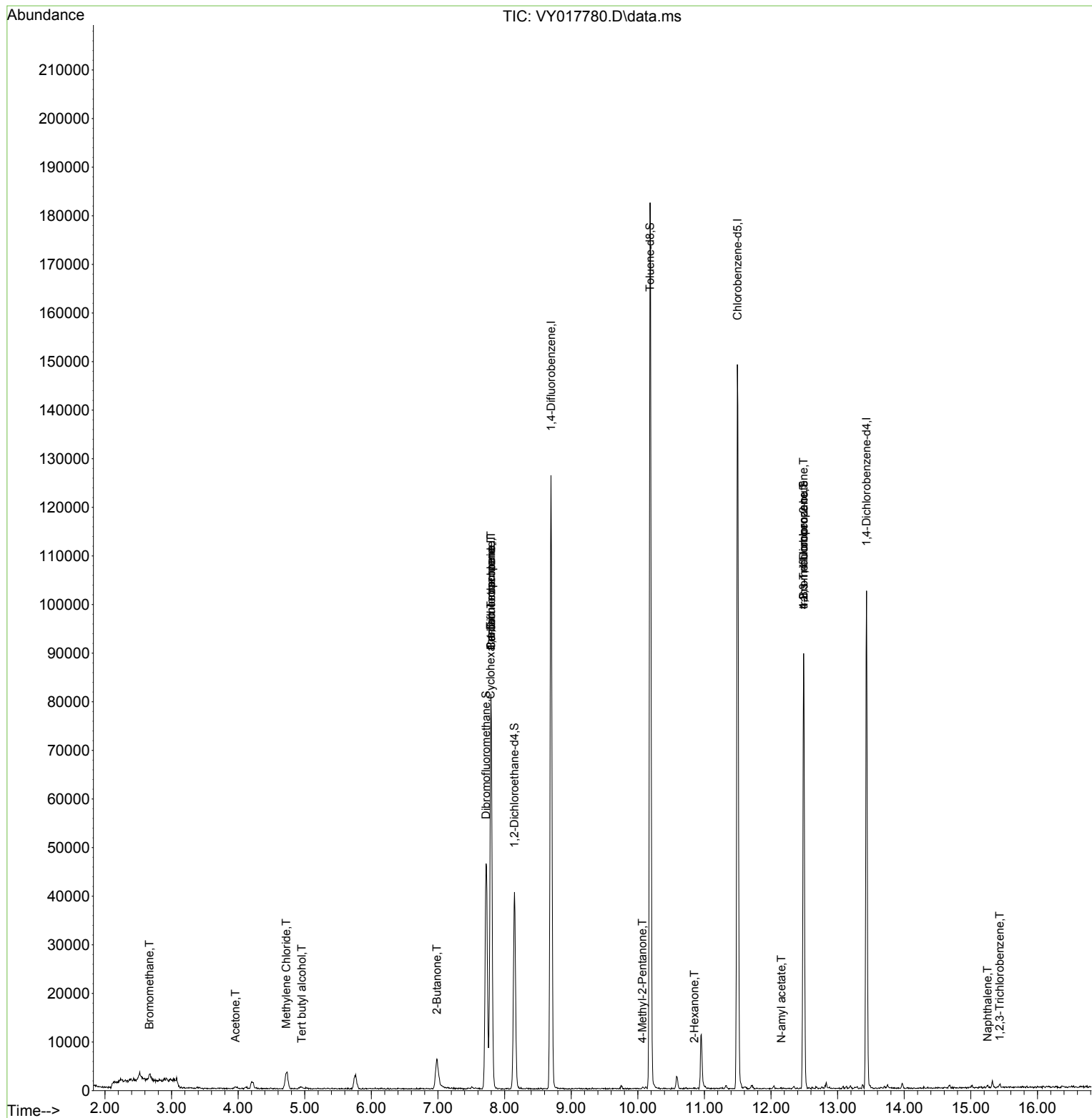
Internal Standards						
1) Pentafluorobenzene	7.795	168	62333	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	8.697	114	105967	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.496	117	81998	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	25730	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	31446	57.908	ug/l	-0.01
Spiked Amount	50.000	Range 50 - 163	Recovery	=	115.820%	
35) Dibromofluoromethane	7.722	113	34153	53.918	ug/l	-0.02
Spiked Amount	50.000	Range 54 - 147	Recovery	=	107.840%	
50) Toluene-d8	10.185	98	121098	49.952	ug/l	-0.01
Spiked Amount	50.000	Range 58 - 134	Recovery	=	99.900%	
62) 4-Bromofluorobenzene	12.489	95	26913	36.970	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	=	73.940%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.668	94	775	1.178	ug/l	88
11) Tert butyl alcohol	4.954	59	155	4.291	ug/l #	88
16) Acetone	3.960	43	600	6.317	ug/l #	36
20) Methylene Chloride	4.722	84	2623	3.797	ug/l	89
25) 2-Butanone	6.984	43	372	10.202	ug/l #	41
31) Cyclohexane	7.789	56	1566	1.458	ug/l #	65
36) 1,1-Dichloropropene	7.795	75	5156	5.269	ug/l #	48
38) Carbon Tetrachloride	7.795	117	5850	5.709	ug/l #	18
51) 4-Methyl-2-Pentanone	10.069	43	290	6.349	ug/l #	55
59) 2-Hexanone	10.849	43	137	9.953	ug/l #	19
74) N-amyl acetate	12.154	43	70	2.482	ug/l #	50
76) 1,2,3-Trichloropropane	12.489	75	13894	58.476	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	13894	135.121	ug/l #	16
95) Naphthalene	15.251	128	518	3.346	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.434	180	307	1.034	ug/l #	76

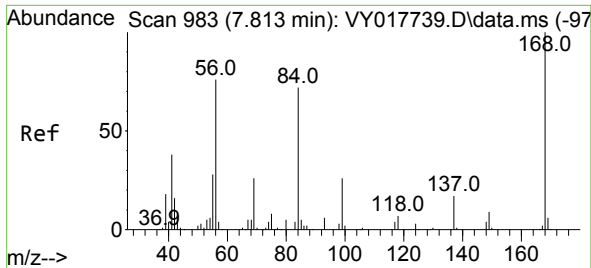
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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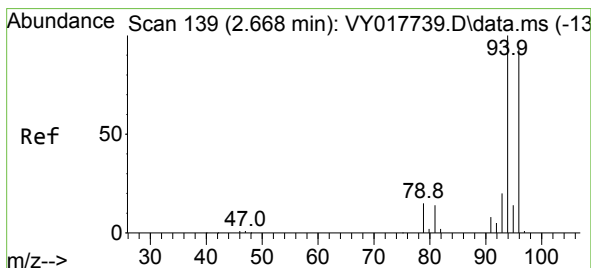
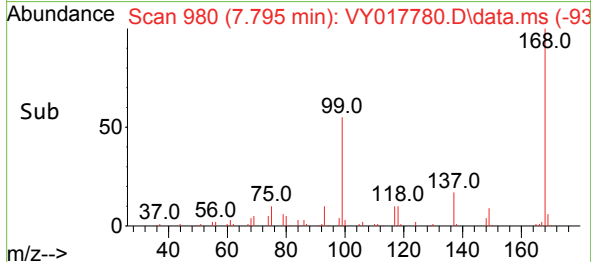
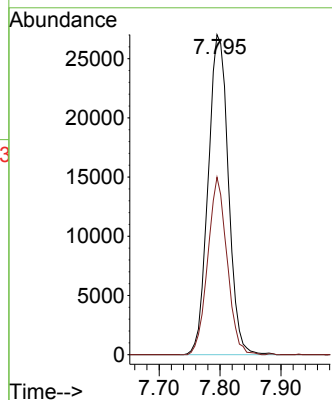
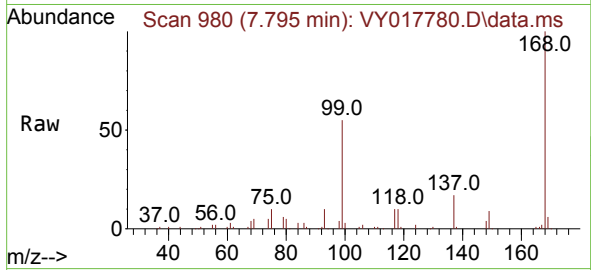




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.018 min
Lab File: VY017780.D
Acq: 27 Mar 2024 14:48

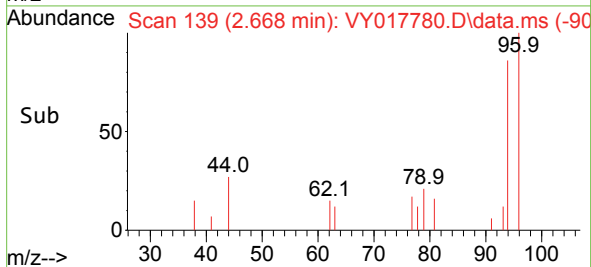
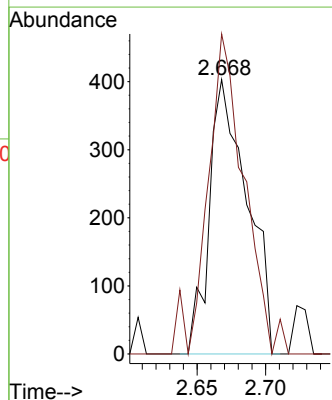
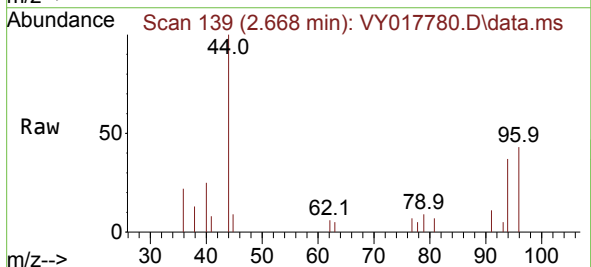
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-209

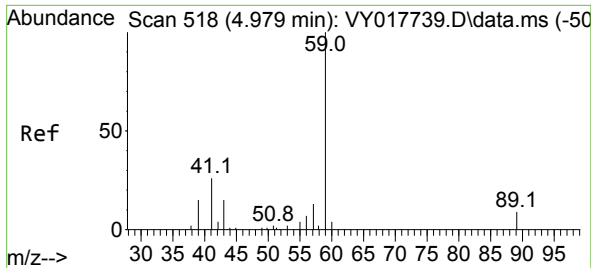
Tgt Ion:168 Resp: 62333
Ion Ratio Lower Upper
168 100
99 55.5 39.1 58.7



#5
Bromomethane
Concen: 1.178 ug/l
RT: 2.668 min Scan# 139
Delta R.T. -0.000 min
Lab File: VY017780.D
Acq: 27 Mar 2024 14:48

Tgt Ion: 94 Resp: 775
Ion Ratio Lower Upper
94 100
96 104.0 74.1 111.1

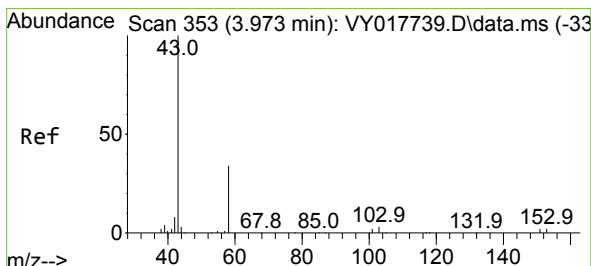
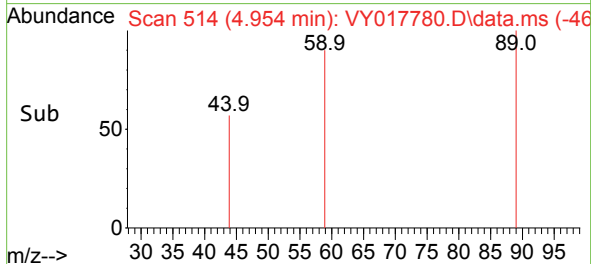
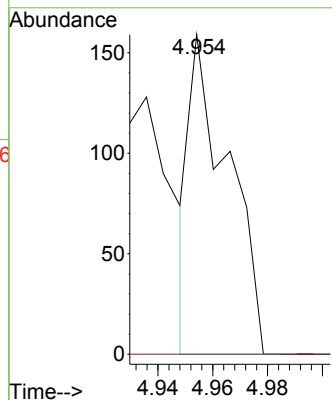
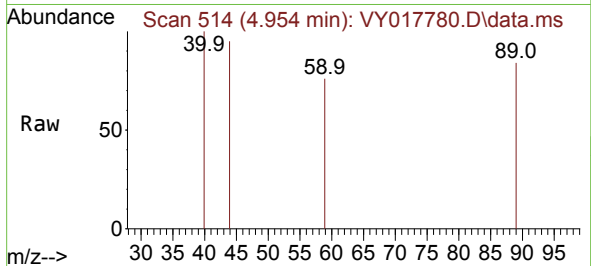




#11
Tert butyl alcohol
Concen: 4.291 ug/l
RT: 4.954 min Scan# 514
Delta R.T. -0.024 min
Lab File: VY017780.D
Acq: 27 Mar 2024 14:48

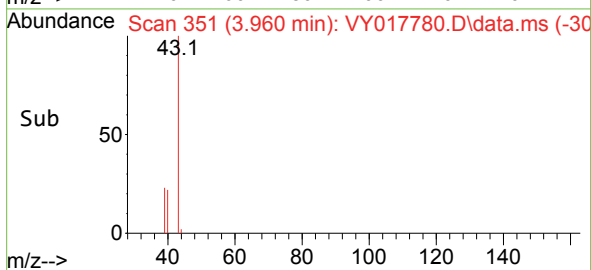
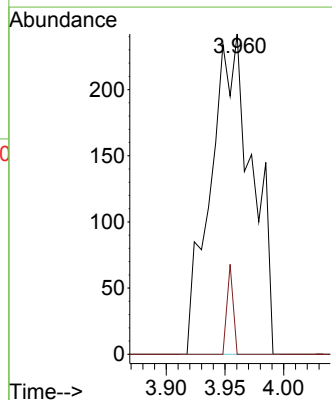
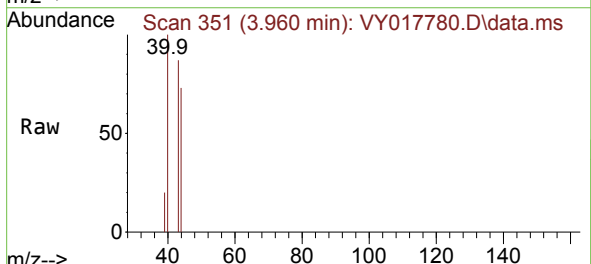
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-209

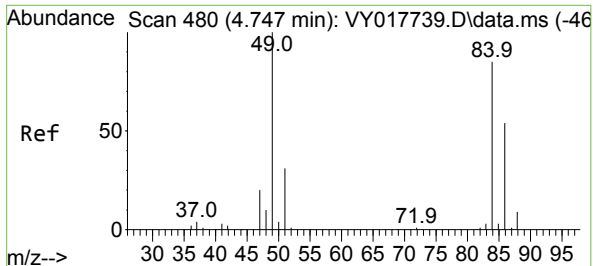
Tgt Ion: 59 Resp: 155
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#



#16
Acetone
Concen: 6.317 ug/l
RT: 3.960 min Scan# 351
Delta R.T. -0.012 min
Lab File: VY017780.D
Acq: 27 Mar 2024 14:48

Tgt Ion: 43 Resp: 600
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#



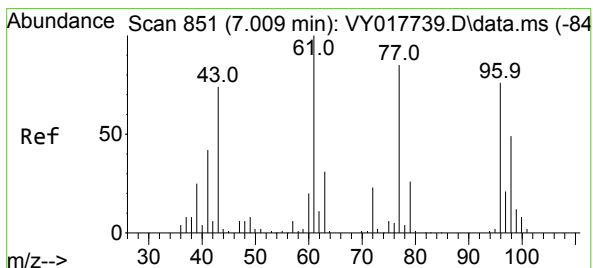
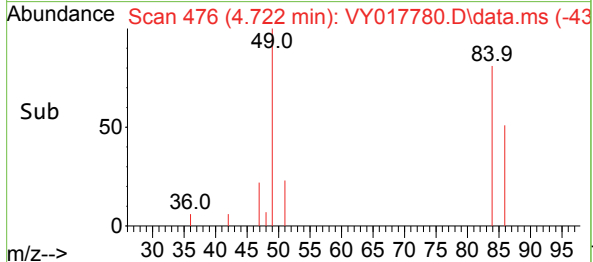
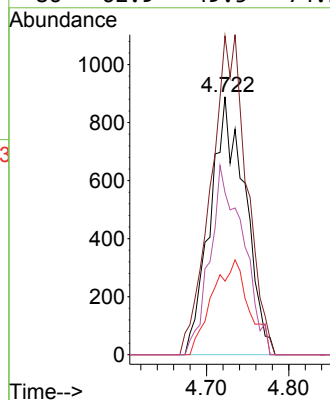
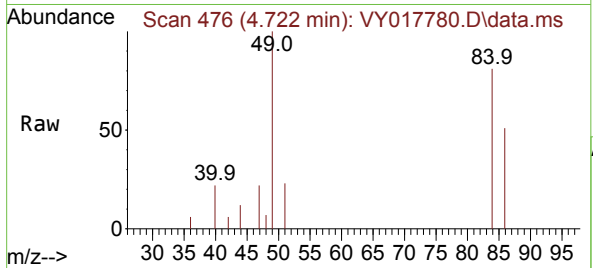


#20
Methylene Chloride
Concen: 3.797 ug/l
RT: 4.722 min Scan# 41
Delta R.T. -0.024 min
Lab File: VY017780.D
Acq: 27 Mar 2024 14:48

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-209

Tgt Ion: 84 Resp: 2623

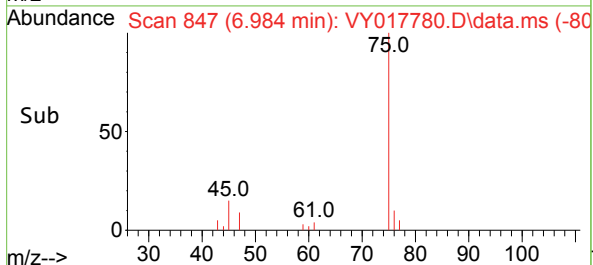
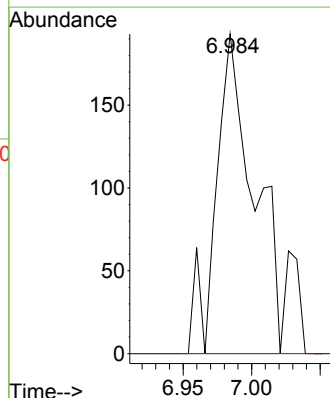
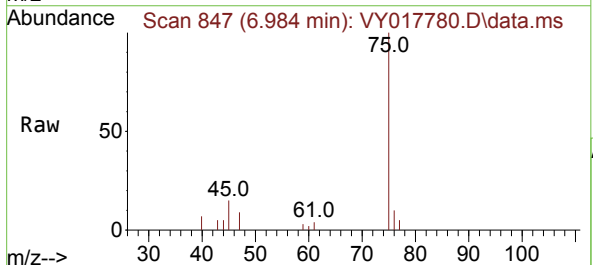
Ion	Ratio	Lower	Upper
84	100		
49	123.5	84.4	126.6
51	28.6	26.0	39.0
86	62.9	49.5	74.3

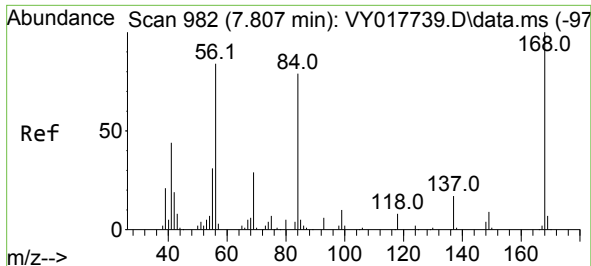


#25
2-Butanone
Concen: 10.202 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.025 min
Lab File: VY017780.D
Acq: 27 Mar 2024 14:48

Tgt Ion: 43 Resp: 372

Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.3	40.9#

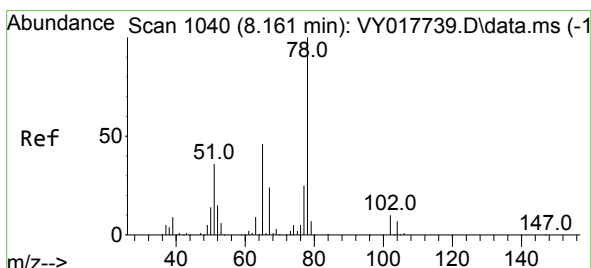
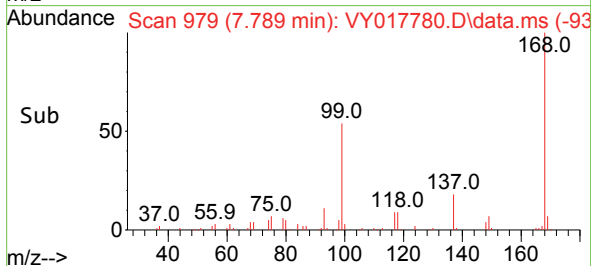
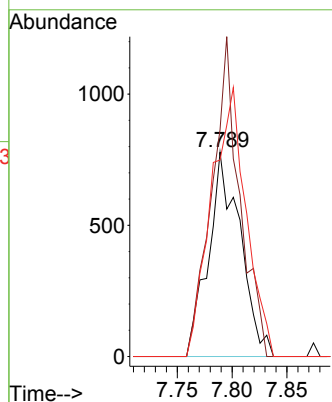
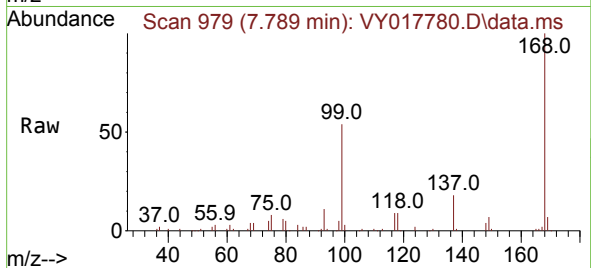




#31
Cyclohexane
Concen: 1.458 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.018 min
Lab File: VY017780.D
Acq: 27 Mar 2024 14:48

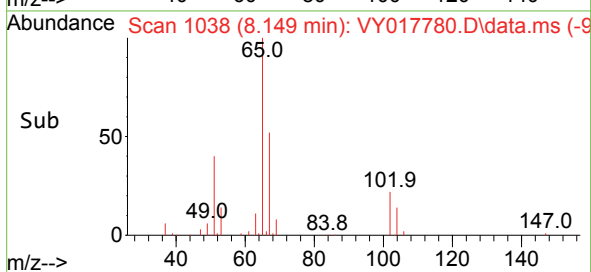
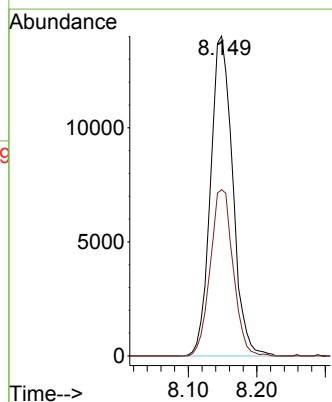
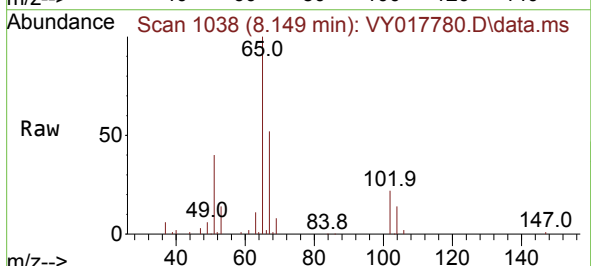
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-209

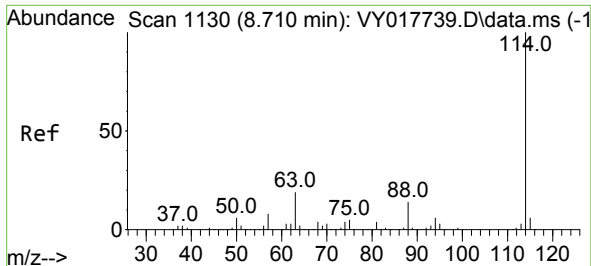
Tgt Ion: 56 Resp: 1566
Ion Ratio Lower Upper
56 100
69 110.9 28.7 43.1#
84 96.1 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 57.908 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.012 min
Lab File: VY017780.D
Acq: 27 Mar 2024 14:48

Tgt Ion: 65 Resp: 31446
Ion Ratio Lower Upper
65 100
67 53.7 0.0 109.6

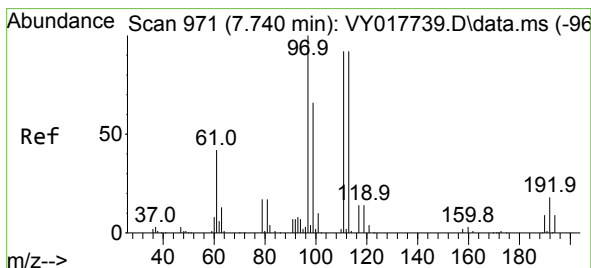
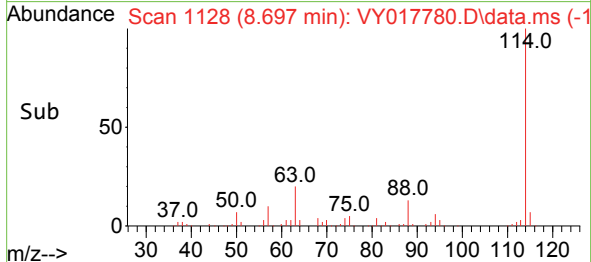
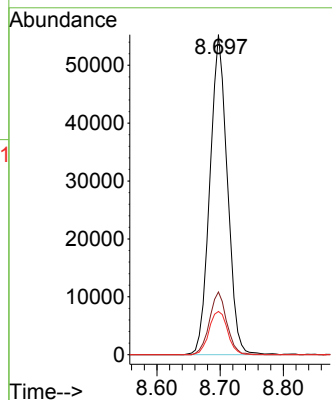
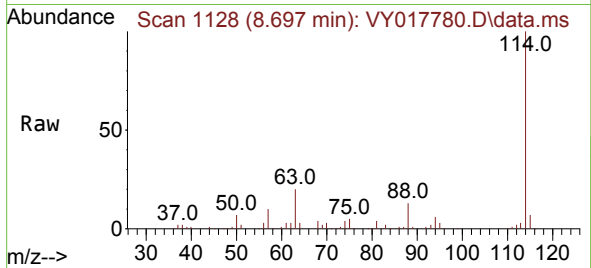




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.012 min
Lab File: VY017780.D
Acq: 27 Mar 2024 14:48

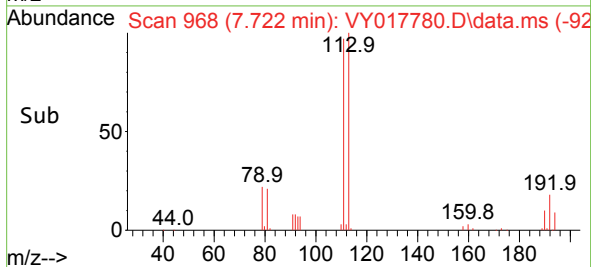
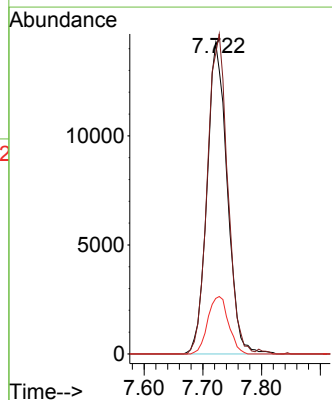
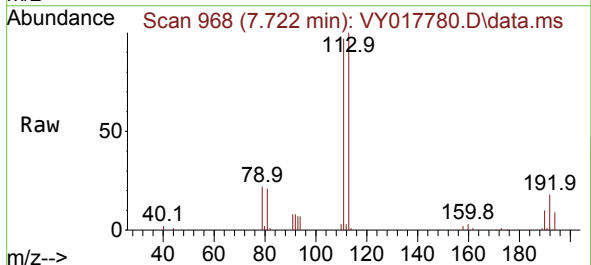
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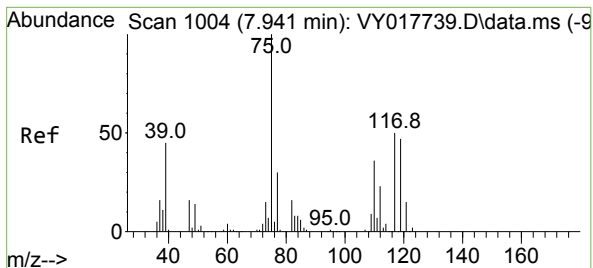
Tgt Ion:114 Resp: 105967
Ion Ratio Lower Upper
114 100
63 19.6 0.0 35.0
88 13.5 0.0 27.2



#35
Dibromofluoromethane
Concen: 53.918 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.018 min
Lab File: VY017780.D
Acq: 27 Mar 2024 14:48

Tgt Ion:113 Resp: 34153
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.4
192 18.9 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.269 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.146 min

Lab File: VY017780.D

Acq: 27 Mar 2024 14:48

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-209

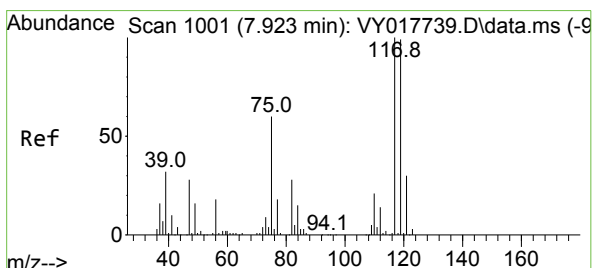
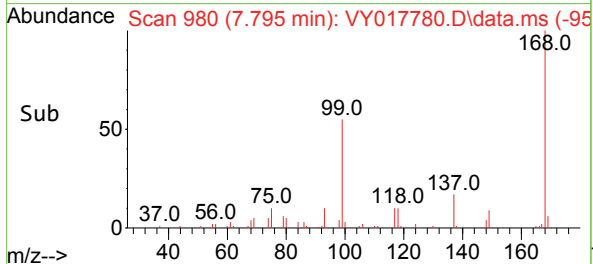
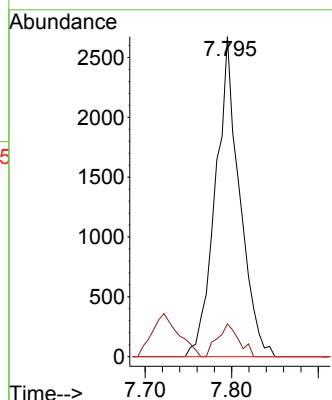
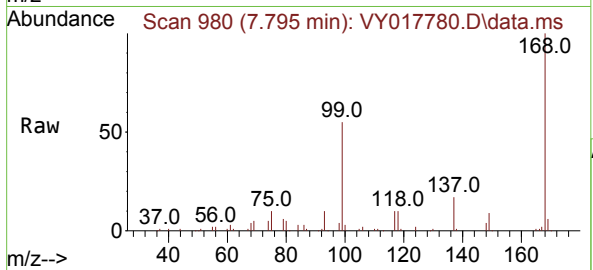
Tgt Ion: 75 Resp: 5156

Ion Ratio Lower Upper

75 100

110 9.1 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.709 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.128 min

Lab File: VY017780.D

Acq: 27 Mar 2024 14:48

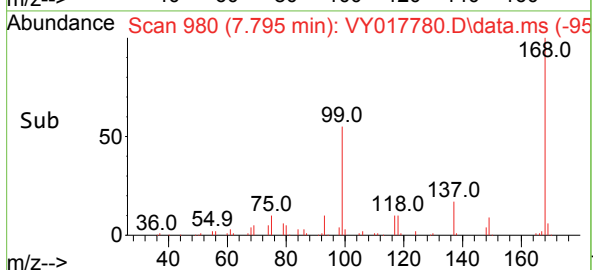
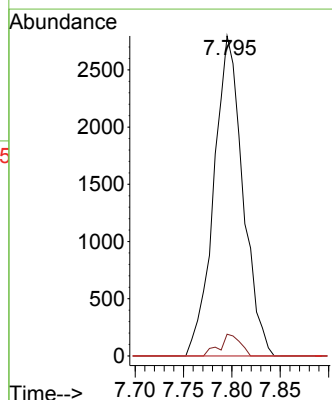
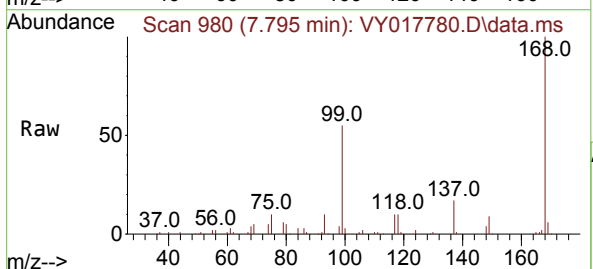
Tgt Ion: 117 Resp: 5850

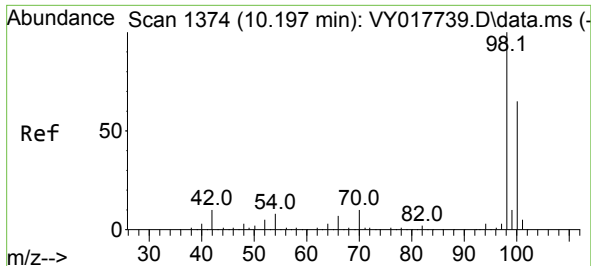
Ion Ratio Lower Upper

117 100

119 6.8 75.8 113.6#

121 0.0 24.0 36.0#

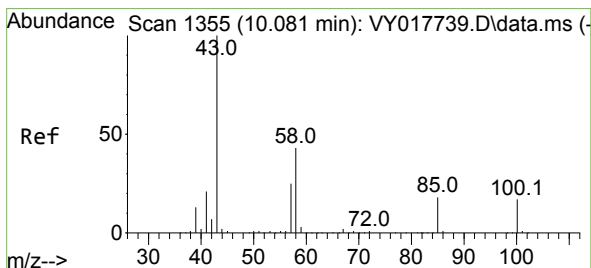
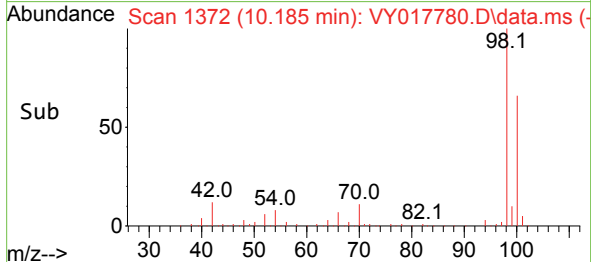
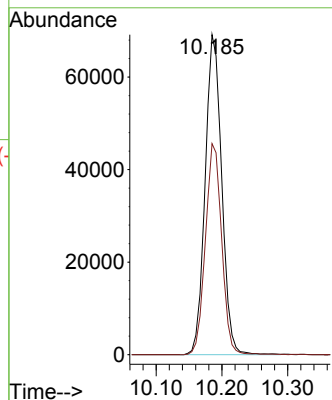
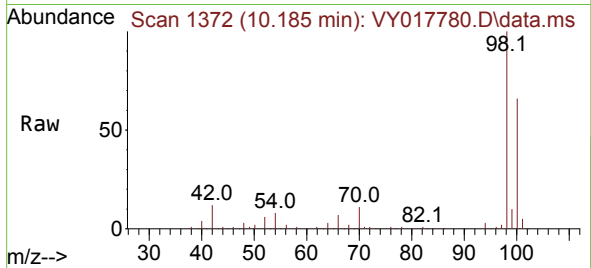




#50
Toluene-d8
Concen: 49.952 ug/l
RT: 10.185 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY017780.D
Acq: 27 Mar 2024 14:48

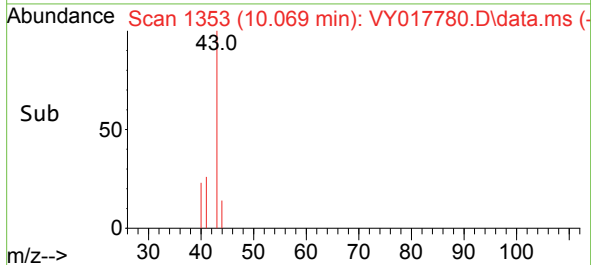
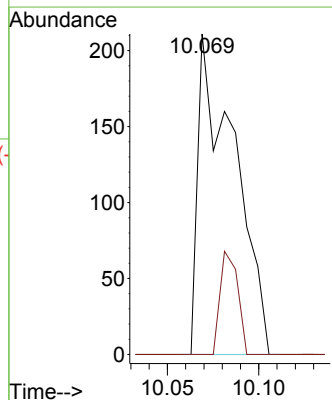
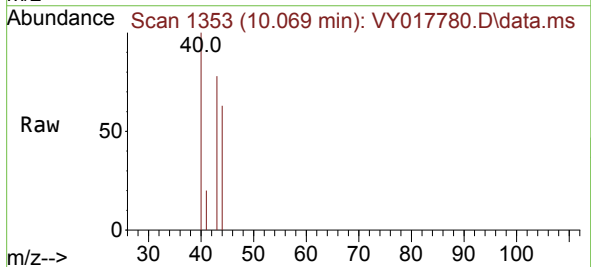
Instrument :
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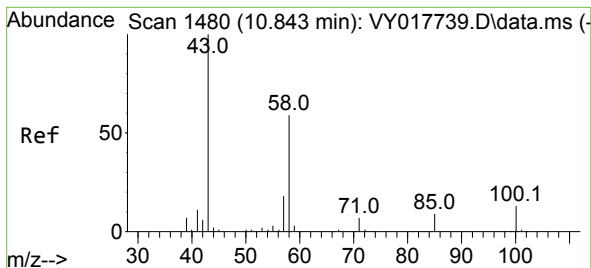
Tgt Ion: 98 Resp: 121098
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 6.349 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.012 min
Lab File: VY017780.D
Acq: 27 Mar 2024 14:48

Tgt Ion: 43 Resp: 290
Ion Ratio Lower Upper
43 100
58 15.5 35.7 53.5#

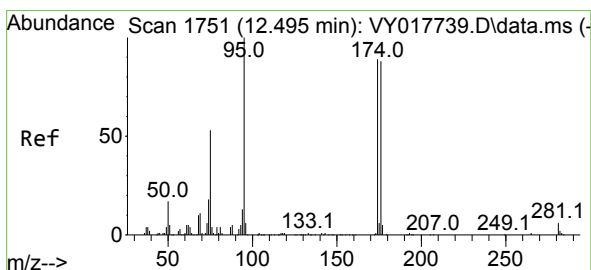
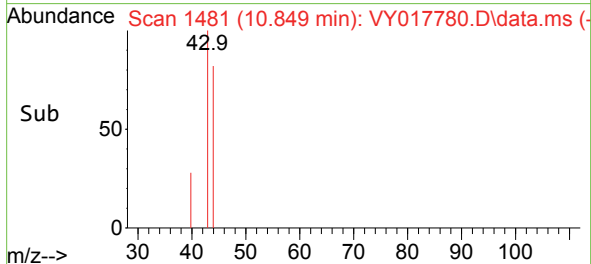
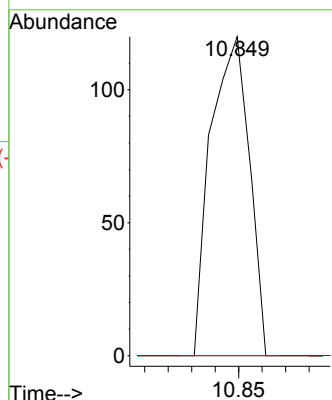
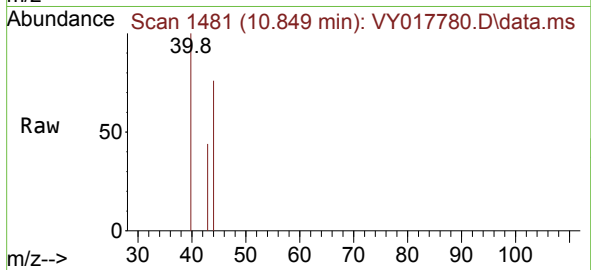




#59
2-Hexanone
Concen: 9.953 ug/l
RT: 10.849 min Scan# 1480
Delta R.T. 0.006 min
Lab File: VY017780.D
Acq: 27 Mar 2024 14:48

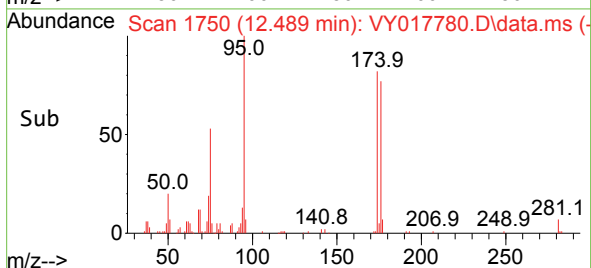
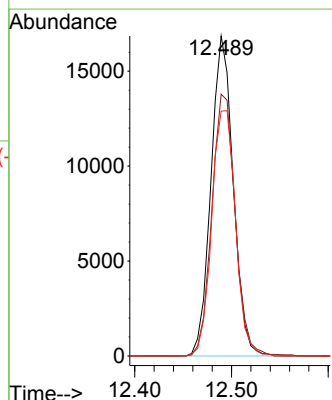
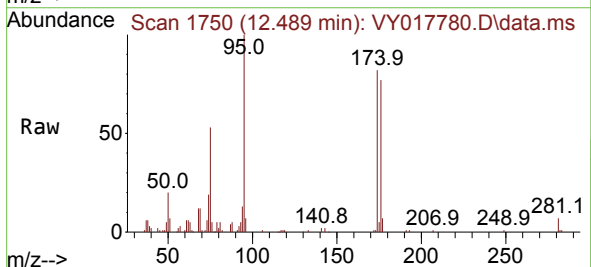
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-209

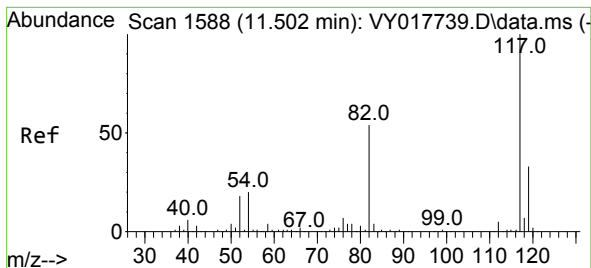
Tgt Ion: 43 Resp: 137
Ion Ratio Lower Upper
43 100
58 0.0 31.4 94.0#



#62
4-Bromofluorobenzene
Concen: 36.970 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.006 min
Lab File: VY017780.D
Acq: 27 Mar 2024 14:48

Tgt Ion: 95 Resp: 26913
Ion Ratio Lower Upper
95 100
174 86.3 0.0 175.6
176 81.9 0.0 171.4

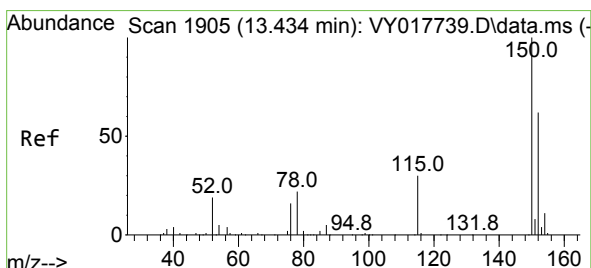
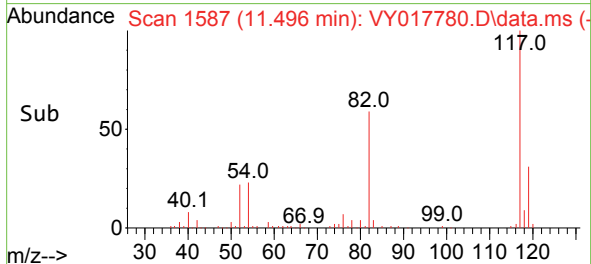
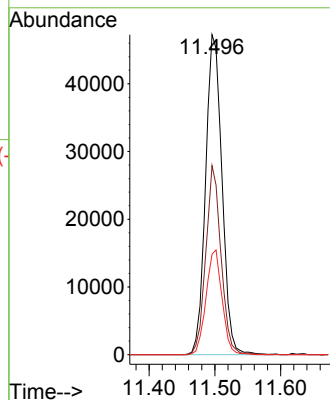
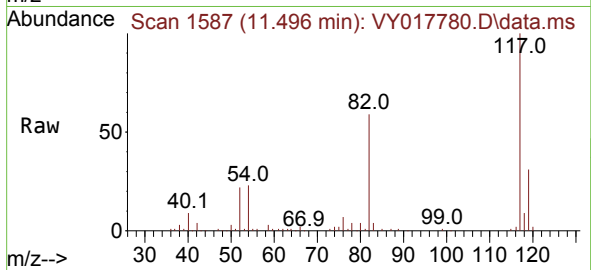




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY017780.D
Acq: 27 Mar 2024 14:48

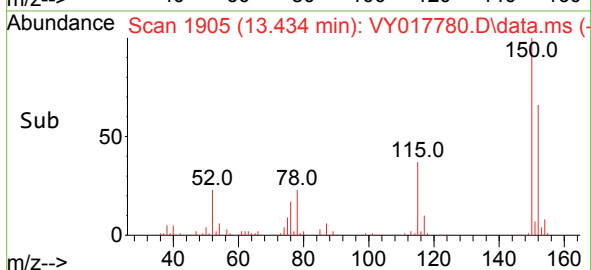
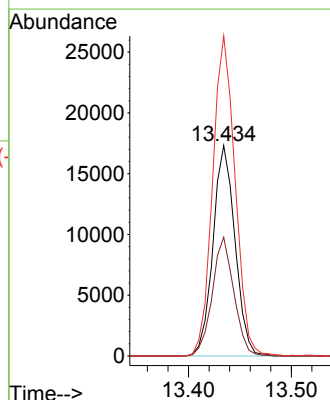
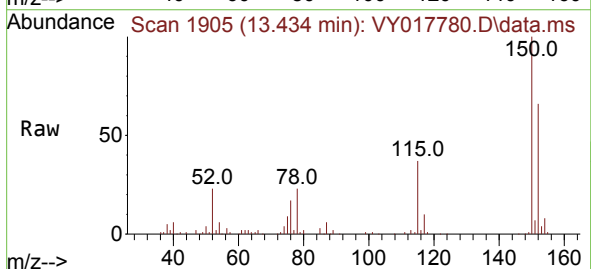
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-209

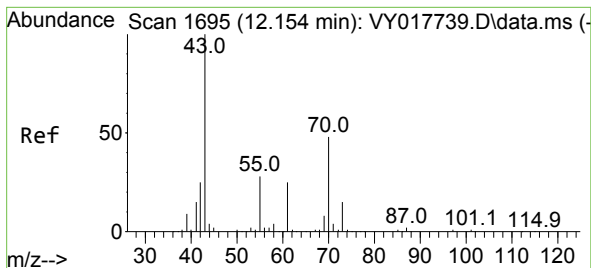
Tgt Ion:117 Resp: 81998
Ion Ratio Lower Upper
117 100
82 59.0 42.4 63.6
119 31.4 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. -0.000 min
Lab File: VY017780.D
Acq: 27 Mar 2024 14:48

Tgt Ion:152 Resp: 25730
Ion Ratio Lower Upper
152 100
115 55.3 28.2 84.7
150 155.3 0.0 345.6





#74

N-amy1 acetate

Concen: 2.482 ug/l

RT: 12.154 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY017780.D

Acq: 27 Mar 2024 14:48

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-209

Tgt Ion: 43 Resp: 70

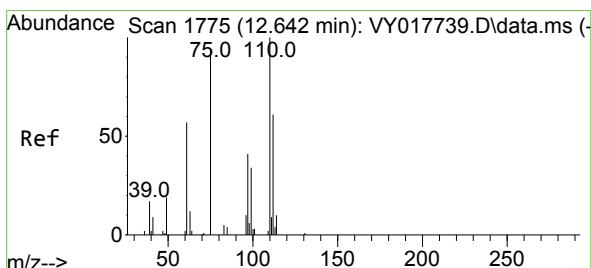
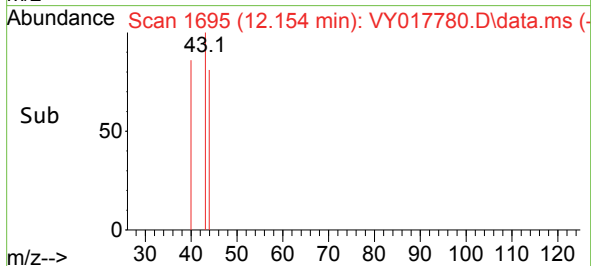
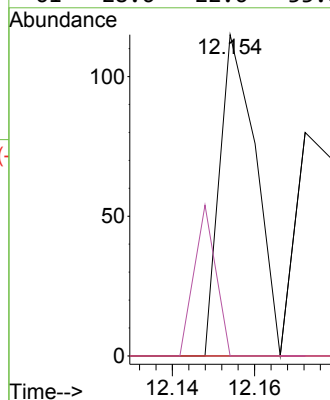
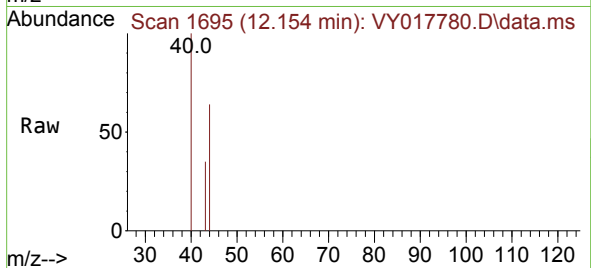
Ion Ratio Lower Upper

43 100

70 0.0 41.4 62.2#

55 0.0 23.3 34.9#

61 28.6 22.6 33.8



#76

1,2,3-Trichloropropane

Concen: 58.476 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.152 min

Lab File: VY017780.D

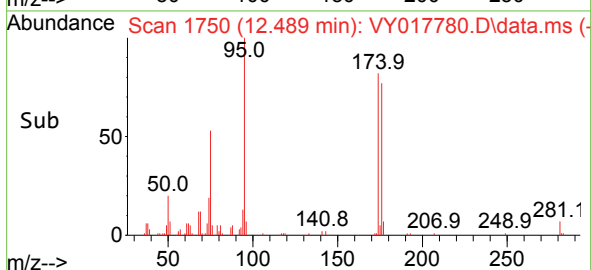
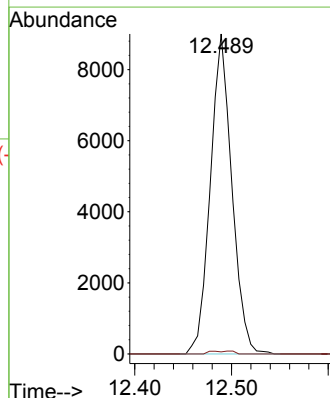
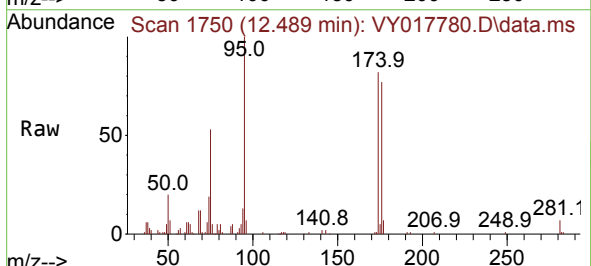
Acq: 27 Mar 2024 14:48

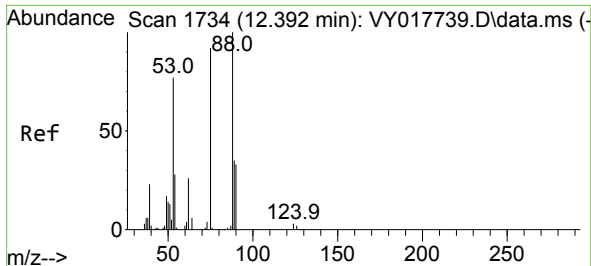
Tgt Ion: 75 Resp: 13894

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#

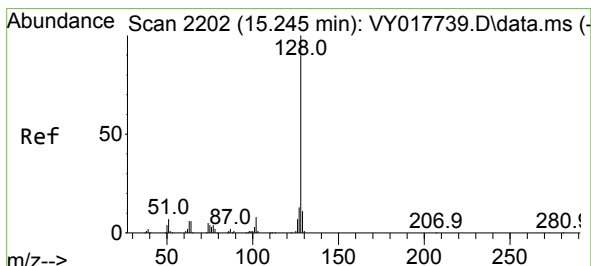
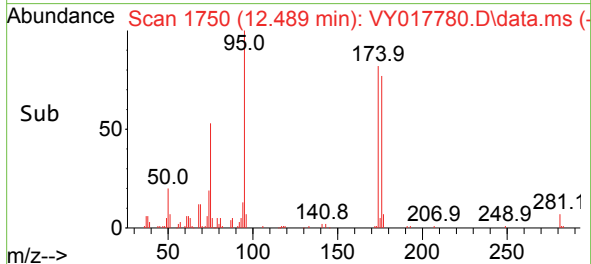
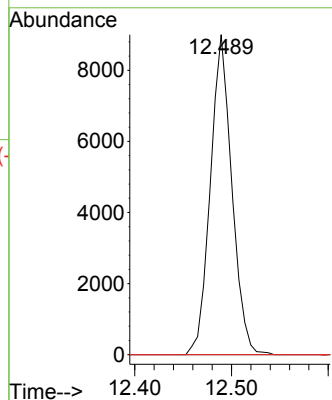
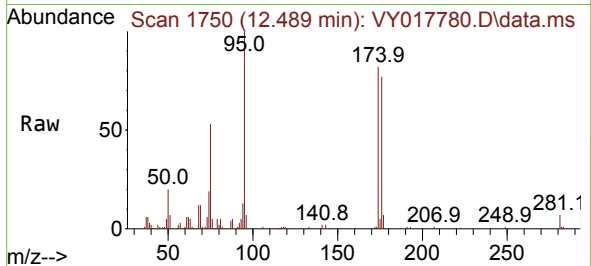




#81
trans-1,4-Dichloro-2-butene
Concen: 135.121 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.097 min
Lab File: VY017780.D
Acq: 27 Mar 2024 14:48

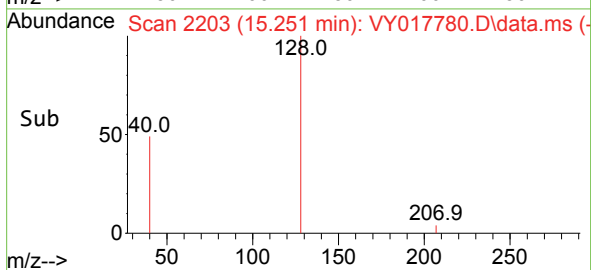
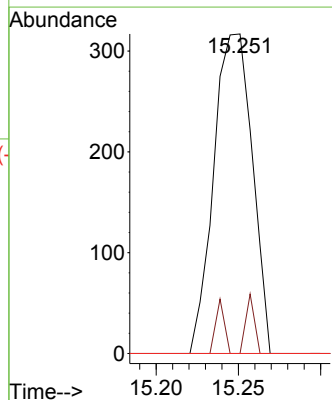
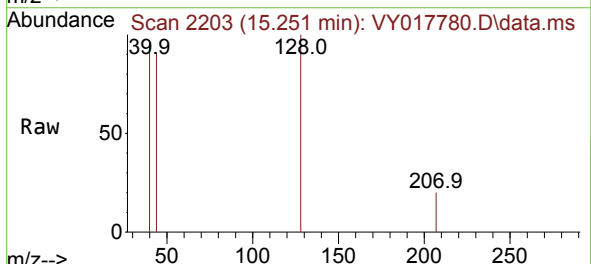
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-209

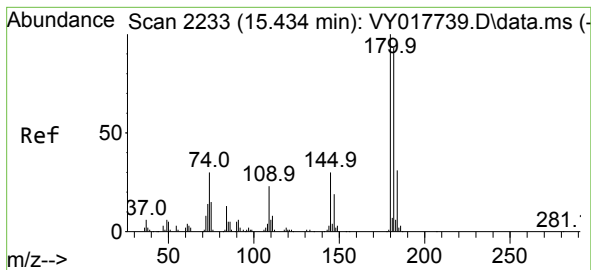
Tgt Ion: 75 Resp: 13894
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 3.346 ug/l
RT: 15.251 min Scan# 2203
Delta R.T. 0.006 min
Lab File: VY017780.D
Acq: 27 Mar 2024 14:48

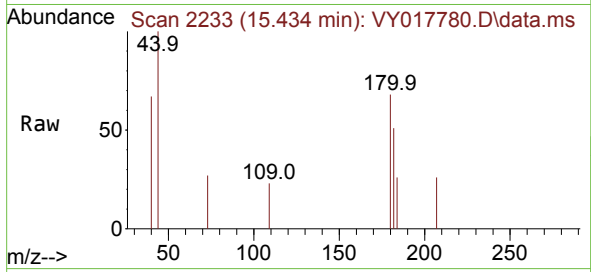
Tgt Ion: 128 Resp: 518
Ion Ratio Lower Upper
128 100
127 4.2 10.6 16.0#
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.034 ug/l
 RT: 15.434 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY017780.D
 Acq: 27 Mar 2024 14:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-209



Tgt Ion:180 Resp: 307
 Ion Ratio Lower Upper
 180 100
 182 82.4 47.6 142.9
 145 0.0 15.4 46.1#

