

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032723\
 Data File : VY013091.D
 Acq On : 27 Mar 2023 14:57
 Operator : KP/MD
 Sample : 02082-02RE
 Misc : 5.10g/5.1mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-224

Quant Time: Mar 28 01:43:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

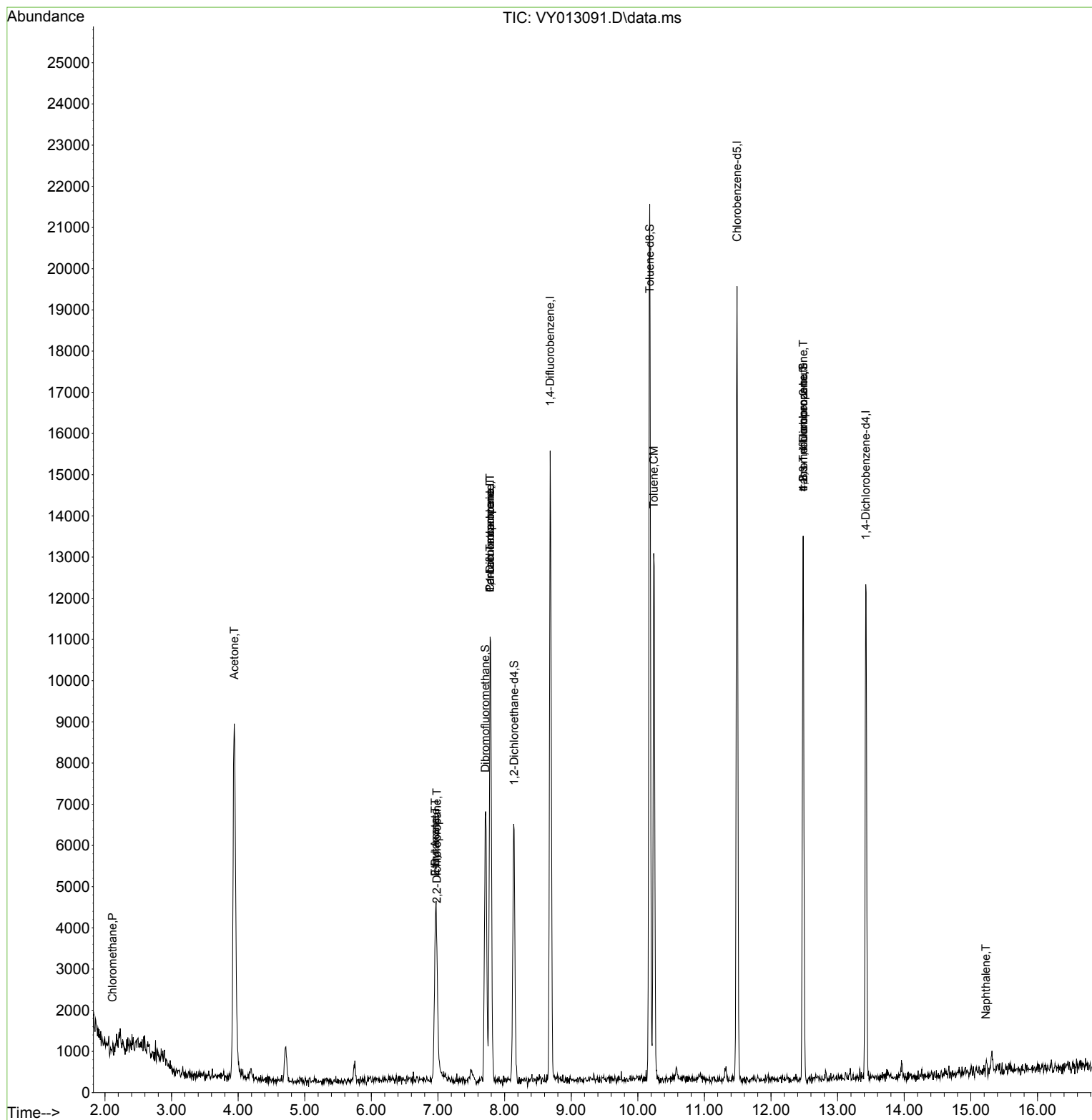
Internal Standards						
1) Pentafluorobenzene	7.783	168	8787	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	12477	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	10471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	3657	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	5085	58.285	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.580%			
35) Dibromofluoromethane	7.710	113	4780	63.481	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 126.960%			
50) Toluene-d8	10.179	98	14922	54.207	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.420%			
62) 4-Bromofluorobenzene	12.483	95	3576	38.488	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 76.980%			
Target Compounds			Qvalue			
3) Chloromethane	2.113	50	175	1.690	ug/l #	42
11) Tert butyl alcohol	4.936	59	70	Below Cal	#	74
16) Acetone	3.942	43	16137	471.240	ug/l	99
25) 2-Butanone	6.960	43	145	3.419	ug/l #	49
26) 2,2-Dichloropropane	6.984	77	303	1.972	ug/l #	52
36) 1,1-Dichloropropene	7.783	75	661	5.238	ug/l #	41
37) Ethyl Acetate	6.960	43	145	1.823	ug/l #	1
38) Carbon Tetrachloride	7.783	117	992	7.613	ug/l #	12
52) Toluene	10.240	92	5363	24.914	ug/l	98
76) 1,2,3-Trichloropropane	12.483	75	1861	42.615	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	1861	88.299	ug/l #	13
95) Naphthalene	15.227	128	247	1.824	ug/l #	69

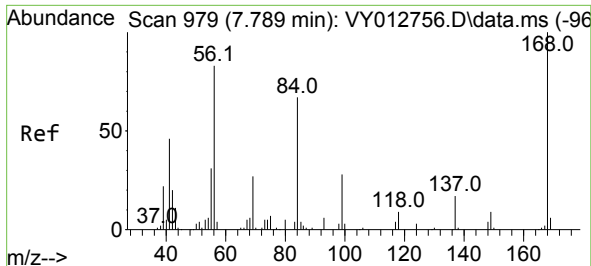
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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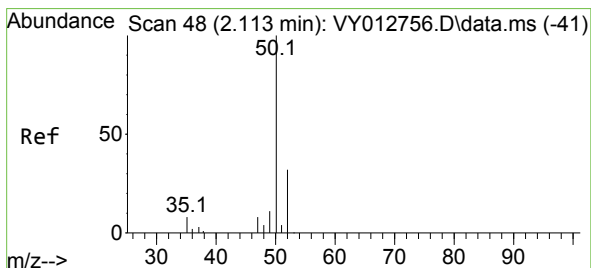
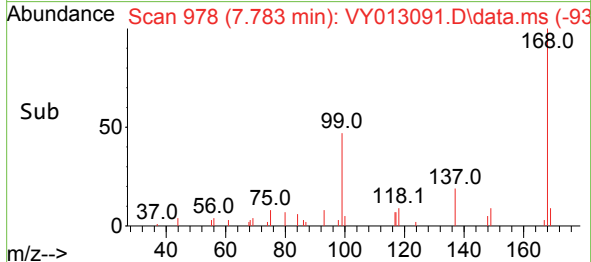
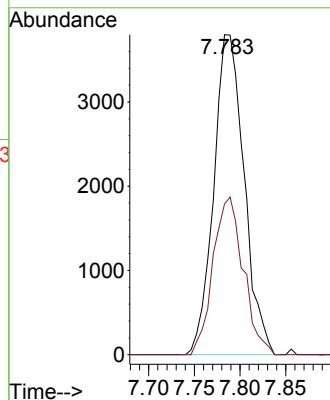
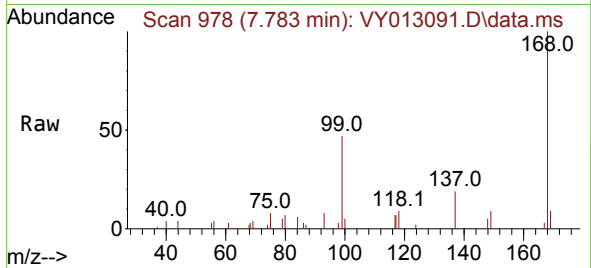




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013091.D
Acq: 27 Mar 2023 14:57

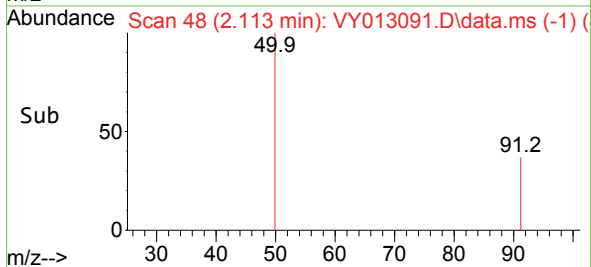
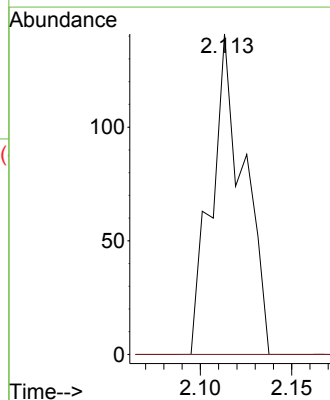
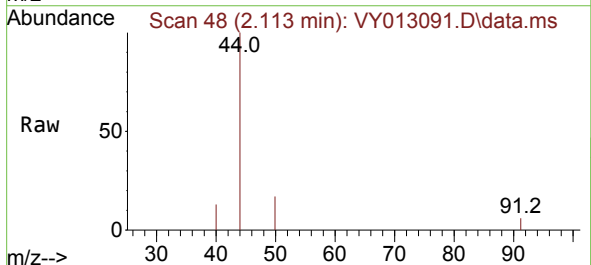
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-224

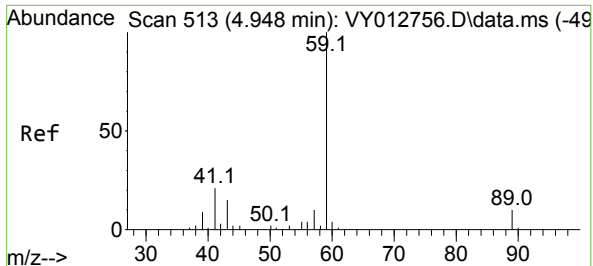
Tgt Ion:168 Resp: 8787
Ion Ratio Lower Upper
168 100
99 47.1 41.7 62.5



#3
Chloromethane
Concen: 1.690 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY013091.D
Acq: 27 Mar 2023 14:57

Tgt Ion: 50 Resp: 175
Ion Ratio Lower Upper
50 100
52 0.0 26.0 39.0#

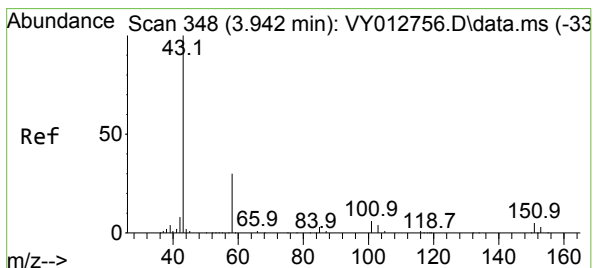
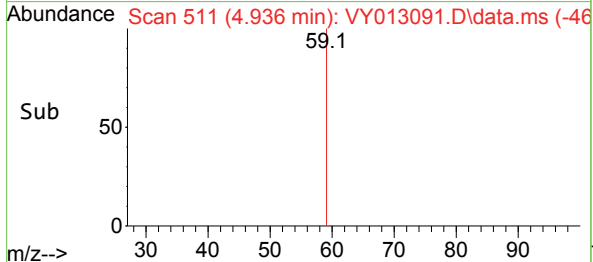
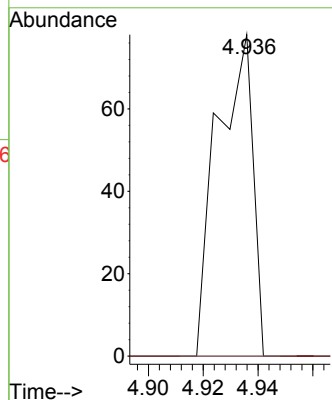
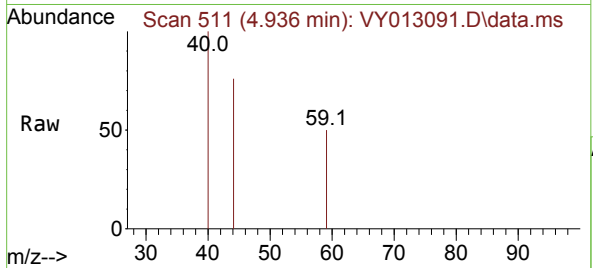




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 51
Delta R.T. -0.012 min
Lab File: VY013091.D
Acq: 27 Mar 2023 14:57

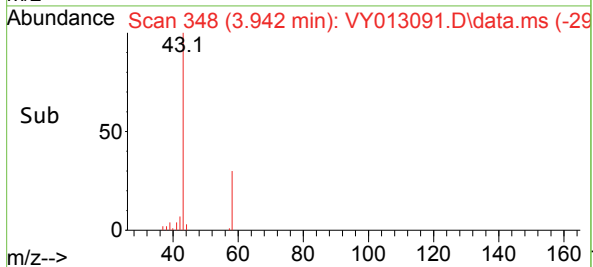
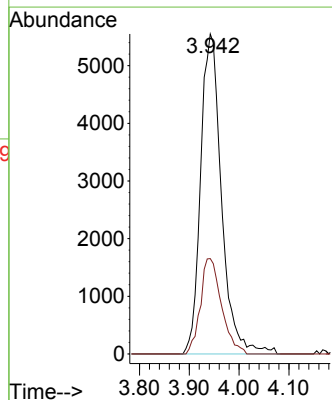
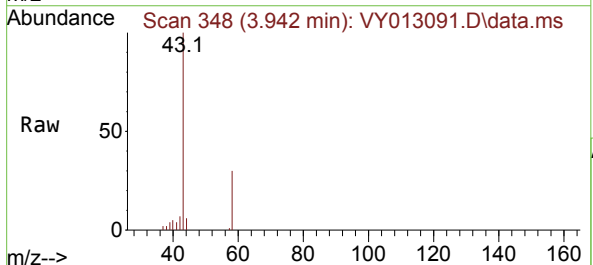
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-224

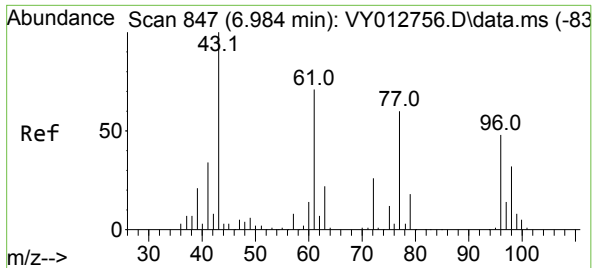
Tgt Ion: 59 Resp: 70
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



#16
Acetone
Concen: 471.240 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY013091.D
Acq: 27 Mar 2023 14:57

Tgt Ion: 43 Resp: 16137
Ion Ratio Lower Upper
43 100
58 29.8 24.2 36.2

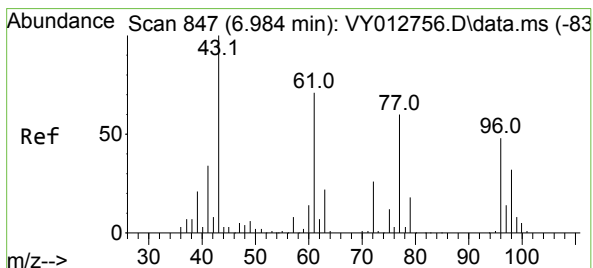
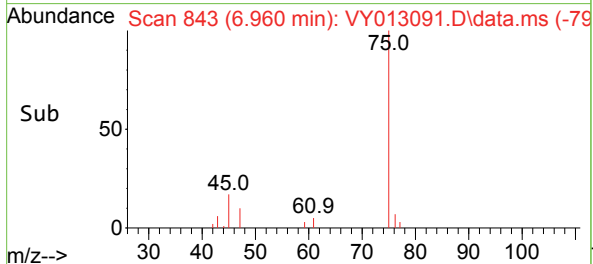
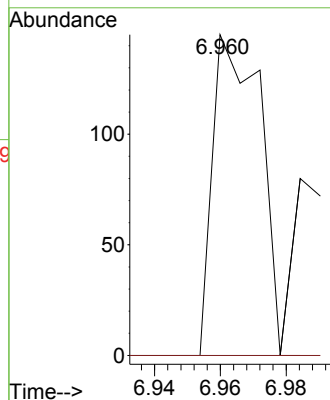
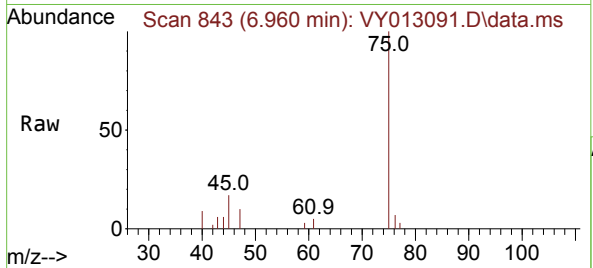




#25
2-Butanone
Concen: 3.419 ug/l
RT: 6.960 min Scan# 843
Delta R.T. -0.024 min
Lab File: VY013091.D
Acq: 27 Mar 2023 14:57

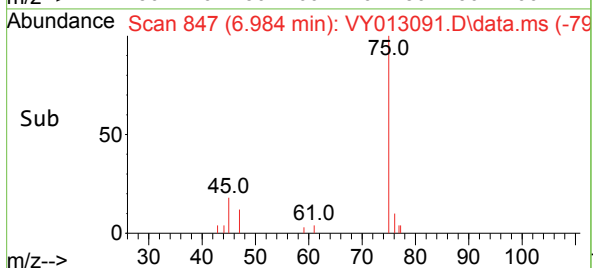
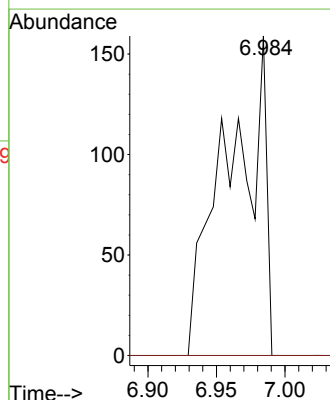
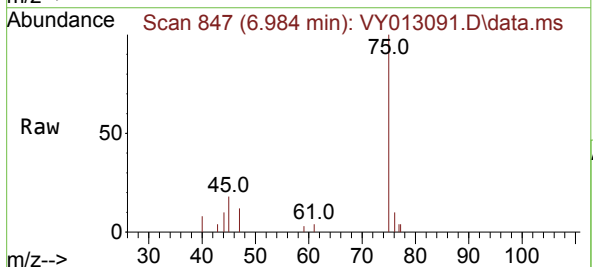
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-224

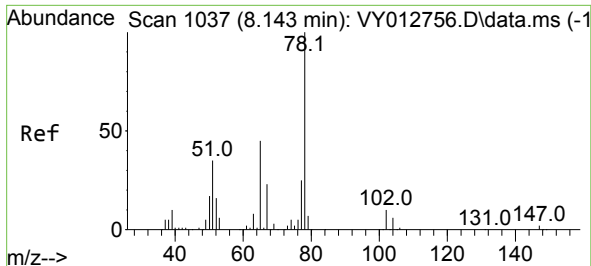
Tgt Ion: 43 Resp: 145
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.4#



#26
2,2-Dichloropropane
Concen: 1.972 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY013091.D
Acq: 27 Mar 2023 14:57

Tgt Ion: 77 Resp: 303
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.0#





#33

1,2-Dichloroethane-d4

Concen: 58.285 ug/l

RT: 8.143 min Scan# 1103

Delta R.T. -0.000 min

Lab File: VY013091.D

Acq: 27 Mar 2023 14:57

Instrument :

MSVOA_Y

ClientSampleId :

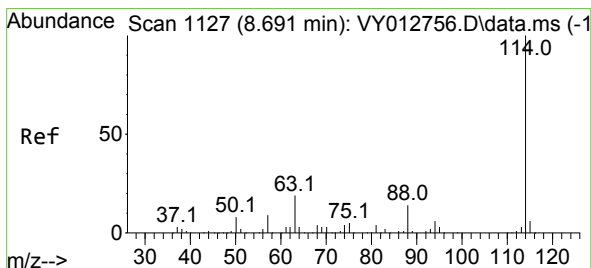
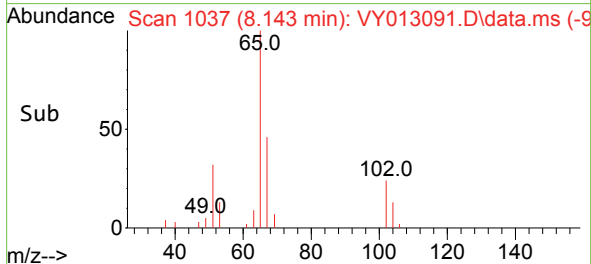
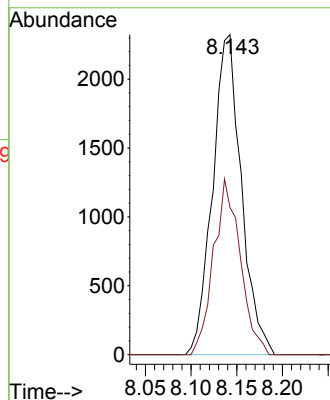
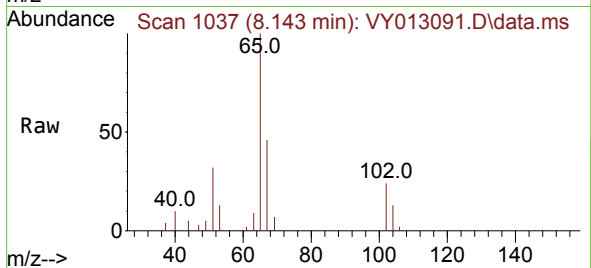
VNJ-224

Tgt Ion: 65 Resp: 5085

Ion Ratio Lower Upper

65 100

67 50.9 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013091.D

Acq: 27 Mar 2023 14:57

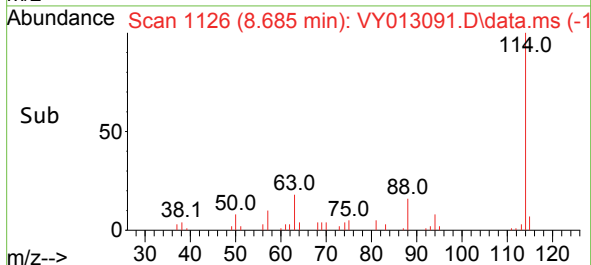
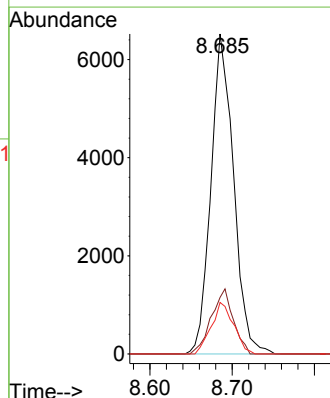
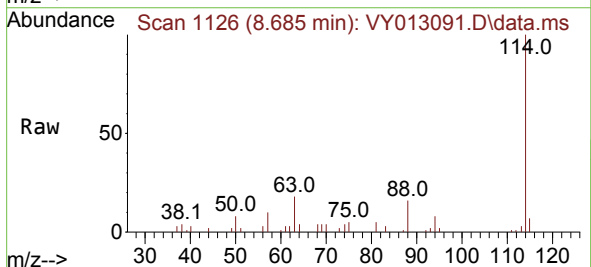
Tgt Ion: 114 Resp: 12477

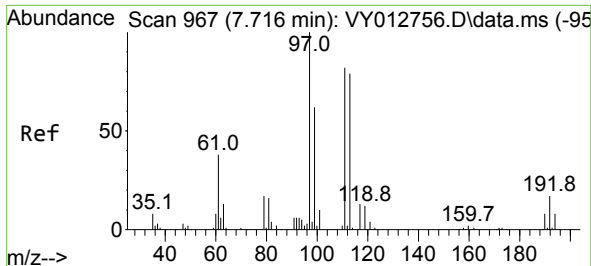
Ion Ratio Lower Upper

114 100

63 17.6 0.0 37.4

88 16.1 0.0 28.6

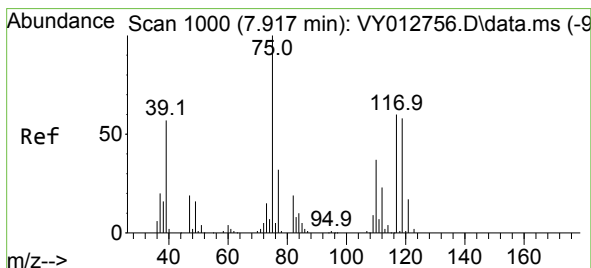
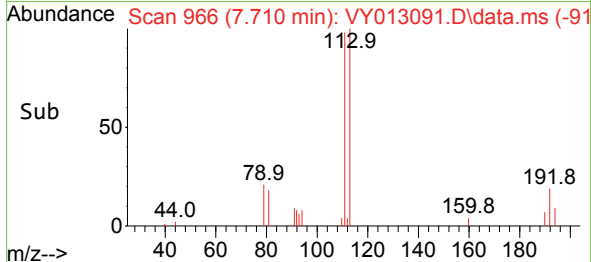
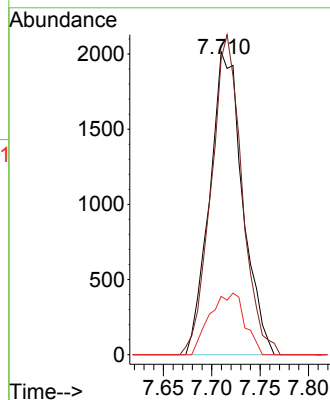
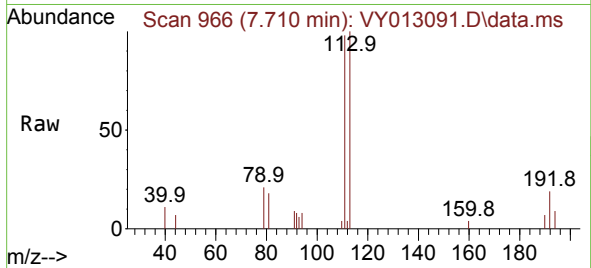




#35
Dibromofluoromethane
Concen: 63.481 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY013091.D
Acq: 27 Mar 2023 14:57

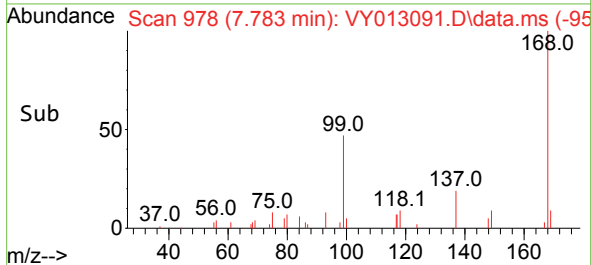
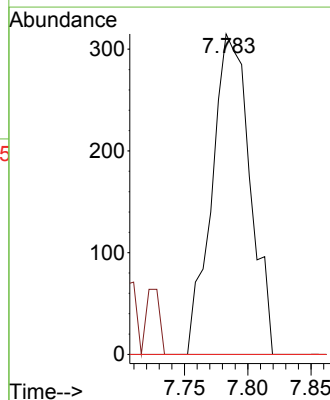
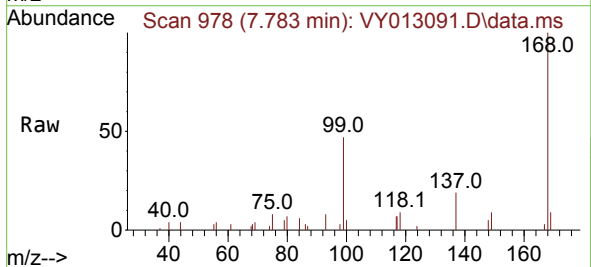
Instrument :
MSVOA_Y
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VNJ-224

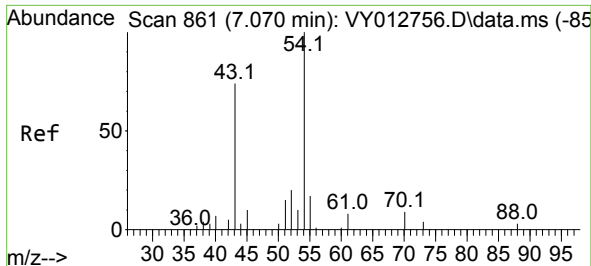
Tgt Ion:113 Resp: 4780
Ion Ratio Lower Upper
113 100
111 98.7 82.2 123.2
192 21.5 16.8 25.2



#36
1,1-Dichloropropene
Concen: 5.238 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY013091.D
Acq: 27 Mar 2023 14:57

Tgt Ion: 75 Resp: 661
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.823 ug/l

RT: 6.960 min Scan# 84

Delta R.T. -0.110 min

Lab File: VY013091.D

Acq: 27 Mar 2023 14:57

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-224

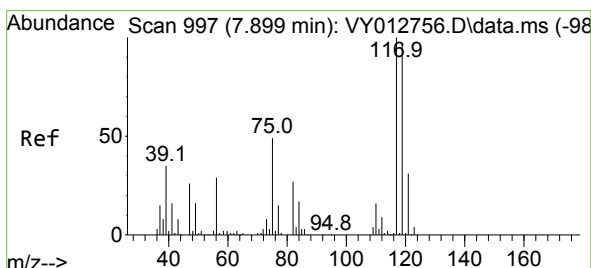
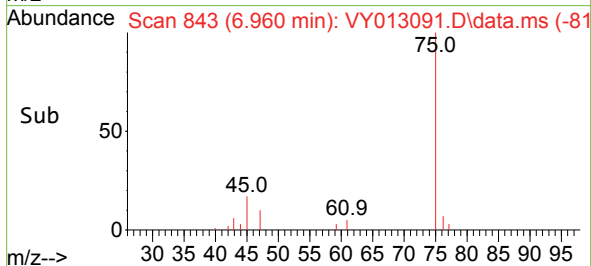
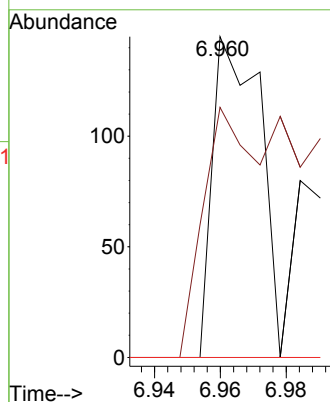
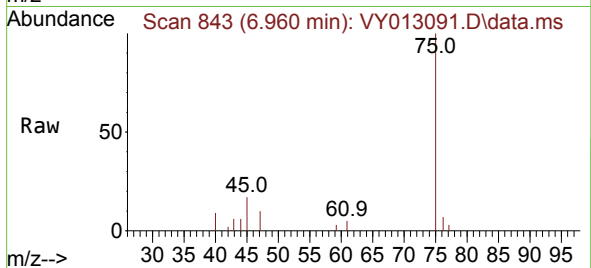
Tgt Ion: 43 Resp: 145

Ion Ratio Lower Upper

43 100

61 89.7 10.7 16.1#

70 0.0 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 7.613 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY013091.D

Acq: 27 Mar 2023 14:57

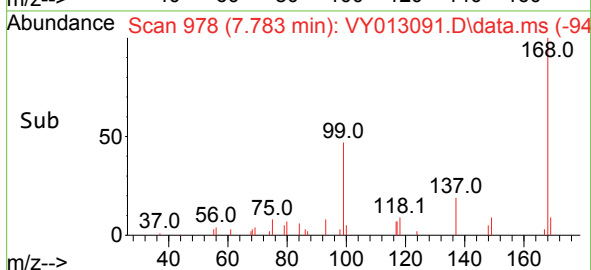
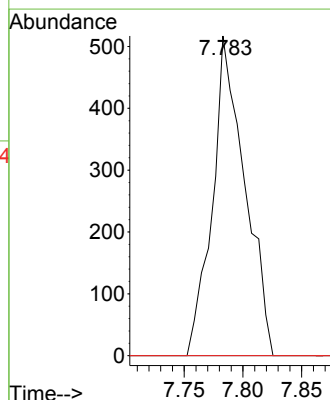
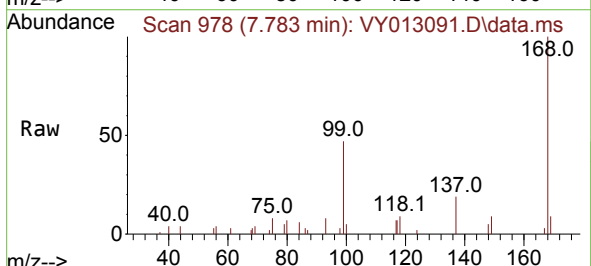
Tgt Ion: 117 Resp: 992

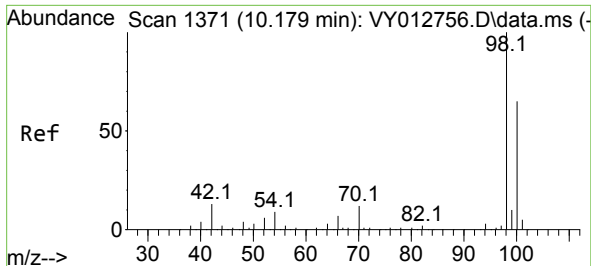
Ion Ratio Lower Upper

117 100

119 0.0 77.2 115.8#

121 0.0 24.7 37.1#

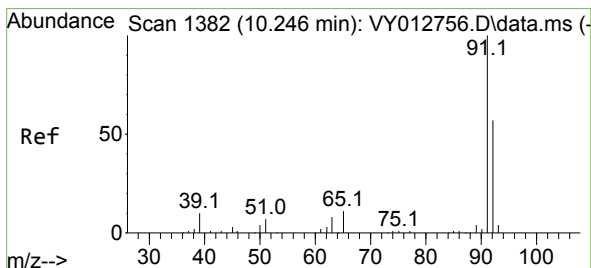
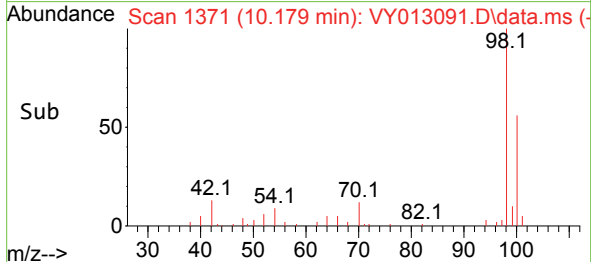
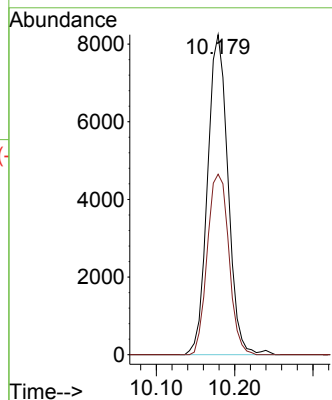
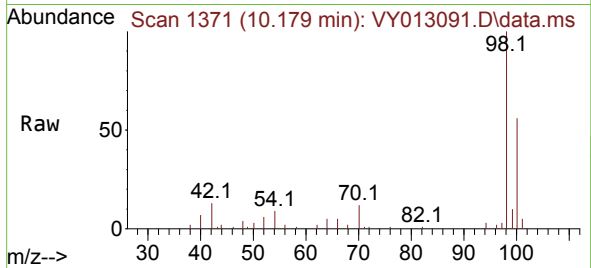




#50
Toluene-d8
Concen: 54.207 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY013091.D
Acq: 27 Mar 2023 14:57

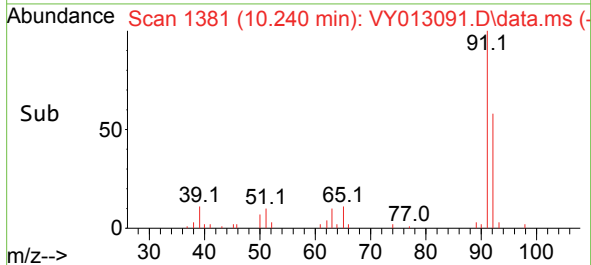
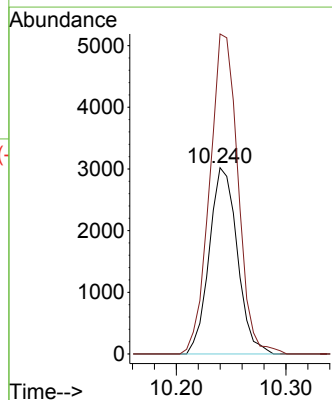
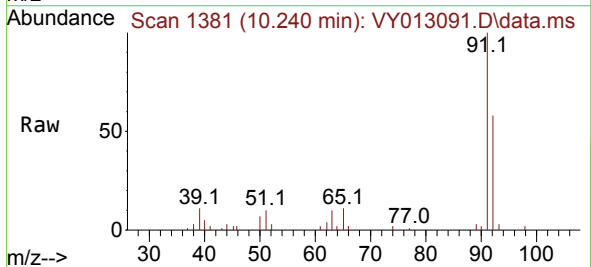
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-224

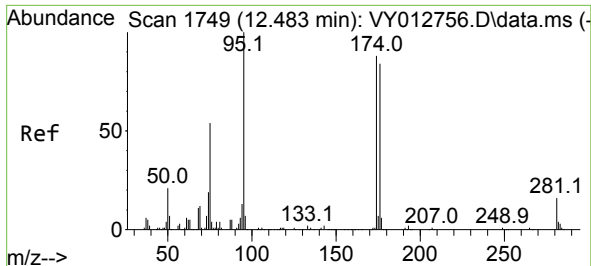
Tgt Ion: 98 Resp: 14922
Ion Ratio Lower Upper
98 100
100 59.4 50.9 76.3



#52
Toluene
Concen: 24.914 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.006 min
Lab File: VY013091.D
Acq: 27 Mar 2023 14:57

Tgt Ion: 92 Resp: 5363
Ion Ratio Lower Upper
92 100
91 173.3 141.3 211.9

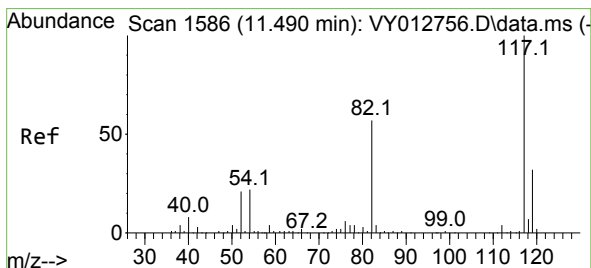
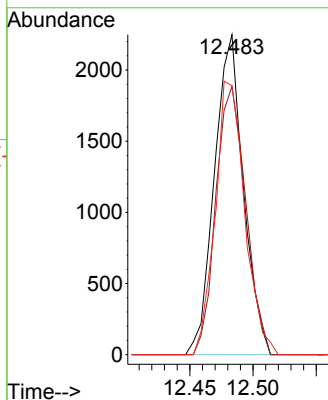
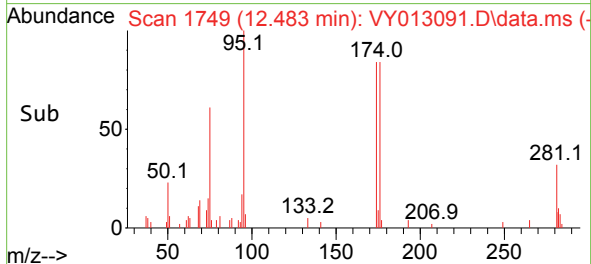
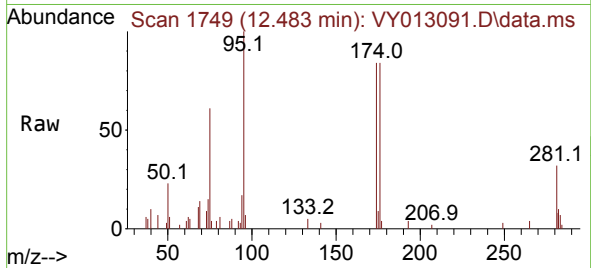




#62
4-Bromofluorobenzene
Concen: 38.488 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY013091.D
Acq: 27 Mar 2023 14:57

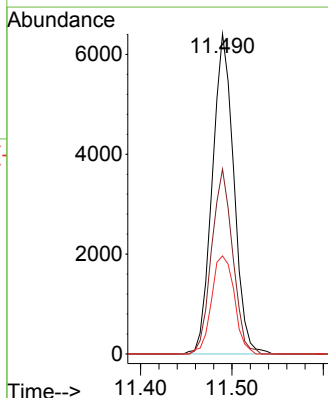
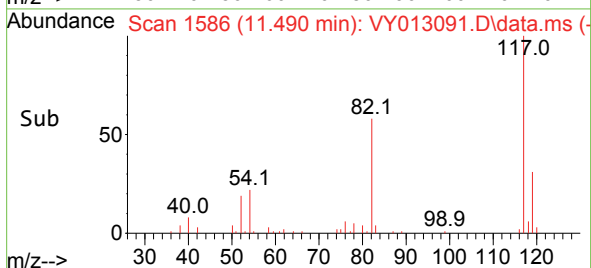
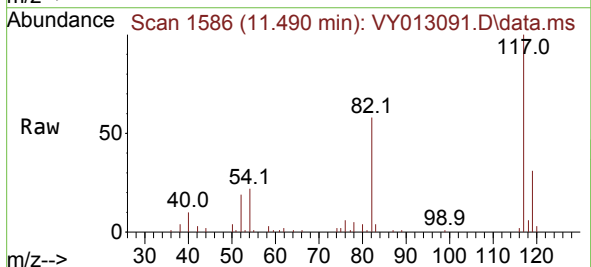
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-224

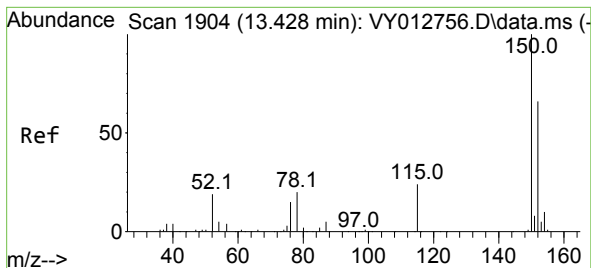
Tgt Ion: 95 Resp: 3576
Ion Ratio Lower Upper
95 100
174 86.8 0.0 176.6
176 86.7 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013091.D
Acq: 27 Mar 2023 14:57

Tgt Ion: 117 Resp: 10471
Ion Ratio Lower Upper
117 100
82 57.8 45.4 68.0
119 30.7 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY013091.D

Acq: 27 Mar 2023 14:57

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-224

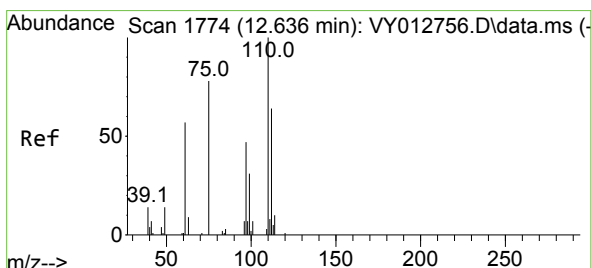
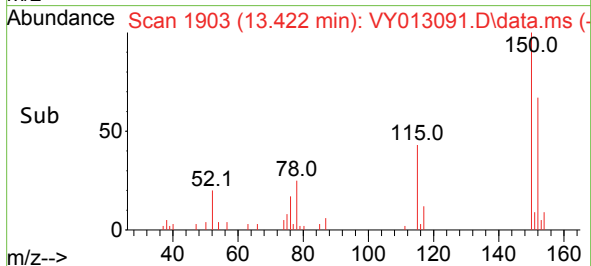
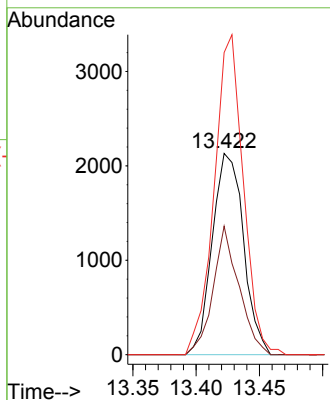
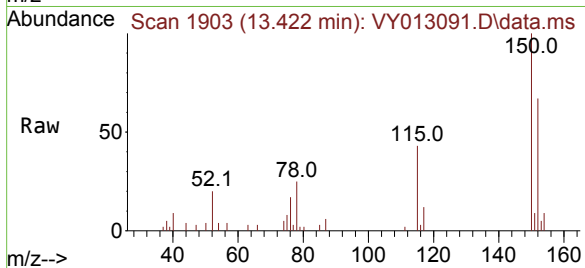
Tgt Ion:152 Resp: 3657

Ion Ratio Lower Upper

152 100

115 53.0 27.1 81.3

150 148.1 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 42.615 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY013091.D

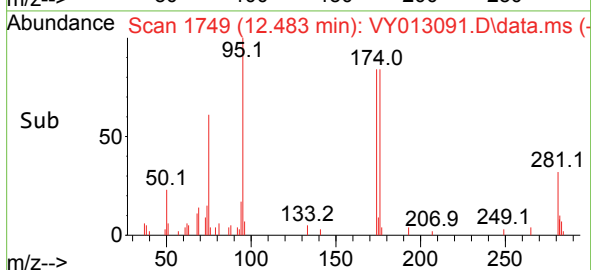
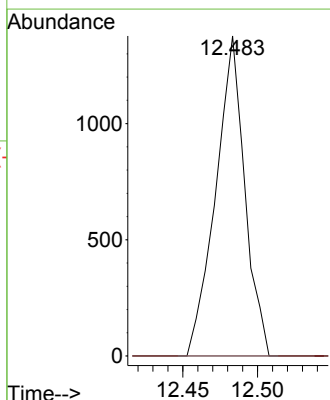
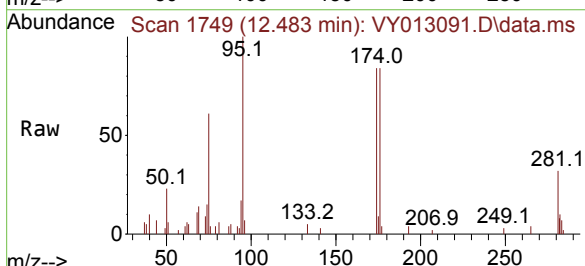
Acq: 27 Mar 2023 14:57

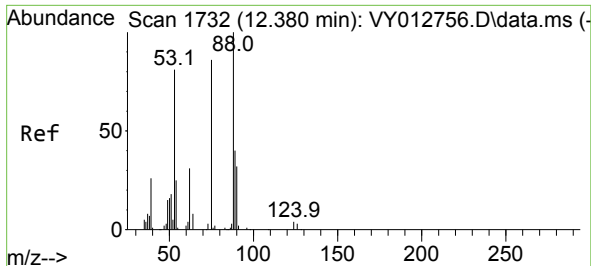
Tgt Ion: 75 Resp: 1861

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

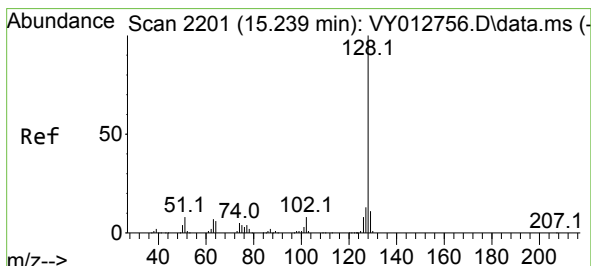
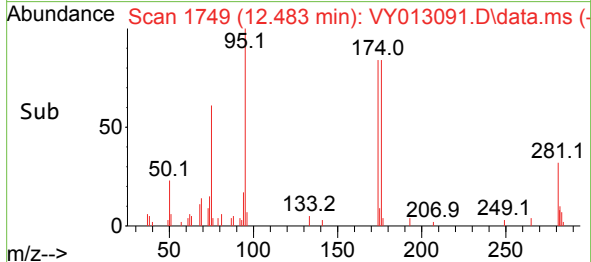
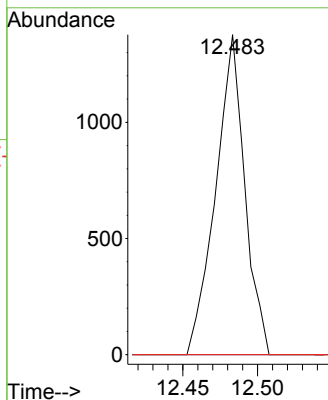
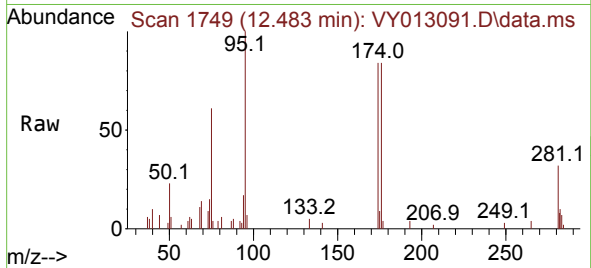




#81
trans-1,4-Dichloro-2-butene
Concen: 88.299 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY013091.D
Acq: 27 Mar 2023 14:57

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-224

Tgt Ion: 75 Resp: 1861
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.0 36.6 55.0#



#95
Naphthalene
Concen: 1.824 ug/l
RT: 15.227 min Scan# 2199
Delta R.T. -0.012 min
Lab File: VY013091.D
Acq: 27 Mar 2023 14:57

Tgt Ion:128 Resp: 247
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

