

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032723\
 Data File : VY013097.D
 Acq On : 27 Mar 2023 17:17
 Operator : KP/MD
 Sample : 02106-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-238

Quant Time: Mar 28 01:46:18 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)

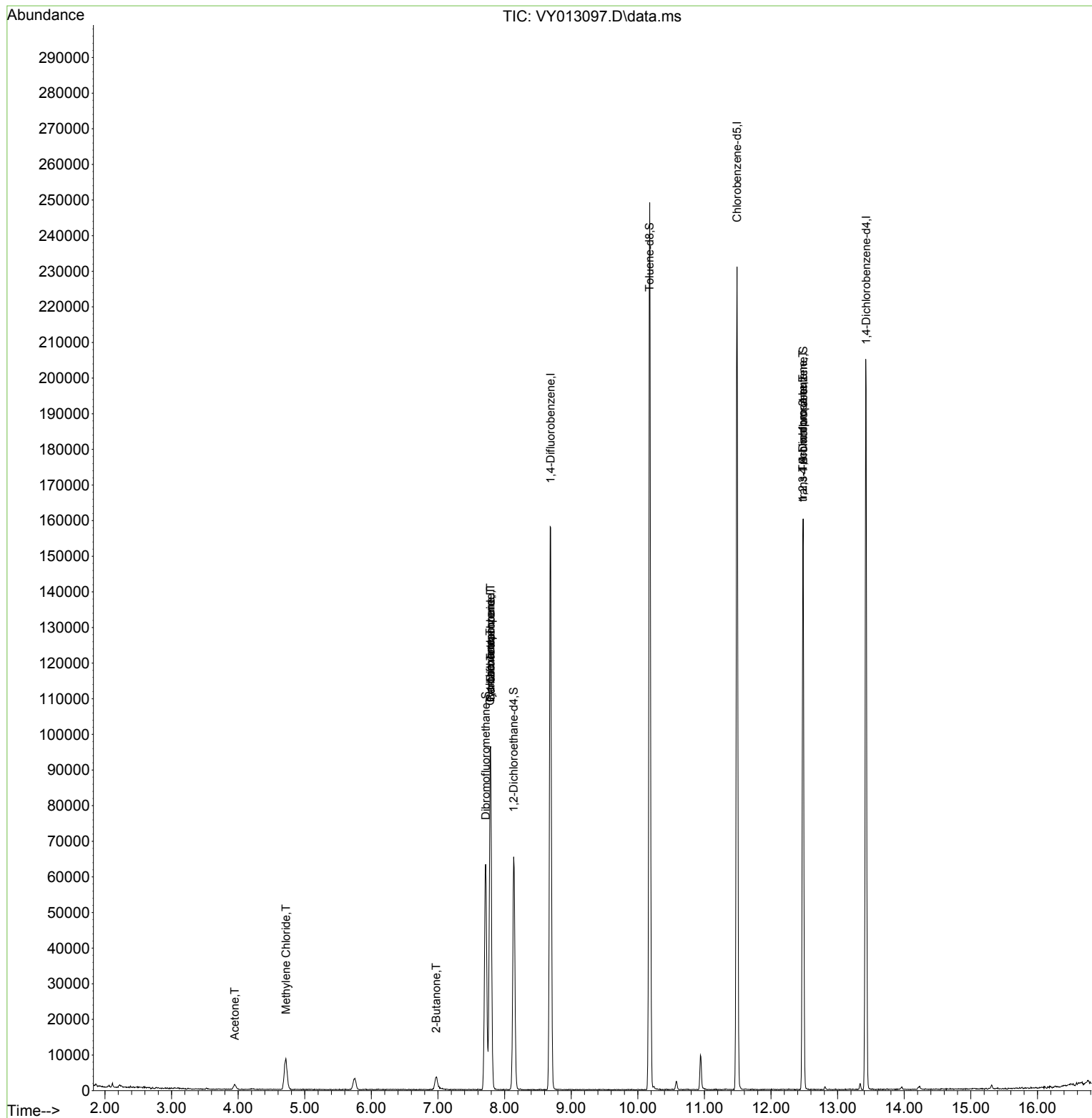
Internal Standards						
1) Pentafluorobenzene	7.789	168	75006	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	133475	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	121170	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	51761	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	49799	66.870	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163		Recovery	= 133.740%	
35) Dibromofluoromethane	7.716	113	43930	54.536	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147		Recovery	= 109.080%	
50) Toluene-d8	10.179	98	159334	54.107	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140		Recovery	= 108.220%	
62) 4-Bromofluorobenzene	12.483	95	46999	47.285	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144		Recovery	= 94.580%	
Target Compounds						
11) Tert butyl alcohol	4.936	59	46	Below Cal	#	74
16) Acetone	3.948	43	2444	8.361	ug/l	89
20) Methylene Chloride	4.716	84	6275	1.862	ug/l	88
25) 2-Butanone	6.972	43	459	1.268	ug/l	# 49
31) Cyclohexane	7.783	56	1749	1.226	ug/l	# 1
36) 1,1-Dichloropropene	7.789	75	6038	4.473	ug/l	# 49
38) Carbon Tetrachloride	7.789	117	7687	5.514	ug/l	# 17
76) 1,2,3-Trichloropropane	12.477	75	24144	39.061	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	24144	80.936	ug/l	# 13

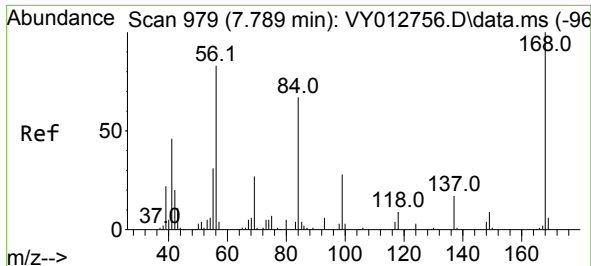
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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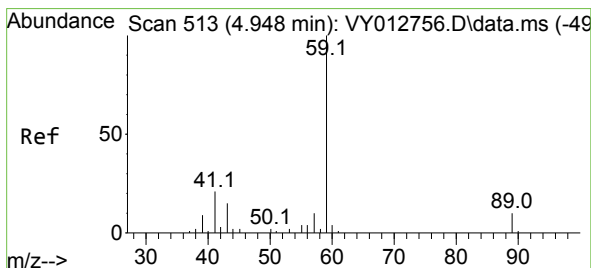
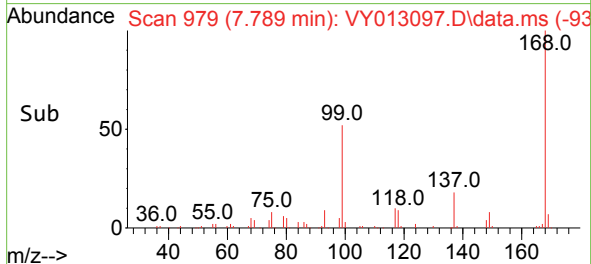
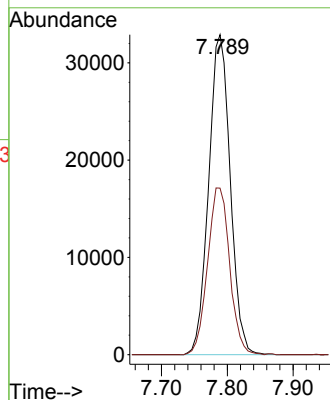
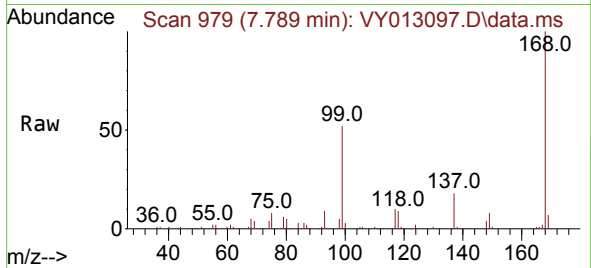




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013097.D
Acq: 27 Mar 2023 17:17

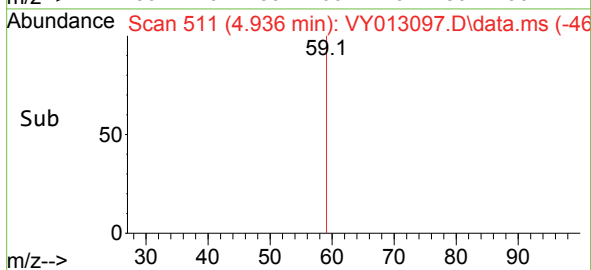
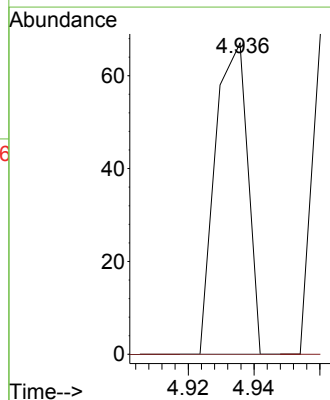
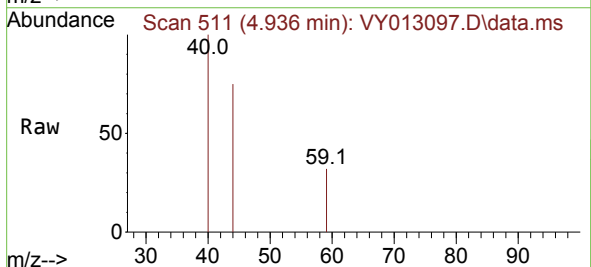
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-238

Tgt Ion:168 Resp: 75006
Ion Ratio Lower Upper
168 100
99 52.0 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY013097.D
Acq: 27 Mar 2023 17:17

Tgt Ion: 59 Resp: 46
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

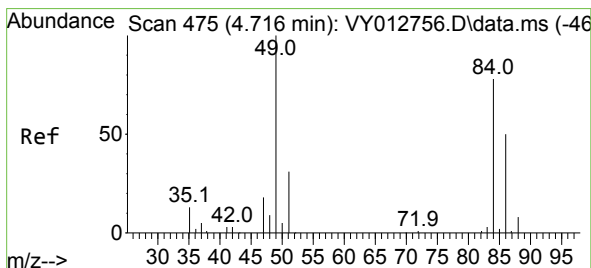
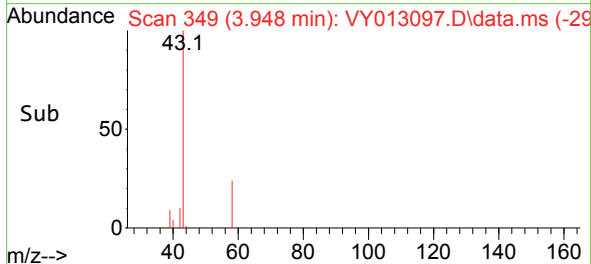
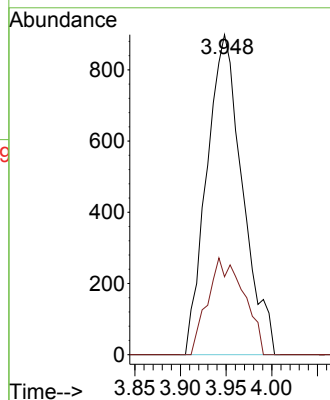
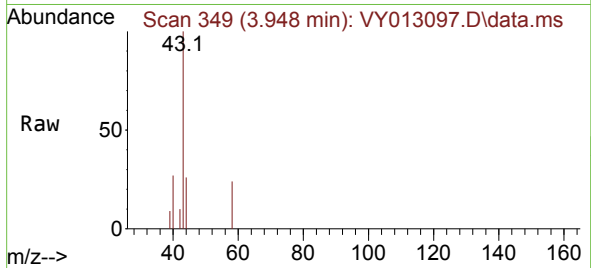




#16
Acetone
Concen: 8.361 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY013097.D
Acq: 27 Mar 2023 17:17

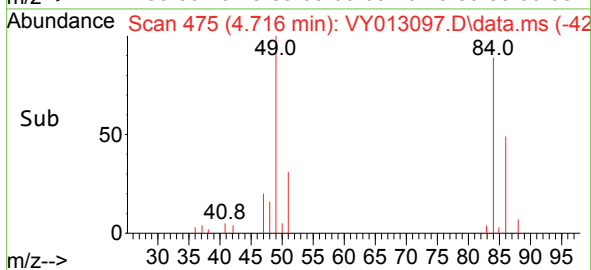
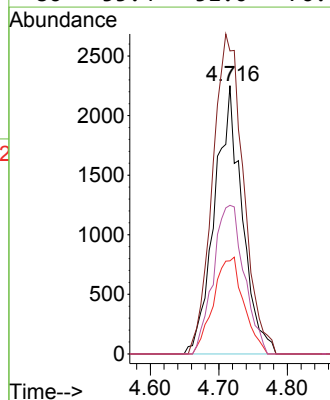
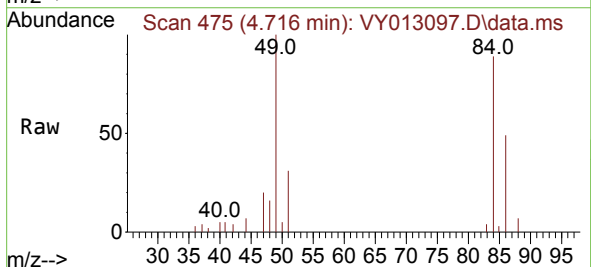
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-238

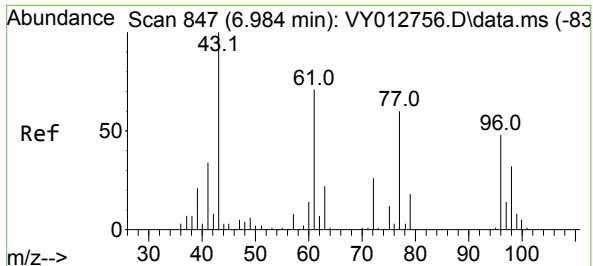
Tgt Ion: 43 Resp: 2444
Ion Ratio Lower Upper
43 100
58 24.4 24.2 36.2



#20
Methylene Chloride
Concen: 1.862 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY013097.D
Acq: 27 Mar 2023 17:17

Tgt Ion: 84 Resp: 6275
Ion Ratio Lower Upper
84 100
49 113.0 102.6 154.0
51 34.7 31.9 47.9
86 55.4 51.0 76.6





#25

2-Butanone

Concen: 1.268 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY013097.D

Acq: 27 Mar 2023 17:17

Instrument :

MSVOA_Y

ClientSampleId :

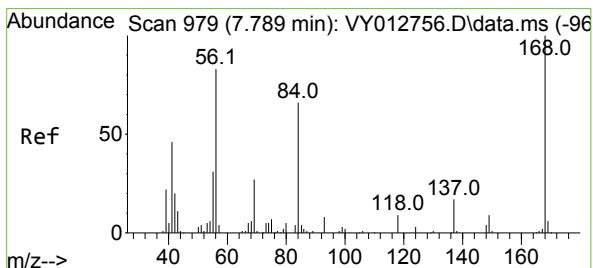
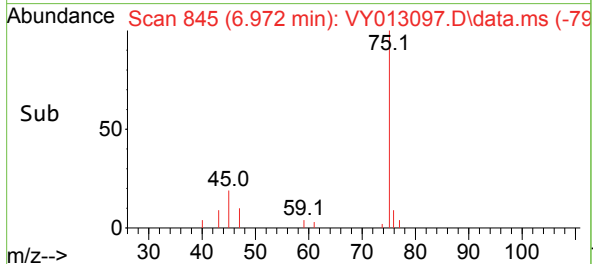
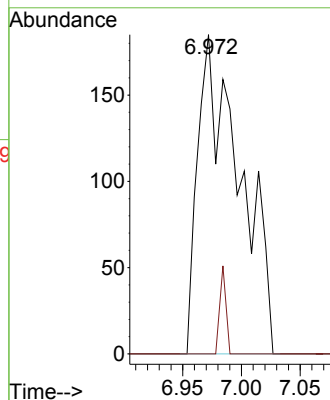
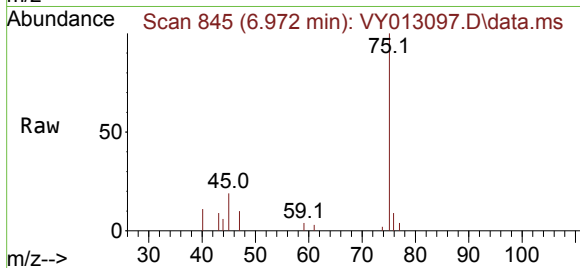
VNJ-238

Tgt Ion: 43 Resp: 459

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#



#31

Cyclohexane

Concen: 1.226 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY013097.D

Acq: 27 Mar 2023 17:17

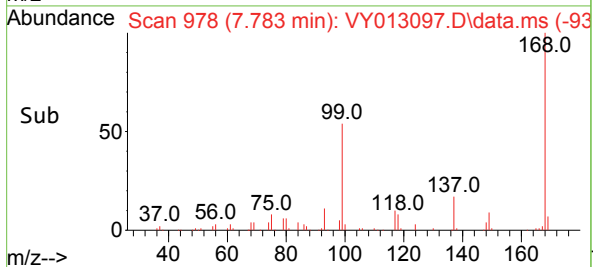
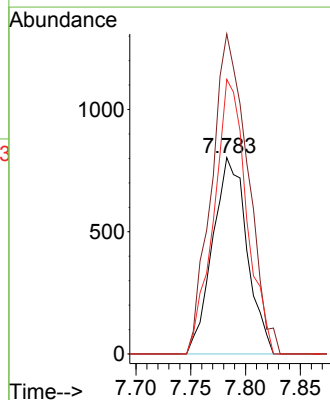
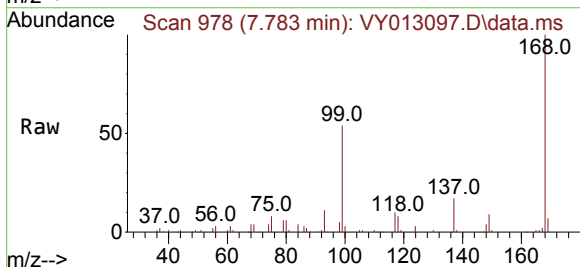
Tgt Ion: 56 Resp: 1749

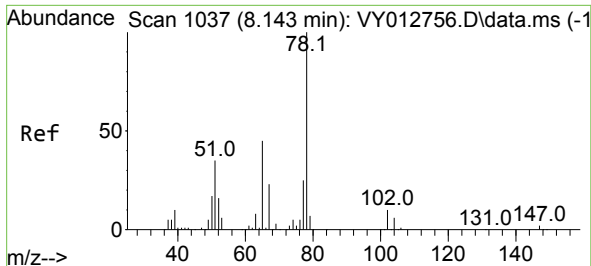
Ion Ratio Lower Upper

56 100

69 163.0 25.7 38.5#

84 139.9 64.3 96.5#

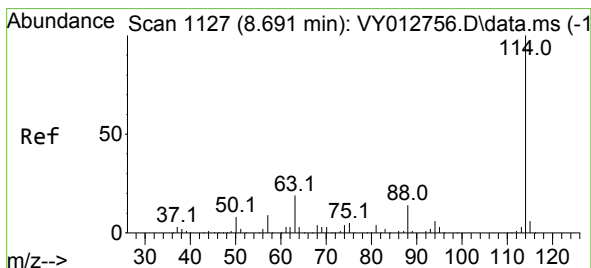
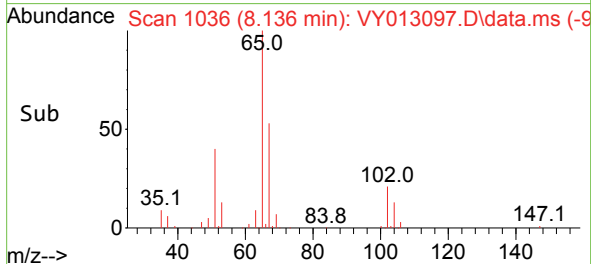
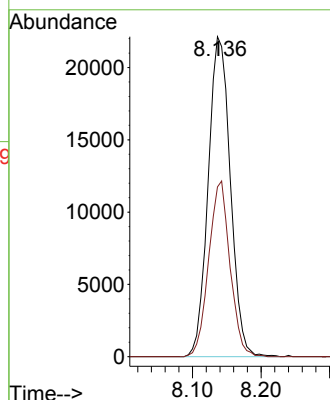
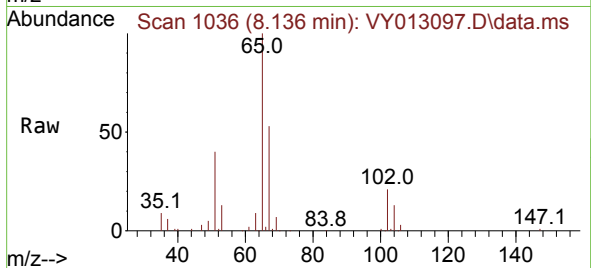




#33
 1,2-Dichloroethane-d4
 Concen: 66.870 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. -0.007 min
 Lab File: VY013097.D
 Acq: 27 Mar 2023 17:17

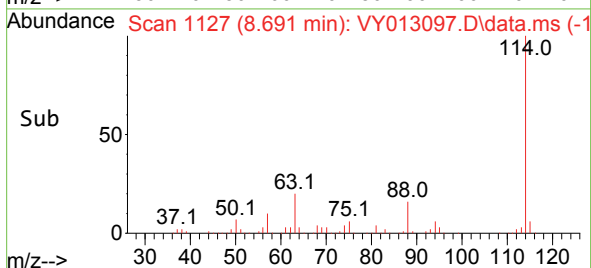
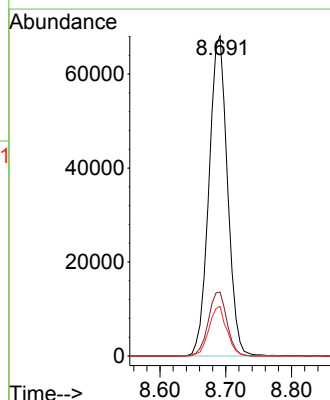
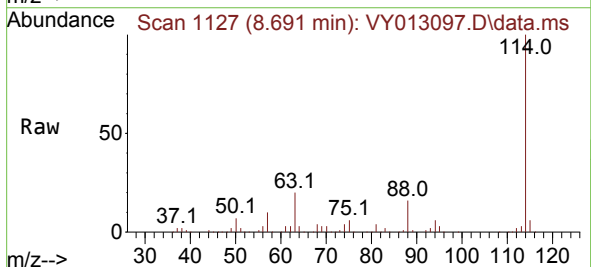
Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-238

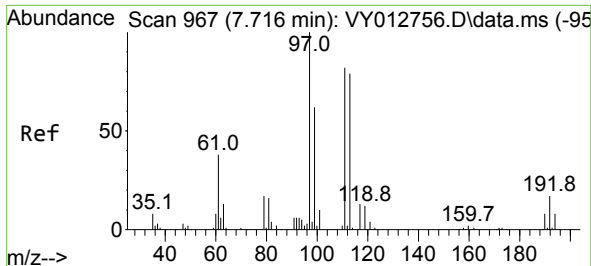
Tgt Ion: 65 Resp: 49799
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. -0.000 min
 Lab File: VY013097.D
 Acq: 27 Mar 2023 17:17

Tgt Ion: 114 Resp: 133475
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 37.4
 88 15.5 0.0 28.6

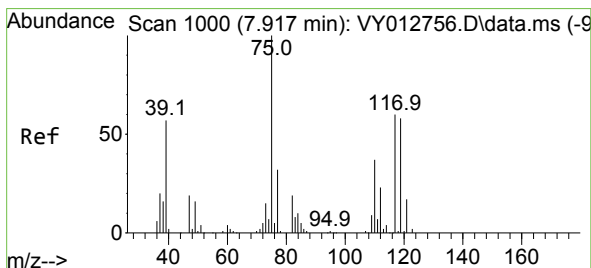
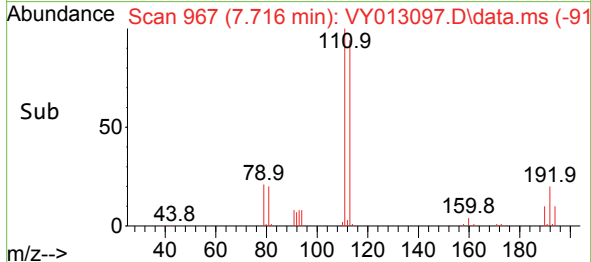
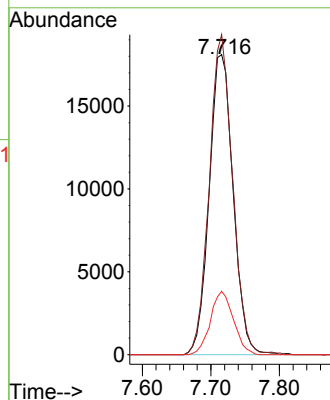
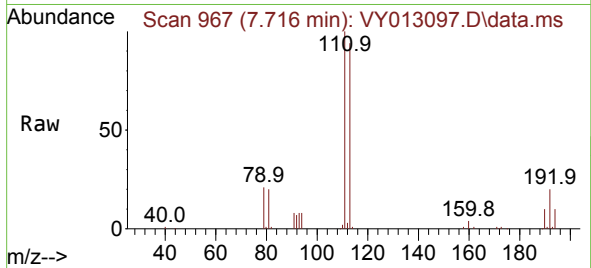




#35
Dibromofluoromethane
Concen: 54.536 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY013097.D
Acq: 27 Mar 2023 17:17

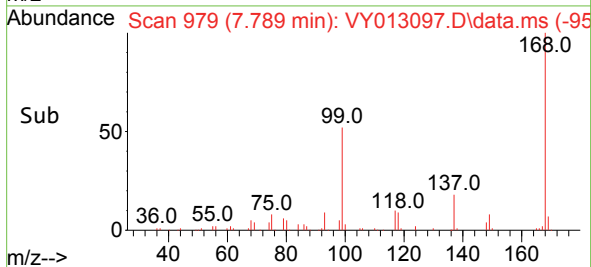
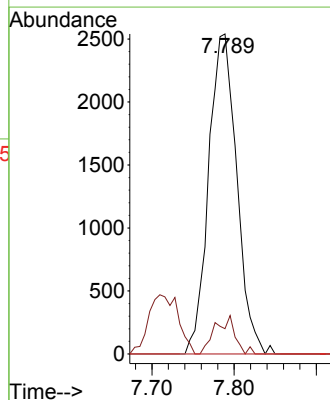
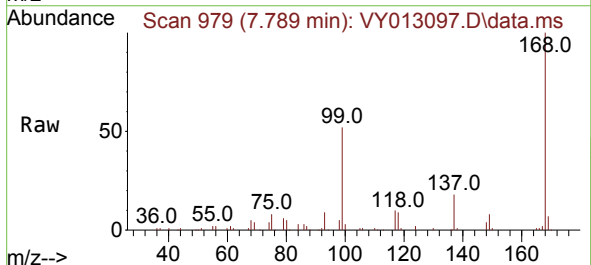
Instrument :
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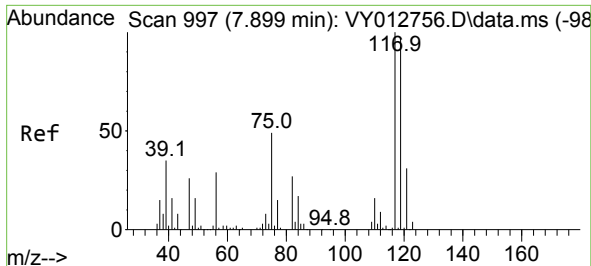
Tgt Ion:113 Resp: 43930
Ion Ratio Lower Upper
113 100
111 103.9 82.2 123.2
192 20.3 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.473 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013097.D
Acq: 27 Mar 2023 17:17

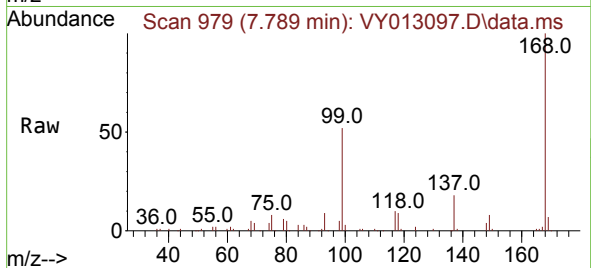
Tgt Ion: 75 Resp: 6038
Ion Ratio Lower Upper
75 100
110 8.6 17.8 53.3#
77 0.0 25.0 37.4#



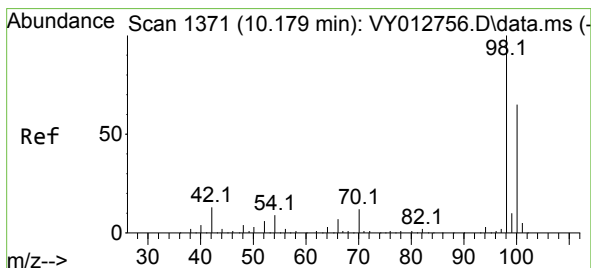
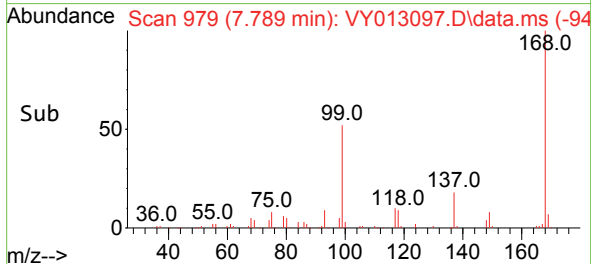
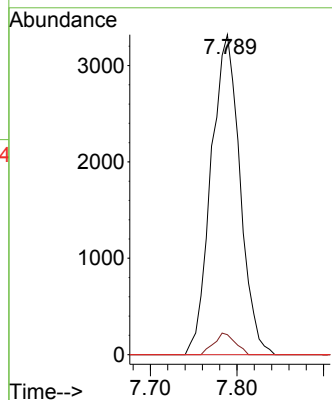


#38
Carbon Tetrachloride
Concen: 5.514 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013097.D
Acq: 27 Mar 2023 17:17

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-238

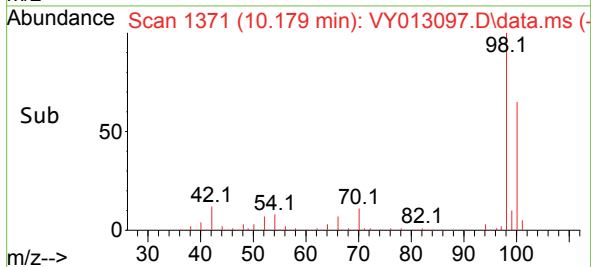
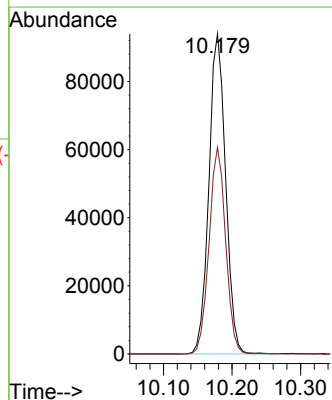
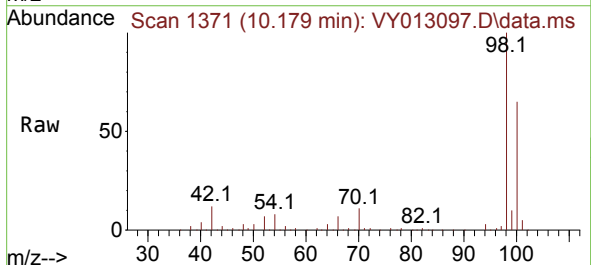


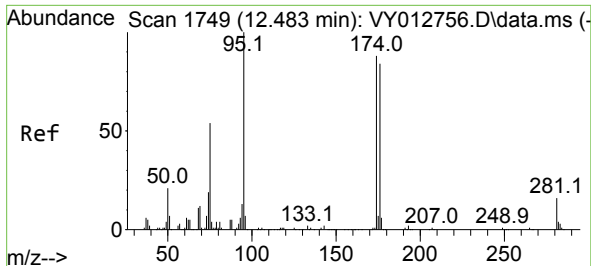
Tgt Ion:117 Resp: 7687
Ion Ratio Lower Upper
117 100
119 6.2 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 54.107 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013097.D
Acq: 27 Mar 2023 17:17

Tgt Ion: 98 Resp: 159334
Ion Ratio Lower Upper
98 100
100 64.0 50.9 76.3

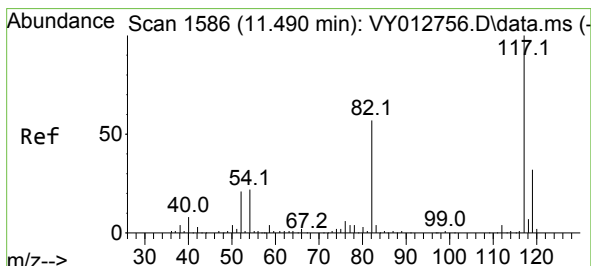
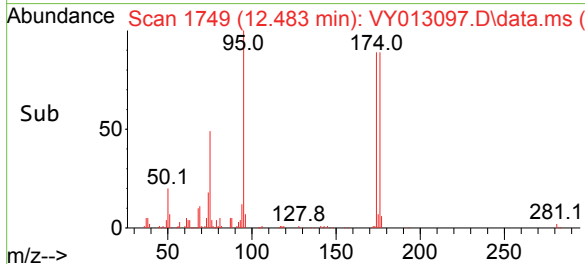
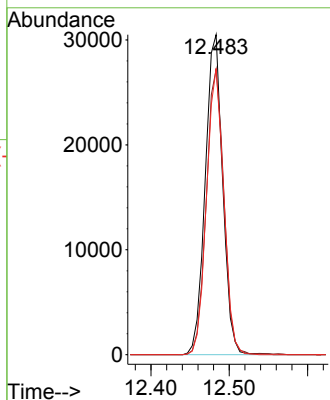
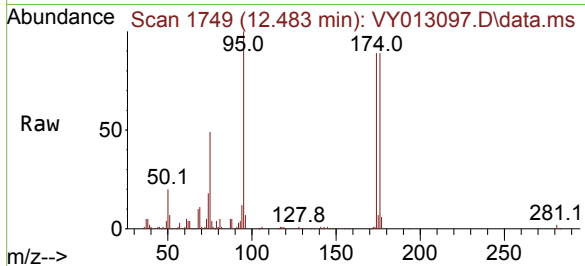




#62
4-Bromofluorobenzene
Concen: 47.285 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY013097.D
Acq: 27 Mar 2023 17:17

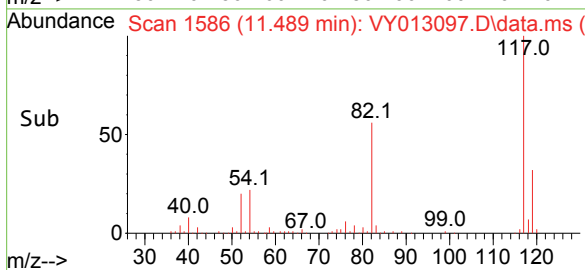
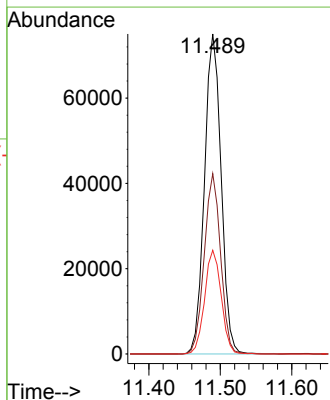
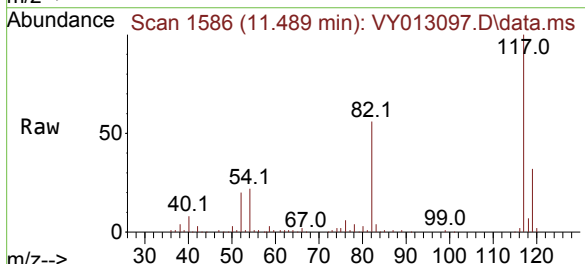
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-238

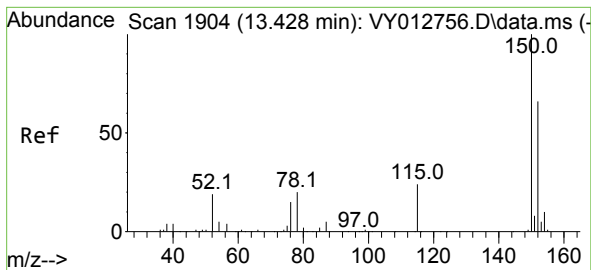
Tgt Ion:	95	Resp:	46999
Ion	Ratio	Lower	Upper
95	100		
174	89.9	0.0	176.6
176	88.4	0.0	170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY013097.D
Acq: 27 Mar 2023 17:17

Tgt Ion:	117	Resp:	121170
Ion	Ratio	Lower	Upper
117	100		
82	56.3	45.4	68.0
119	32.4	25.6	38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY013097.D

Acq: 27 Mar 2023 17:17

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-238

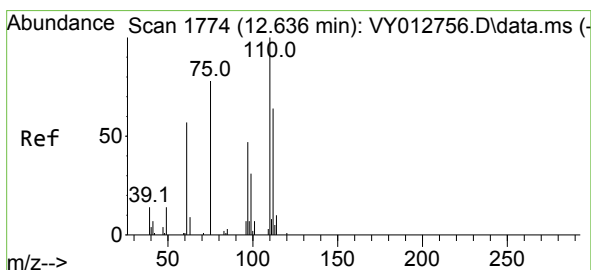
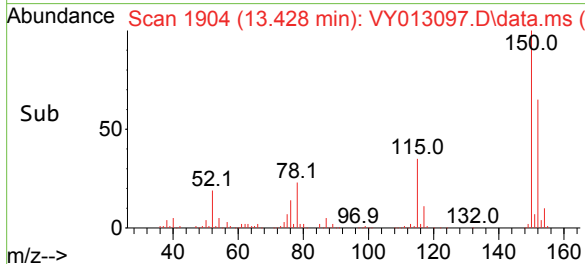
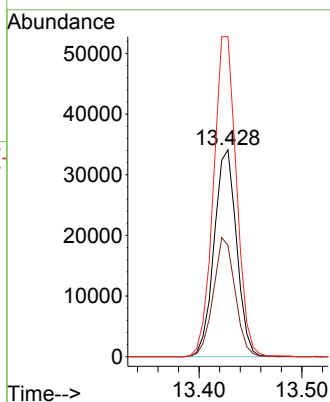
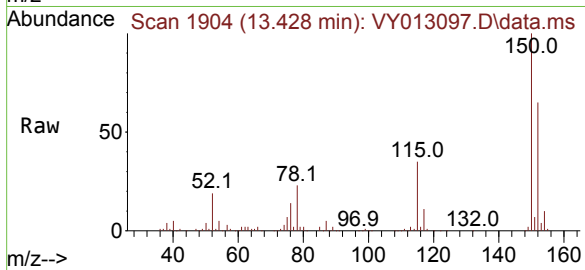
Tgt Ion:152 Resp: 51761

Ion Ratio Lower Upper

152 100

115 55.9 27.1 81.3

150 158.5 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 39.061 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.159 min

Lab File: VY013097.D

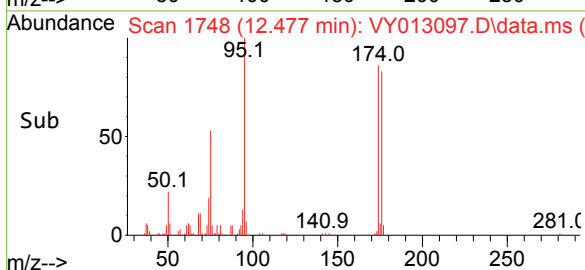
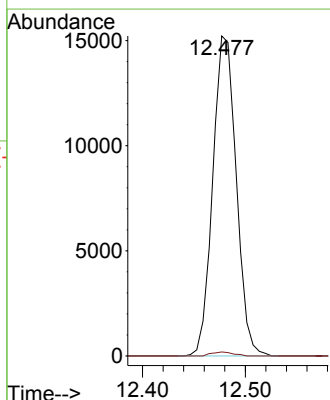
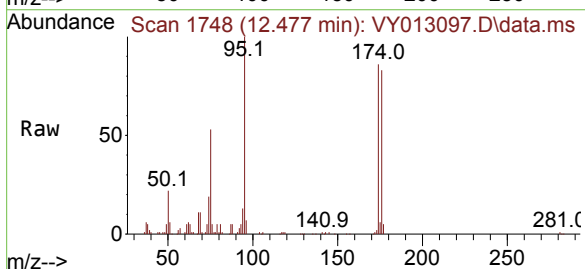
Acq: 27 Mar 2023 17:17

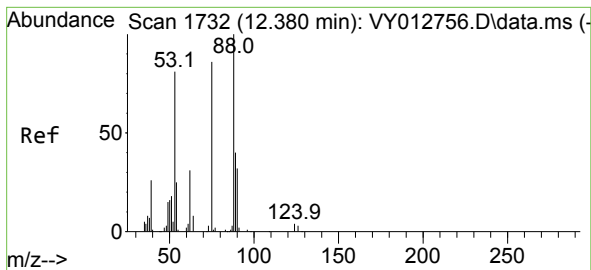
Tgt Ion: 75 Resp: 24144

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.936 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY013097.D
 Acq: 27 Mar 2023 17:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-238

Tgt Ion: 75 Resp: 24144
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.4 110.0#
 89 0.0 36.6 55.0#

