

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032423\
 Data File : VY013077.D
 Acq On : 24 Mar 2023 14:38
 Operator : KP/MD
 Sample : 02082-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-224

Quant Time: Mar 25 03:33:57 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)

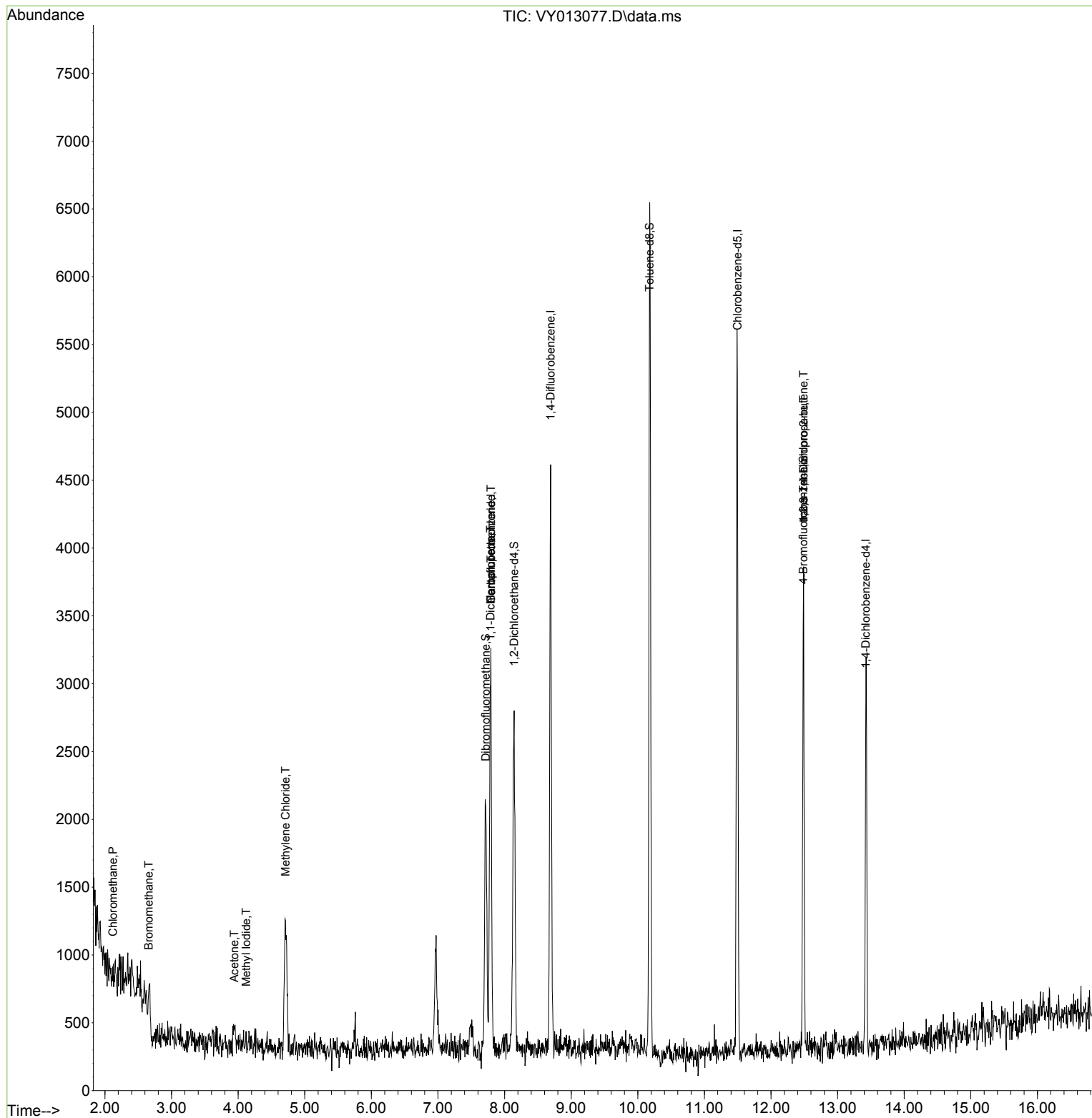
Internal Standards						
1) Pentafluorobenzene	7.795	168	2609	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	3666	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	3461	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	816	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	1923	74.236	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163		Recovery	= 148.480%	
35) Dibromofluoromethane	7.716	113	1441	65.132	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147		Recovery	= 130.260%	
50) Toluene-d8	10.179	98	4679	57.850	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140		Recovery	= 115.700%	
62) 4-Bromofluorobenzene	12.483	95	1189	43.554	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144		Recovery	= 87.100%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	91	2.960	ug/l #	42
5) Bromomethane	2.656	94	83	4.845	ug/l #	1
10) Methyl Iodide	4.119	142	52	1.417	ug/l #	40
16) Acetone	3.942	43	254	24.982	ug/l #	44
20) Methylene Chloride	4.710	84	744	20.847	ug/l #	79
36) 1,1-Dichloropropene	7.789	75	180	4.855	ug/l #	41
38) Carbon Tetrachloride	7.795	117	238	6.216	ug/l #	12
76) 1,2,3-Trichloropropane	12.489	75	639	65.576	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	639	135.876	ug/l #	13

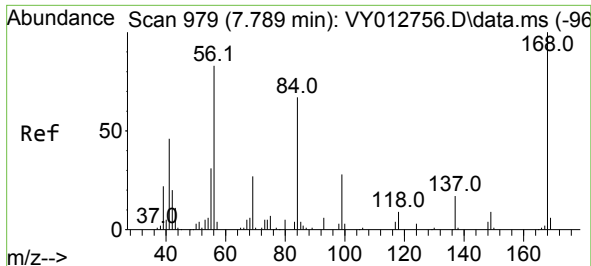
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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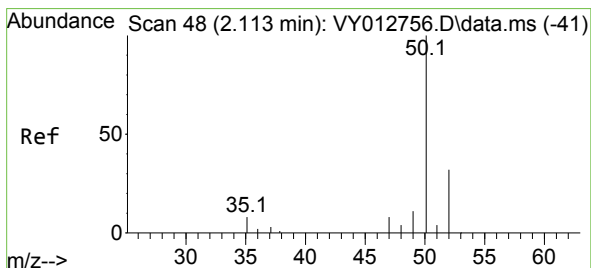
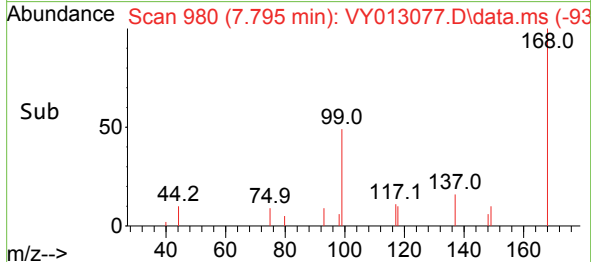
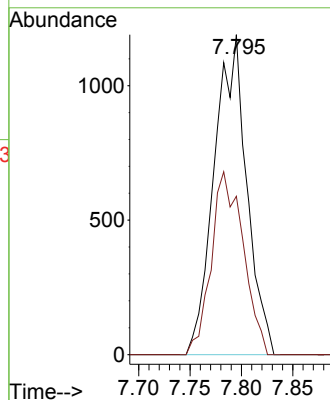
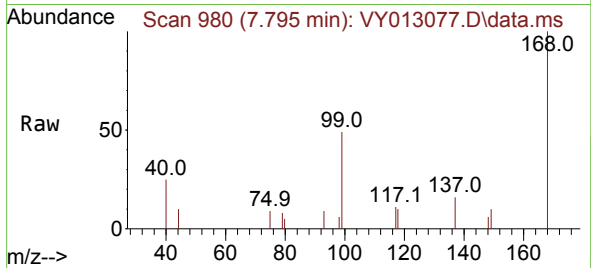




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013077.D
Acq: 24 Mar 2023 14:38

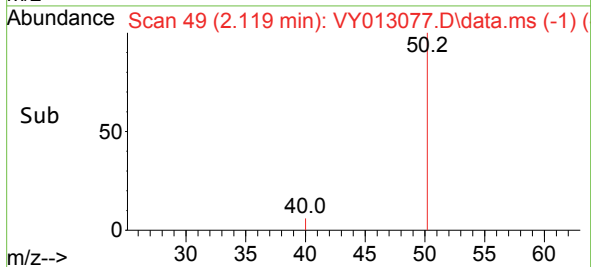
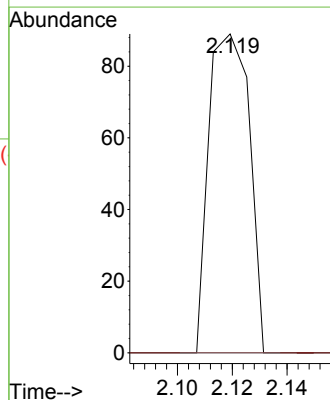
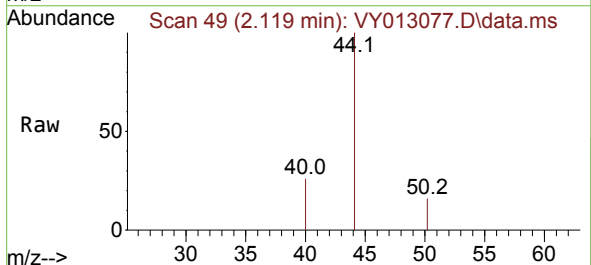
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-224

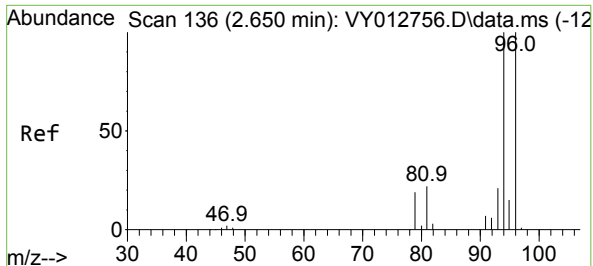
Tgt Ion:168 Resp: 2609
Ion Ratio Lower Upper
168 100
99 49.5 41.7 62.5



#3
Chloromethane
Concen: 2.960 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY013077.D
Acq: 24 Mar 2023 14:38

Tgt Ion: 50 Resp: 91
Ion Ratio Lower Upper
50 100
52 0.0 26.0 39.0#





#5

Bromomethane

Concen: 4.845 ug/l

RT: 2.656 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY013077.D

Acq: 24 Mar 2023 14:38

Instrument :

MSVOA_Y

ClientSampleId :

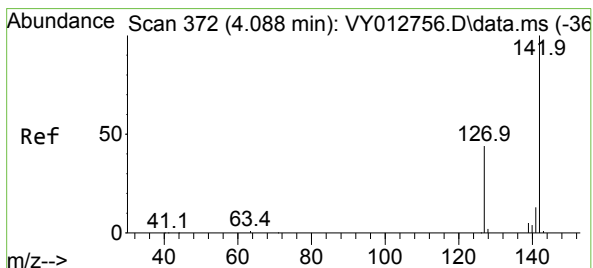
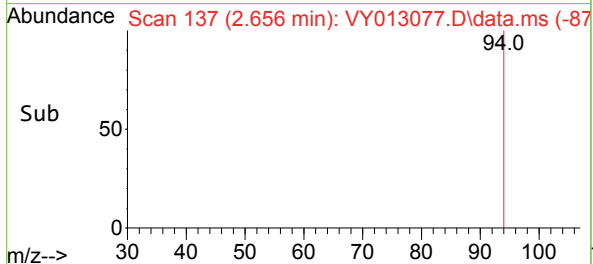
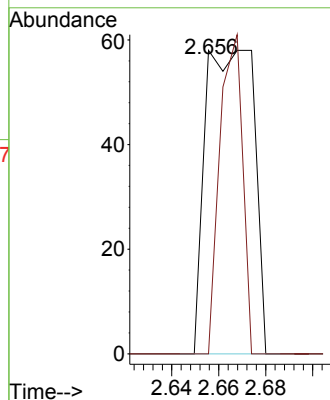
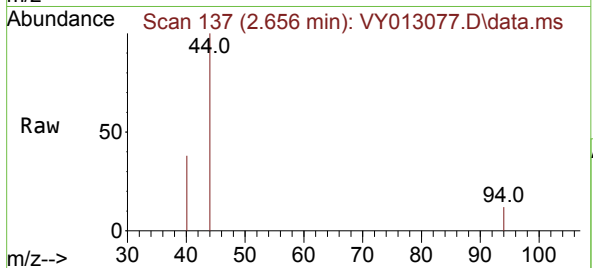
VNJ-224

Tgt Ion: 94 Resp: 83

Ion Ratio Lower Upper

94 100

96 0.0 80.3 120.5#



#10

Methyl Iodide

Concen: 1.417 ug/l

RT: 4.119 min Scan# 377

Delta R.T. 0.031 min

Lab File: VY013077.D

Acq: 24 Mar 2023 14:38

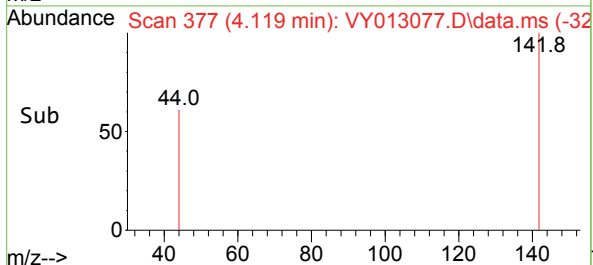
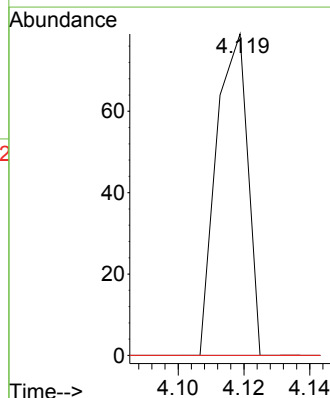
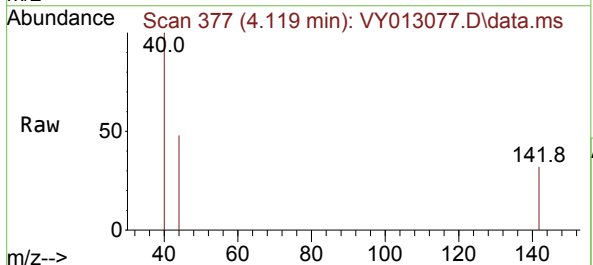
Tgt Ion: 142 Resp: 52

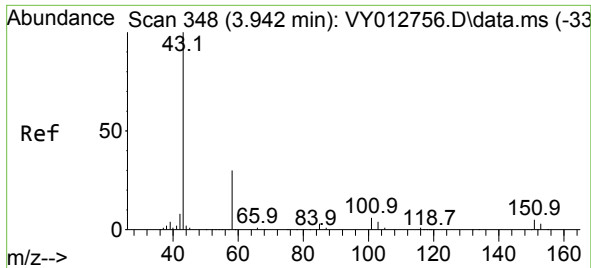
Ion Ratio Lower Upper

142 100

127 0.0 35.4 53.2#

141 0.0 11.3 16.9#





#16

Acetone

Concen: 24.982 ug/l

RT: 3.942 min Scan# 34

Delta R.T. 0.000 min

Lab File: VY013077.D

Acq: 24 Mar 2023 14:38

Instrument :

MSVOA_Y

ClientSampleId :

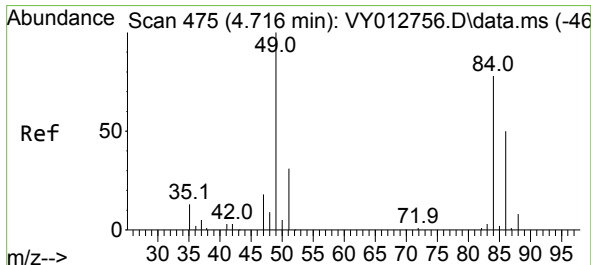
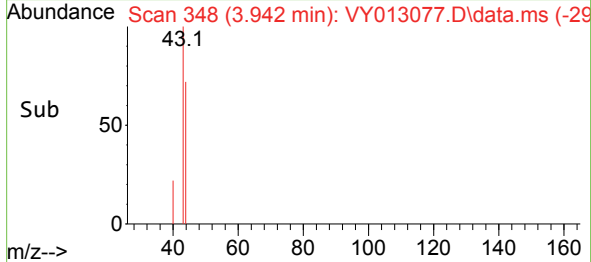
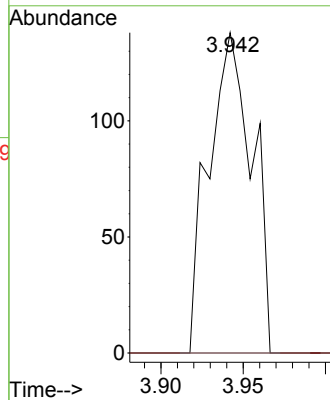
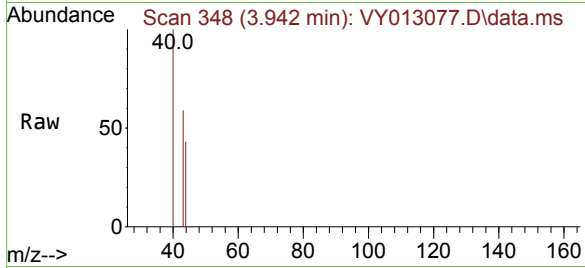
VNJ-224

Tgt Ion: 43 Resp: 254

Ion Ratio Lower Upper

43 100

58 0.0 24.2 36.2#



#20

Methylene Chloride

Concen: 20.847 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY013077.D

Acq: 24 Mar 2023 14:38

Tgt Ion: 84 Resp: 744

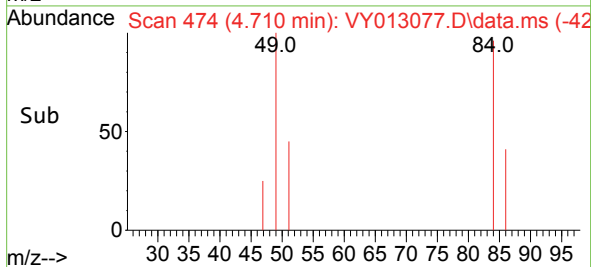
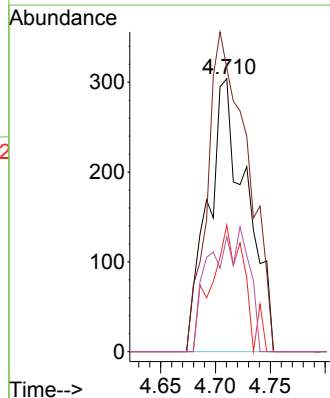
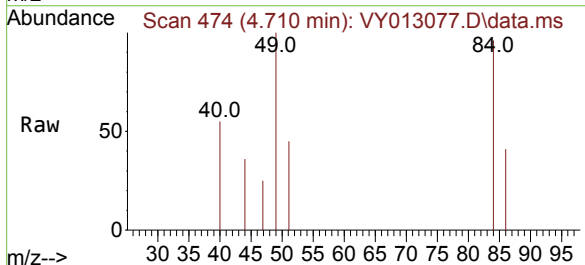
Ion Ratio Lower Upper

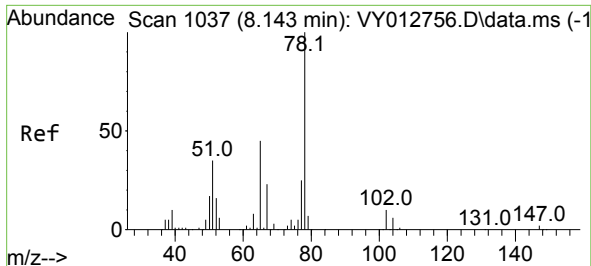
84 100

49 103.9 102.6 154.0

51 46.4 31.9 47.9

86 42.1 51.0 76.6#

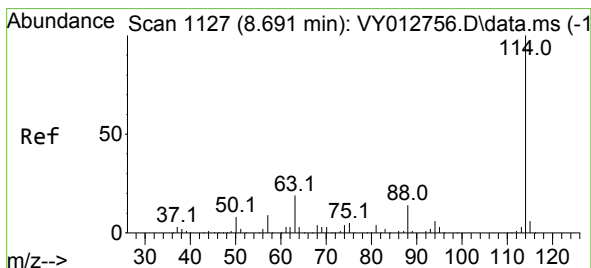
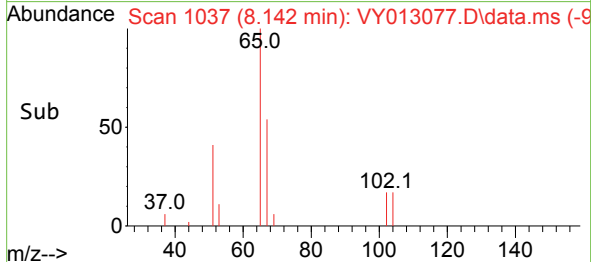
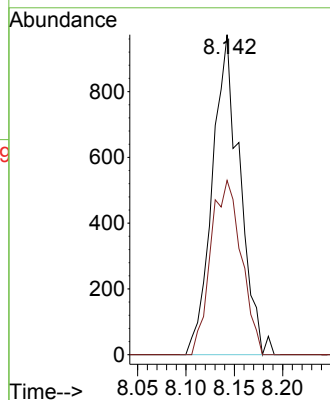
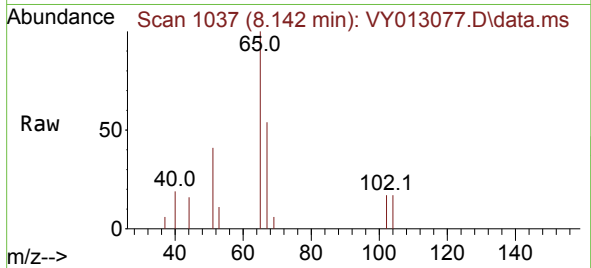




#33
 1,2-Dichloroethane-d4
 Concen: 74.236 ug/l
 RT: 8.142 min Scan# 1037
 Delta R.T. -0.001 min
 Lab File: VY013077.D
 Acq: 24 Mar 2023 14:38

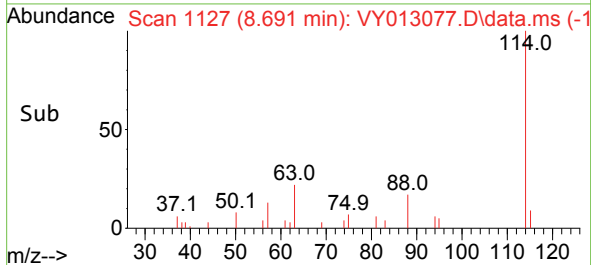
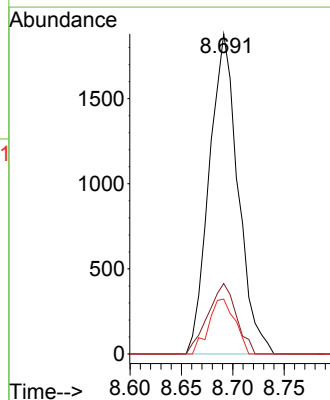
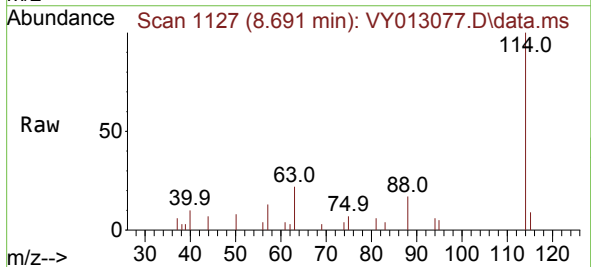
Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-224

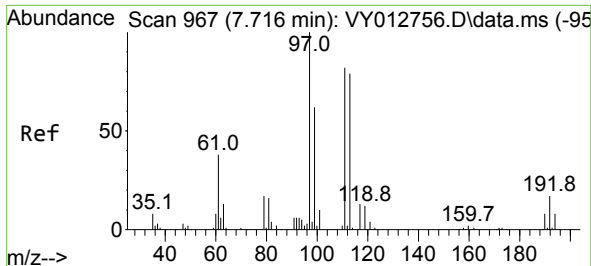
Tgt Ion: 65 Resp: 1923
 Ion Ratio Lower Upper
 65 100
 67 60.6 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. -0.000 min
 Lab File: VY013077.D
 Acq: 24 Mar 2023 14:38

Tgt Ion: 114 Resp: 3666
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 37.4
 88 17.2 0.0 28.6

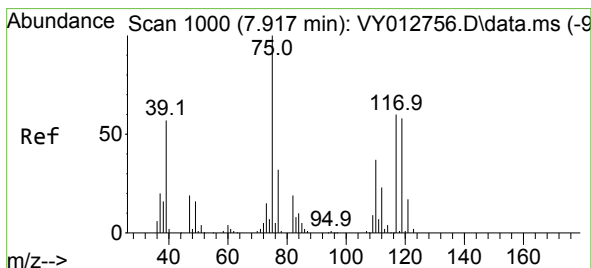
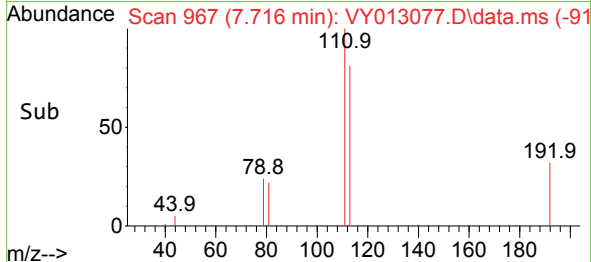
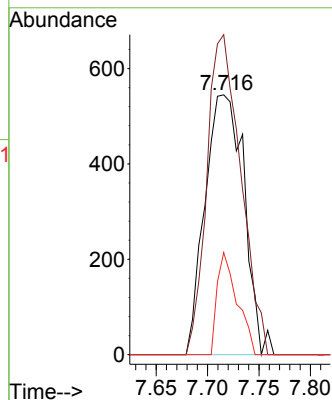
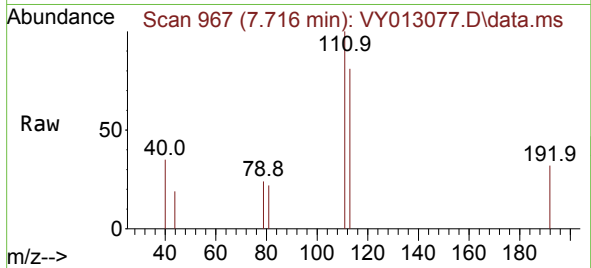




#35
Dibromofluoromethane
Concen: 65.132 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY013077.D
Acq: 24 Mar 2023 14:38

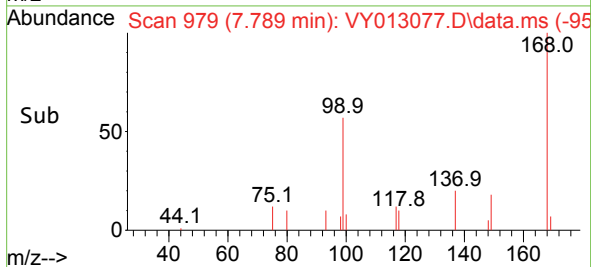
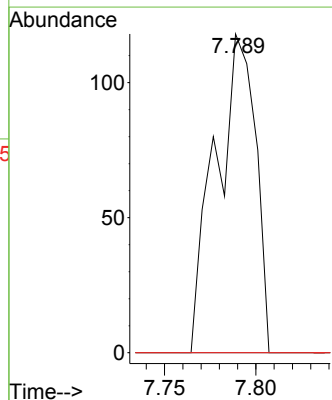
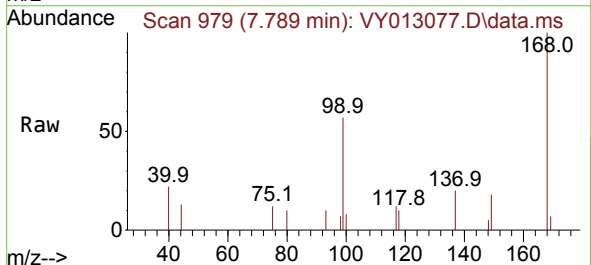
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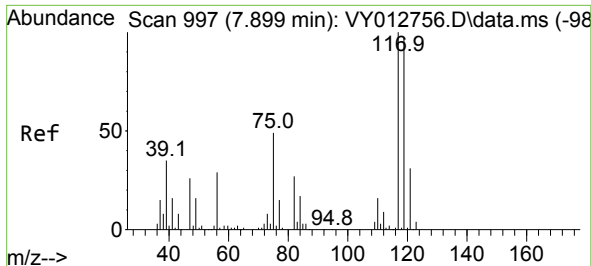
Tgt Ion:113 Resp: 1441
Ion Ratio Lower Upper
113 100
111 106.7 82.2 123.2
192 20.1 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.855 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013077.D
Acq: 24 Mar 2023 14:38

Tgt Ion: 75 Resp: 180
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.3#
77 0.0 25.0 37.4#

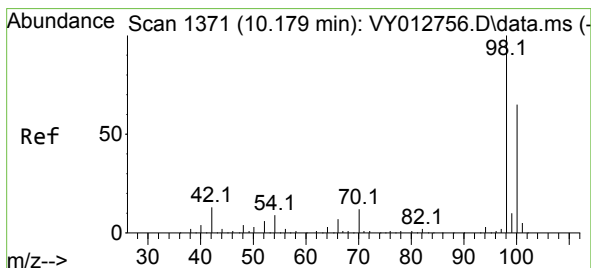
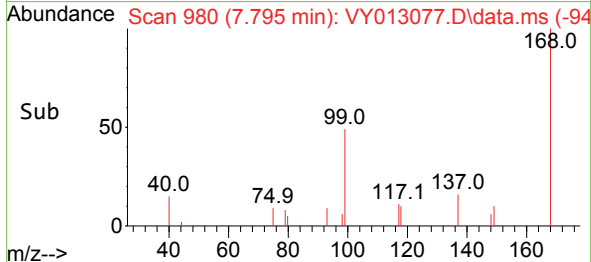
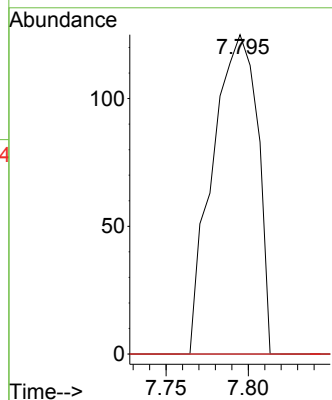
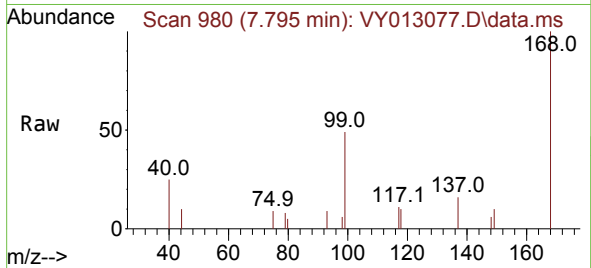




#38
Carbon Tetrachloride
Concen: 6.216 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY013077.D
Acq: 24 Mar 2023 14:38

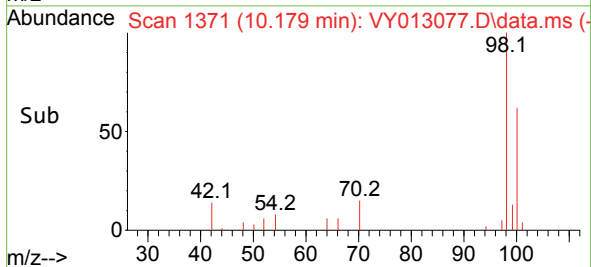
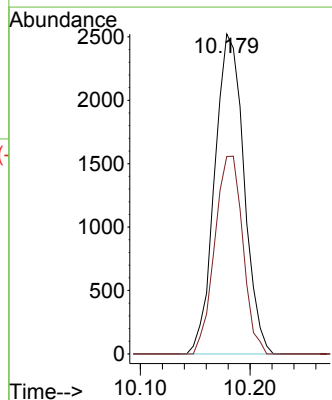
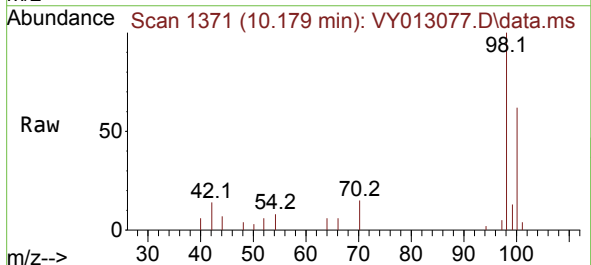
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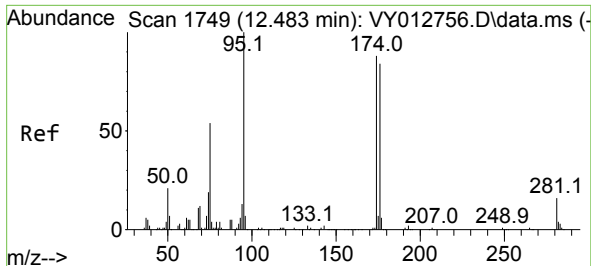
Tgt Ion:117 Resp: 238
Ion Ratio Lower Upper
117 100
119 0.0 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 57.850 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013077.D
Acq: 24 Mar 2023 14:38

Tgt Ion: 98 Resp: 4679
Ion Ratio Lower Upper
98 100
100 59.3 50.9 76.3

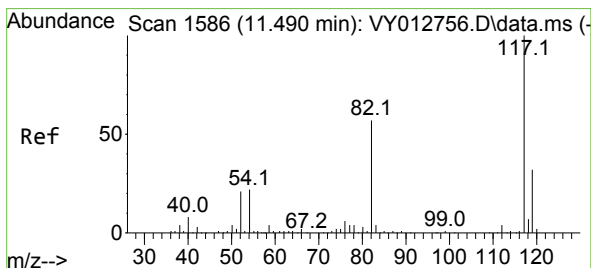
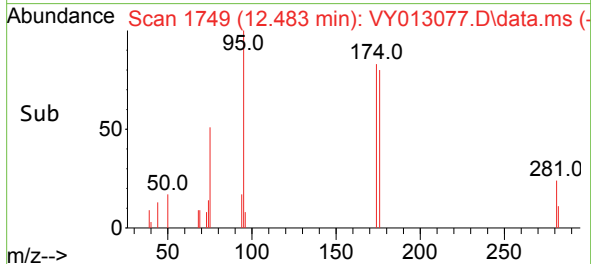
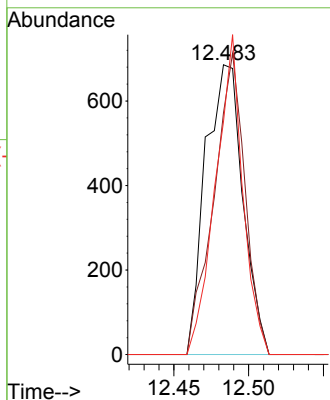
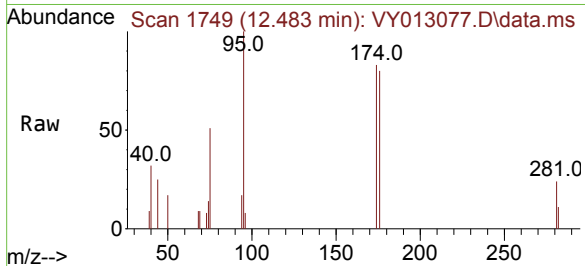




#62
4-Bromofluorobenzene
Concen: 43.554 ug/l
RT: 12.483 min Scan# 1189
Delta R.T. -0.000 min
Lab File: VY013077.D
Acq: 24 Mar 2023 14:38

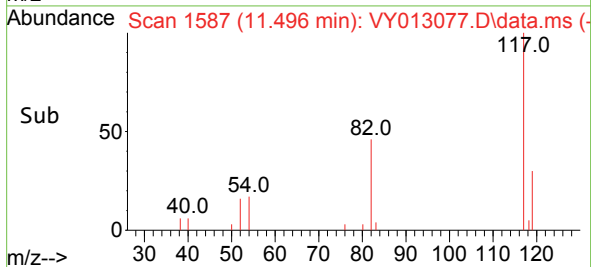
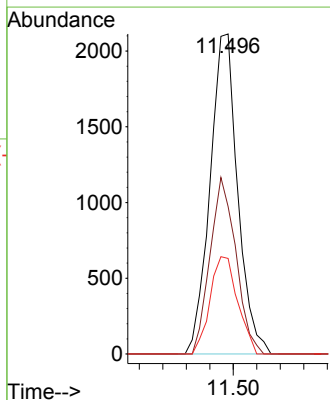
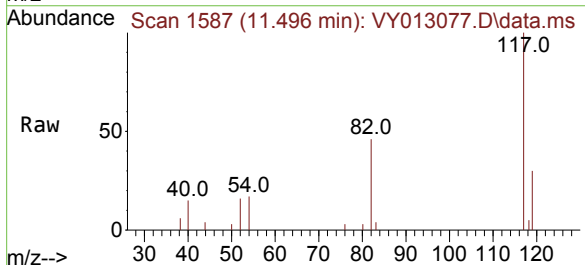
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-224

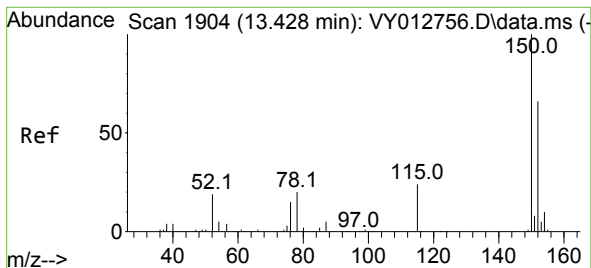
Tgt Ion:	95	Resp:	1189
Ion	Ratio	Lower	Upper
95	100		
174	87.0	0.0	176.6
176	80.4	0.0	170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY013077.D
Acq: 24 Mar 2023 14:38

Tgt Ion:	117	Resp:	3461
Ion	Ratio	Lower	Upper
117	100		
82	46.0	45.4	68.0
119	29.9	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: VY013077.D

Acq: 24 Mar 2023 14:38

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-224

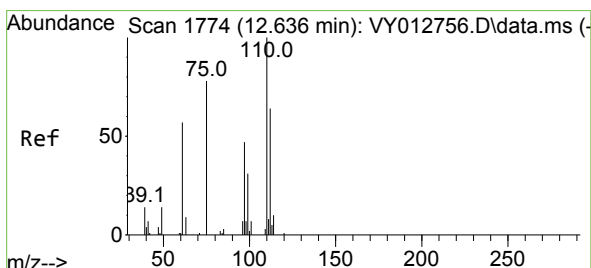
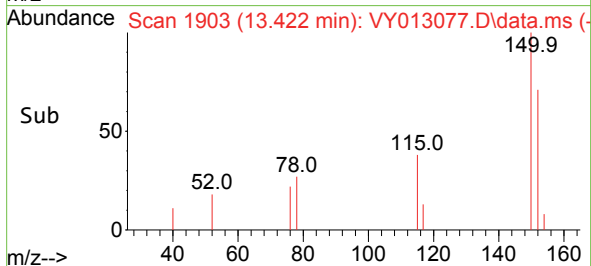
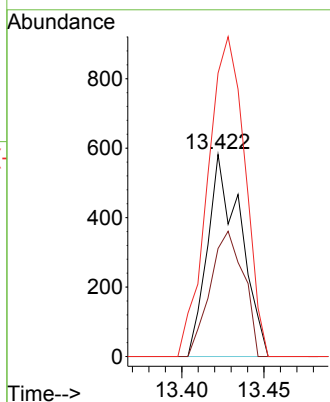
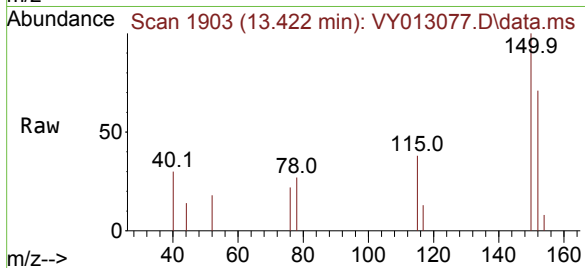
Tgt Ion:152 Resp: 816

Ion Ratio Lower Upper

152 100

115 62.7 27.1 81.3

150 177.9 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 65.576 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.146 min

Lab File: VY013077.D

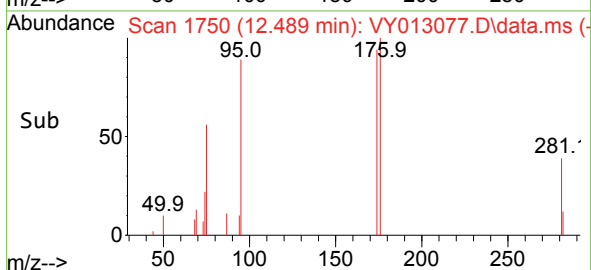
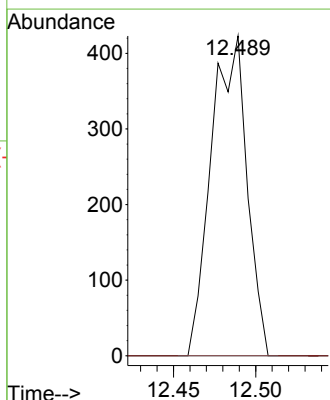
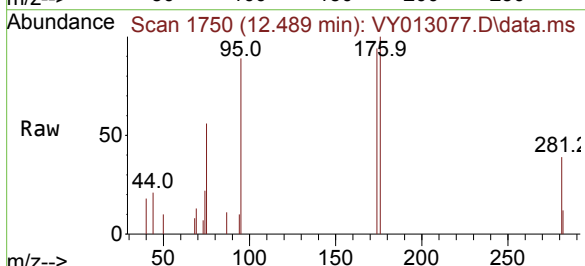
Acq: 24 Mar 2023 14:38

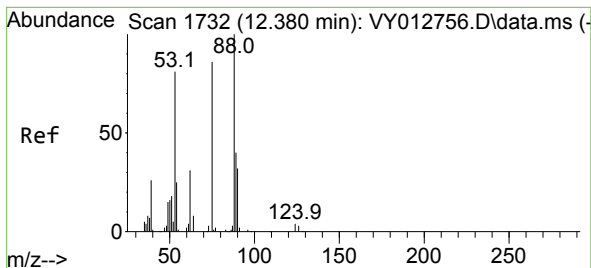
Tgt Ion: 75 Resp: 639

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 135.876 ug/l
 RT: 12.489 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY013077.D
 Acq: 24 Mar 2023 14:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-224

Tgt Ion: 75 Resp: 639
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.4 110.0#
 89 0.0 36.6 55.0#

