

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111723\
 Data File : VY016418.D
 Acq On : 17 Nov 2023 18:26
 Operator : SY/MD
 Sample : 05466-01
 Misc : 4.68g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 18 05:23:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

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

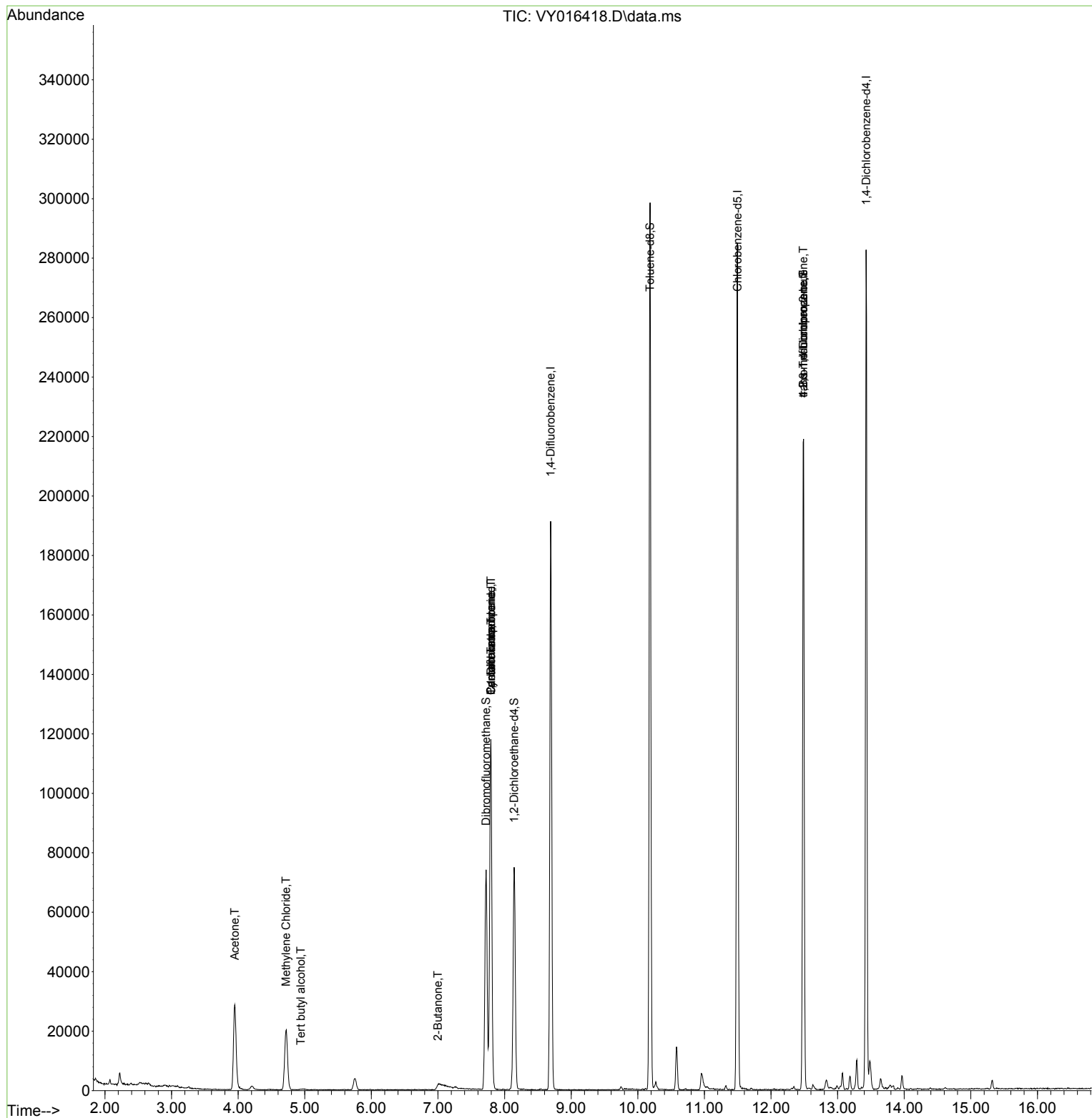
Internal Standards						
1) Pentafluorobenzene	7.795	168	94933	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	169104	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.495	117	161597	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	74234	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	58624	67.566	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 135.140%			
35) Dibromofluoromethane	7.722	113	53800	56.006	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.020%			
50) Toluene-d8	10.185	98	199559	51.228	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.460%			
62) 4-Bromofluorobenzene	12.483	95	68800	54.379	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.760%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.942	59	338	4.975	ug/l #	89
16) Acetone	3.948	43	51597	359.510	ug/l #	87
20) Methylene Chloride	4.716	84	16303	13.542	ug/l #	85
25) 2-Butanone	6.996	43	1403	5.581	ug/l	91
31) Cyclohexane	7.795	56	1752	1.026	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	7226	4.332	ug/l #	50
38) Carbon Tetrachloride	7.795	117	9529	5.504	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	34621	48.617	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	34621	105.527	ug/l #	11

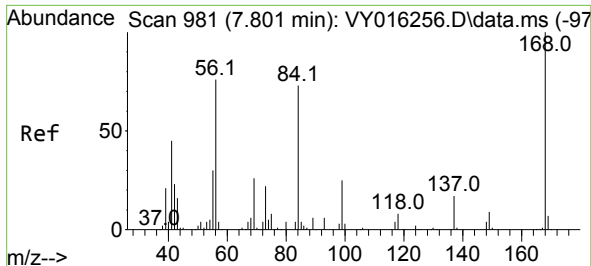
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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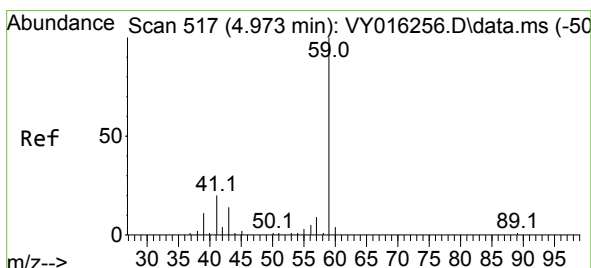
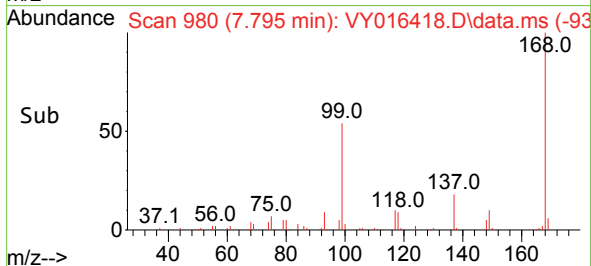
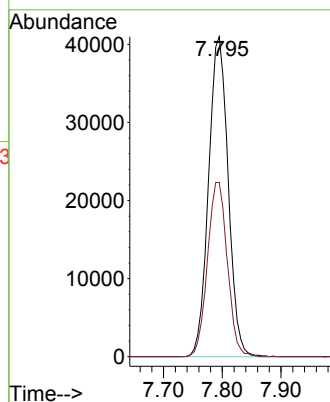
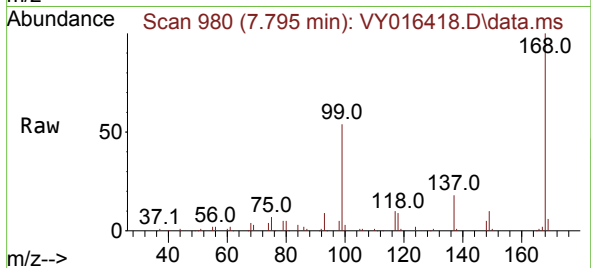




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016418.D
Acq: 17 Nov 2023 18:26

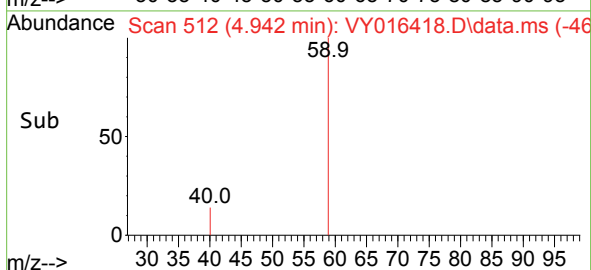
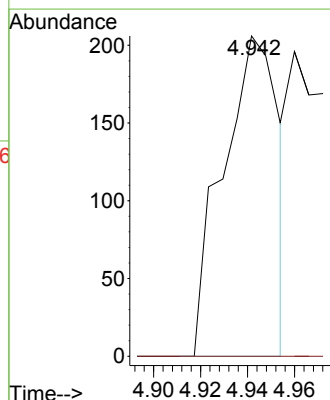
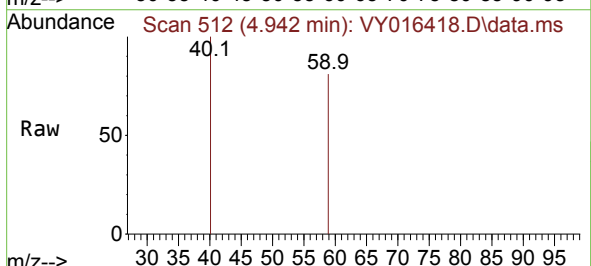
Instrument :
MSVOA_Y
ClientSampleId :

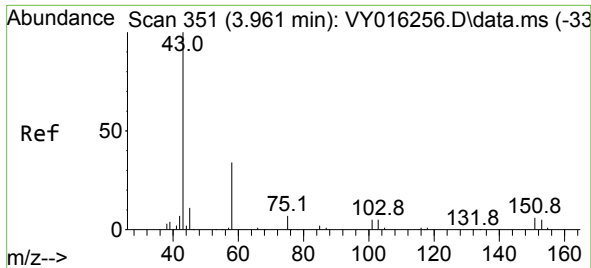
Tgt Ion:168 Resp: 94933
Ion Ratio Lower Upper
168 100
99 54.5 43.4 65.0



#11
Tert butyl alcohol
Concen: 4.975 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.031 min
Lab File: VY016418.D
Acq: 17 Nov 2023 18:26

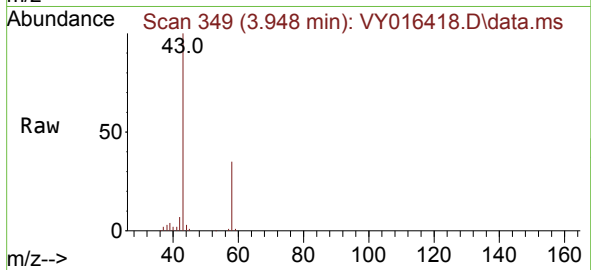
Tgt Ion: 59 Resp: 338
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



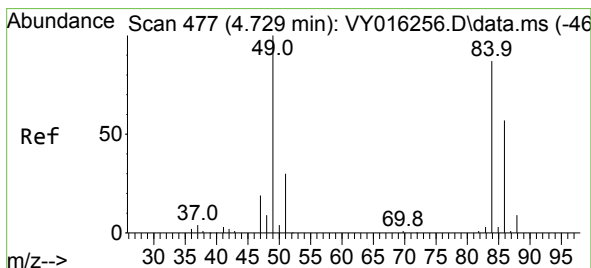
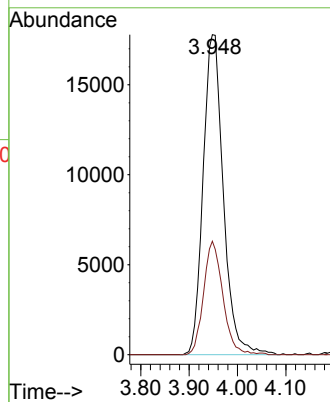
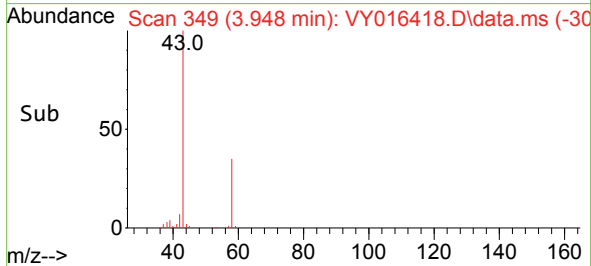


#16
Acetone
Concen: 359.510 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.013 min
Lab File: VY016418.D
Acq: 17 Nov 2023 18:26

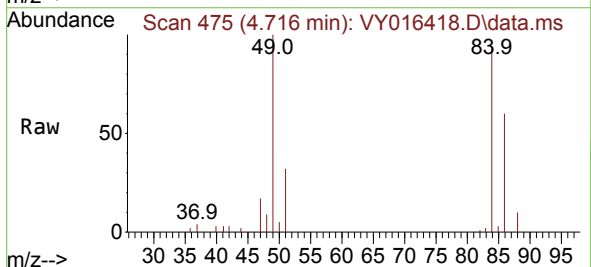
Instrument :
MSVOA_Y
ClientSampleId :



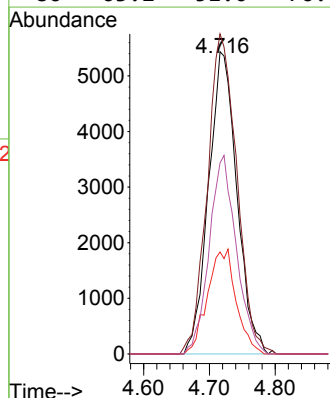
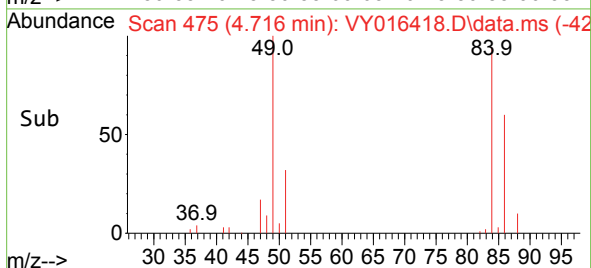
Tgt Ion: 43 Resp: 51597
Ion Ratio Lower Upper
43 100
58 35.5 22.7 34.1#

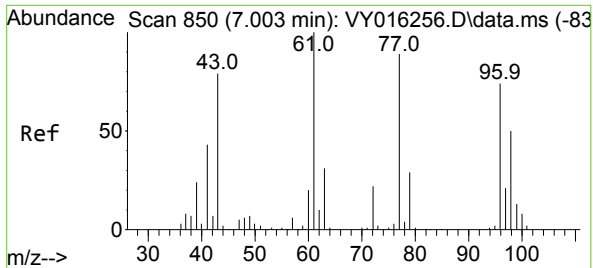


#20
Methylene Chloride
Concen: 13.542 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.013 min
Lab File: VY016418.D
Acq: 17 Nov 2023 18:26



Tgt Ion: 84 Resp: 16303
Ion Ratio Lower Upper
84 100
49 105.8 106.9 160.3#
51 33.7 33.2 49.8
86 63.2 51.0 76.6





#25

2-Butanone

Concen: 5.581 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY016418.D

Acq: 17 Nov 2023 18:26

Instrument :

MSVOA_Y

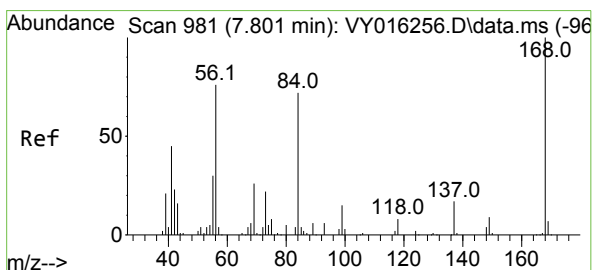
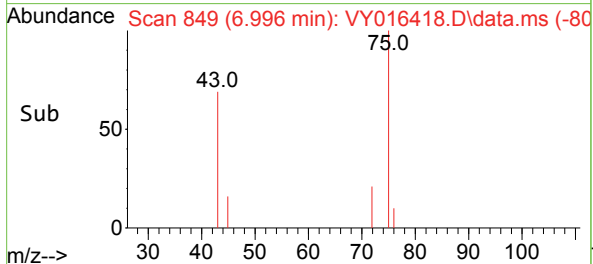
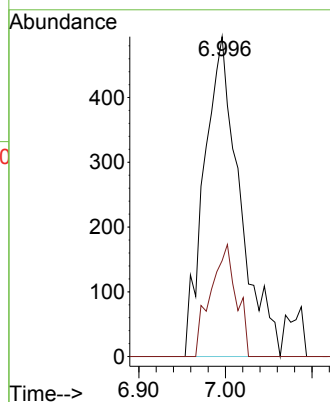
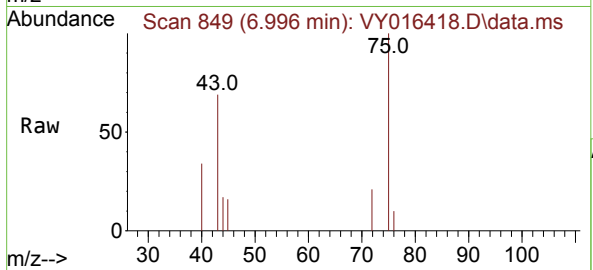
ClientSampleId :

Tgt Ion: 43 Resp: 1403

Ion Ratio Lower Upper

43 100

72 30.0 20.5 30.7



#31

Cyclohexane

Concen: 1.026 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.006 min

Lab File: VY016418.D

Acq: 17 Nov 2023 18:26

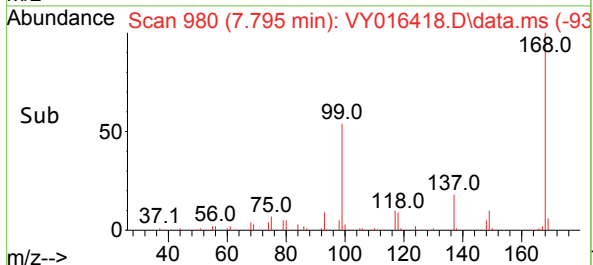
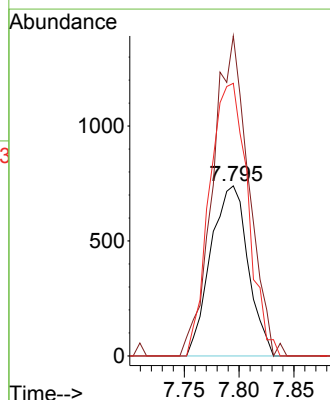
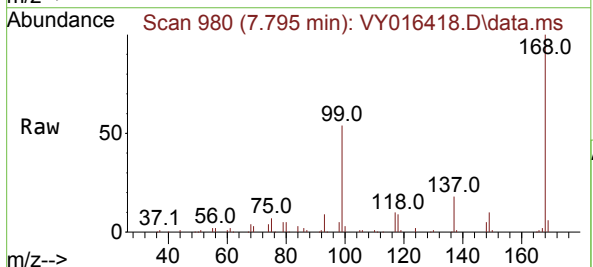
Tgt Ion: 56 Resp: 1752

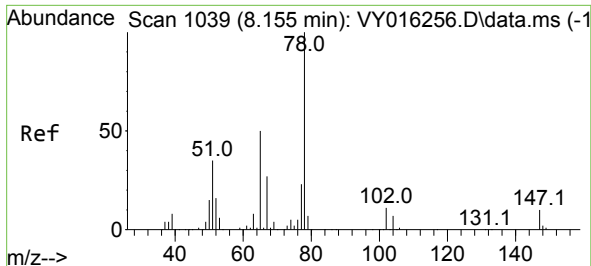
Ion Ratio Lower Upper

56 100

69 188.1 27.8 41.6#

84 160.3 66.4 99.6#

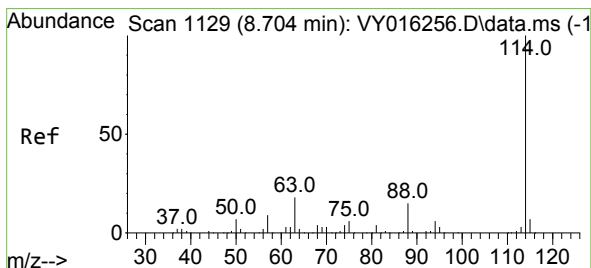
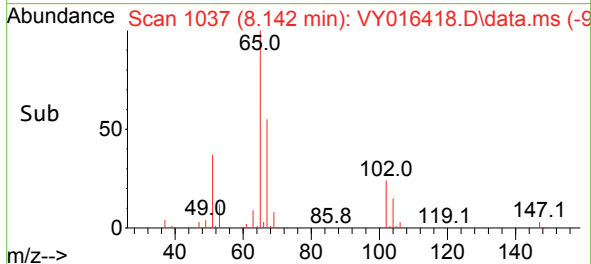
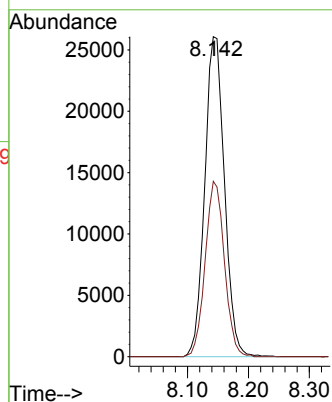
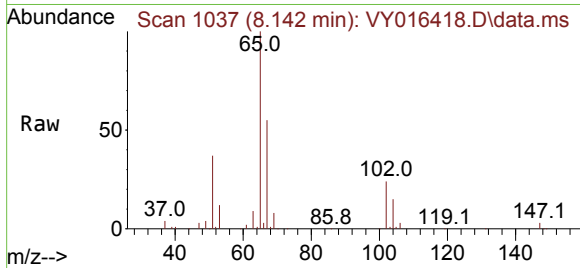




#33
 1,2-Dichloroethane-d4
 Concen: 67.566 ug/l
 RT: 8.142 min Scan# 1037
 Delta R.T. -0.013 min
 Lab File: VY016418.D
 Acq: 17 Nov 2023 18:26

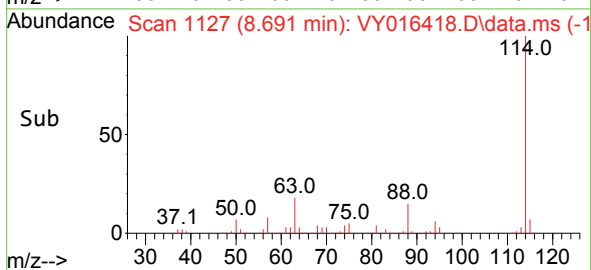
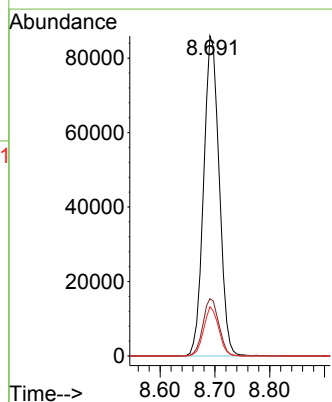
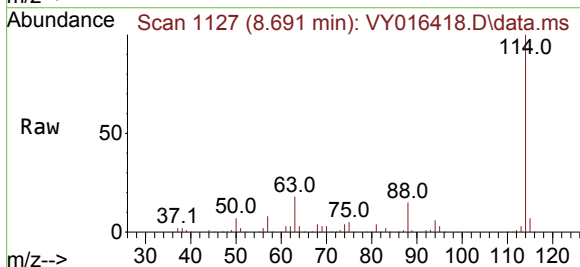
Instrument :
 MSVOA_Y
 ClientSampleId :

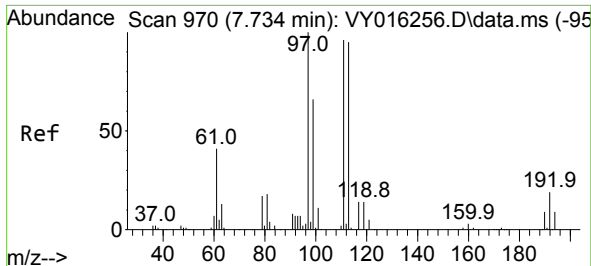
Tgt Ion: 65 Resp: 58624
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. -0.013 min
 Lab File: VY016418.D
 Acq: 17 Nov 2023 18:26

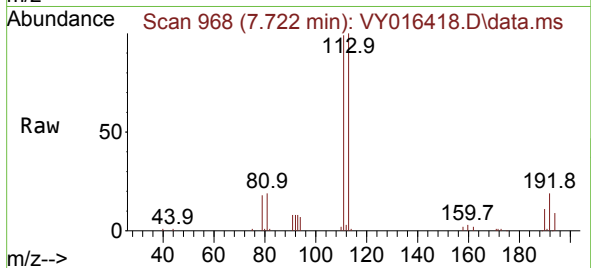
Tgt Ion: 114 Resp: 169104
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 42.4
 88 15.4 0.0 30.6



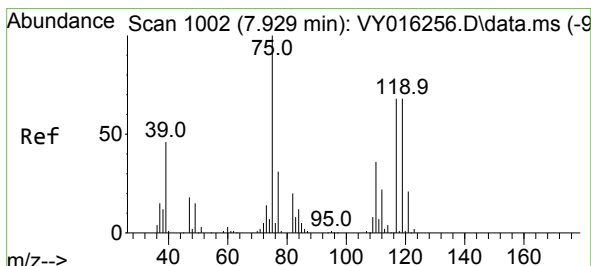
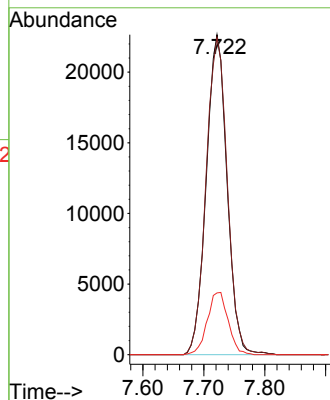
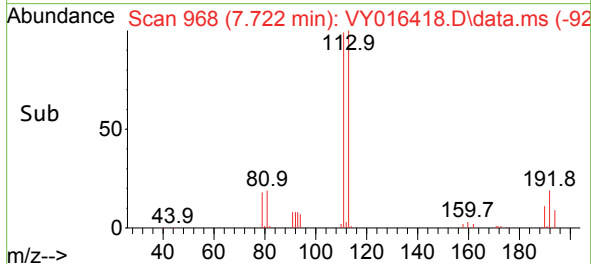


#35
Dibromofluoromethane
Concen: 56.006 ug/l
RT: 7.722 min Scan# 90
Delta R.T. -0.013 min
Lab File: VY016418.D
Acq: 17 Nov 2023 18:26

Instrument :
MSVOA_Y
ClientSampleId :

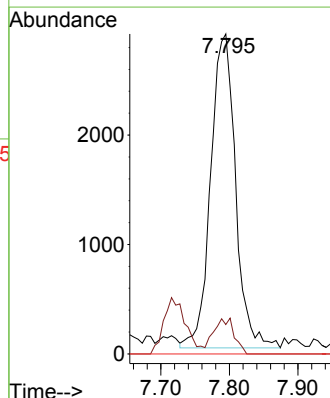
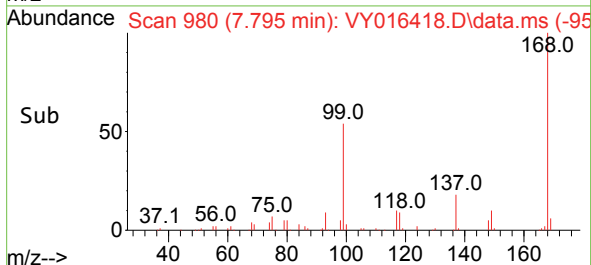
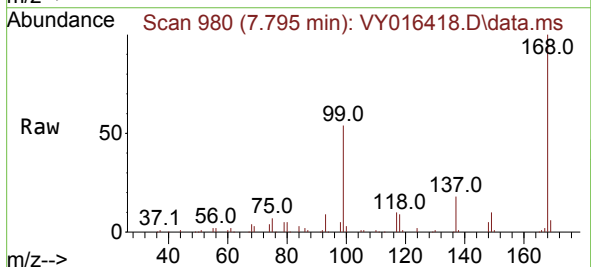


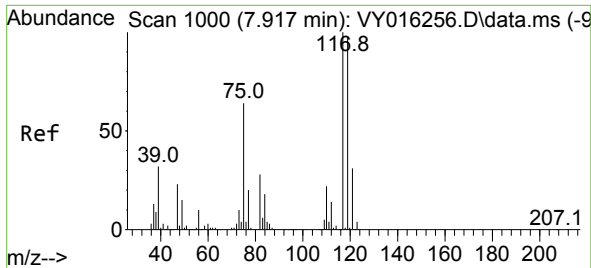
Tgt Ion:113 Resp: 53800
Ion Ratio Lower Upper
113 100
111 101.0 81.3 121.9
192 19.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.332 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.135 min
Lab File: VY016418.D
Acq: 17 Nov 2023 18:26

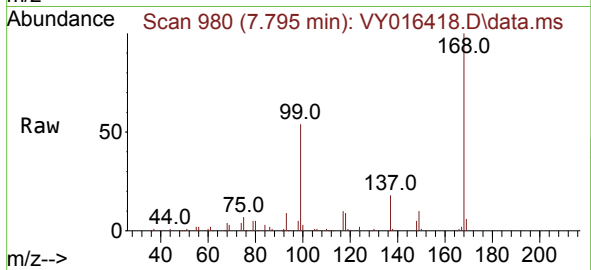
Tgt Ion: 75 Resp: 7226
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.5#
77 0.0 24.4 36.6#



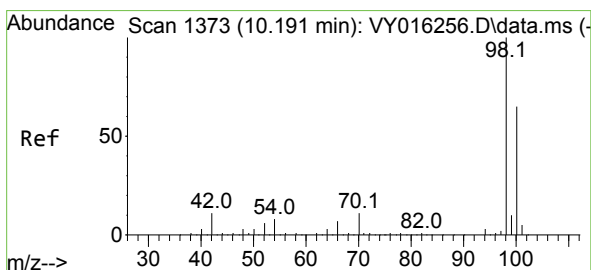
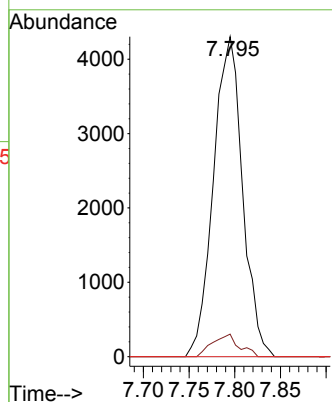
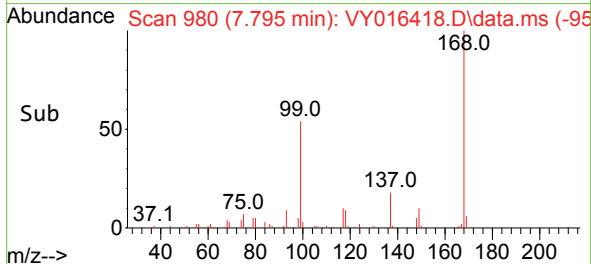


#38
Carbon Tetrachloride
Concen: 5.504 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY016418.D
Acq: 17 Nov 2023 18:26

Instrument :
MSVOA_Y
ClientSampleId :

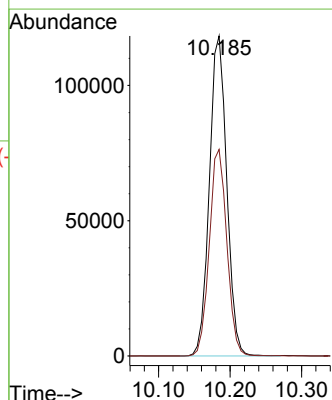
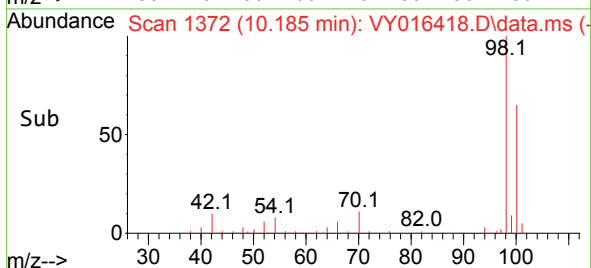
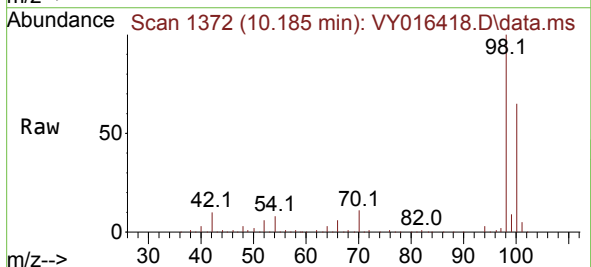


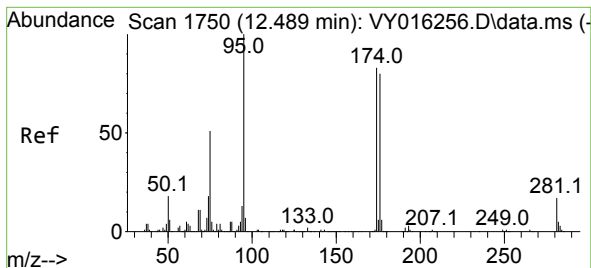
Tgt Ion:117 Resp: 9529
Ion Ratio Lower Upper
117 100
119 7.1 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 51.228 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.006 min
Lab File: VY016418.D
Acq: 17 Nov 2023 18:26

Tgt Ion: 98 Resp: 199559
Ion Ratio Lower Upper
98 100
100 65.2 50.1 75.1

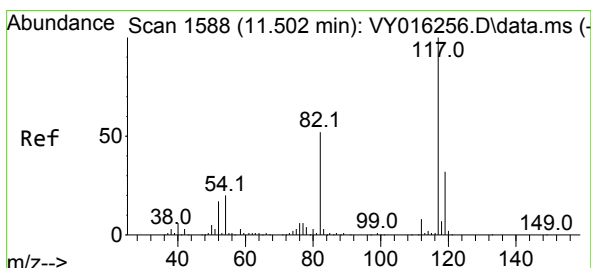
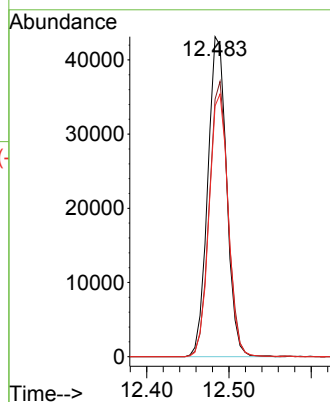
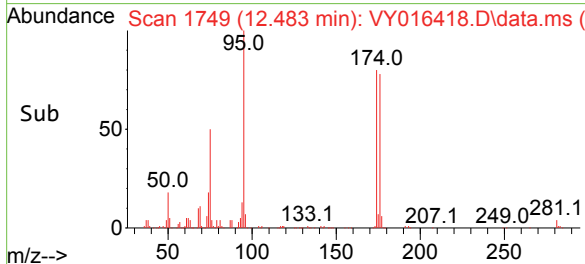
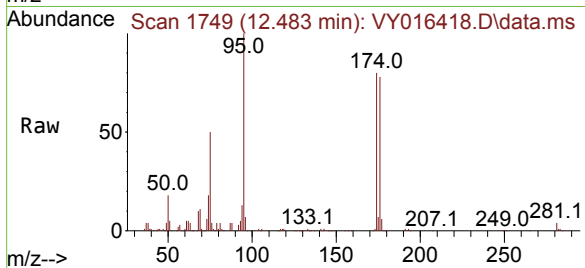




#62
4-Bromofluorobenzene
Concen: 54.379 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY016418.D
Acq: 17 Nov 2023 18:26

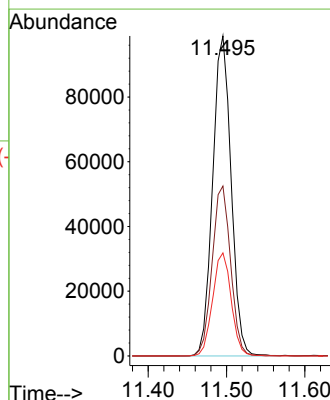
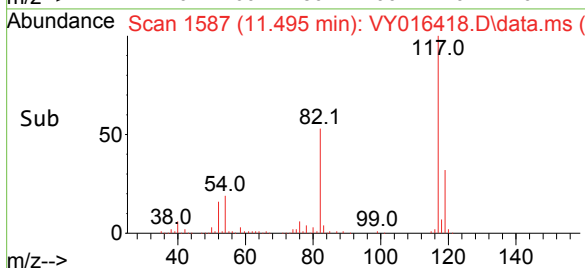
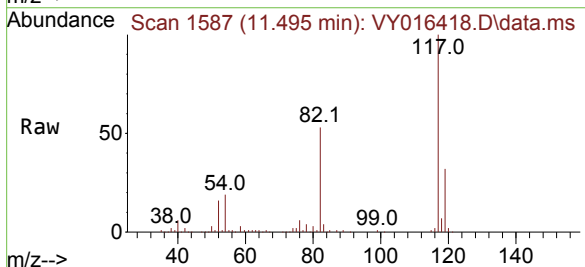
Instrument :
MSVOA_Y
ClientSampleId :

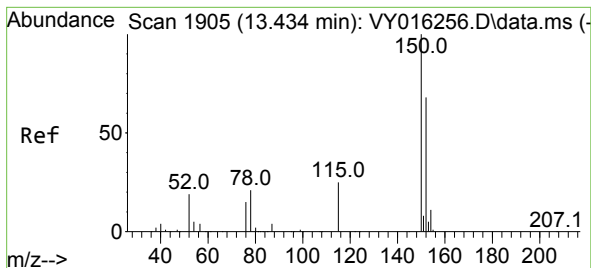
Tgt Ion: 95 Resp: 68800
Ion Ratio Lower Upper
95 100
174 85.7 0.0 178.2
176 83.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY016418.D
Acq: 17 Nov 2023 18:26

Tgt Ion: 117 Resp: 161597
Ion Ratio Lower Upper
117 100
82 53.1 43.4 65.0
119 32.2 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1905

Delta R.T. -0.006 min

Lab File: VY016418.D

Acq: 17 Nov 2023 18:26

Instrument :

MSVOA_Y

ClientSampleId :

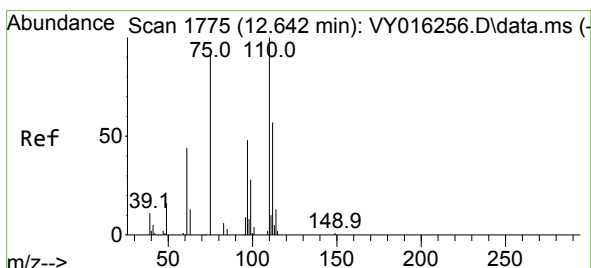
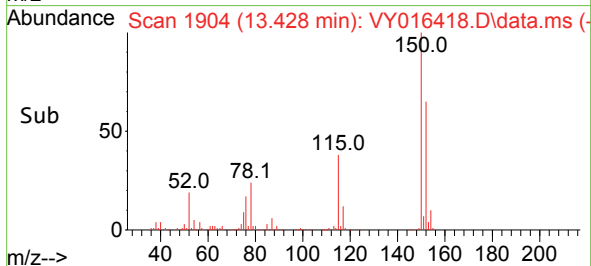
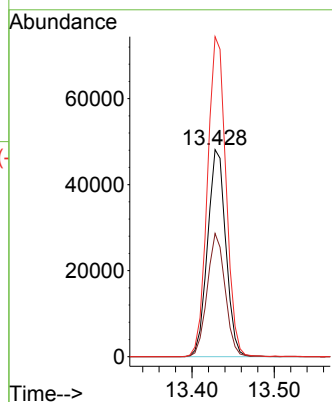
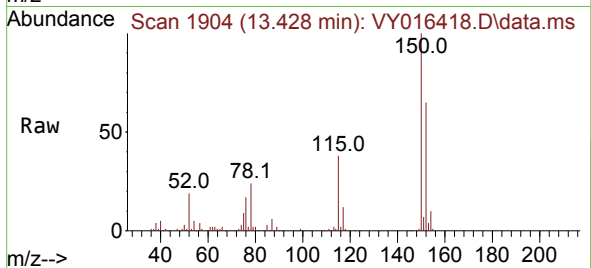
Tgt Ion:152 Resp: 74234

Ion Ratio Lower Upper

152 100

115 58.5 28.8 86.5

150 156.4 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 48.617 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.159 min

Lab File: VY016418.D

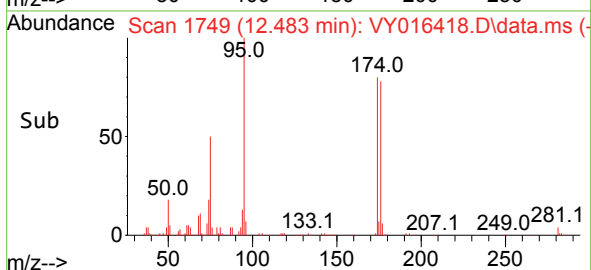
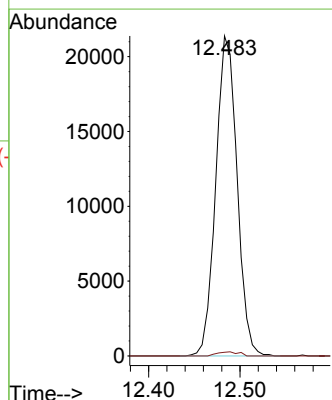
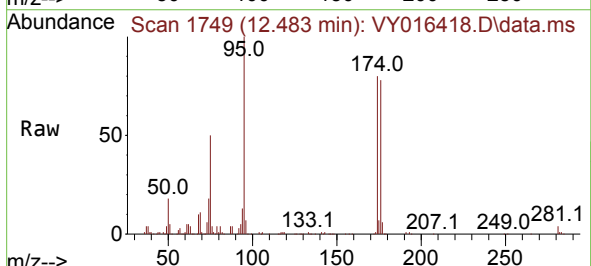
Acq: 17 Nov 2023 18:26

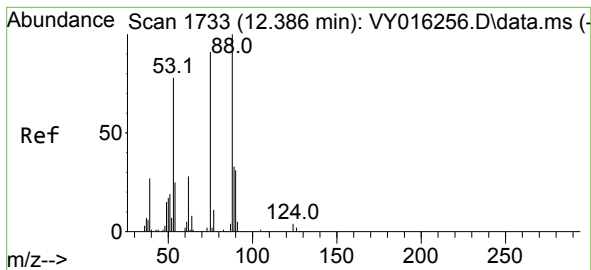
Tgt Ion: 75 Resp: 34621

Ion Ratio Lower Upper

75 100

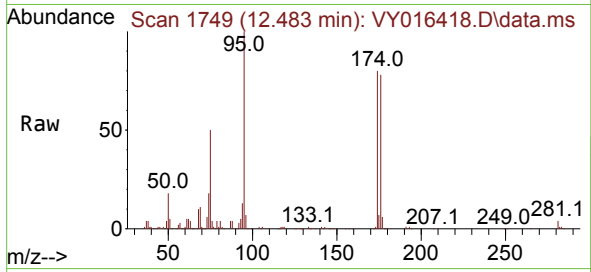
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 105.527 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY016418.D
 Acq: 17 Nov 2023 18:26

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 34621
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.2 37.4 56.0#

