

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112223\
 Data File : VY016469.D
 Acq On : 22 Nov 2023 17:54
 Operator : SY/MD
 Sample : 05451-02RE
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 23 04:09:19 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)

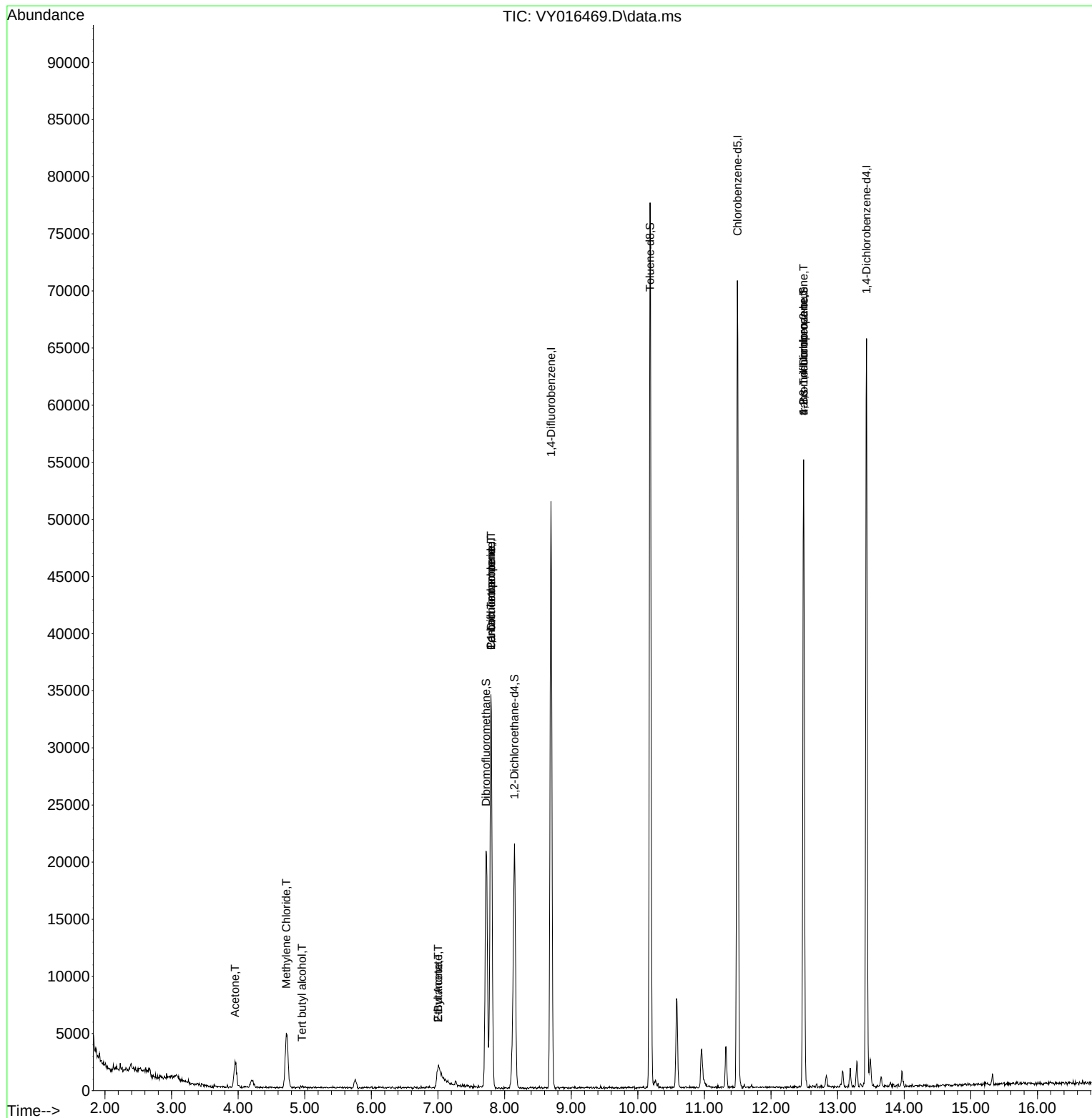
Internal Standards						
1) Pentafluorobenzene	7.795	168	27504	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	46371	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	43162	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	18553	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	16114	64.103	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	128.200%
35) Dibromofluoromethane	7.722	113	15510	58.880	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	117.760%
50) Toluene-d8	10.185	98	53339	49.933	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.860%
62) 4-Bromofluorobenzene	12.489	95	16399	47.268	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.540%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	183	9.297	ug/l #	89
16) Acetone	3.954	43	3986	95.862	ug/l	94
20) Methylene Chloride	4.722	84	4187	11.579	ug/l #	74
25) 2-Butanone	7.003	43	1450	19.909	ug/l	90
36) 1,1-Dichloropropene	7.795	75	2170	4.744	ug/l #	45
37) Ethyl Acetate	7.003	43	1450	7.846	ug/l #	71
38) Carbon Tetrachloride	7.795	117	2888	6.084	ug/l #	12
76) 1,2,3-Trichloropropane	12.489	75	8287	46.562	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	8287	101.067	ug/l #	10

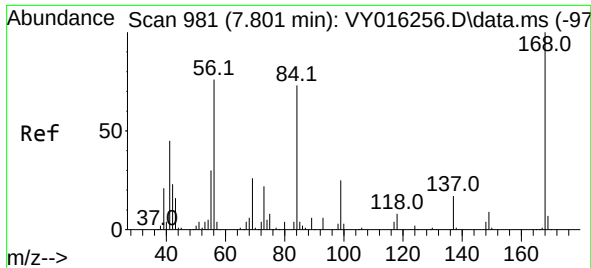
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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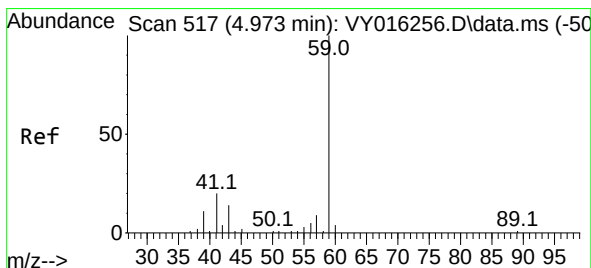
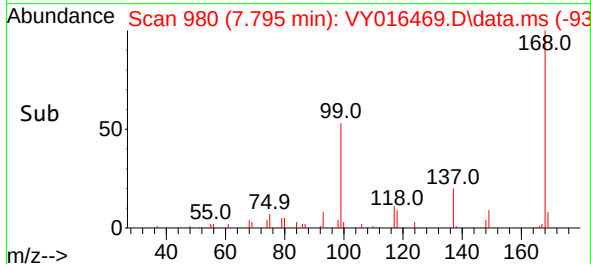
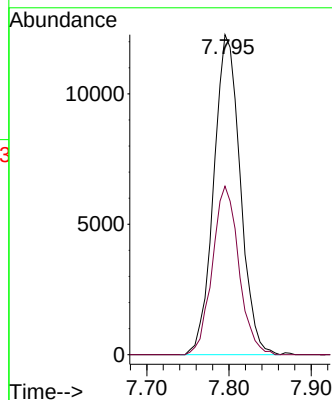
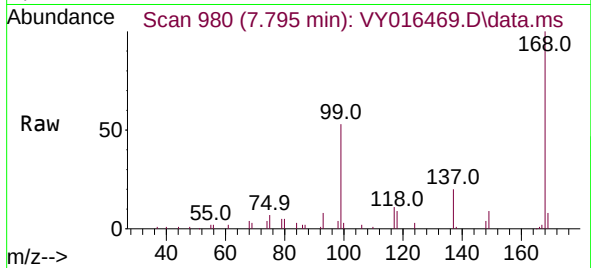




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016469.D
Acq: 22 Nov 2023 17:54

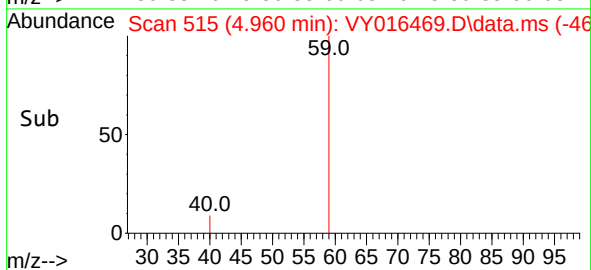
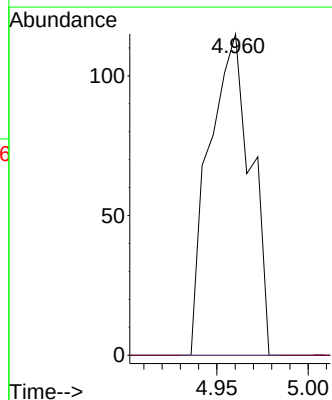
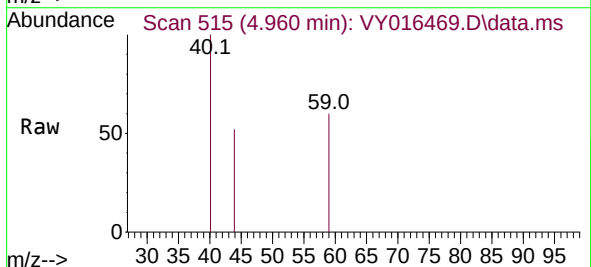
Instrument :
MSVOA_Y
ClientSampleId :

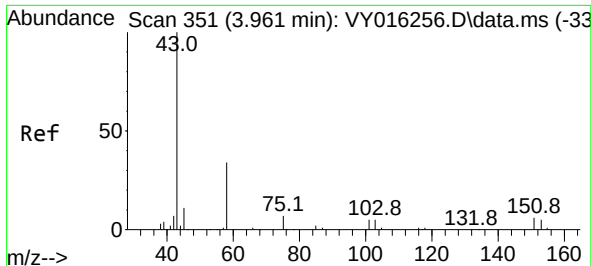
Tgt Ion:168 Resp: 27504
Ion Ratio Lower Upper
168 100
99 52.7 43.4 65.0



#11
Tert butyl alcohol
Concen: 9.297 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY016469.D
Acq: 22 Nov 2023 17:54

Tgt Ion: 59 Resp: 183
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

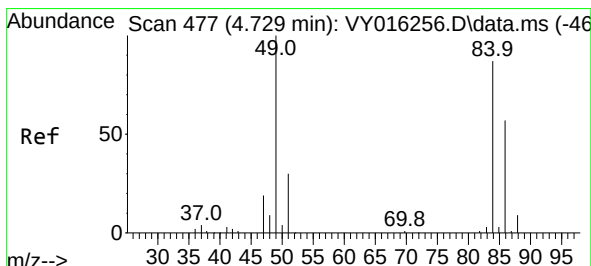
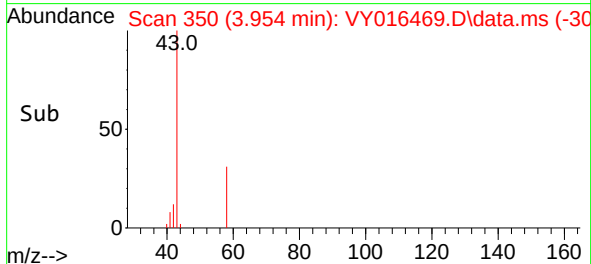
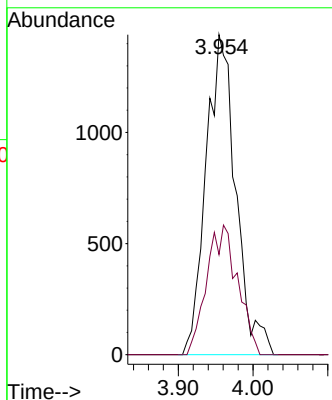
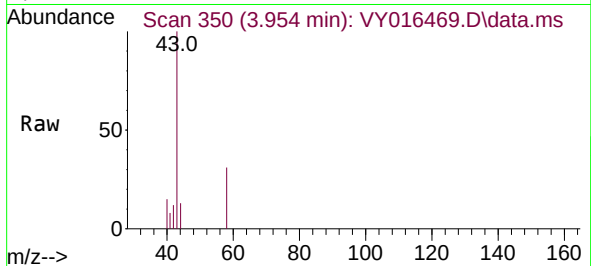




#16
Acetone
Concen: 95.862 ug/l
RT: 3.954 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY016469.D
Acq: 22 Nov 2023 17:54

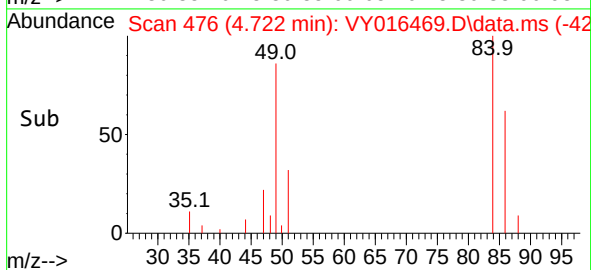
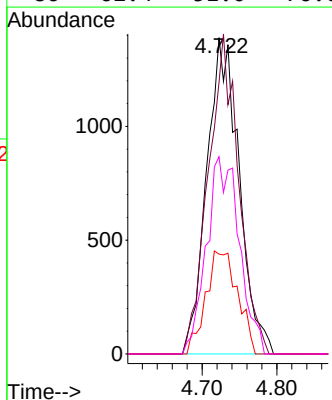
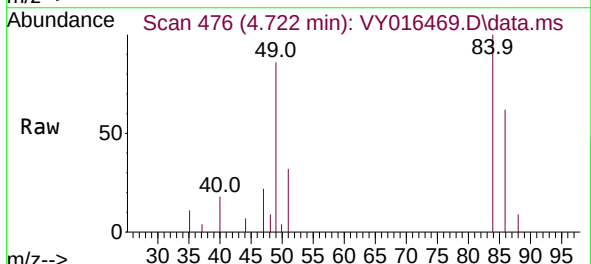
Instrument :
MSVOA_Y
ClientSampleId :

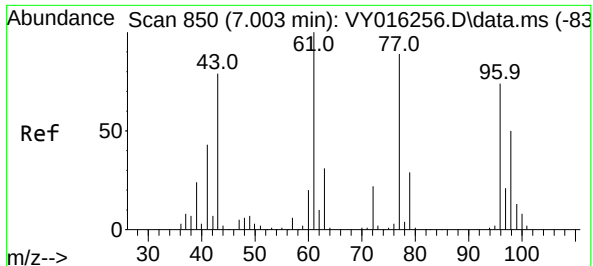
Tgt Ion: 43 Resp: 3986
Ion Ratio Lower Upper
43 100
58 31.3 22.7 34.1



#20
Methylene Chloride
Concen: 11.579 ug/l
RT: 4.722 min Scan# 476
Delta R.T. -0.007 min
Lab File: VY016469.D
Acq: 22 Nov 2023 17:54

Tgt Ion: 84 Resp: 4187
Ion Ratio Lower Upper
84 100
49 85.8 106.9 160.3#
51 31.6 33.2 49.8#
86 62.4 51.0 76.6





#25

2-Butanone

Concen: 19.909 ug/l

RT: 7.003 min Scan# 81

Delta R.T. -0.000 min

Lab File: VY016469.D

Acq: 22 Nov 2023 17:54

Instrument :

MSVOA_Y

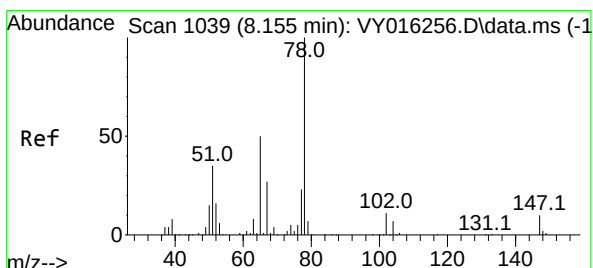
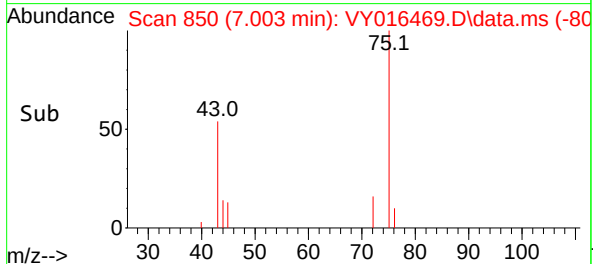
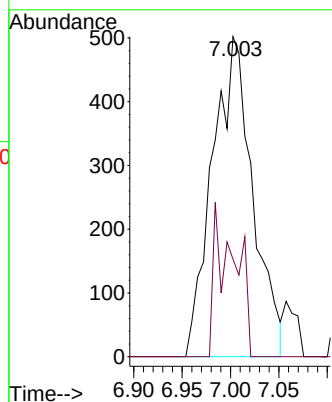
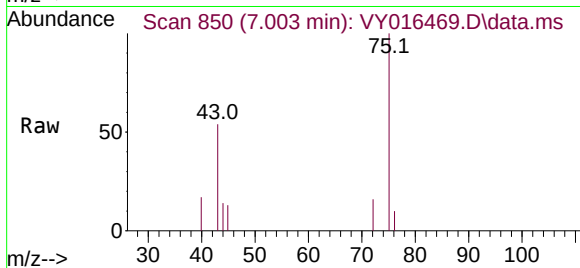
ClientSampleId :

Tgt Ion: 43 Resp: 1450

Ion Ratio Lower Upper

43 100

72 30.5 20.5 30.7



#33

1,2-Dichloroethane-d4

Concen: 64.103 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. -0.006 min

Lab File: VY016469.D

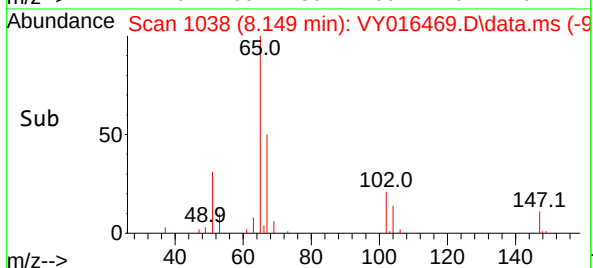
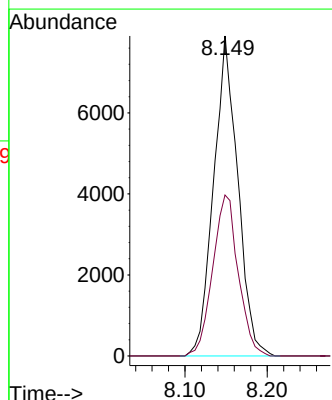
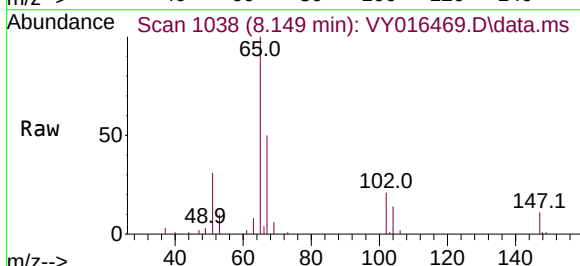
Acq: 22 Nov 2023 17:54

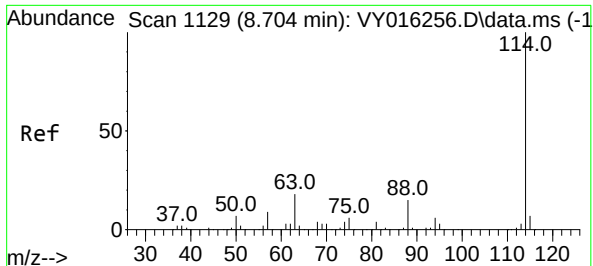
Tgt Ion: 65 Resp: 16114

Ion Ratio Lower Upper

65 100

67 53.2 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY016469.D

Acq: 22 Nov 2023 17:54

Instrument :

MSVOA_Y

ClientSampleId :

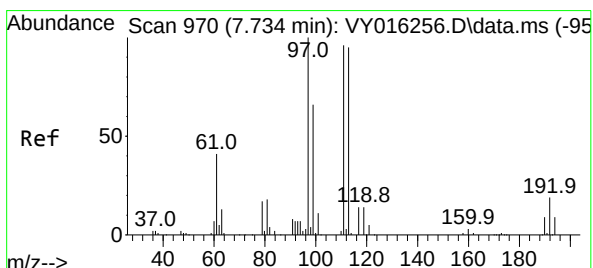
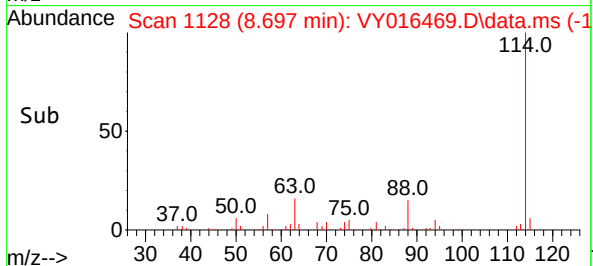
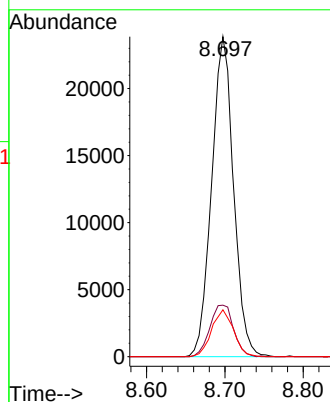
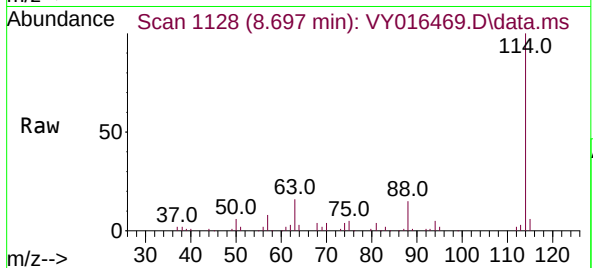
Tgt Ion:114 Resp: 46371

Ion Ratio Lower Upper

114 100

63 16.1 0.0 42.4

88 14.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 58.880 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.012 min

Lab File: VY016469.D

Acq: 22 Nov 2023 17:54

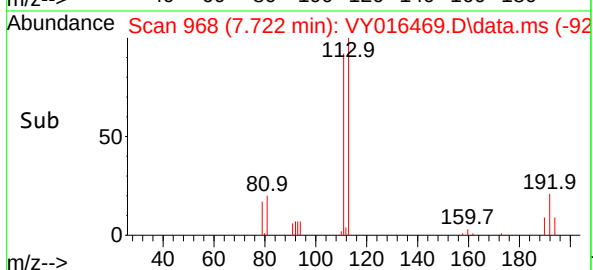
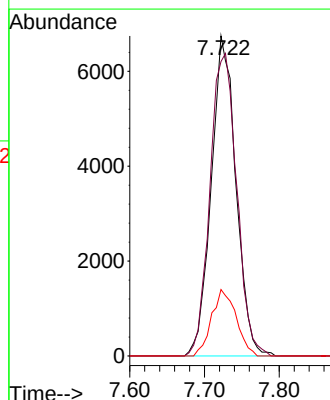
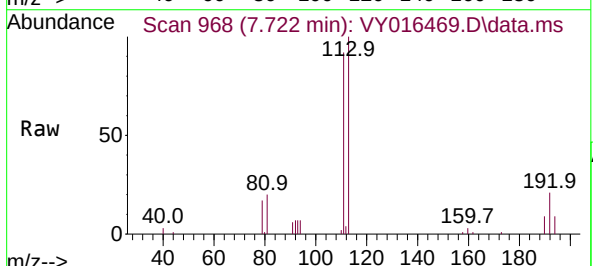
Tgt Ion:113 Resp: 15510

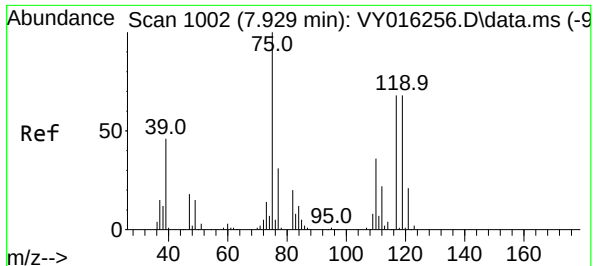
Ion Ratio Lower Upper

113 100

111 102.3 81.3 121.9

192 20.6 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.744 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.134 min

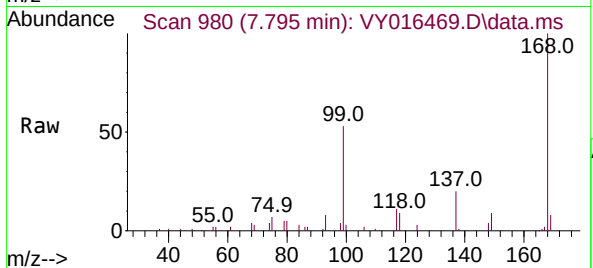
Lab File: VY016469.D

Acq: 22 Nov 2023 17:54

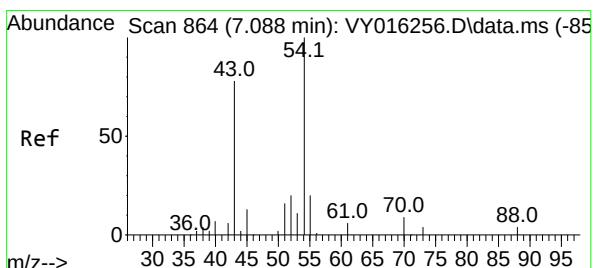
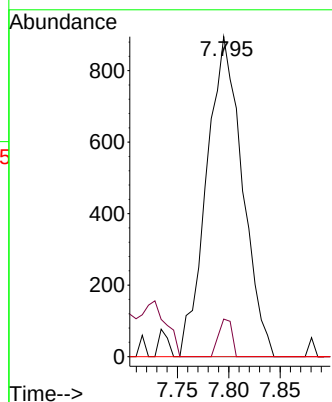
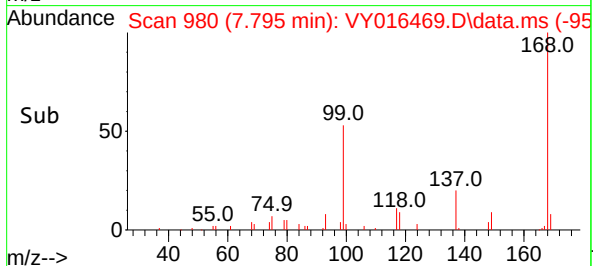
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 2170
Ion Ratio	Lower Upper
75 100	
110 4.3	17.8 53.5#
77 0.0	24.4 36.6#



#37

Ethyl Acetate

Concen: 7.846 ug/l

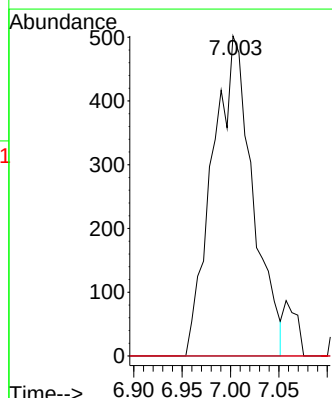
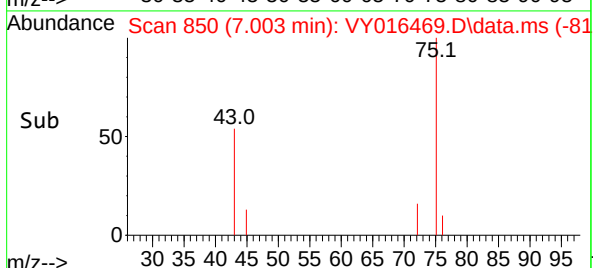
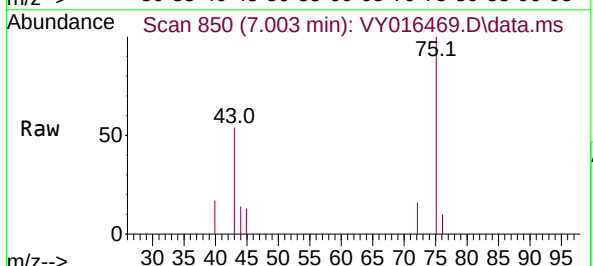
RT: 7.003 min Scan# 850

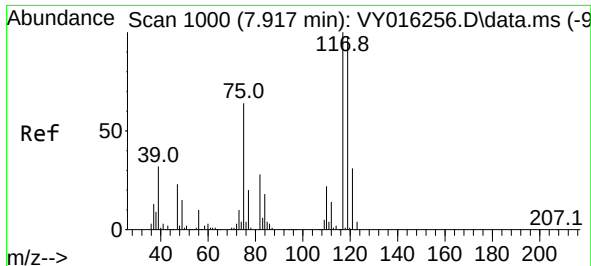
Delta R.T. -0.085 min

Lab File: VY016469.D

Acq: 22 Nov 2023 17:54

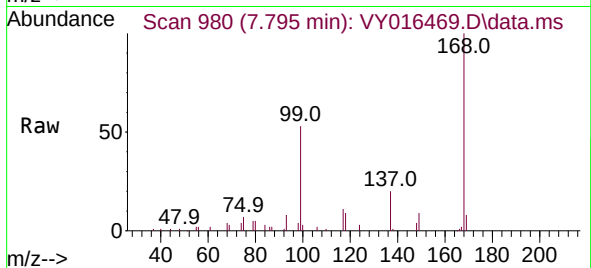
Tgt Ion: 43	Resp: 1450
Ion Ratio	Lower Upper
43 100	
61 0.0	10.1 15.1#
70 0.0	7.1 10.7#



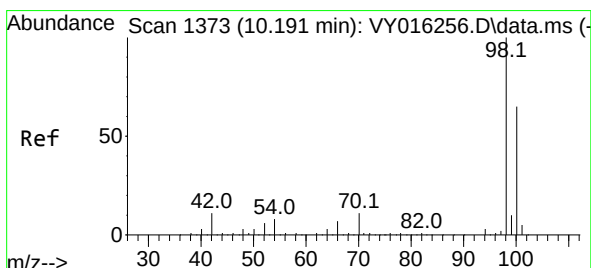
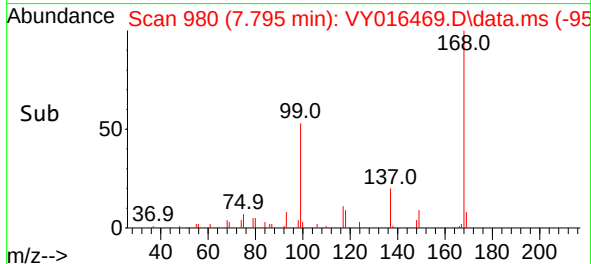
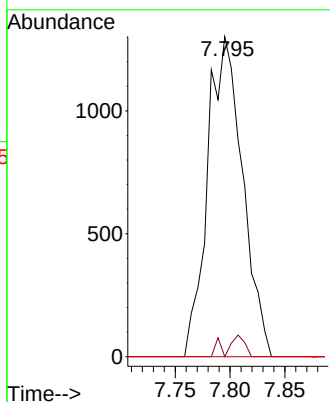


#38
Carbon Tetrachloride
Concen: 6.084 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY016469.D
Acq: 22 Nov 2023 17:54

Instrument :
MSVOA_Y
ClientSampleId :

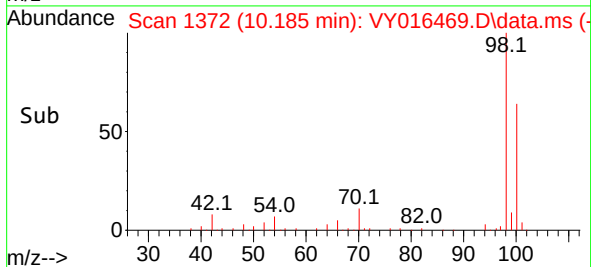
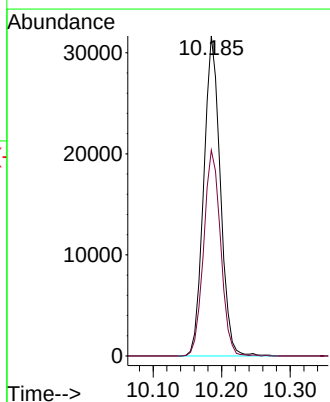
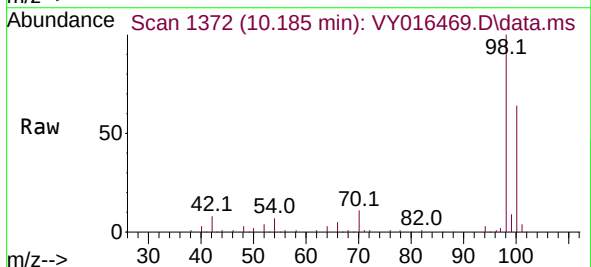


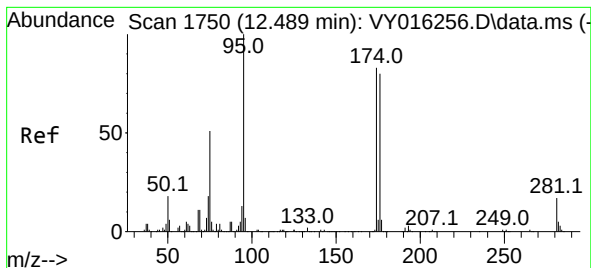
Tgt Ion:117 Resp: 2888
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 49.933 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.006 min
Lab File: VY016469.D
Acq: 22 Nov 2023 17:54

Tgt Ion: 98 Resp: 53339
Ion Ratio Lower Upper
98 100
100 65.5 50.1 75.1

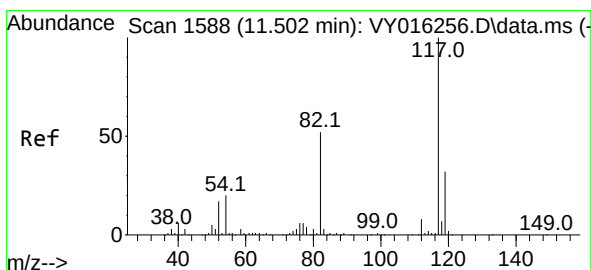
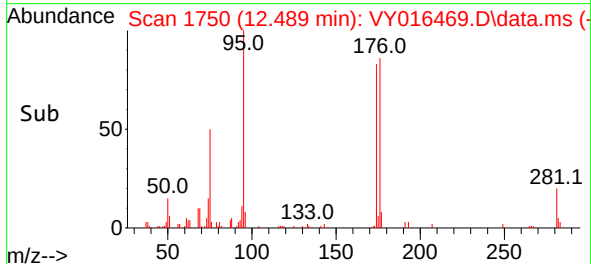
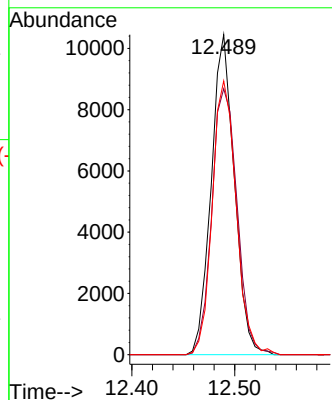
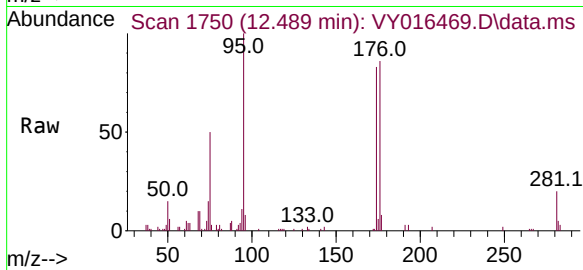




#62
4-Bromofluorobenzene
Concen: 47.268 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VY016469.D
Acq: 22 Nov 2023 17:54

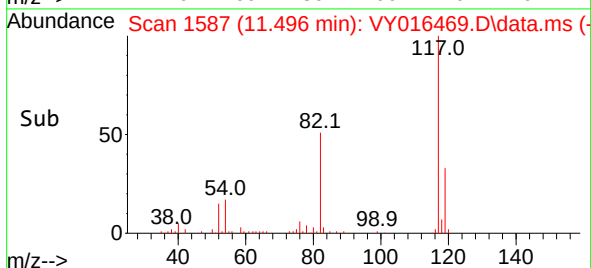
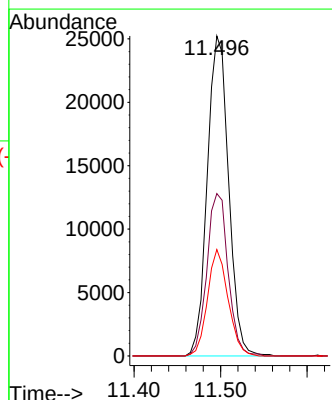
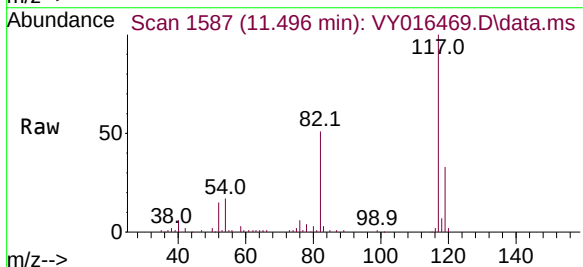
Instrument :
MSVOA_Y
ClientSampleId :

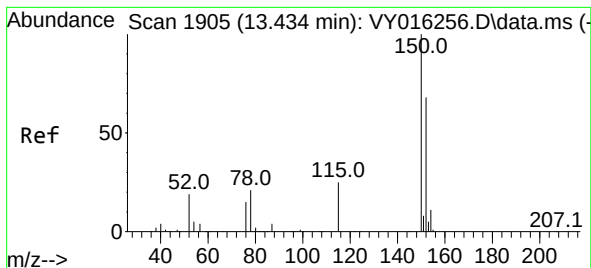
Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.3	0.0	178.2
176	88.1	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY016469.D
Acq: 22 Nov 2023 17:54

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.7	43.4	65.0
119	33.2	26.3	39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VY016469.D

Acq: 22 Nov 2023 17:54

Instrument :

MSVOA_Y

ClientSampleId :

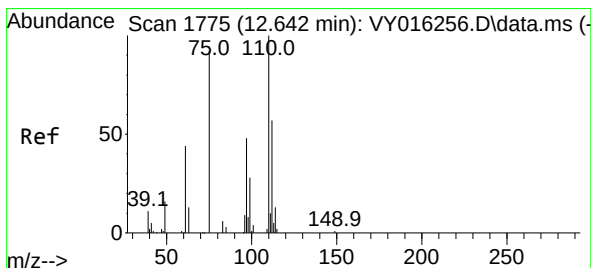
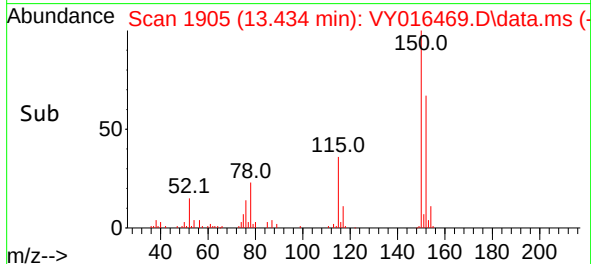
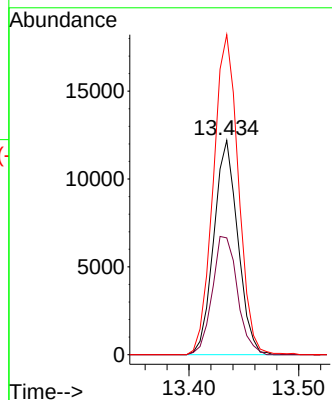
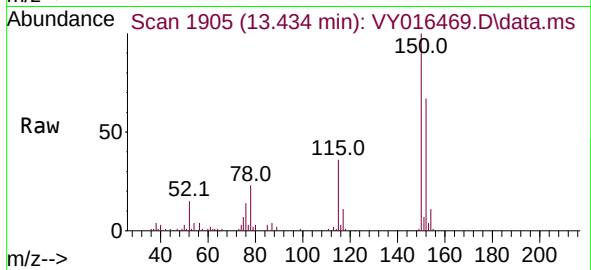
Tgt Ion:152 Resp: 18553

Ion Ratio Lower Upper

152 100

115 57.8 28.8 86.5

150 156.2 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 46.562 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.152 min

Lab File: VY016469.D

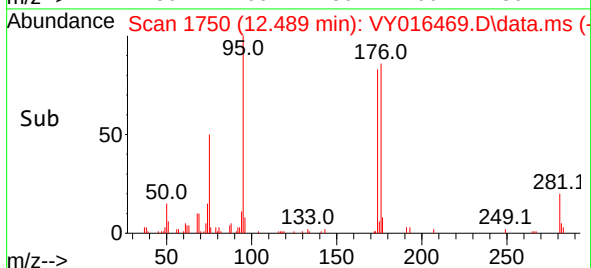
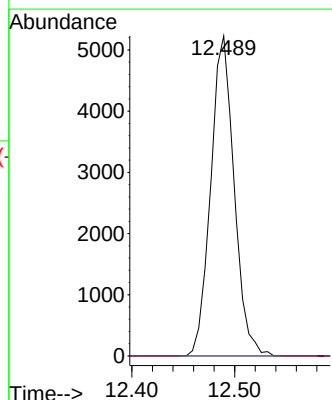
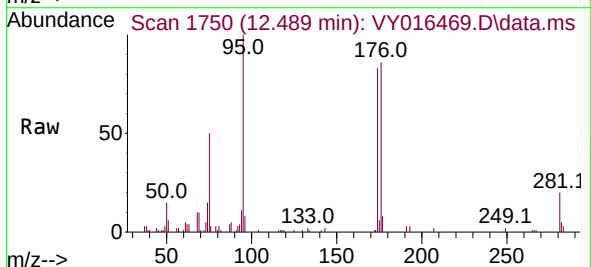
Acq: 22 Nov 2023 17:54

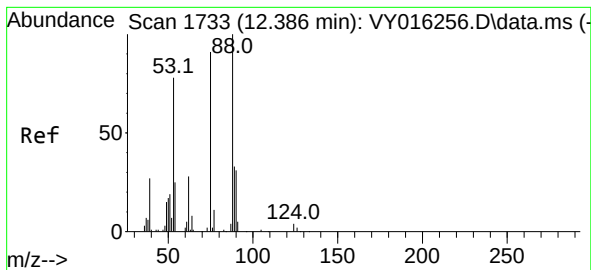
Tgt Ion: 75 Resp: 8287

Ion Ratio Lower Upper

75 100

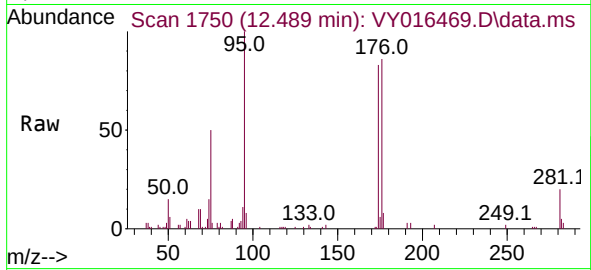
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.067 ug/l
 RT: 12.489 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY016469.D
 Acq: 22 Nov 2023 17:54

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	77.8	116.8#
89	0.0	37.4	56.0#

