

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030923\
 Data File : VY012895.D
 Acq On : 09 Mar 2023 13:43
 Operator : KP/MD
 Sample : 01834-02
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-8

Quant Time: Mar 10 00:30:06 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)

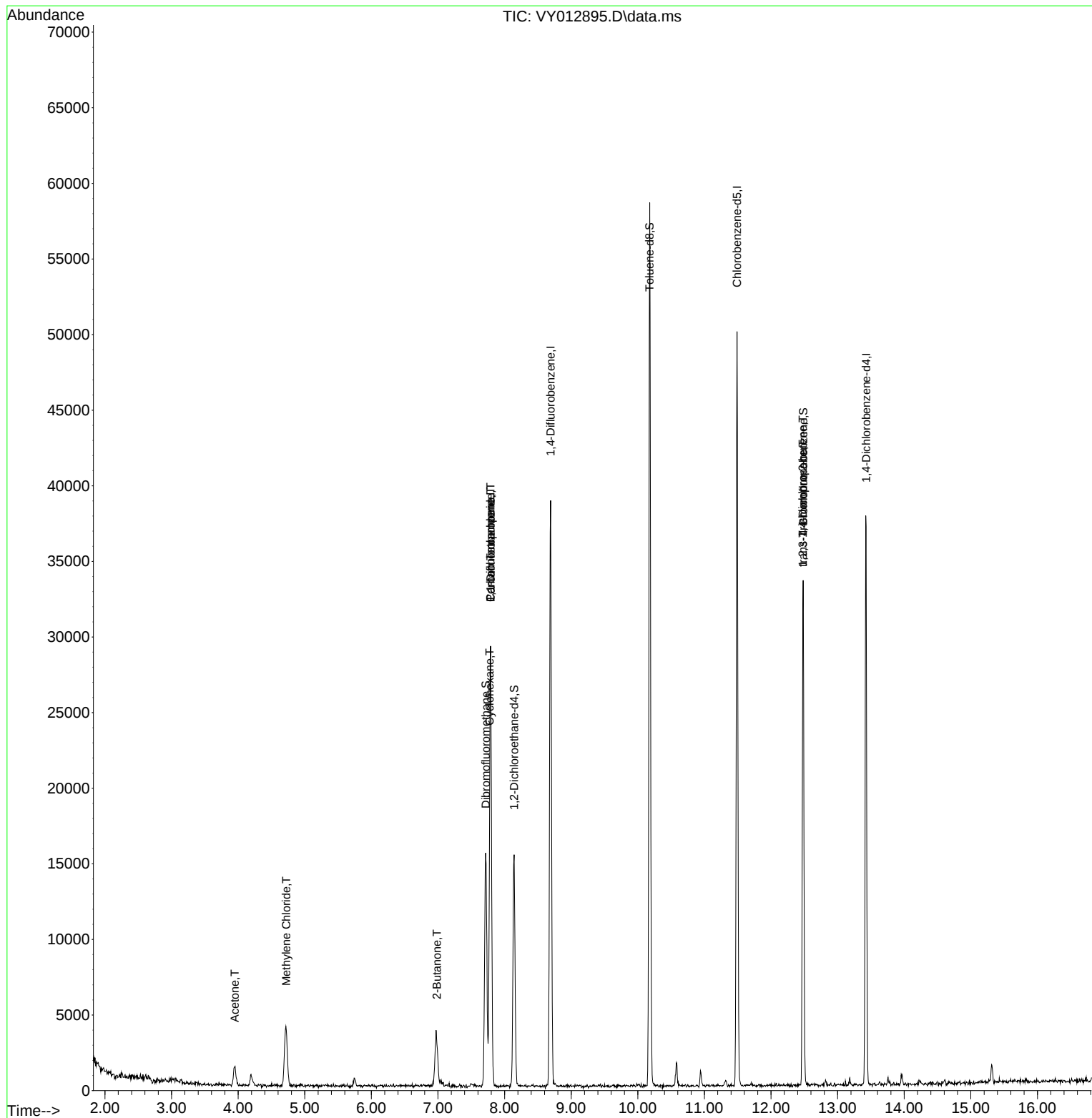
Internal Standards						
1) Pentafluorobenzene	7.789	168	21983	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	32438	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	26665	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	9625	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	11791	54.022	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 108.040%		
35) Dibromofluoromethane	7.716	113	11075	56.574	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 113.140%		
50) Toluene-d8	10.179	98	38065	53.188	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 106.380%		
62) 4-Bromofluorobenzene	12.483	95	9432	39.047	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 78.100%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	102	Below Cal	#	74
16) Acetone	3.948	43	2379	27.769	ug/l	91
20) Methylene Chloride	4.722	84	2959	6.662	ug/l	91
25) 2-Butanone	6.984	43	315	2.969	ug/l	# 49
31) Cyclohexane	7.777	56	499	1.194	ug/l	# 54
36) 1,1-Dichloropropene	7.789	75	1860	5.670	ug/l	# 48
38) Carbon Tetrachloride	7.789	117	2355	6.952	ug/l	# 12
76) 1,2,3-Trichloropropane	12.477	75	4906	42.684	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	4906	88.442	ug/l	# 13

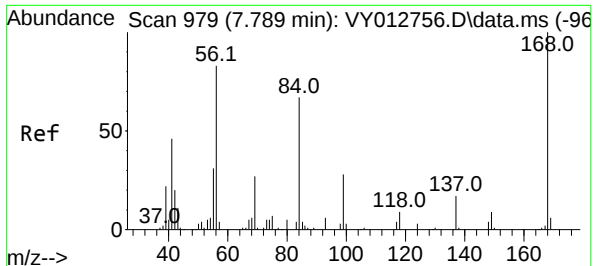
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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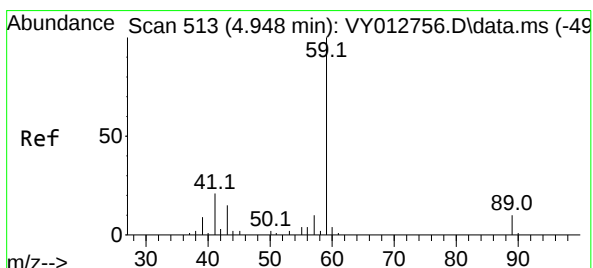
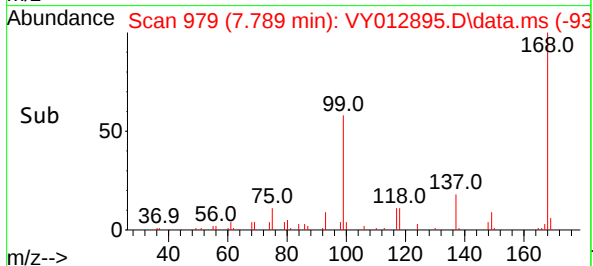
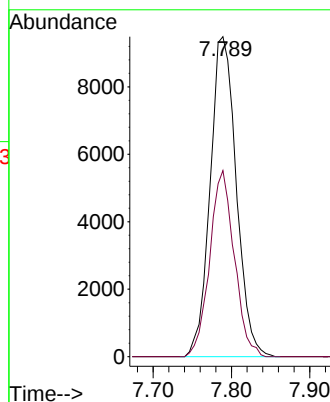
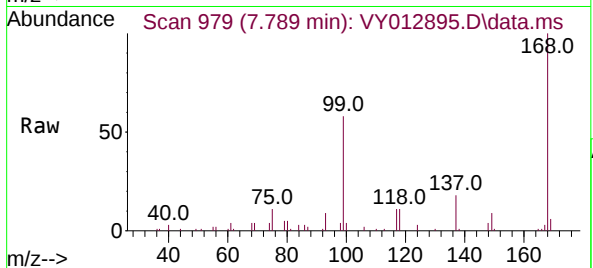




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012895.D
Acq: 09 Mar 2023 13:43

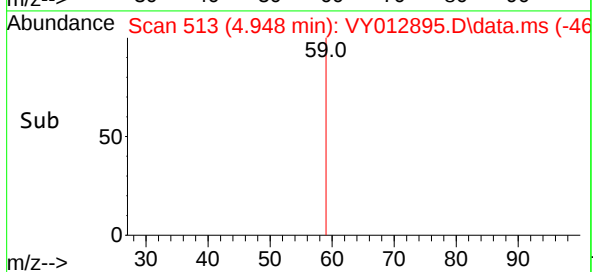
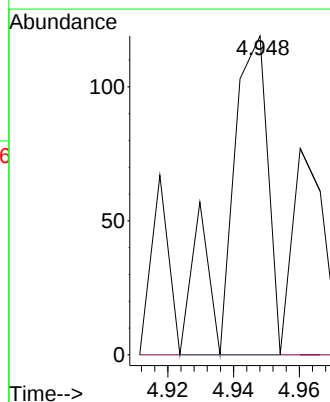
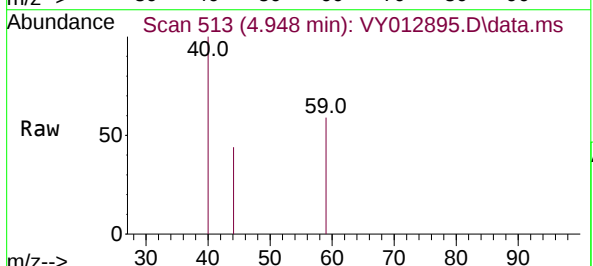
Instrument :
MSVOA_Y
ClientSampleId :
TP-8

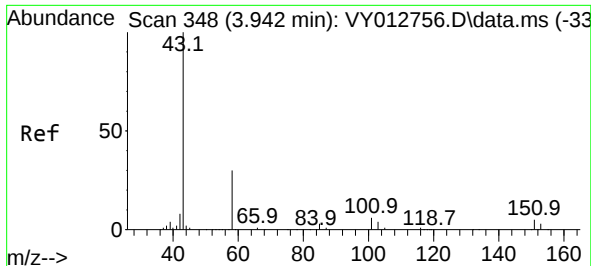
Tgt Ion:168 Resp: 21983
Ion Ratio Lower Upper
168 100
99 58.2 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. 0.000 min
Lab File: VY012895.D
Acq: 09 Mar 2023 13:43

Tgt Ion: 59 Resp: 102
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

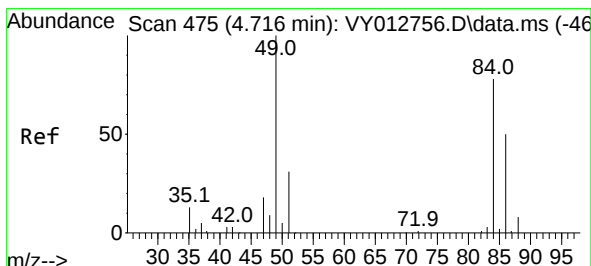
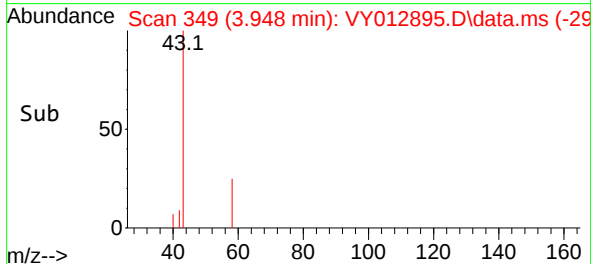
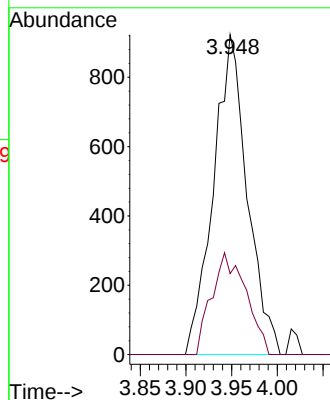
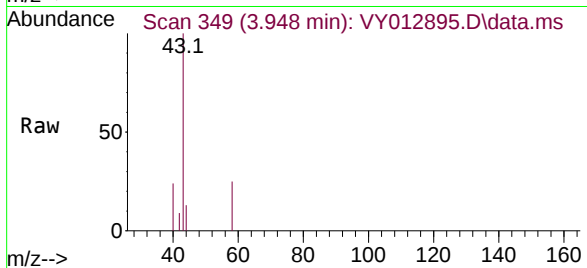




#16
Acetone
Concen: 27.769 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY012895.D
Acq: 09 Mar 2023 13:43

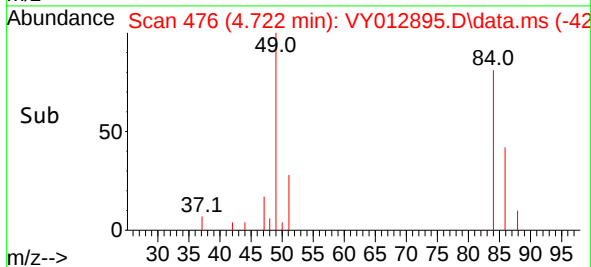
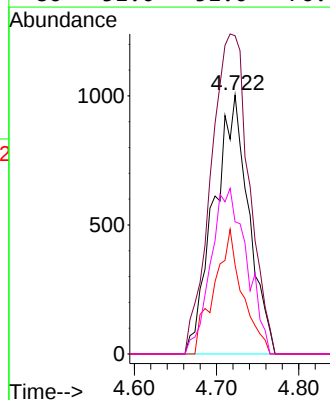
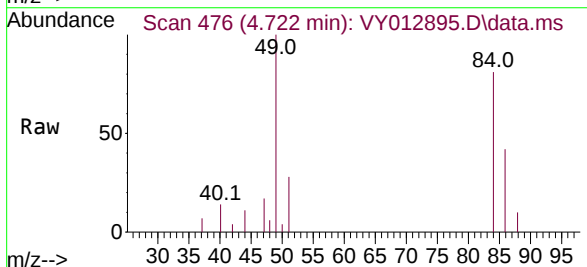
Instrument :
MSVOA_Y
ClientSampleId :
TP-8

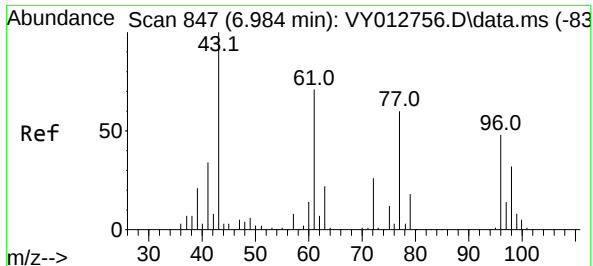
Tgt Ion: 43 Resp: 2379
Ion Ratio Lower Upper
43 100
58 25.4 24.2 36.2



#20
Methylene Chloride
Concen: 6.662 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY012895.D
Acq: 09 Mar 2023 13:43

Tgt Ion: 84 Resp: 2959
Ion Ratio Lower Upper
84 100
49 122.9 102.6 154.0
51 34.4 31.9 47.9
86 51.0 51.0 76.6





#25

2-Butanone

Concen: 2.969 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY012895.D

Acq: 09 Mar 2023 13:43

Instrument :

MSVOA_Y

ClientSampleId :

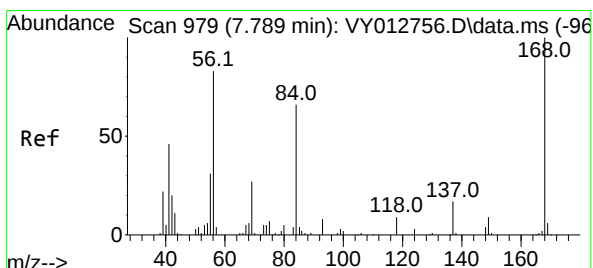
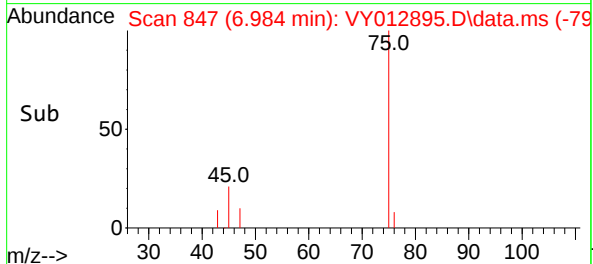
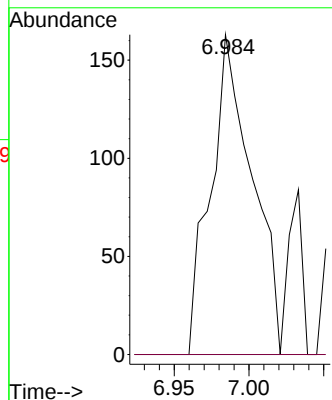
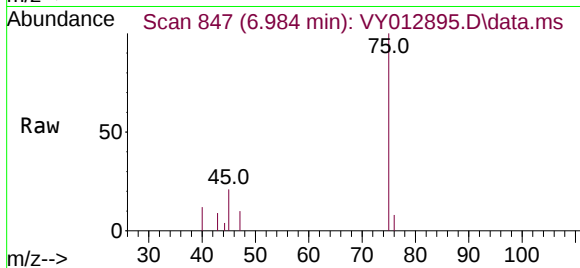
TP-8

Tgt Ion: 43 Resp: 315

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#



#31

Cyclohexane

Concen: 1.194 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.012 min

Lab File: VY012895.D

Acq: 09 Mar 2023 13:43

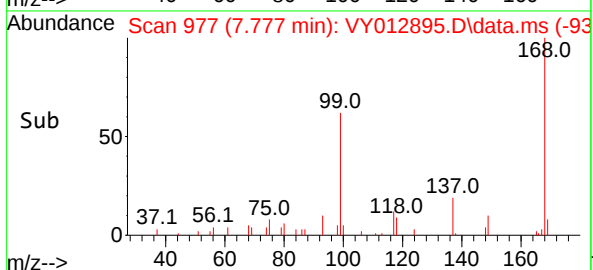
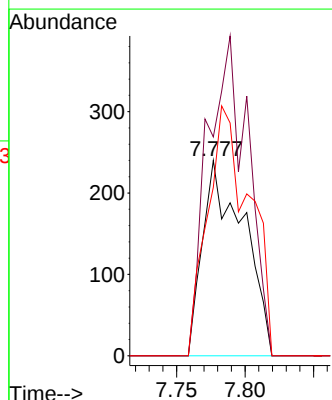
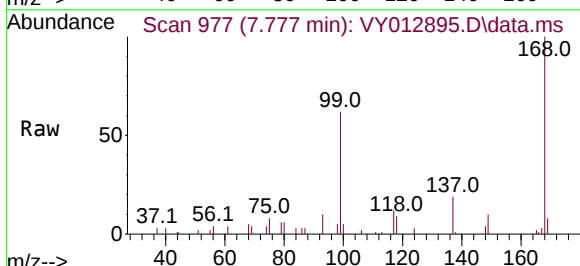
Tgt Ion: 56 Resp: 499

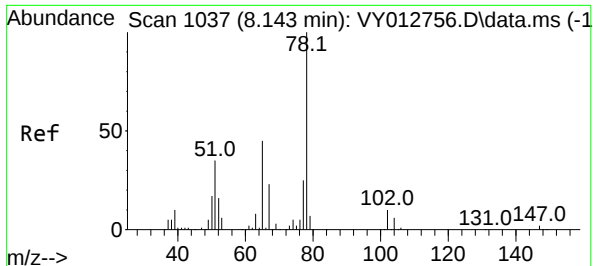
Ion Ratio Lower Upper

56 100

69 112.1 25.7 38.5#

84 86.3 64.3 96.5





#33

1,2-Dichloroethane-d4

Concen: 54.022 ug/l

RT: 8.143 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY012895.D

Acq: 09 Mar 2023 13:43

Instrument :

MSVOA_Y

ClientSampleId :

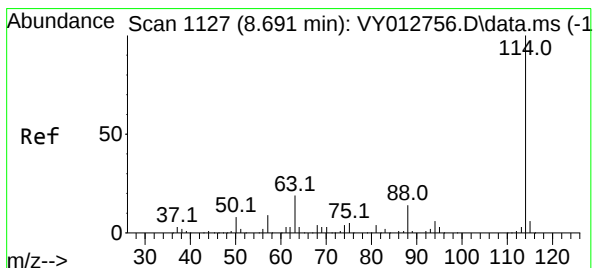
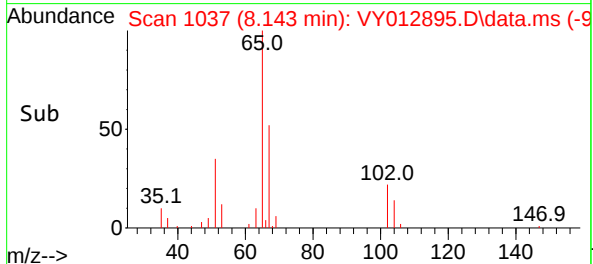
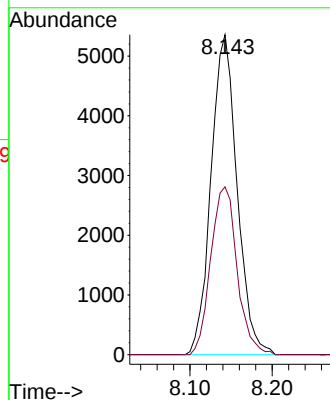
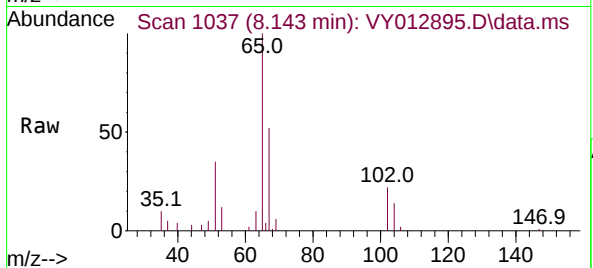
TP-8

Tgt Ion: 65 Resp: 11791

Ion Ratio Lower Upper

65 100

67 53.0 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: VY012895.D

Acq: 09 Mar 2023 13:43

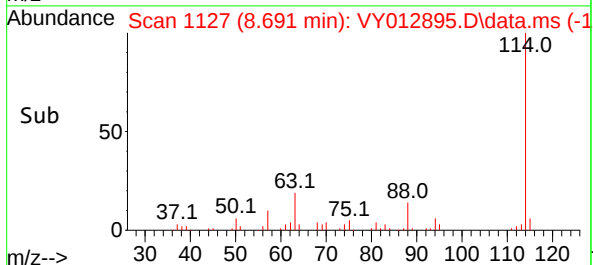
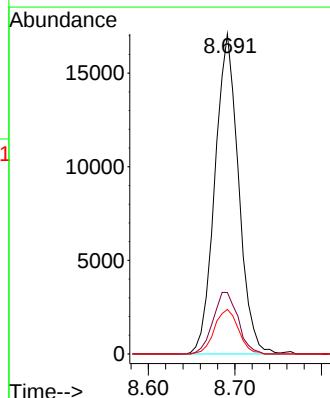
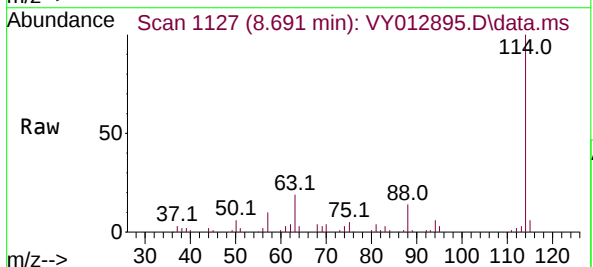
Tgt Ion: 114 Resp: 32438

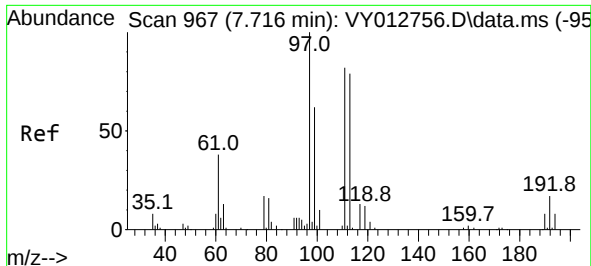
Ion Ratio Lower Upper

114 100

63 19.2 0.0 37.4

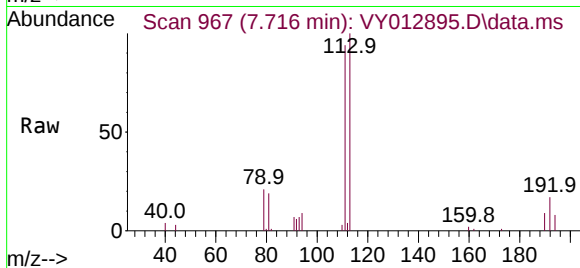
88 13.9 0.0 28.6



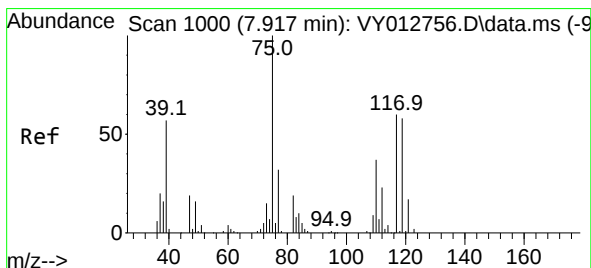
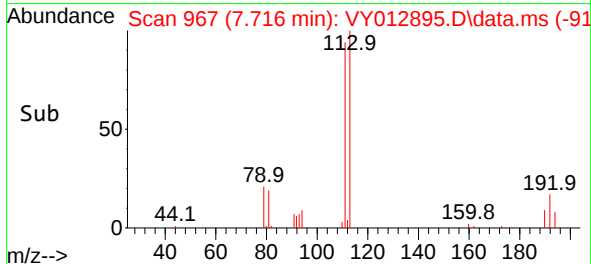
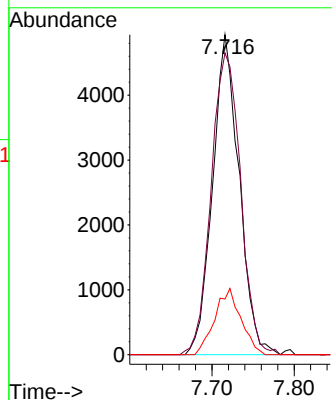


#35
Dibromofluoromethane
Concen: 56.574 ug/l
RT: 7.716 min Scan# 910
Delta R.T. 0.000 min
Lab File: VY012895.D
Acq: 09 Mar 2023 13:43

Instrument :
MSVOA_Y
ClientSampleId :
TP-8

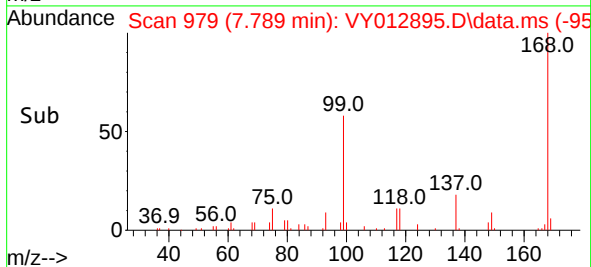
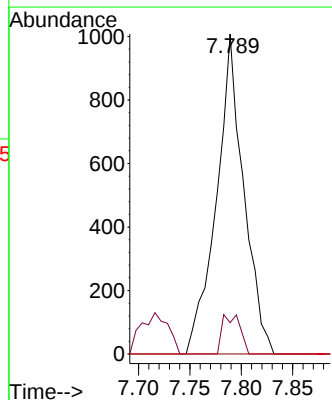
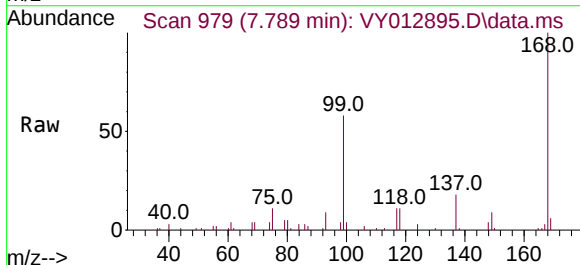


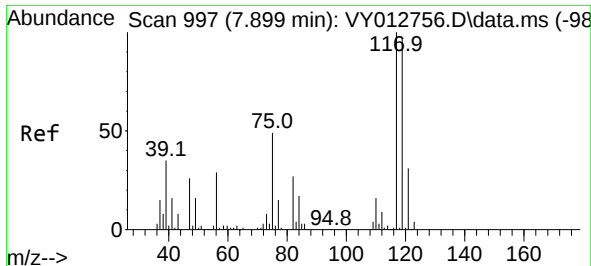
Tgt Ion:113 Resp: 11075
Ion Ratio Lower Upper
113 100
111 104.3 82.2 123.2
192 20.4 16.8 25.2



#36
1,1-Dichloropropene
Concen: 5.670 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012895.D
Acq: 09 Mar 2023 13:43

Tgt Ion: 75 Resp: 1860
Ion Ratio Lower Upper
75 100
110 8.0 17.8 53.3#
77 0.0 25.0 37.4#

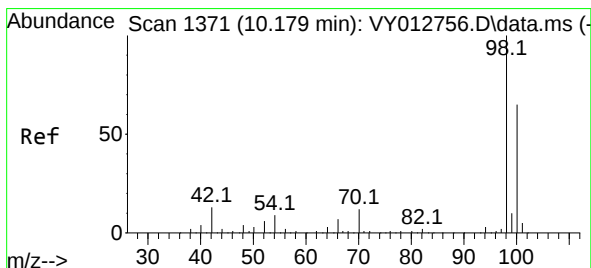
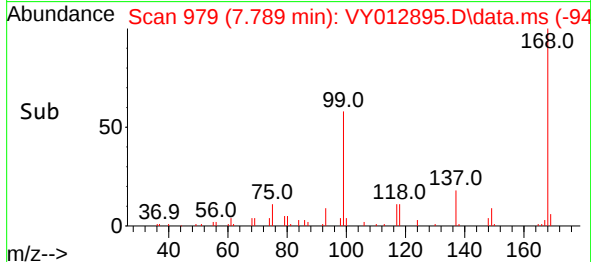
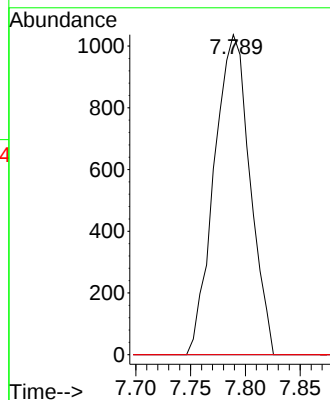
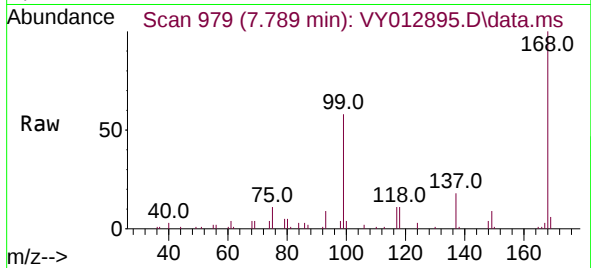




#38
Carbon Tetrachloride
Concen: 6.952 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012895.D
Acq: 09 Mar 2023 13:43

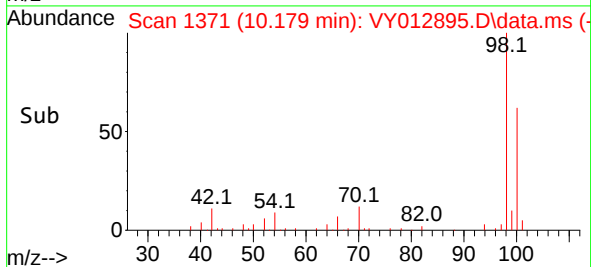
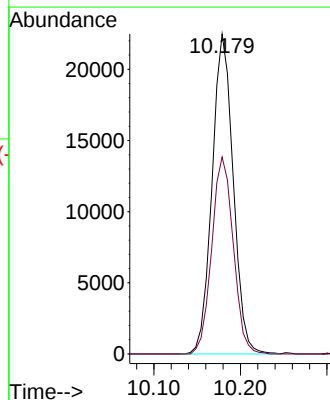
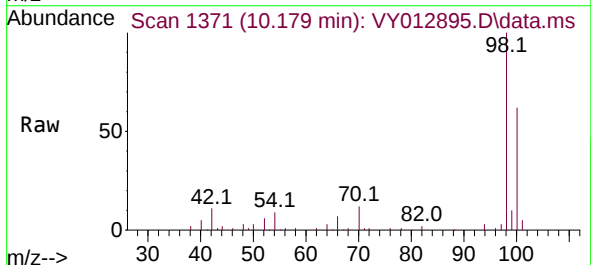
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ClientSampleId :
TP-8

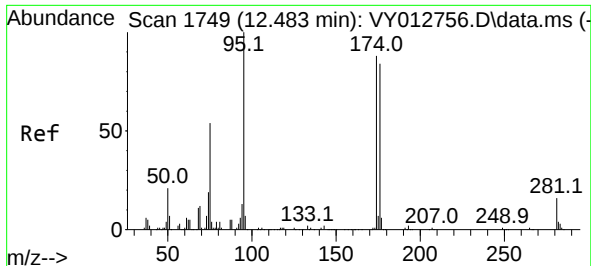
Tgt Ion:117 Resp: 2355
Ion Ratio Lower Upper
117 100
119 0.0 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 53.188 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012895.D
Acq: 09 Mar 2023 13:43

Tgt Ion: 98 Resp: 38065
Ion Ratio Lower Upper
98 100
100 62.6 50.9 76.3

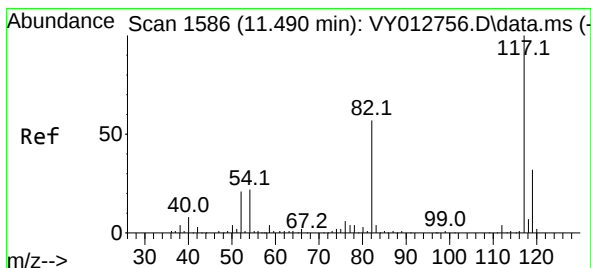
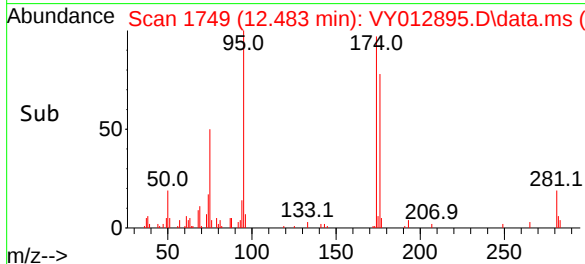
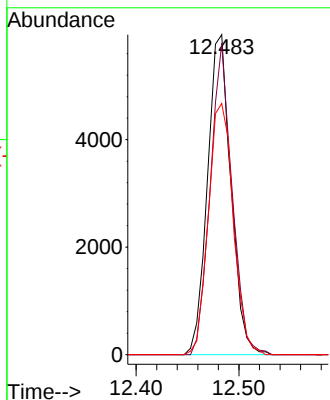
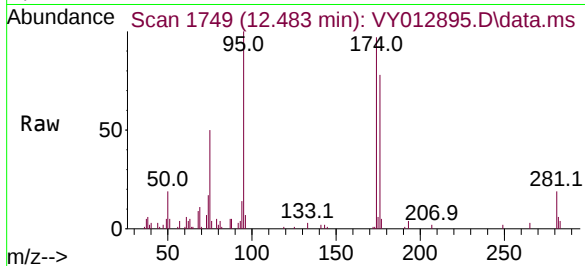




#62
4-Bromofluorobenzene
Concen: 39.047 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012895.D
Acq: 09 Mar 2023 13:43

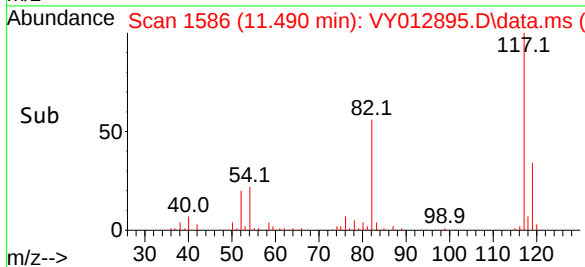
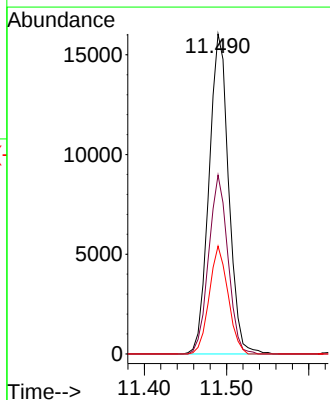
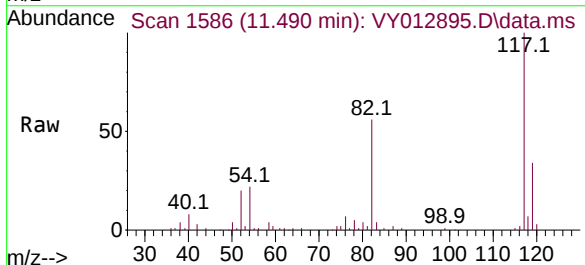
Instrument :
MSVOA_Y
ClientSampleId :
TP-8

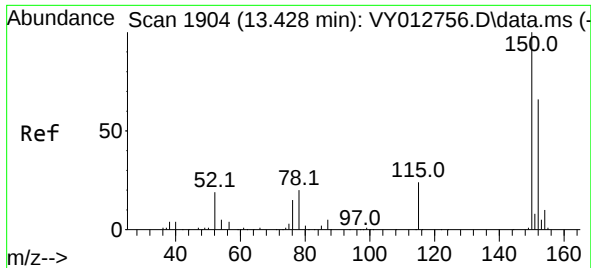
Tgt Ion: 95 Resp: 9432
Ion Ratio Lower Upper
95 100
174 90.3 0.0 176.6
176 83.1 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012895.D
Acq: 09 Mar 2023 13:43

Tgt Ion: 117 Resp: 26665
Ion Ratio Lower Upper
117 100
82 55.9 45.4 68.0
119 33.7 25.6 38.4

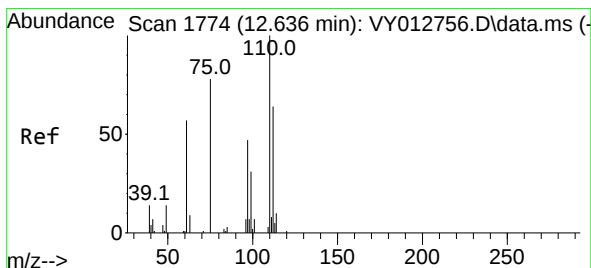
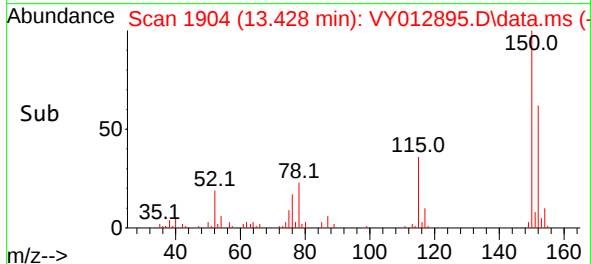
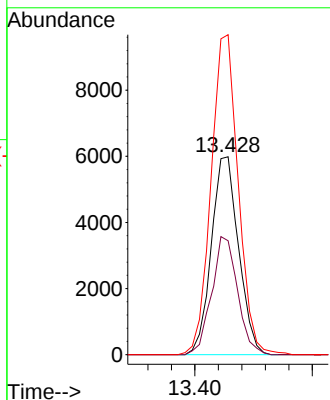
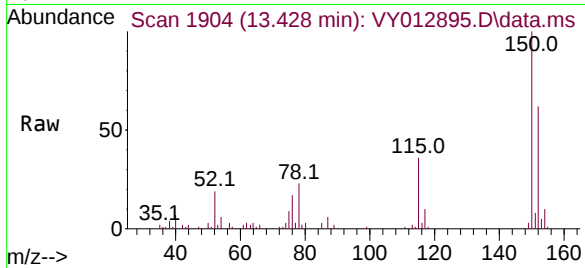




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY012895.D
 Acq: 09 Mar 2023 13:43

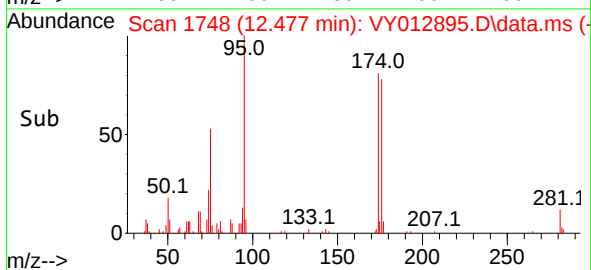
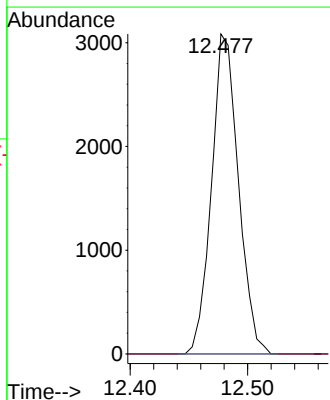
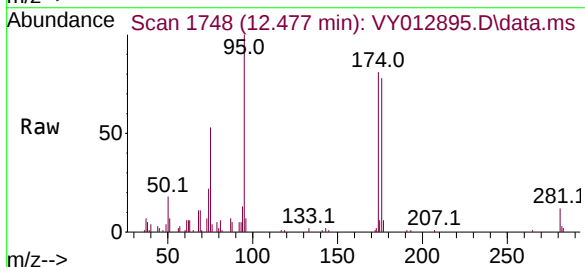
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-8

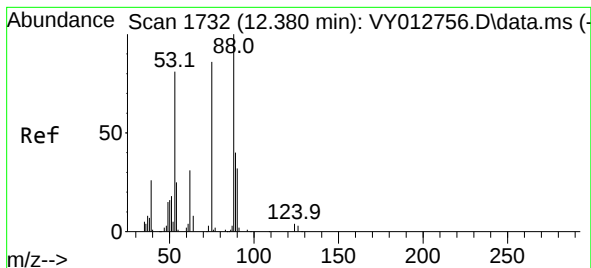
Tgt Ion:152 Resp: 9625
 Ion Ratio Lower Upper
 152 100
 115 56.7 27.1 81.3
 150 161.3 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 42.684 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.158 min
 Lab File: VY012895.D
 Acq: 09 Mar 2023 13:43

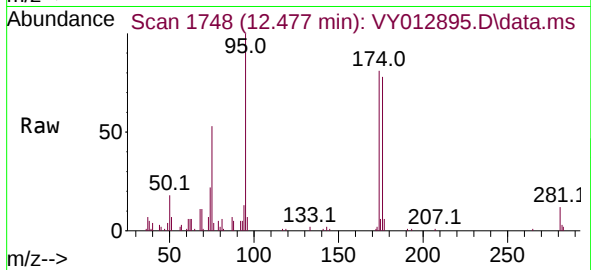
Tgt Ion: 75 Resp: 4906
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.442 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY012895.D
 Acq: 09 Mar 2023 13:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-8



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

