

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110822\
 Data File : VY011372.D
 Acq On : 08 Nov 2022 19:05
 Operator : KP/MD
 Sample : N5436-02RE
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 09 03:35:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 01 11:56:18 2022
 Response via : Initial Calibration

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

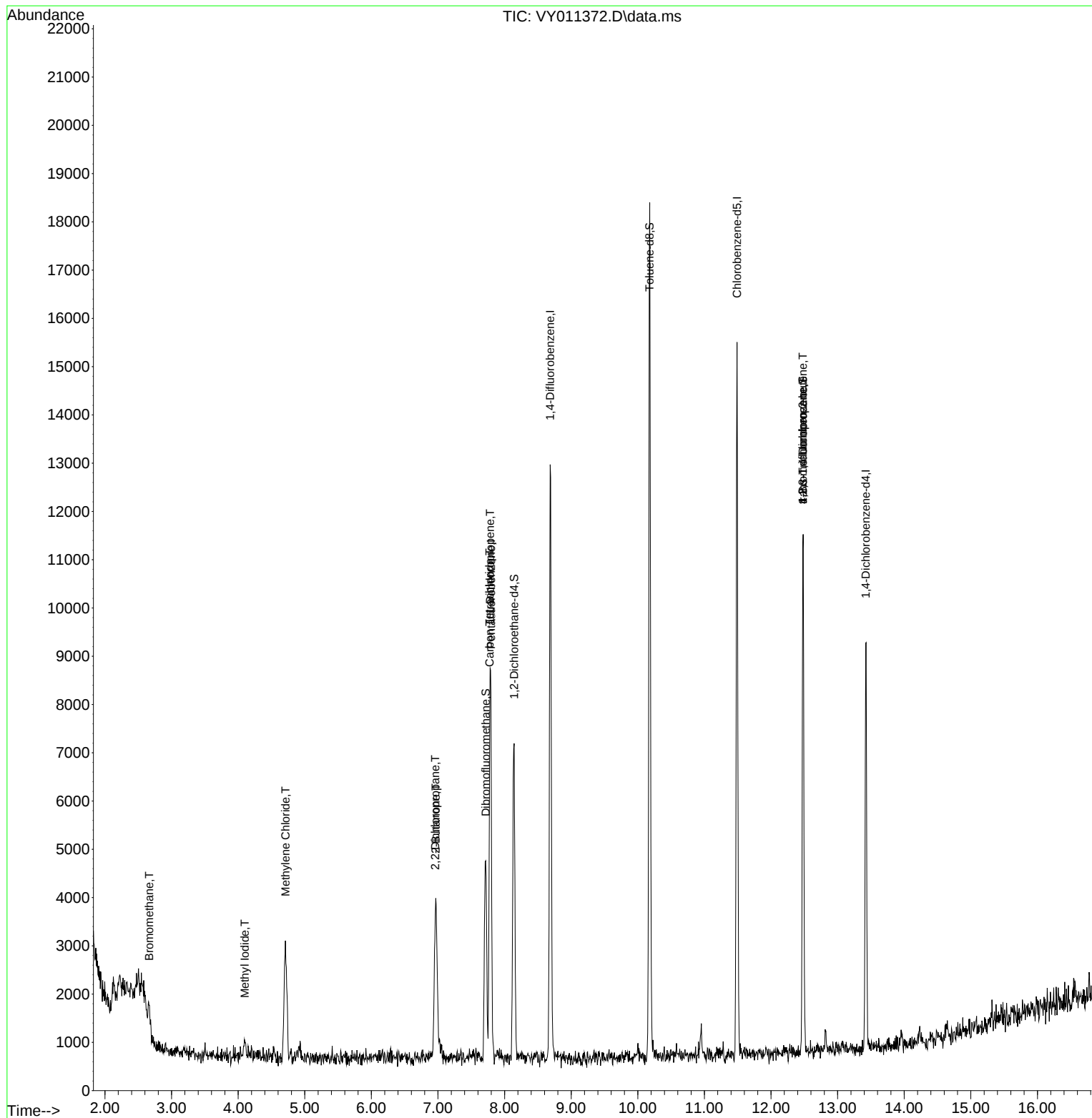
Internal Standards						
1) Pentafluorobenzene	7.795	168	7296	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	11801	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	9225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	2698	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	5316	68.127	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.260%	
35) Dibromofluoromethane	7.715	113	3342	44.078	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 88.160%	
50) Toluene-d8	10.178	98	13077	44.422	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 88.840%	
62) 4-Bromofluorobenzene	12.477	95	3749	36.684	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 73.360%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.661	94	242	4.014	ug/l	87
10) Methyl Iodide	4.100	142	555	5.371	ug/l #	71
11) Tert butyl alcohol	4.929	59	85	Below Cal	#	77
20) Methylene Chloride	4.710	84	1960	17.031	ug/l #	72
25) 2-Butanone	6.966	43	56	1.690	ug/l #	54
26) 2,2-Dichloropropane	6.959	77	244	1.710	ug/l #	55
36) 1,1-Dichloropropene	7.782	75	523	4.224	ug/l #	42
38) Carbon Tetrachloride	7.776	117	680	5.294	ug/l #	11
76) 1,2,3-Trichloropropane	12.477	75	1894	57.663	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	1894	123.407	ug/l #	7

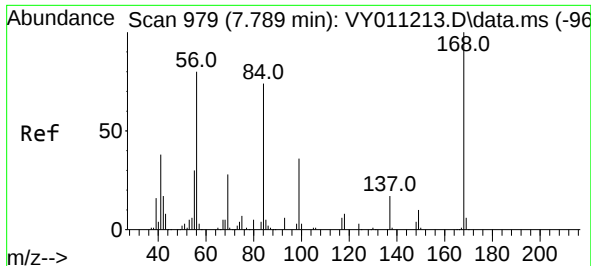
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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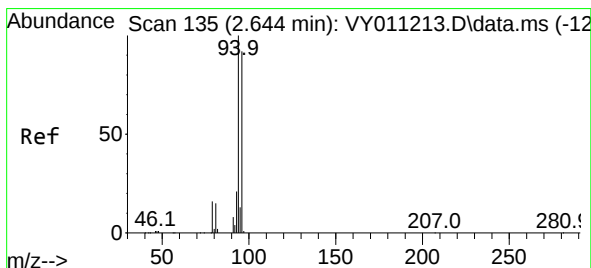
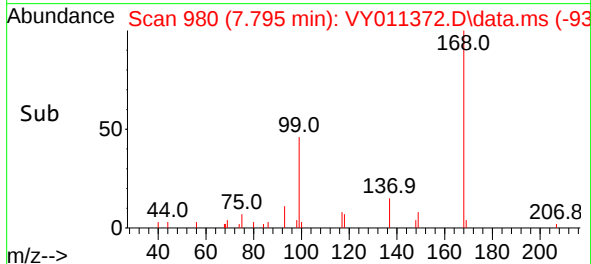
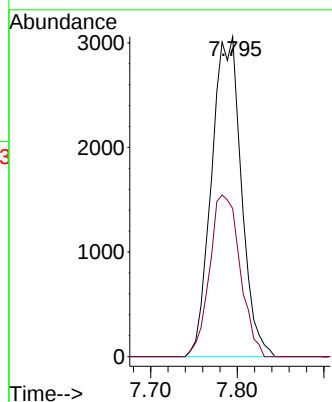
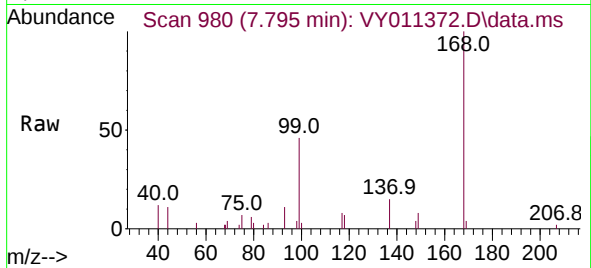




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011372.D
Acq: 08 Nov 2022 19:05

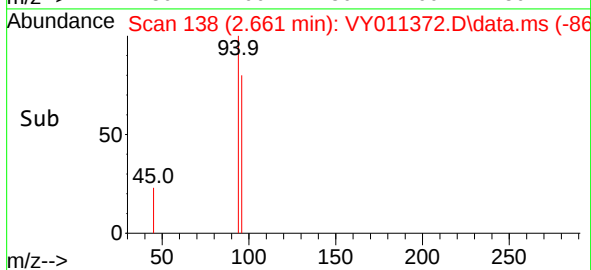
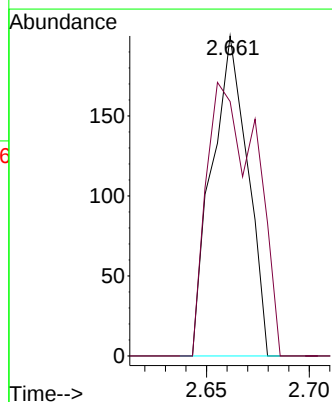
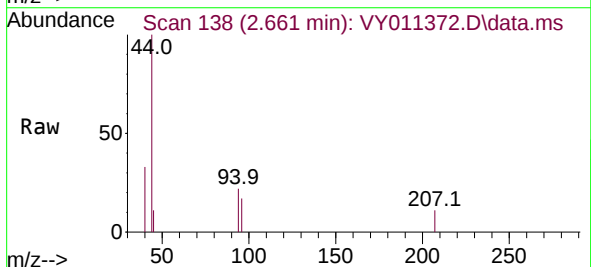
Instrument :
MSVOA_Y
ClientSampleId :

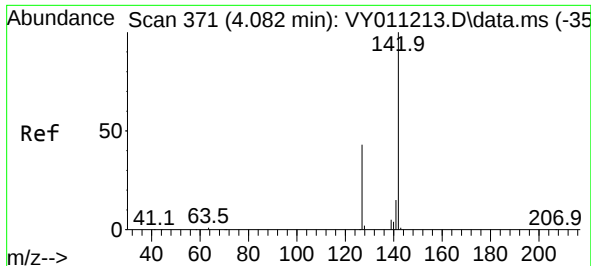
Tgt Ion:168 Resp: 7296
Ion Ratio Lower Upper
168 100
99 46.3 46.9 70.3#



#5
Bromomethane
Concen: 4.014 ug/l
RT: 2.661 min Scan# 138
Delta R.T. 0.017 min
Lab File: VY011372.D
Acq: 08 Nov 2022 19:05

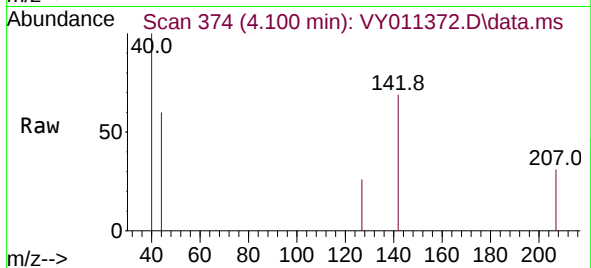
Tgt Ion: 94 Resp: 242
Ion Ratio Lower Upper
94 100
96 79.5 73.5 110.3



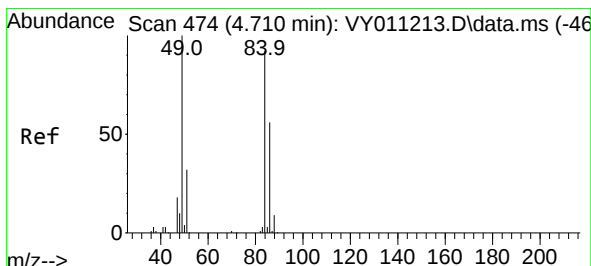
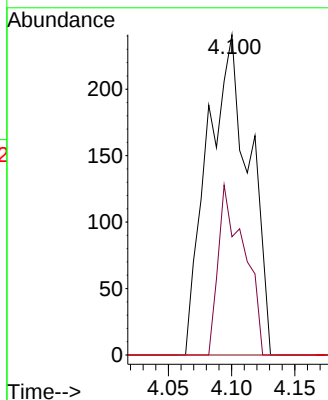
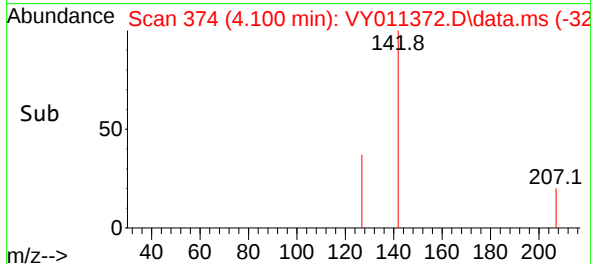


#10
Methyl Iodide
Concen: 5.371 ug/l
RT: 4.100 min Scan# 371
Delta R.T. 0.012 min
Lab File: VY011372.D
Acq: 08 Nov 2022 19:05

Instrument :
MSVOA_Y
ClientSampleId :

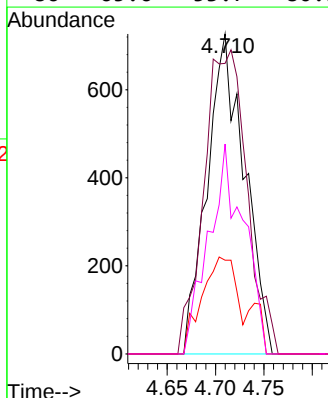
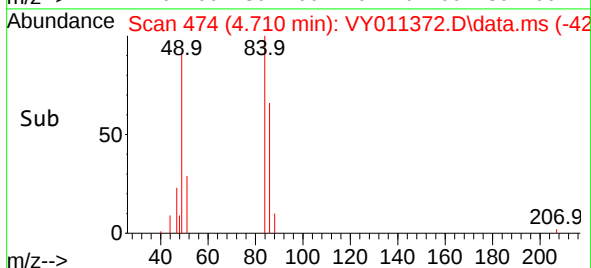
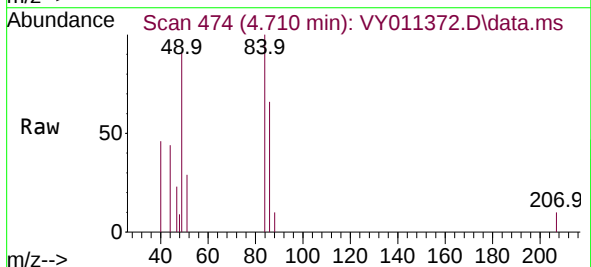


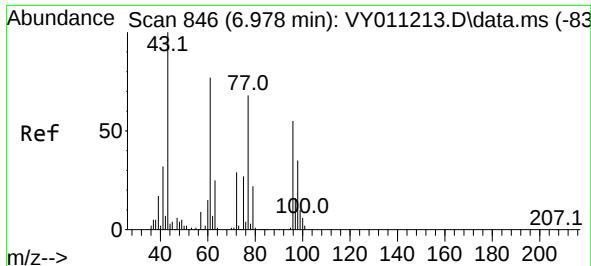
Tgt Ion:142 Resp: 555
Ion Ratio Lower Upper
142 100
127 33.0 41.5 62.3#
141 0.0 11.9 17.9#



#20
Methylene Chloride
Concen: 17.031 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.000 min
Lab File: VY011372.D
Acq: 08 Nov 2022 19:05

Tgt Ion: 84 Resp: 1960
Ion Ratio Lower Upper
84 100
49 90.8 114.4 171.6#
51 29.3 35.3 52.9#
86 65.6 53.7 80.5





#25

2-Butanone

Concen: 1.690 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY011372.D

Acq: 08 Nov 2022 19:05

Instrument :

MSVOA_Y

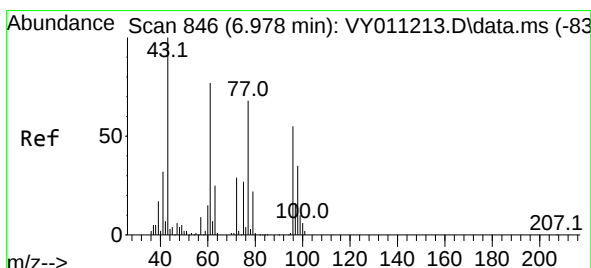
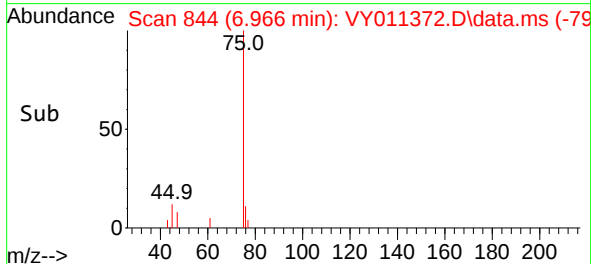
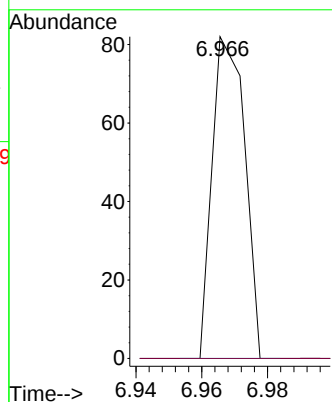
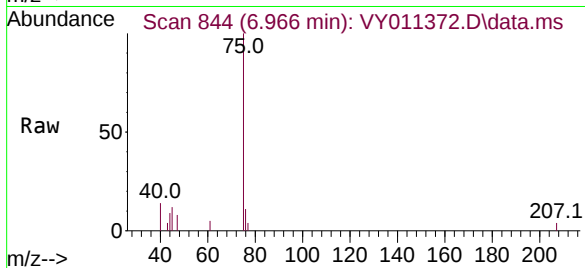
ClientSampleId :

Tgt Ion: 43 Resp: 56

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 1.710 ug/l

RT: 6.959 min Scan# 843

Delta R.T. -0.019 min

Lab File: VY011372.D

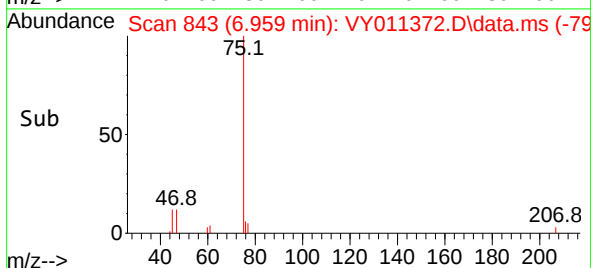
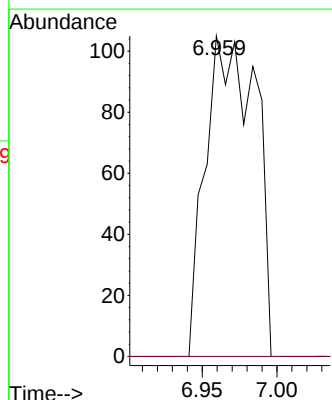
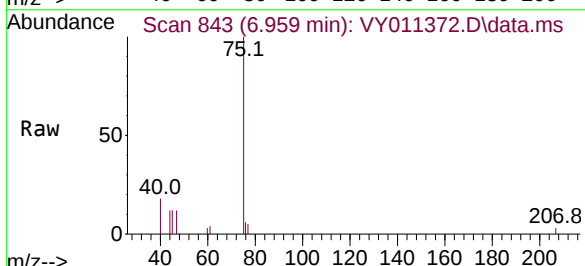
Acq: 08 Nov 2022 19:05

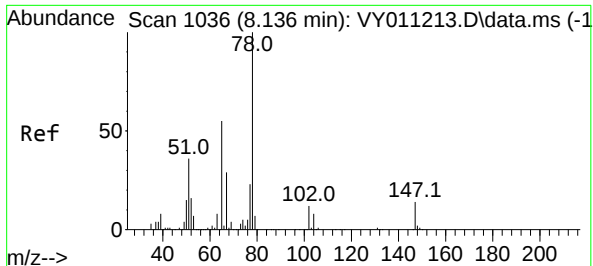
Tgt Ion: 77 Resp: 244

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#





#33

1,2-Dichloroethane-d4

Concen: 68.127 ug/l

RT: 8.142 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VY011372.D

Acq: 08 Nov 2022 19:05

Instrument :

MSVOA_Y

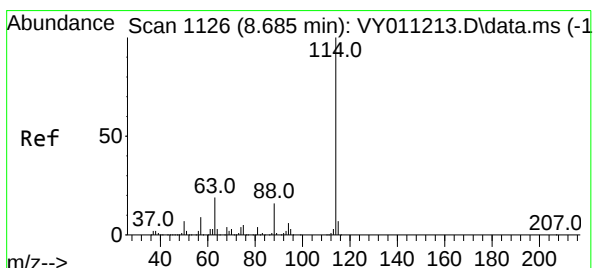
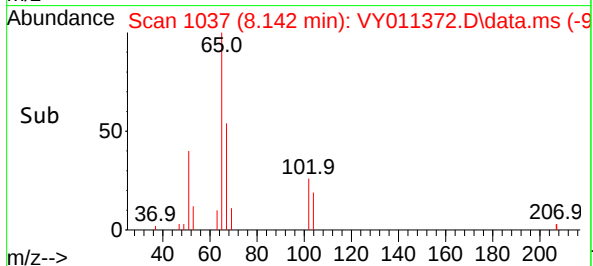
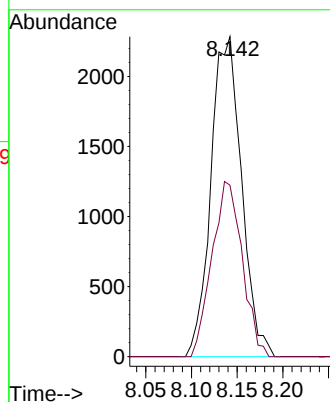
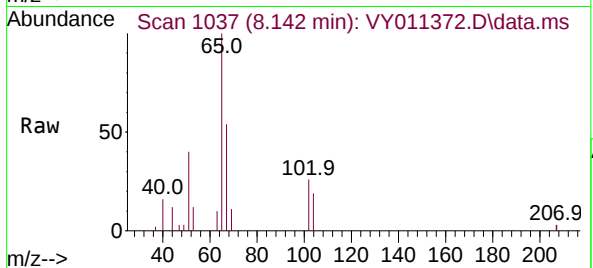
ClientSampleId :

Tgt Ion: 65 Resp: 5316

Ion Ratio Lower Upper

65 100

67 54.2 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY011372.D

Acq: 08 Nov 2022 19:05

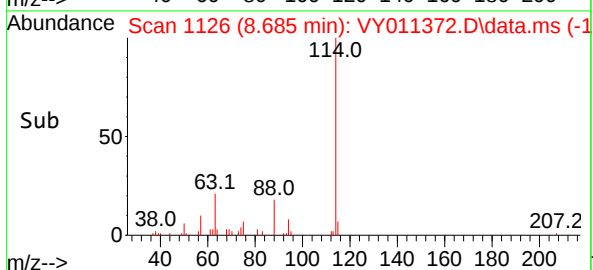
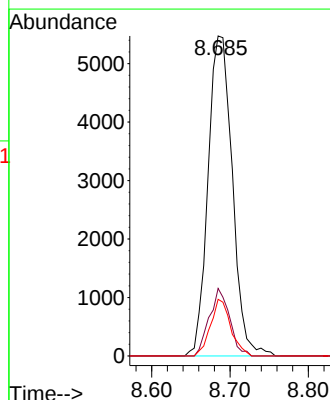
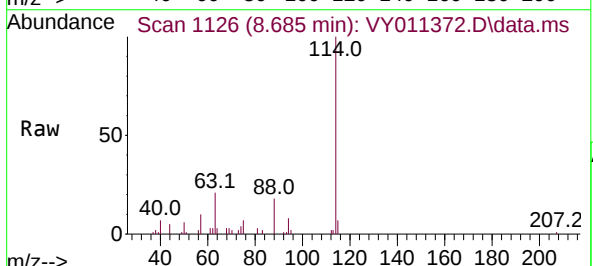
Tgt Ion: 114 Resp: 11801

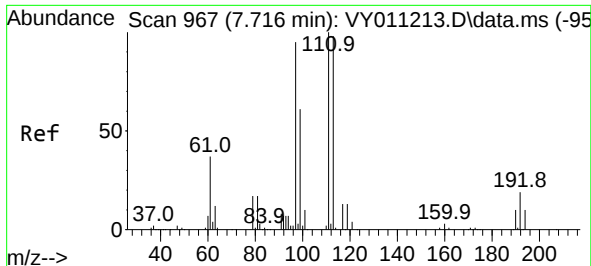
Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.2

88 17.7 0.0 31.8

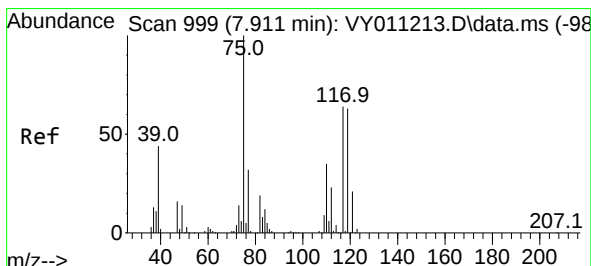
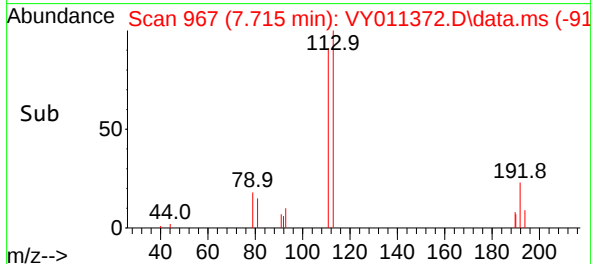
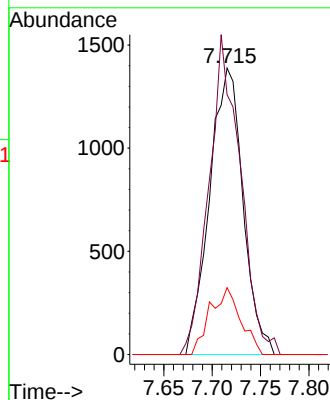
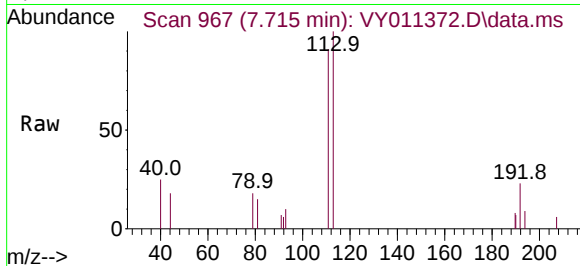




#35
Dibromofluoromethane
Concen: 44.078 ug/l
RT: 7.715 min Scan# 90
Delta R.T. 0.005 min
Lab File: VY011372.D
Acq: 08 Nov 2022 19:05

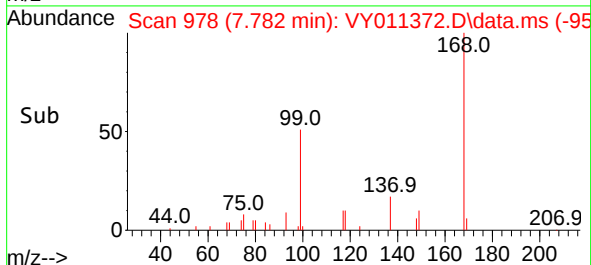
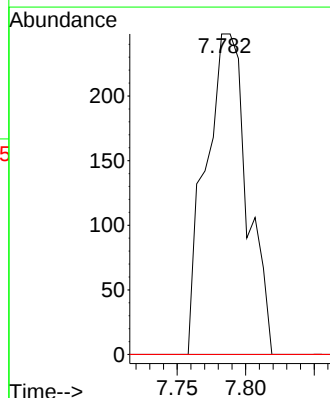
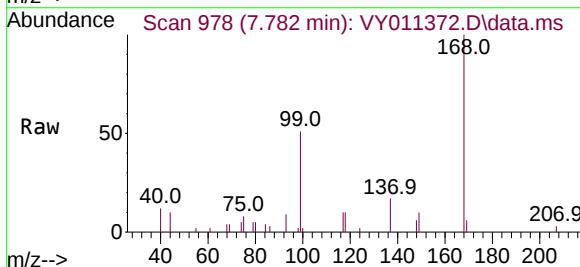
Instrument :
MSVOA_Y
ClientSampleId :

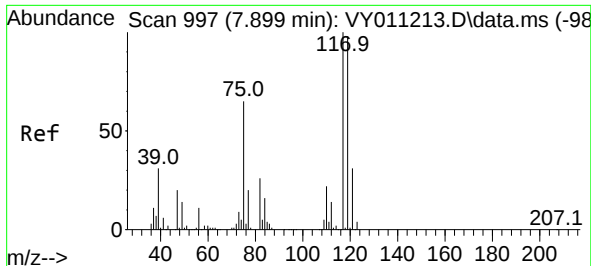
Tgt Ion:113 Resp: 3342
Ion Ratio Lower Upper
113 100
111 104.5 82.6 124.0
192 21.3 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.224 ug/l
RT: 7.782 min Scan# 978
Delta R.T. -0.135 min
Lab File: VY011372.D
Acq: 08 Nov 2022 19:05

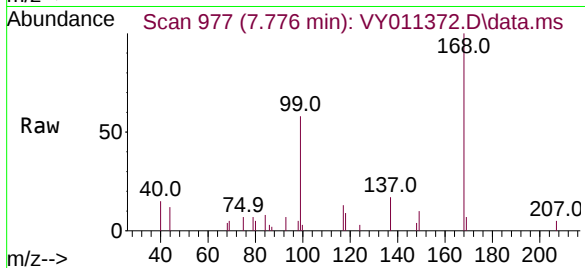
Tgt Ion: 75 Resp: 523
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.2#
77 0.0 24.4 36.6#



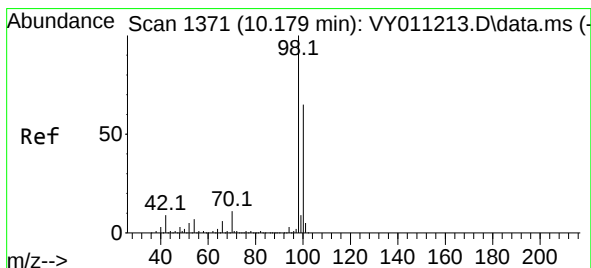
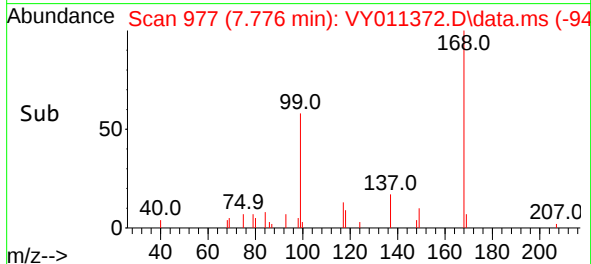
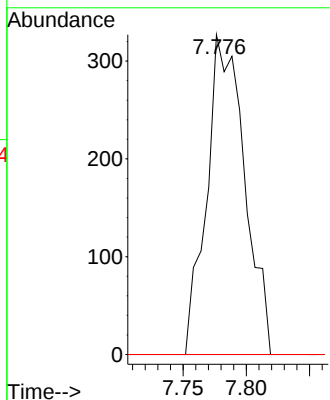


#38
Carbon Tetrachloride
Concen: 5.294 ug/l
RT: 7.776 min Scan# 91
Delta R.T. -0.123 min
Lab File: VY011372.D
Acq: 08 Nov 2022 19:05

Instrument :
MSVOA_Y
ClientSampleId :

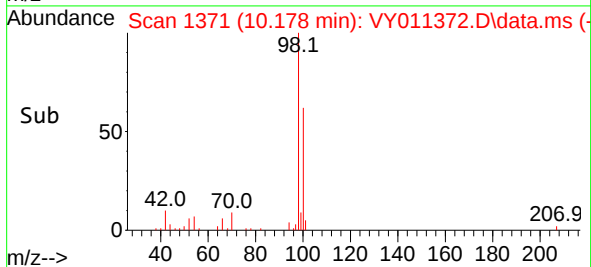
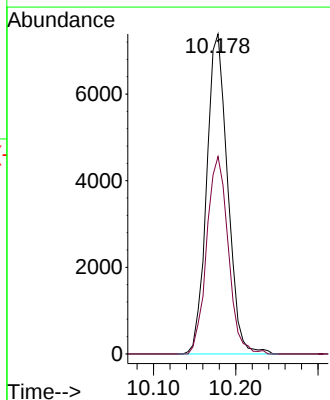
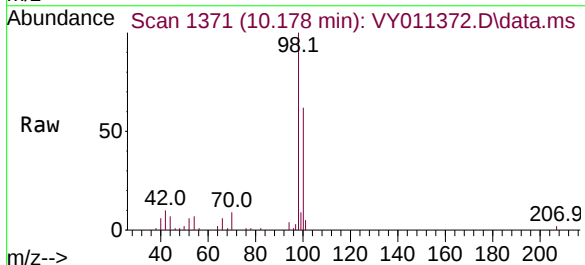


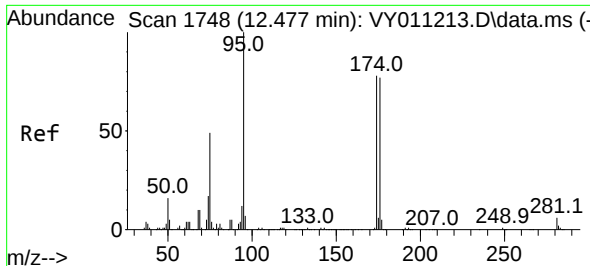
Tgt Ion:117 Resp: 680
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 44.422 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY011372.D
Acq: 08 Nov 2022 19:05

Tgt Ion: 98 Resp: 13077
Ion Ratio Lower Upper
98 100
100 63.5 50.2 75.2

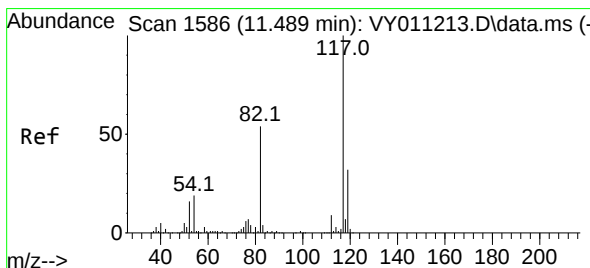
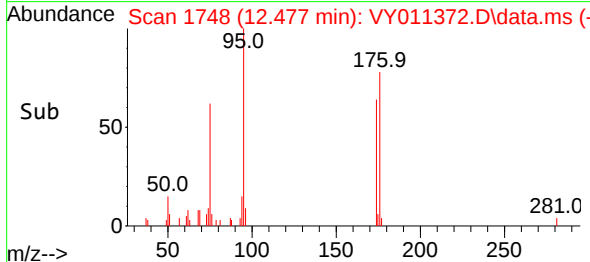
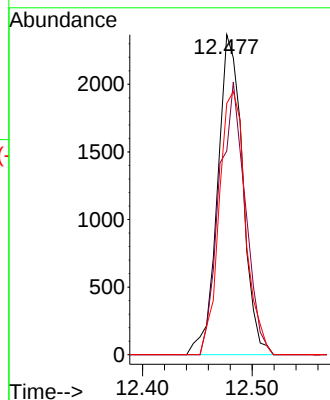
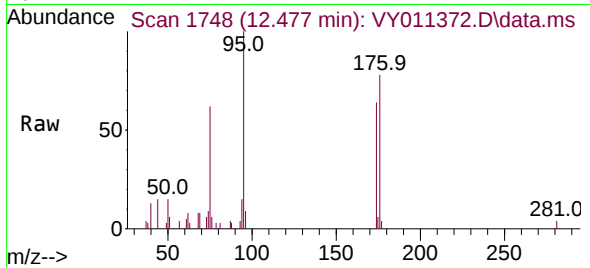




#62
4-Bromofluorobenzene
Concen: 36.684 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY011372.D
Acq: 08 Nov 2022 19:05

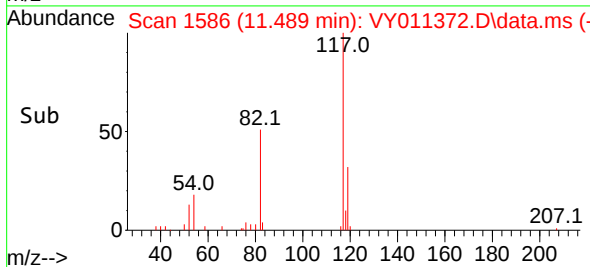
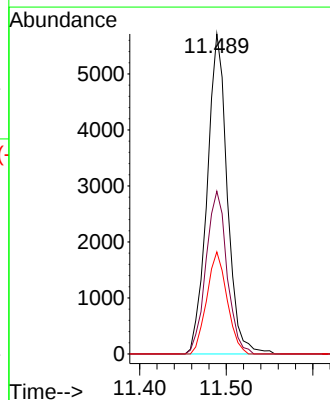
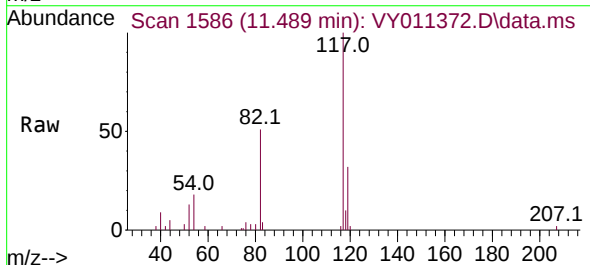
Instrument :
MSVOA_Y
ClientSampleId :

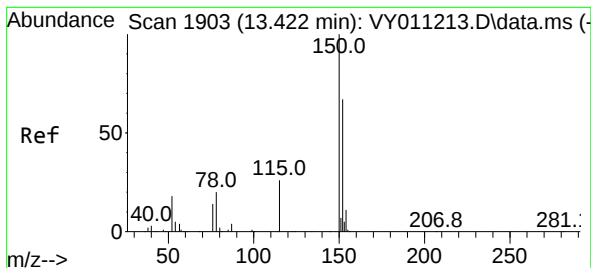
Tgt Ion: 95 Resp: 3749
Ion Ratio Lower Upper
95 100
174 88.2 0.0 177.0
176 86.6 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY011372.D
Acq: 08 Nov 2022 19:05

Tgt Ion: 117 Resp: 9225
Ion Ratio Lower Upper
117 100
82 50.9 43.0 64.4
119 31.9 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY011372.D

Acq: 08 Nov 2022 19:05

Instrument :

MSVOA_Y

ClientSampleId :

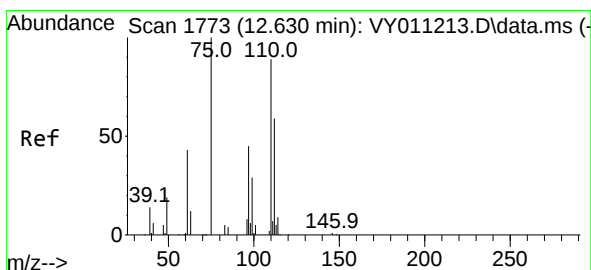
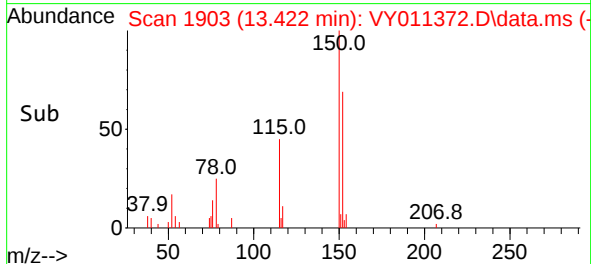
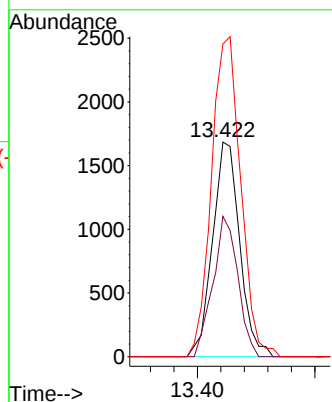
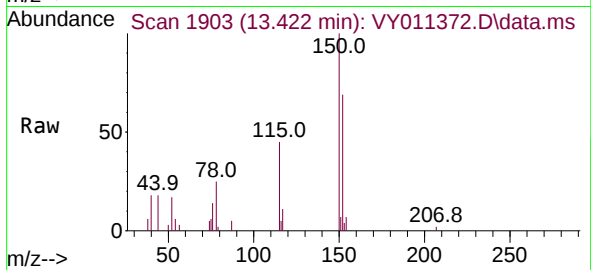
Tgt Ion:152 Resp: 2698

Ion Ratio Lower Upper

152 100

115 60.1 28.2 84.7

150 160.7 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 57.663 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY011372.D

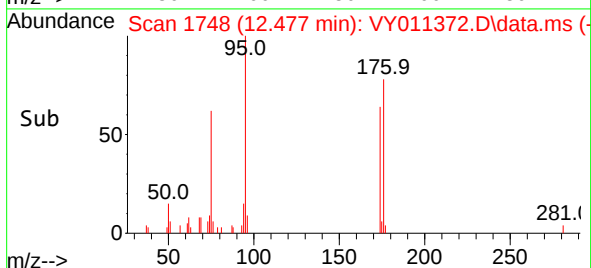
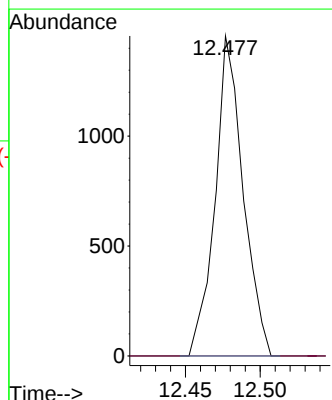
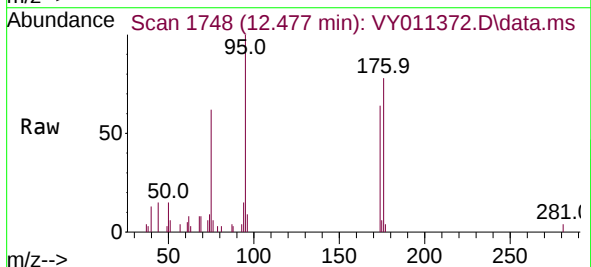
Acq: 08 Nov 2022 19:05

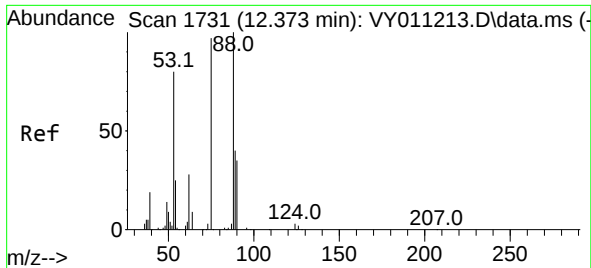
Tgt Ion: 75 Resp: 1894

Ion Ratio Lower Upper

75 100

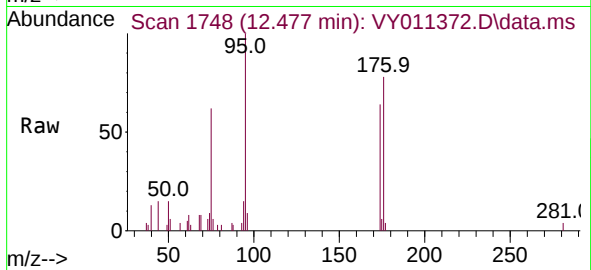
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.407 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY011372.D
 Acq: 08 Nov 2022 19:05

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 1894
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

