

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120922\
 Data File : VY011752.D
 Acq On : 09 Dec 2022 18:50
 Operator : KP/MD
 Sample : N5963-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-1195-08

Quant Time: Dec 10 03:56:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 03:30:20 2022
 Response via : Initial Calibration

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

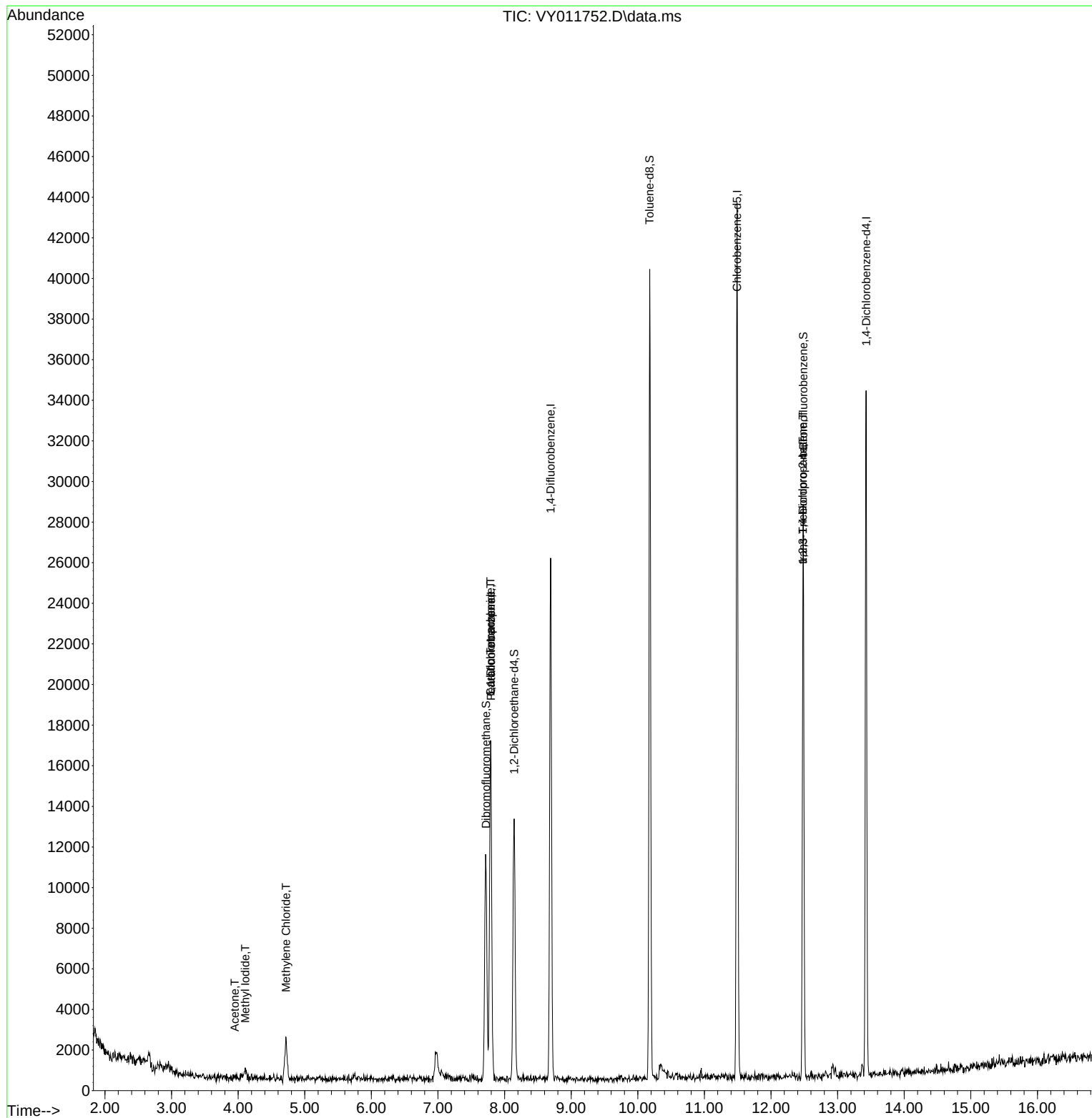
Internal Standards						
1) Pentafluorobenzene	7.795	168	13732	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	21926	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	23394	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	8920	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	10516	118.822	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 237.640%#	
35) Dibromofluoromethane	7.721	113	7818	82.805	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 165.620%#	
50) Toluene-d8	10.178	98	26643	88.535	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 177.080%#	
62) 4-Bromofluorobenzene	12.483	95	8807	71.219	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 142.440%	
Target Compounds						Qvalue
3) Chloromethane	2.119	50	123	Below Cal	#	41
10) Methyl Iodide	4.106	142	632	4.790	ug/l #	91
11) Tert butyl alcohol	4.941	59	21	Below Cal	#	74
16) Acetone	3.948	43	154	4.107	ug/l #	40
20) Methylene Chloride	4.716	84	1305	4.422	ug/l	97
31) Cyclohexane	7.782	56	218	Below Cal	#	30
36) 1,1-Dichloropropene	7.789	75	964	5.794	ug/l #	41
38) Carbon Tetrachloride	7.789	117	1209	6.186	ug/l #	21
76) 1,2,3-Trichloropropane	12.477	75	4389	48.633	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	4389	110.359	ug/l #	13

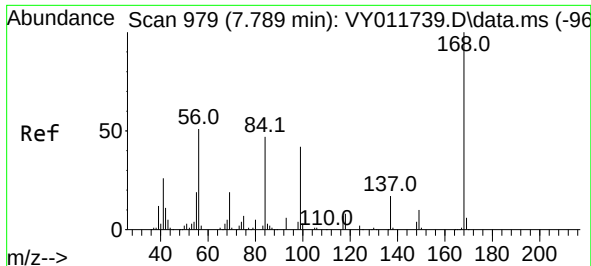
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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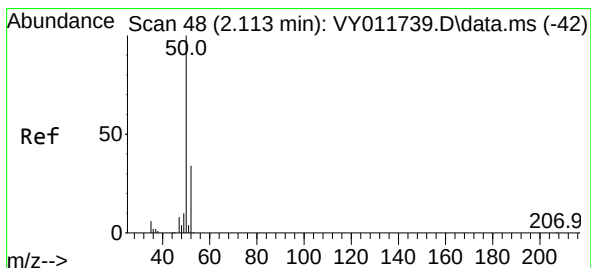
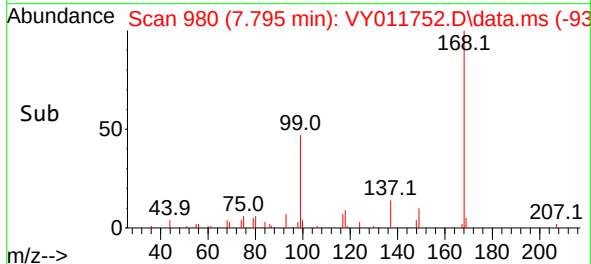
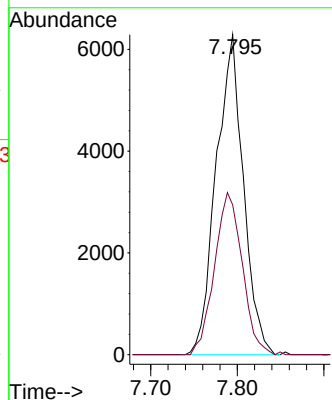
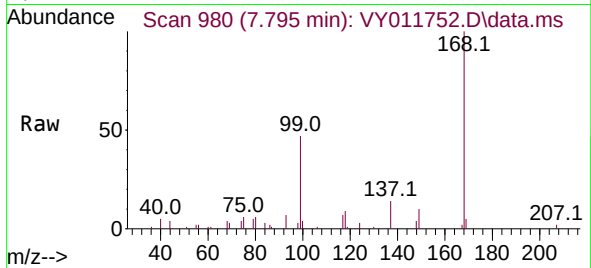




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011752.D
Acq: 09 Dec 2022 18:50

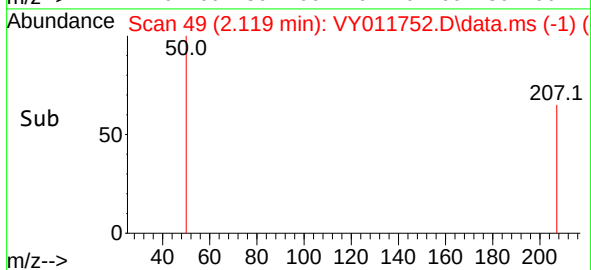
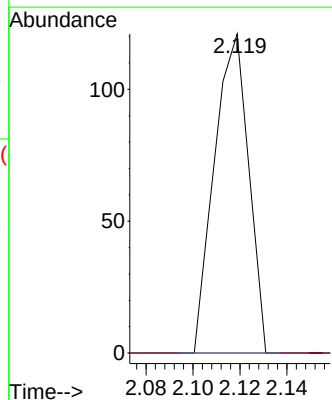
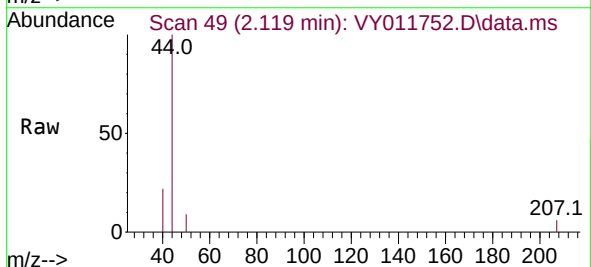
Instrument :
MSVOA_Y
ClientSampleId :
72-1195-08

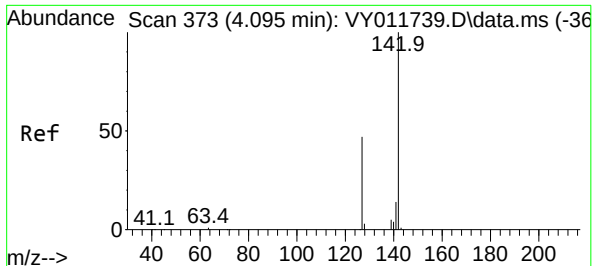
Tgt Ion:168 Resp: 13732
Ion Ratio Lower Upper
168 100
99 46.8 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY011752.D
Acq: 09 Dec 2022 18:50

Tgt Ion: 50 Resp: 123
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#





#10

Methyl Iodide

Concen: 4.790 ug/l

RT: 4.106 min Scan# 31

Delta R.T. 0.012 min

Lab File: VY011752.D

Acq: 09 Dec 2022 18:50

Instrument :

MSVOA_Y

ClientSampleId :

72-1195-08

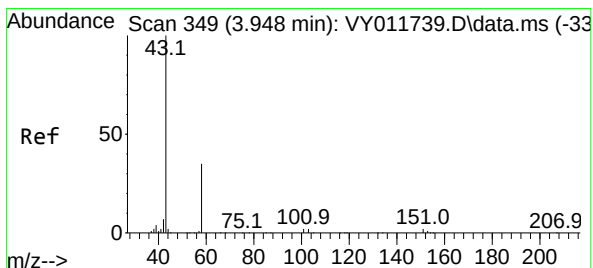
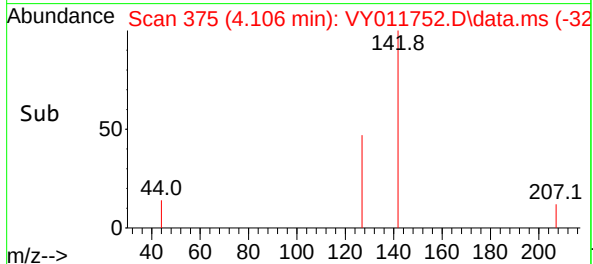
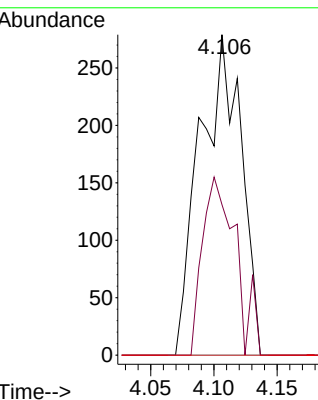
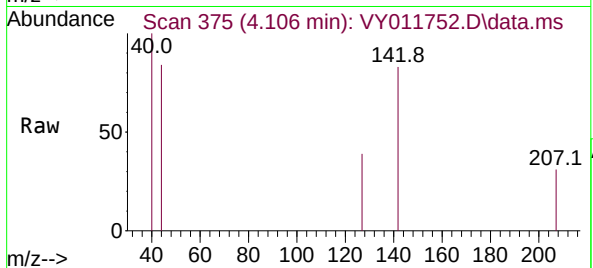
Tgt Ion:142 Resp: 632

Ion Ratio Lower Upper

142 100

127 45.1 37.0 55.4

141 0.0 11.4 17.0#



#16

Acetone

Concen: 4.107 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.000 min

Lab File: VY011752.D

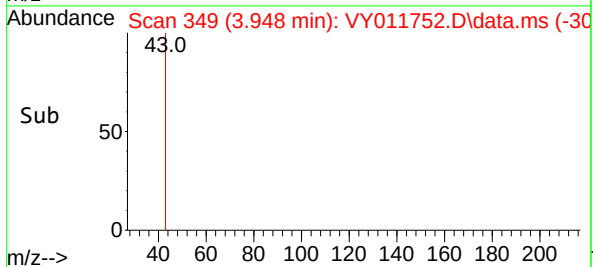
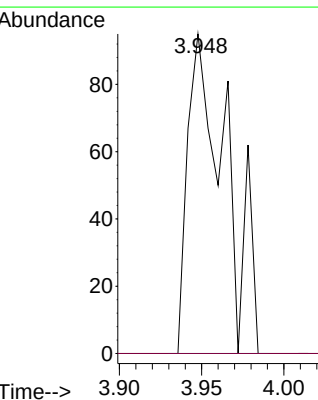
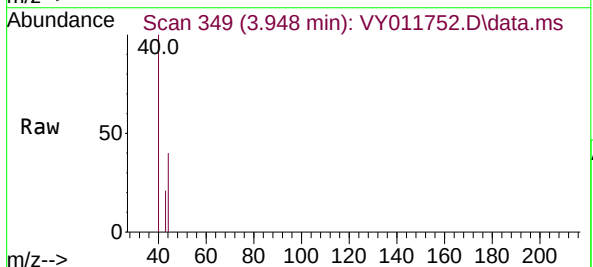
Acq: 09 Dec 2022 18:50

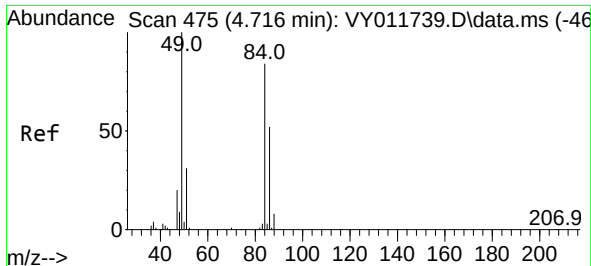
Tgt Ion: 43 Resp: 154

Ion Ratio Lower Upper

43 100

58 0.0 27.9 41.9#





#20

Methylene Chloride

Concen: 4.422 ug/l

RT: 4.716 min Scan# 41

Delta R.T. -0.000 min

Lab File: VY011752.D

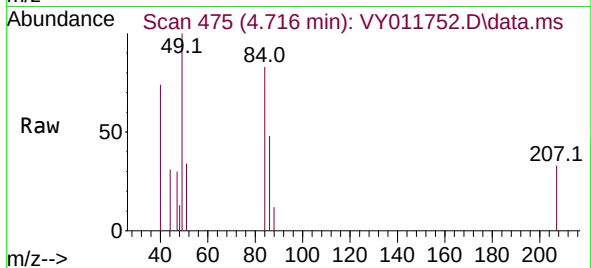
Acq: 09 Dec 2022 18:50

Instrument :

MSVOA_Y

ClientSampleId :

72-1195-08



Tgt Ion: 84 Resp: 1305

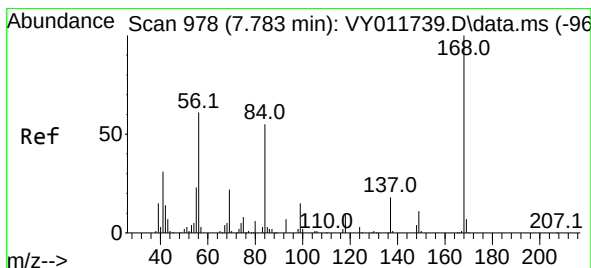
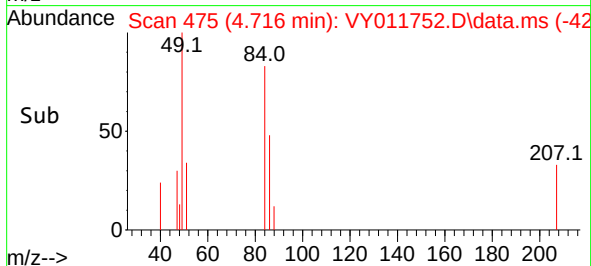
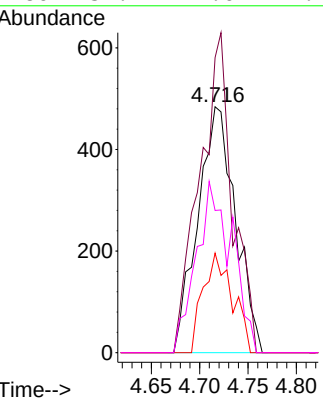
Ion Ratio Lower Upper

84 100

49 120.0 95.4 143.2

51 40.5 29.9 44.9

86 57.9 49.6 74.4



#31

Cyclohexane

Concen: Below Cal

RT: 7.782 min Scan# 978

Delta R.T. -0.001 min

Lab File: VY011752.D

Acq: 09 Dec 2022 18:50

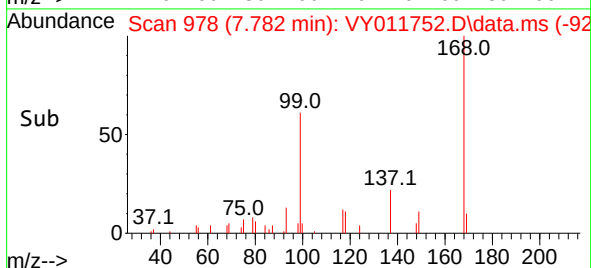
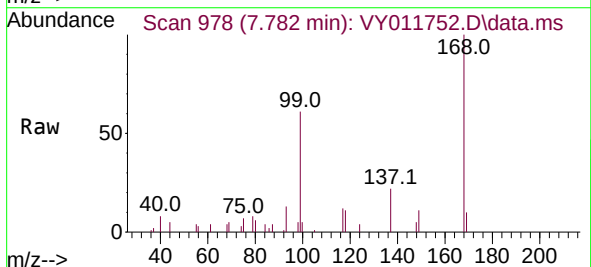
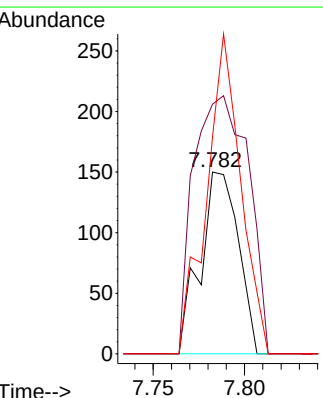
Tgt Ion: 56 Resp: 218

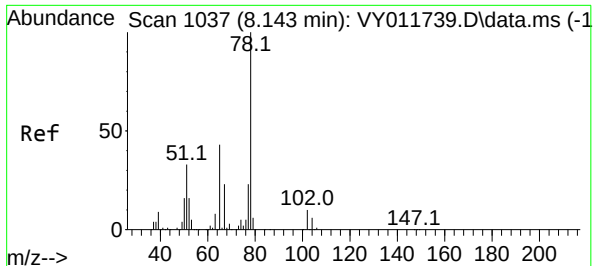
Ion Ratio Lower Upper

56 100

69 137.3 29.2 43.8#

84 119.3 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 118.822 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY011752.D

Acq: 09 Dec 2022 18:50

Instrument :

MSVOA_Y

ClientSampleId :

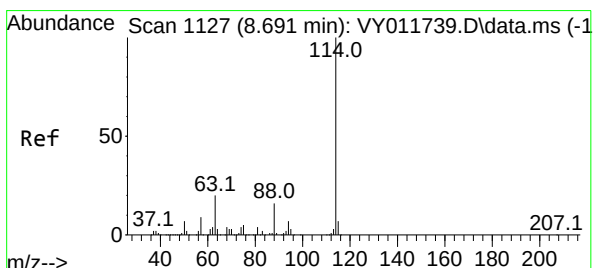
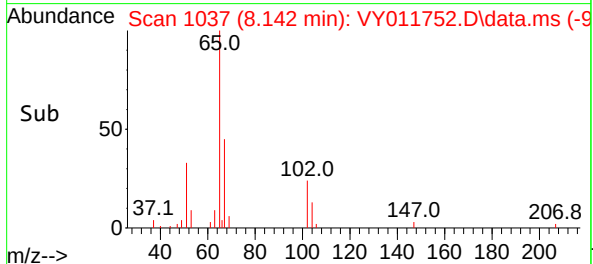
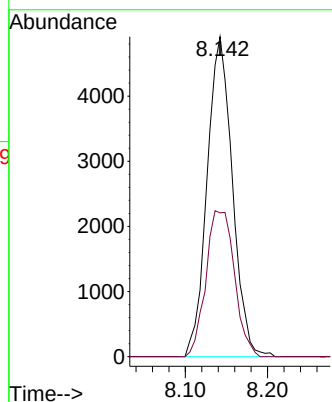
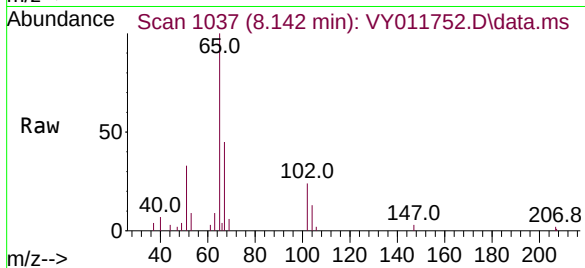
72-1195-08

Tgt Ion: 65 Resp: 10516

Ion Ratio Lower Upper

65 100

67 51.3 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY011752.D

Acq: 09 Dec 2022 18:50

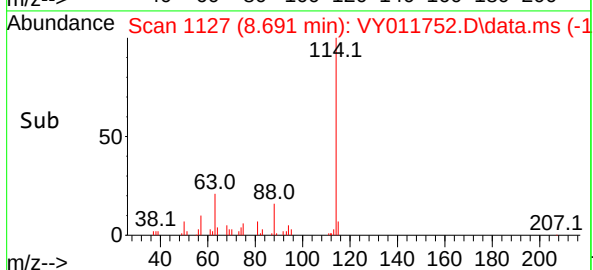
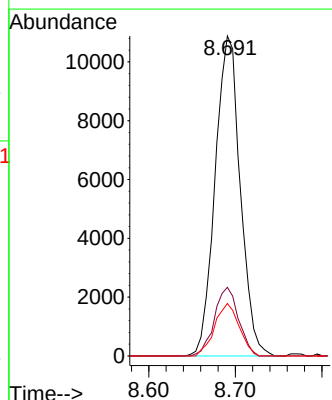
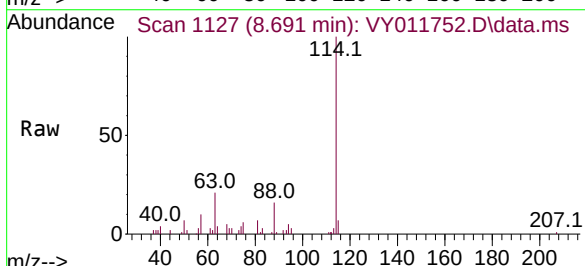
Tgt Ion: 114 Resp: 21926

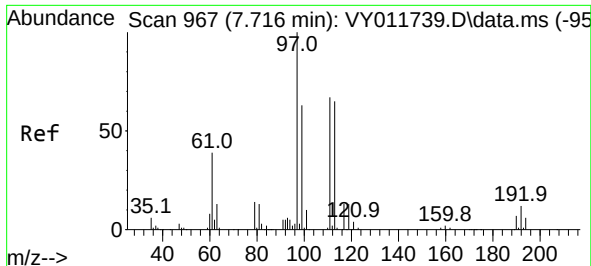
Ion Ratio Lower Upper

114 100

63 21.5 0.0 39.6

88 16.4 0.0 32.2





#35

Dibromofluoromethane

Concen: 82.805 ug/l

RT: 7.721 min Scan# 9

Delta R.T. 0.005 min

Lab File: VY011752.D

Acq: 09 Dec 2022 18:50

Instrument :

MSVOA_Y

ClientSampleId :

72-1195-08

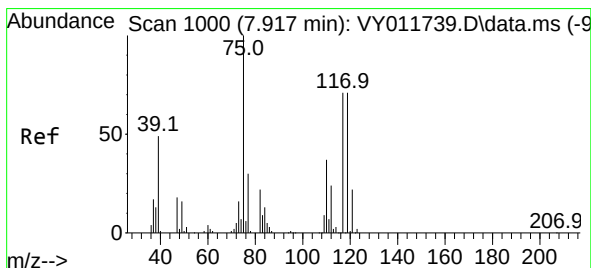
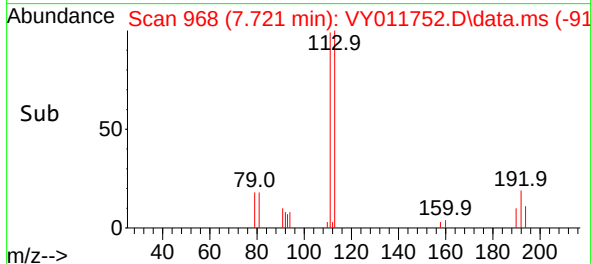
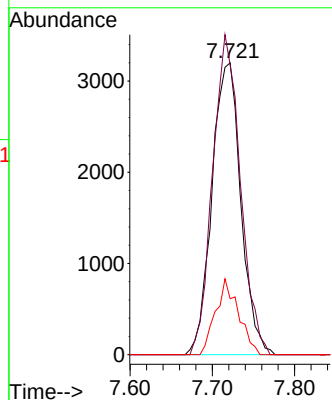
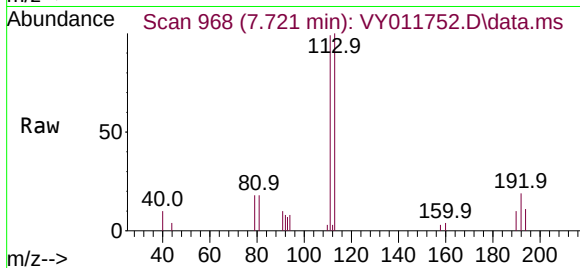
Tgt Ion:113 Resp: 7818

Ion Ratio Lower Upper

113 100

111 105.2 83.0 124.4

192 20.6 16.0 24.0



#36

1,1-Dichloropropene

Concen: 5.794 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.128 min

Lab File: VY011752.D

Acq: 09 Dec 2022 18:50

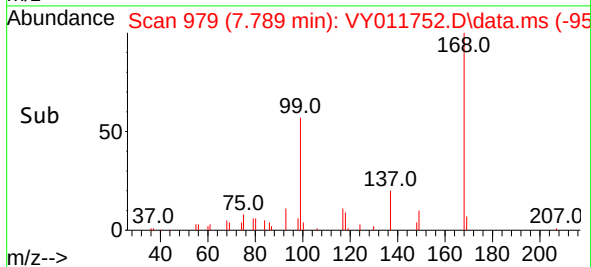
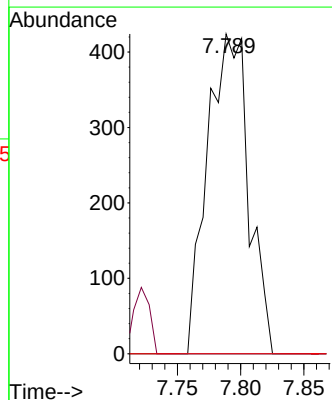
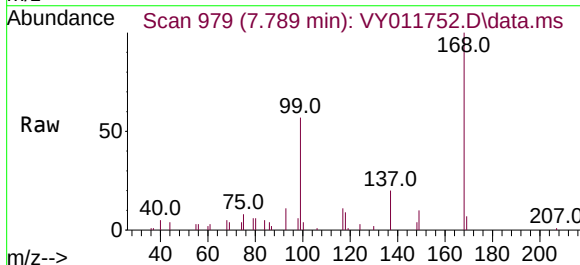
Tgt Ion: 75 Resp: 964

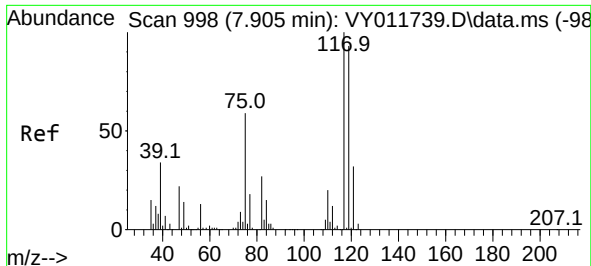
Ion Ratio Lower Upper

75 100

110 0.0 18.1 54.1#

77 0.0 25.1 37.7#

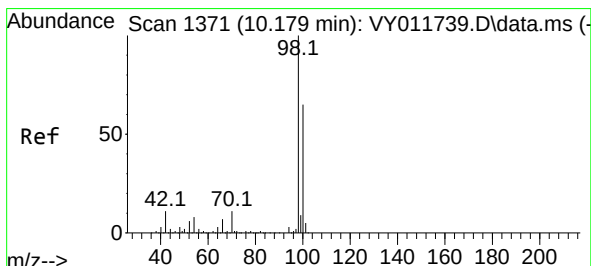
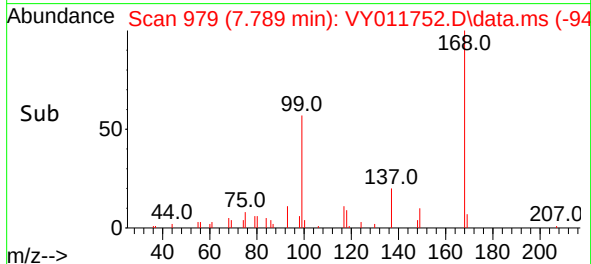
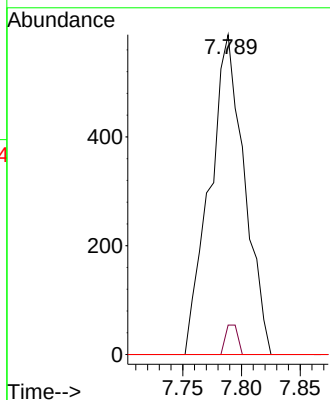
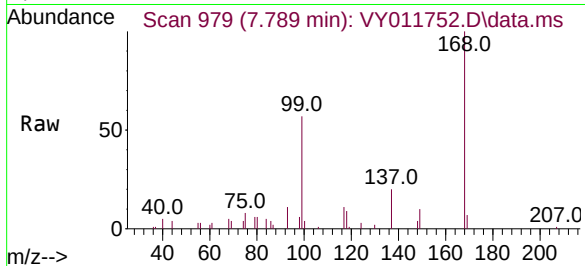




#38
Carbon Tetrachloride
Concen: 6.186 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011752.D
Acq: 09 Dec 2022 18:50

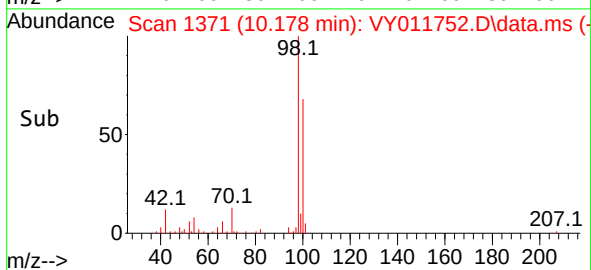
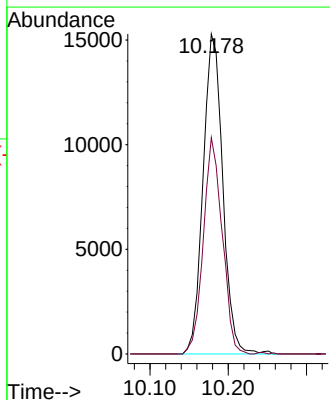
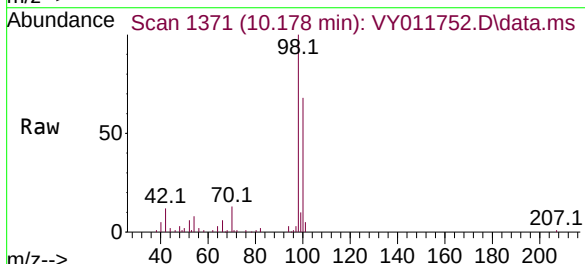
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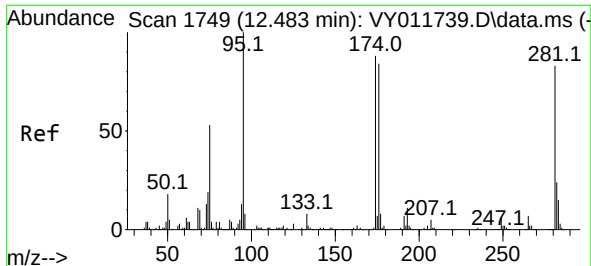
Tgt Ion:117 Resp: 1209
Ion Ratio Lower Upper
117 100
119 9.2 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 88.535 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY011752.D
Acq: 09 Dec 2022 18:50

Tgt Ion: 98 Resp: 26643
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9

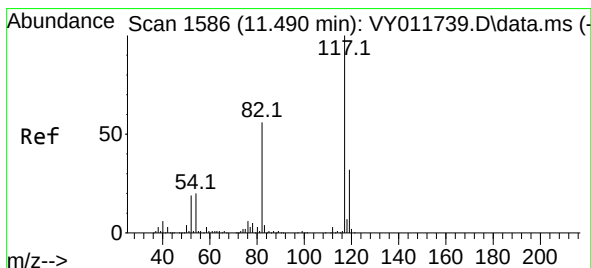
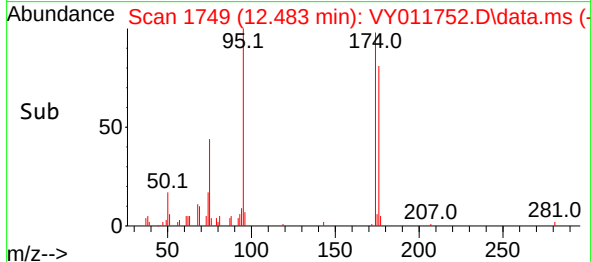
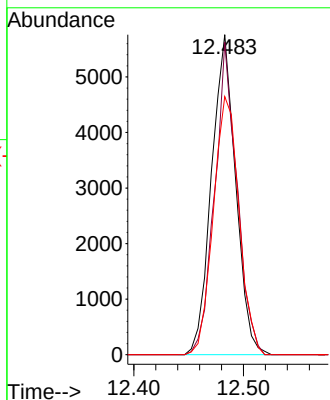
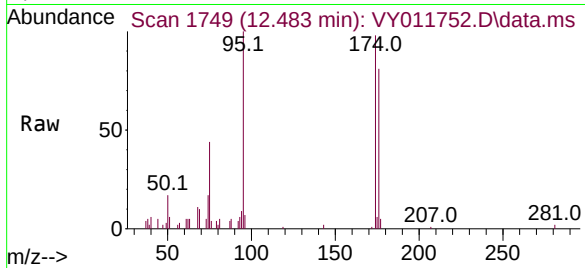




#62
4-Bromofluorobenzene
Concen: 71.219 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011752.D
Acq: 09 Dec 2022 18:50

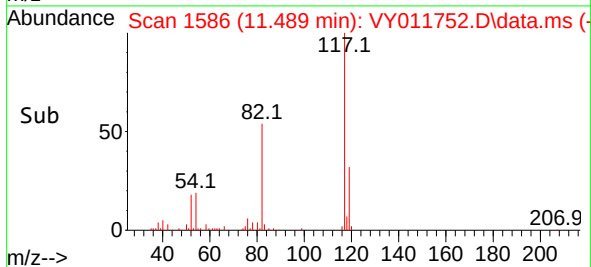
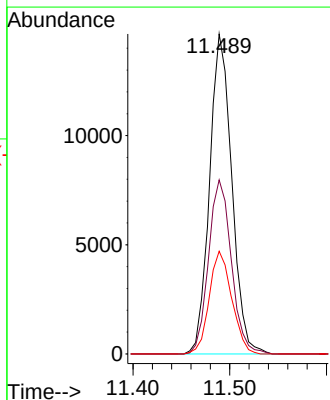
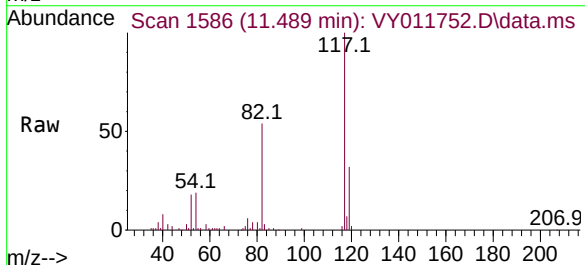
Instrument :
MSVOA_Y
ClientSampleId :
72-1195-08

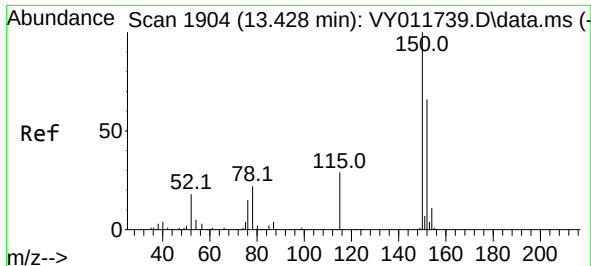
Tgt Ion: 95 Resp: 8807
Ion Ratio Lower Upper
95 100
174 90.2 0.0 172.0
176 85.9 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011752.D
Acq: 09 Dec 2022 18:50

Tgt Ion: 117 Resp: 23394
Ion Ratio Lower Upper
117 100
82 54.4 44.8 67.2
119 32.1 25.4 38.2

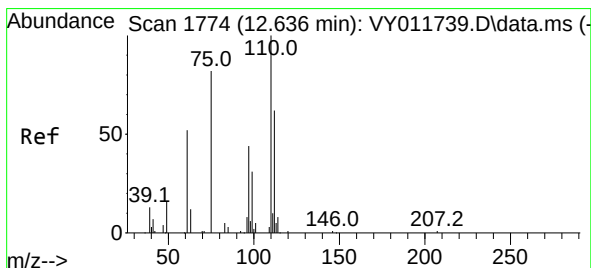
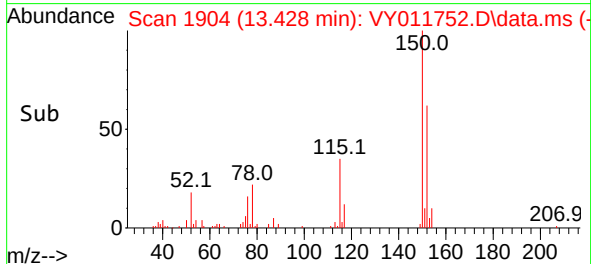
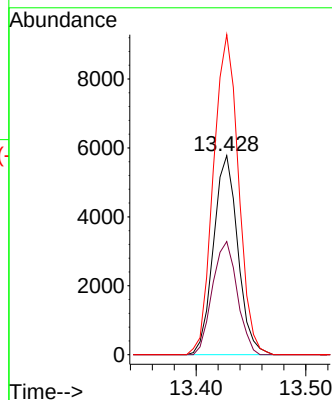
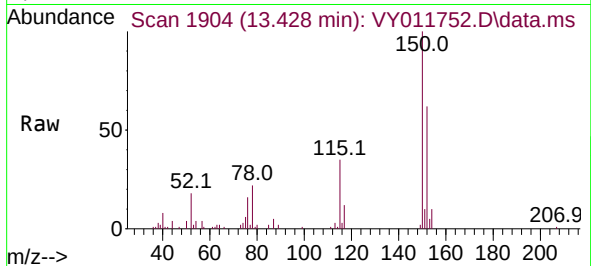




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY011752.D
 Acq: 09 Dec 2022 18:50

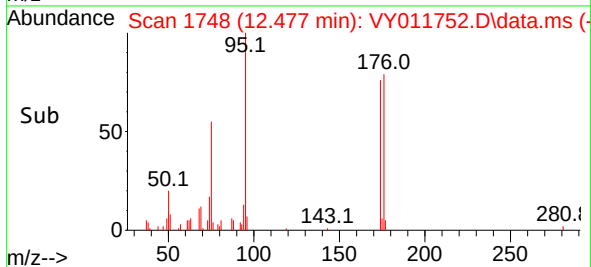
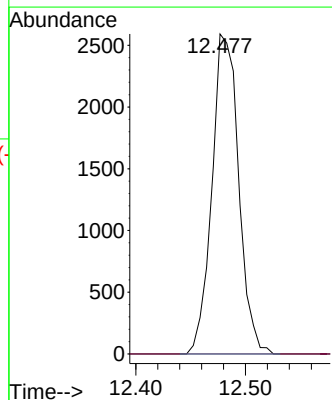
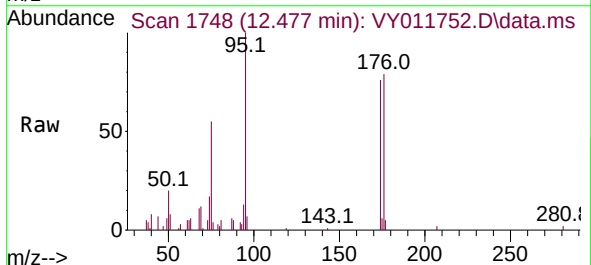
Instrument :
 MSVOA_Y
 ClientSampleId :
 72-1195-08

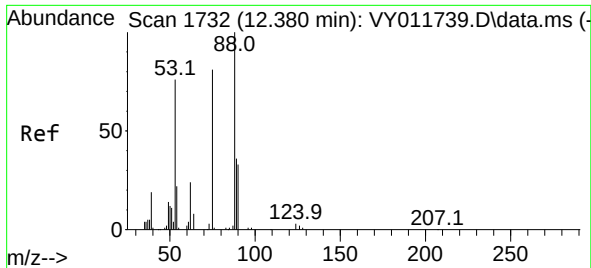
Tgt Ion:152 Resp: 8920
 Ion Ratio Lower Upper
 152 100
 115 57.9 29.1 87.3
 150 165.5 0.0 342.6



#76
 1,2,3-Trichloropropane
 Concen: 48.633 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.159 min
 Lab File: VY011752.D
 Acq: 09 Dec 2022 18:50

Tgt Ion: 75 Resp: 4389
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.359 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY011752.D
 Acq: 09 Dec 2022 18:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-1195-08

Tgt Ion: 75 Resp: 4389
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.0 37.0 55.4#

