

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121222\
 Data File : VY011770.D
 Acq On : 12 Dec 2022 14:49
 Operator : KP/MD
 Sample : N5963-04RE
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR200046-03

Quant Time: Dec 13 00:19:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	273917	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	456994	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	385876	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	165784	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	96235	51.643	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.280%
35) Dibromofluoromethane	7.716	113	98675	48.481	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.960%
50) Toluene-d8	10.179	98	286323	41.942	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	83.880%
62) 4-Bromofluorobenzene	12.483	95	104391	38.334	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	76.660%

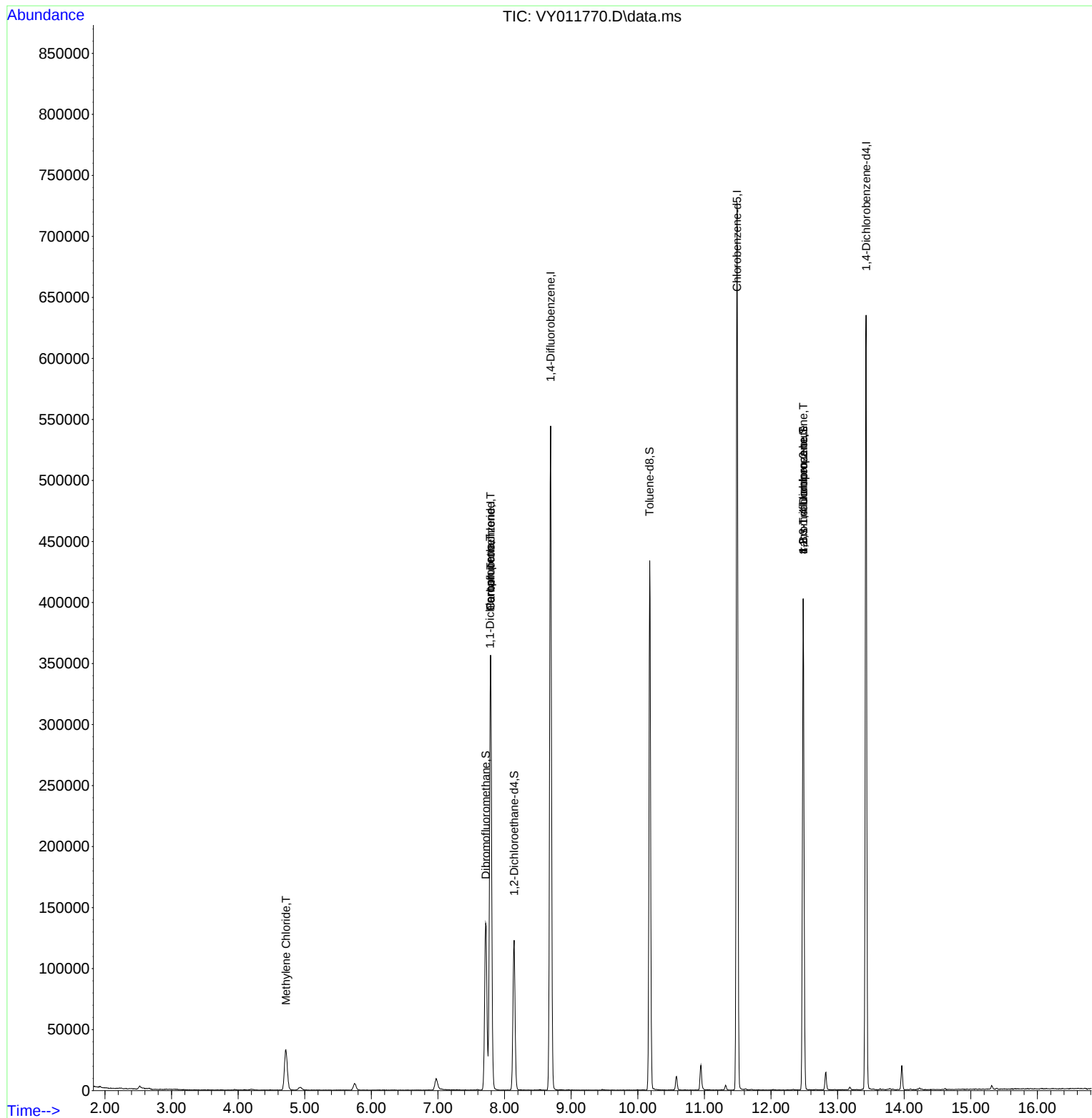
Target Compounds					Qvalue
3) Chloromethane	2.125	50	149	Below Cal	# 41
5) Bromomethane	2.650	94	180	Below Cal	# 69
11) Tert butyl alcohol	4.930	59	2798	Below Cal	# 74
18) Methyl Acetate	4.473	43	90	Below Cal	# 50
20) Methylene Chloride	4.716	84	25624	4.248	ug/l 96
31) Cyclohexane	7.789	56	5901	Below Cal	# 5
36) 1,1-Dichloropropene	7.783	75	20693	5.967	ug/l # 49
38) Carbon Tetrachloride	7.789	117	28274	6.941	ug/l # 18
76) 1,2,3-Trichloropropane	12.483	75	54737	32.634	ug/l # 100
81) trans-1,4-Dichloro-2-b...	12.483	75	54737	74.053	ug/l # 13

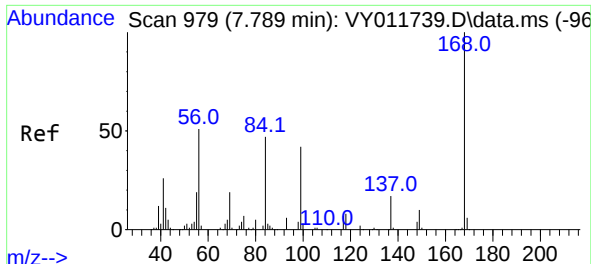
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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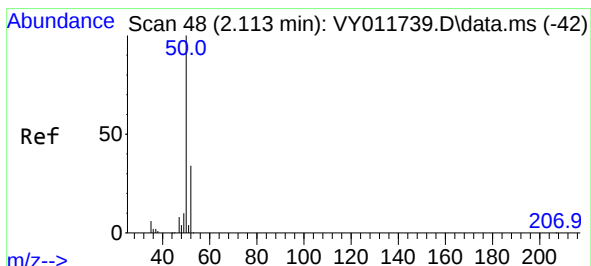
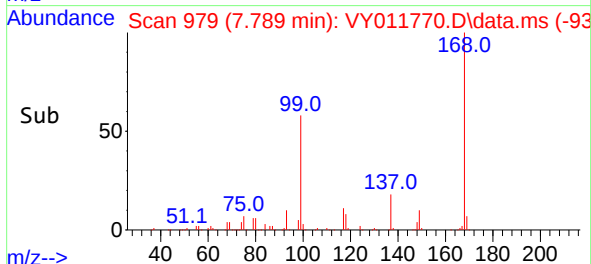
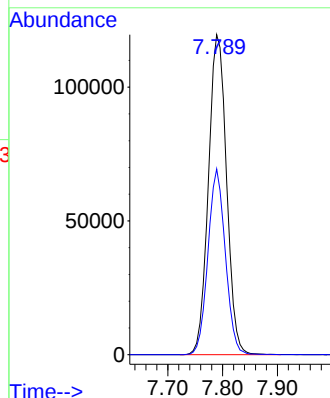
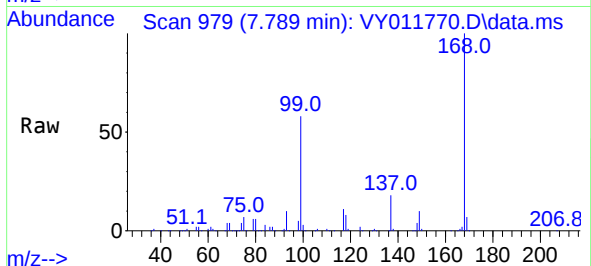




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011770.D
Acq: 12 Dec 2022 14:49

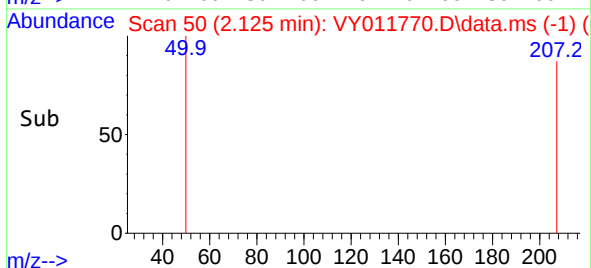
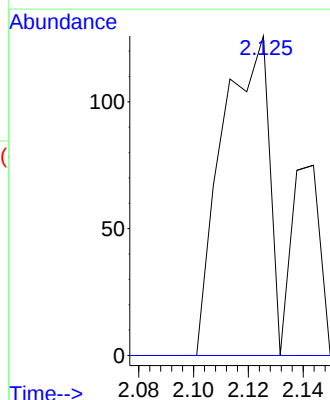
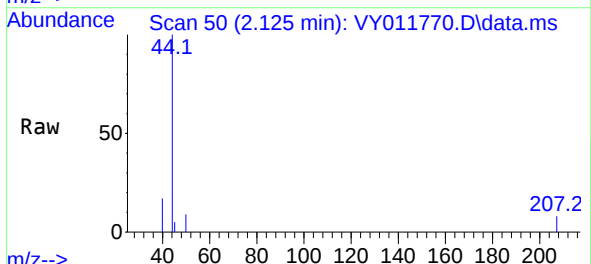
Instrument :
MSVOA_Y
ClientSampleId :
RBR200046-03

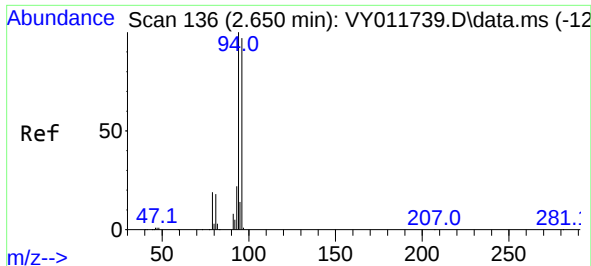
Tgt Ion:168 Resp: 273917
Ion Ratio Lower Upper
168 100
99 58.1 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 2.125 min Scan# 50
Delta R.T. 0.012 min
Lab File: VY011770.D
Acq: 12 Dec 2022 14:49

Tgt Ion: 50 Resp: 149
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

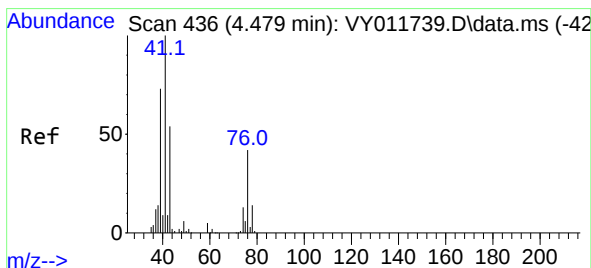
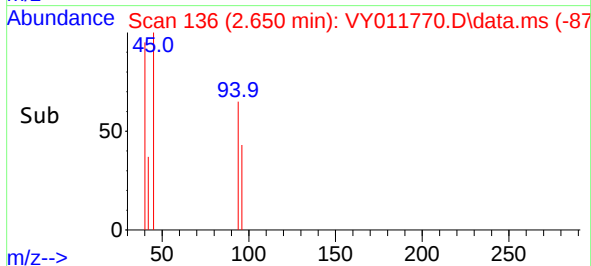
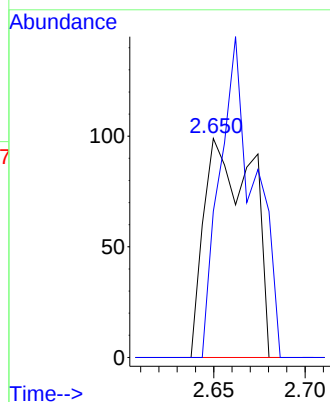
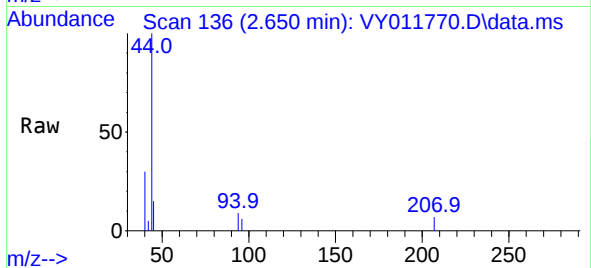




#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011770.D
Acq: 12 Dec 2022 14:49

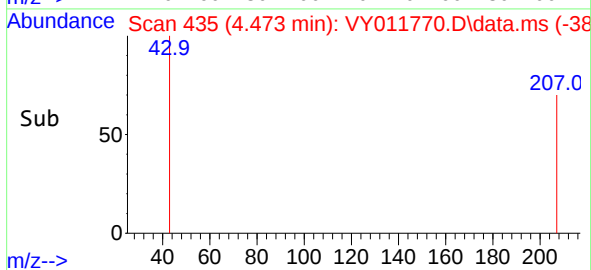
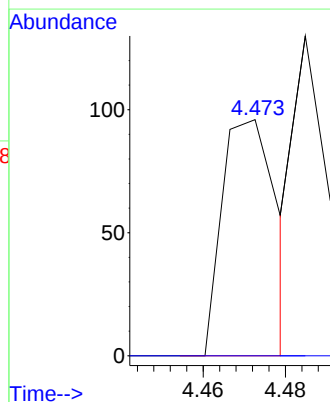
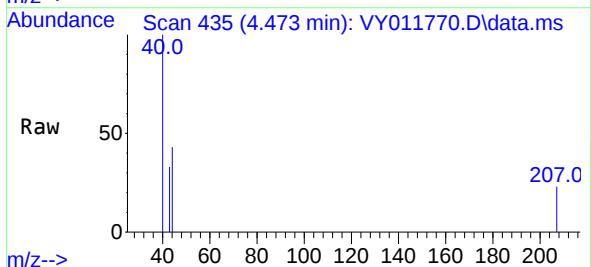
Instrument :
MSVOA_Y
ClientSampleId :
RBR200046-03

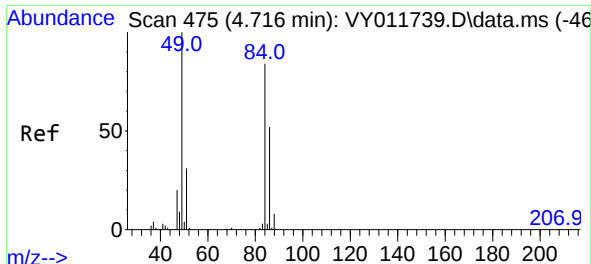
Tgt Ion: 94 Resp: 180
Ion Ratio Lower Upper
94 100
96 66.7 77.4 116.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.473 min Scan# 435
Delta R.T. -0.006 min
Lab File: VY011770.D
Acq: 12 Dec 2022 14:49

Tgt Ion: 43 Resp: 90
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#

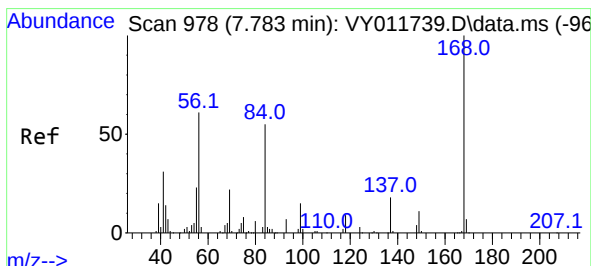
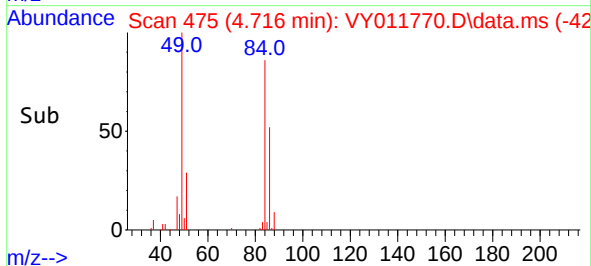
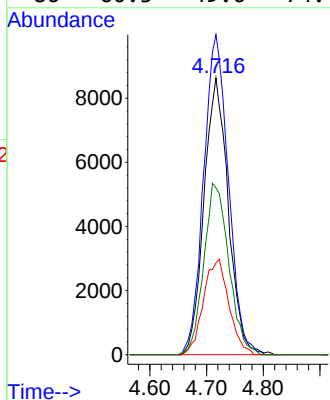
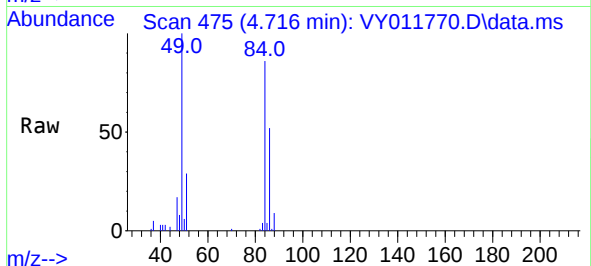




#20
Methylene Chloride
Concen: 4.248 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011770.D
Acq: 12 Dec 2022 14:49

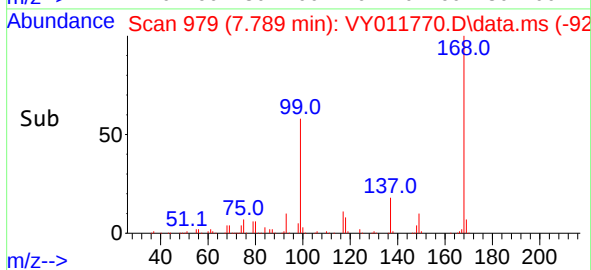
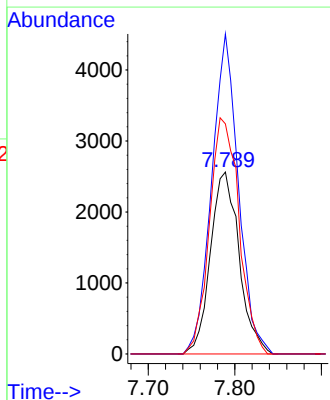
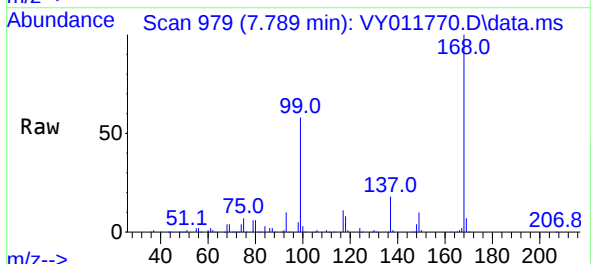
Instrument :
MSVOA_Y
ClientSampleId :
RBR200046-03

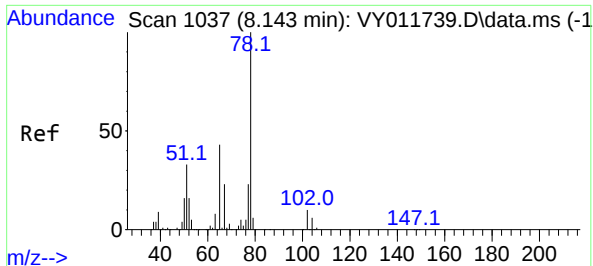
Tgt Ion:	84	Resp:	25624
Ion	Ratio	Lower	Upper
84	100		
49	115.7	95.4	143.2
51	33.1	29.9	44.9
86	60.3	49.6	74.4



#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY011770.D
Acq: 12 Dec 2022 14:49

Tgt Ion:	56	Resp:	5901
Ion	Ratio	Lower	Upper
56	100		
69	176.0	29.2	43.8#
84	126.5	72.6	108.8#





#33

1,2-Dichloroethane-d4

Concen: 51.643 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY011770.D

Acq: 12 Dec 2022 14:49

Instrument :

MSVOA_Y

ClientSampleId :

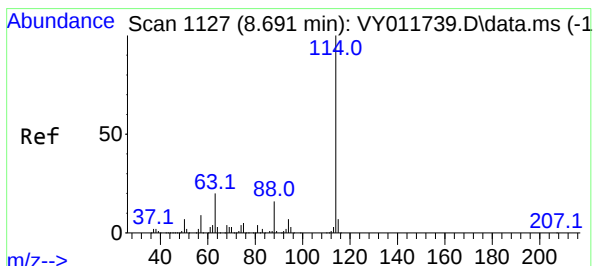
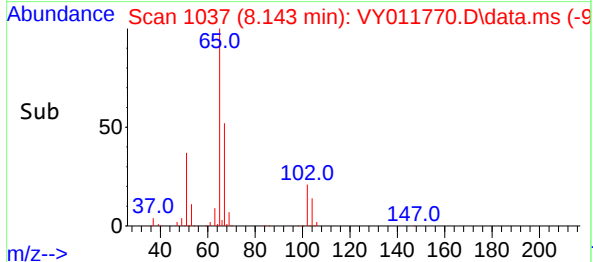
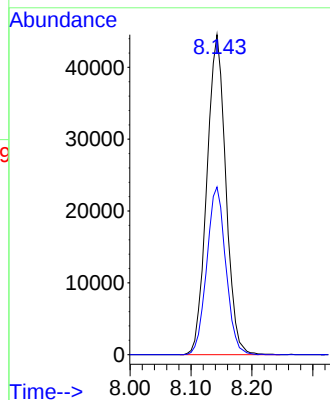
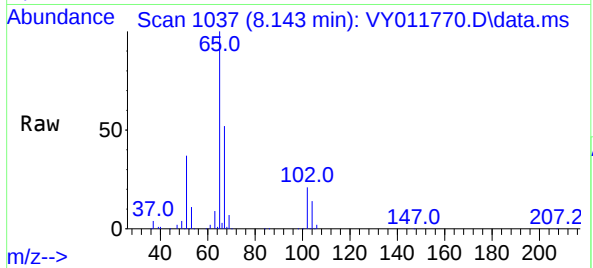
RBR200046-03

Tgt Ion: 65 Resp: 96235

Ion Ratio Lower Upper

65 100

67 52.6 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: VY011770.D

Acq: 12 Dec 2022 14:49

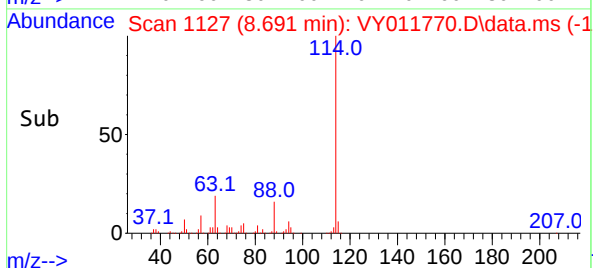
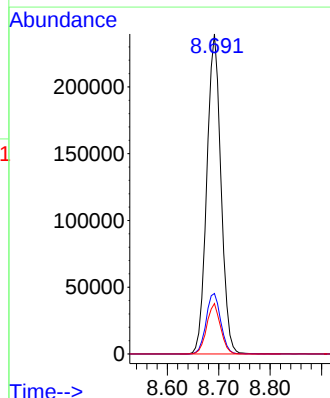
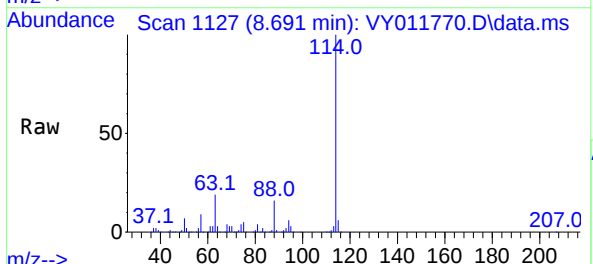
Tgt Ion: 114 Resp: 456994

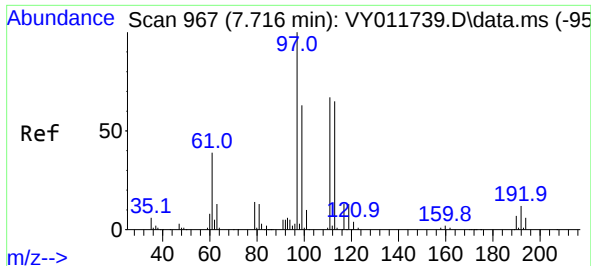
Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.6

88 15.7 0.0 32.2

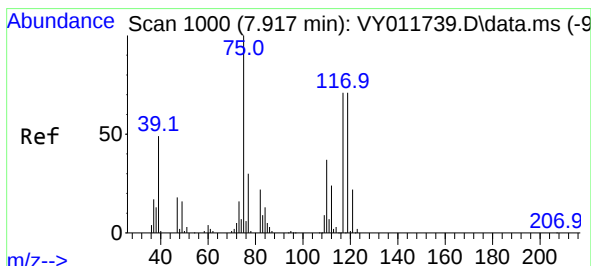
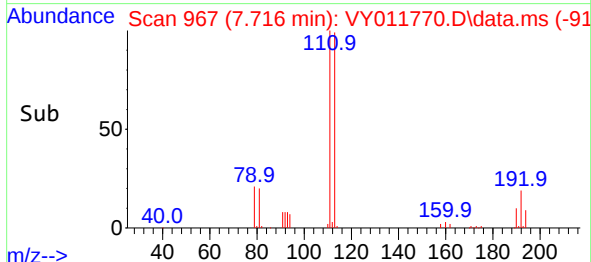
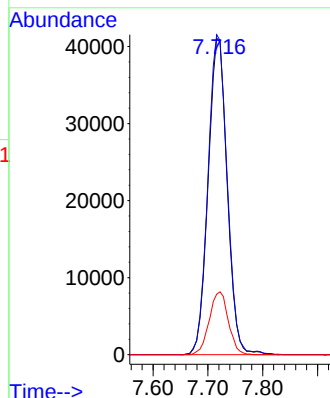
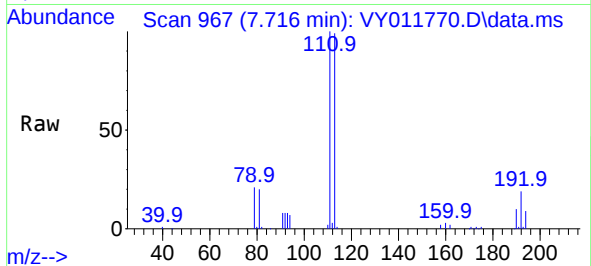




#35
Dibromofluoromethane
Concen: 48.481 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011770.D
Acq: 12 Dec 2022 14:49

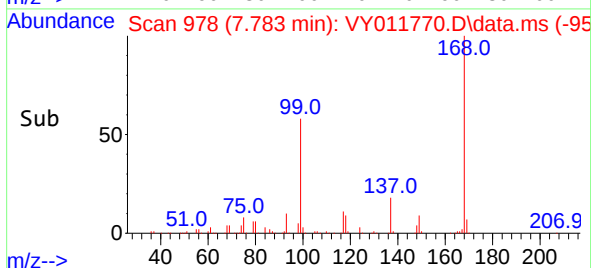
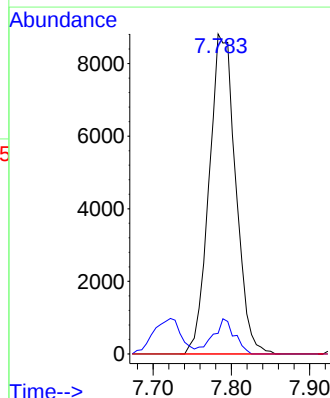
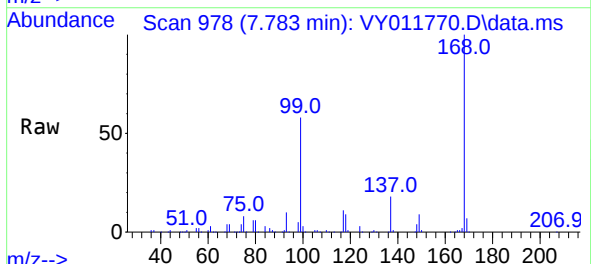
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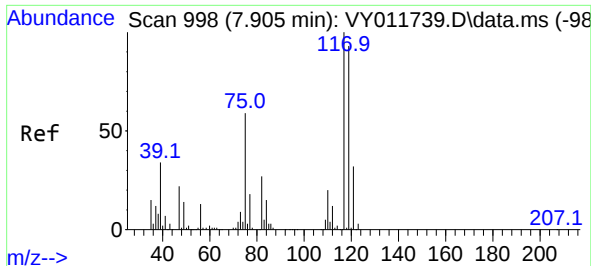
Tgt Ion:	113	Resp:	98675
Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.0	124.4
192	19.9	16.0	24.0



#36
1,1-Dichloropropene
Concen: 5.967 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY011770.D
Acq: 12 Dec 2022 14:49

Tgt Ion:	75	Resp:	20693
Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.1	54.1#
77	0.0	25.1	37.7#

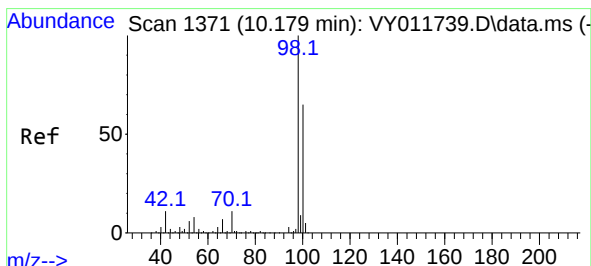
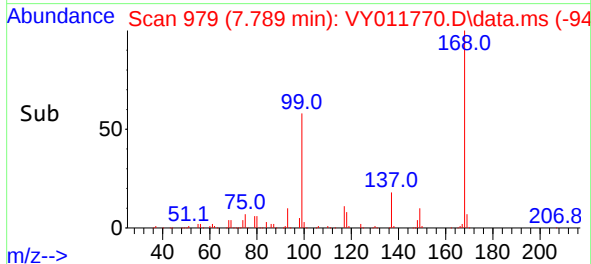
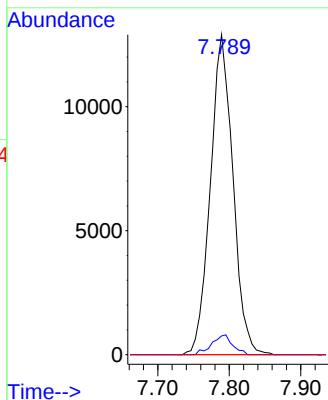
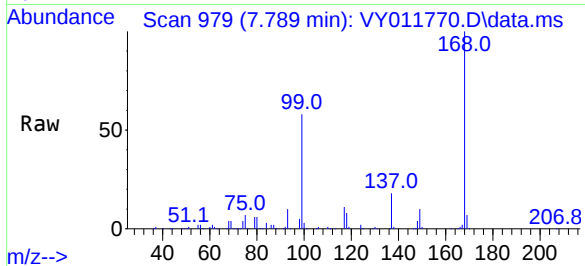




#38
Carbon Tetrachloride
Concen: 6.941 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011770.D
Acq: 12 Dec 2022 14:49

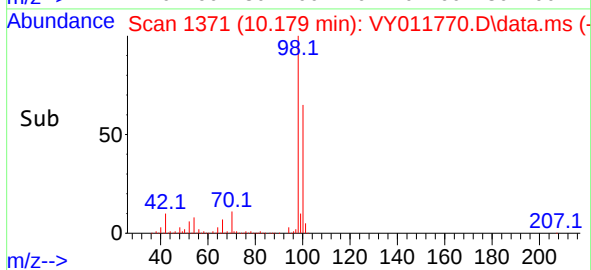
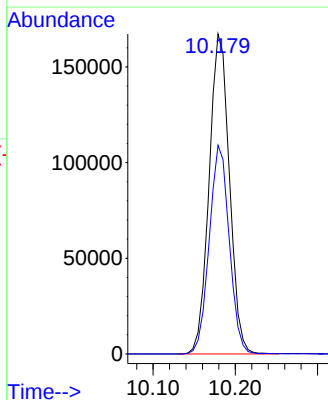
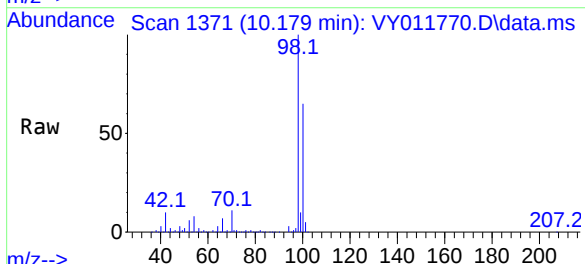
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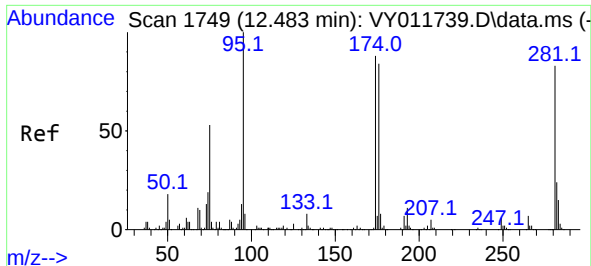
Tgt Ion:117 Resp: 28274
Ion Ratio Lower Upper
117 100
119 5.9 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 41.942 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011770.D
Acq: 12 Dec 2022 14:49

Tgt Ion: 98 Resp: 286323
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9

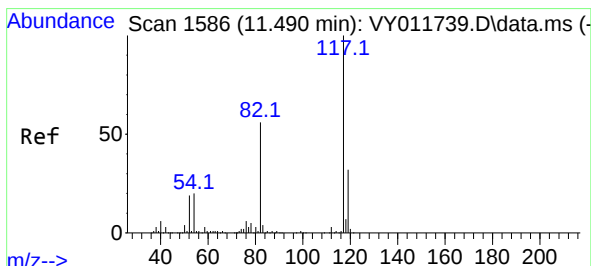
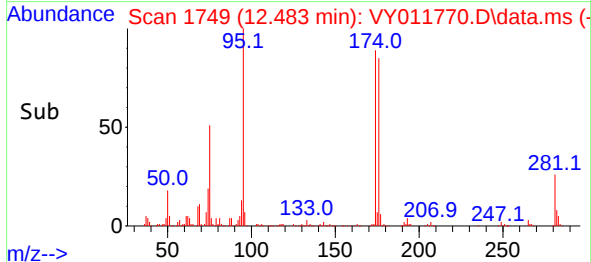
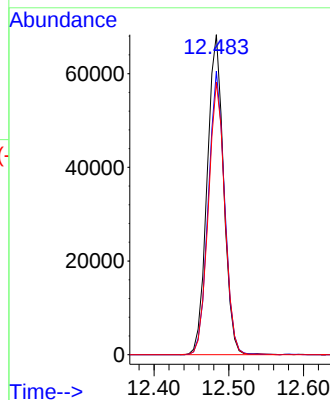
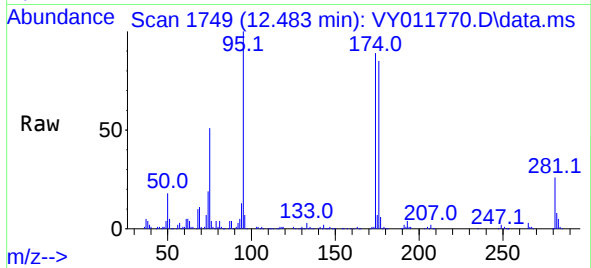




#62
4-Bromofluorobenzene
Concen: 38.334 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011770.D
Acq: 12 Dec 2022 14:49

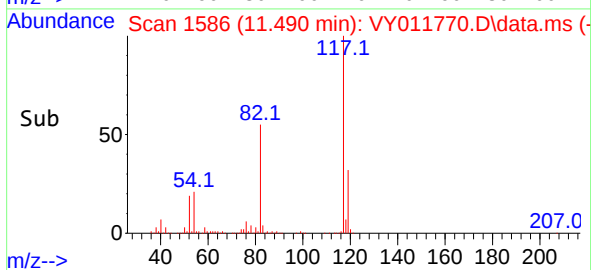
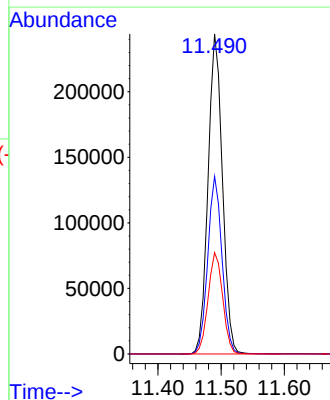
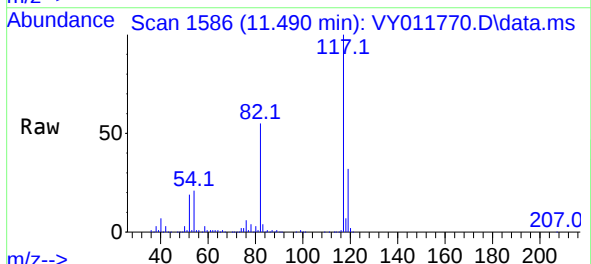
Instrument :
MSVOA_Y
ClientSampleId :
RBR200046-03

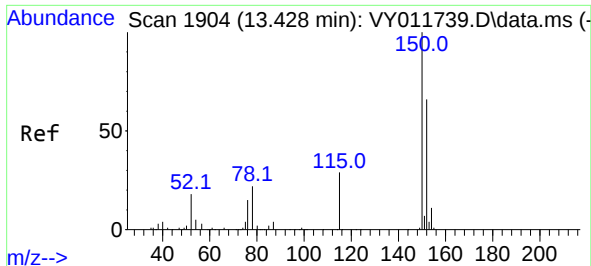
Tgt Ion: 95 Resp: 104391
Ion Ratio Lower Upper
95 100
174 87.3 0.0 172.0
176 84.8 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY011770.D
Acq: 12 Dec 2022 14:49

Tgt Ion: 117 Resp: 385876
Ion Ratio Lower Upper
117 100
82 55.5 44.8 67.2
119 31.6 25.4 38.2

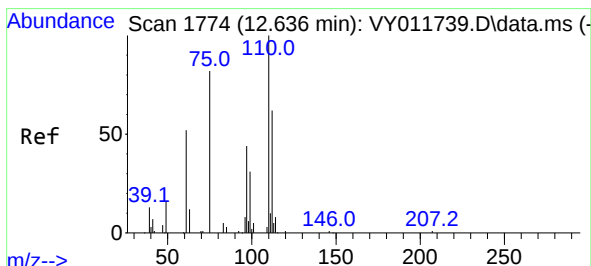
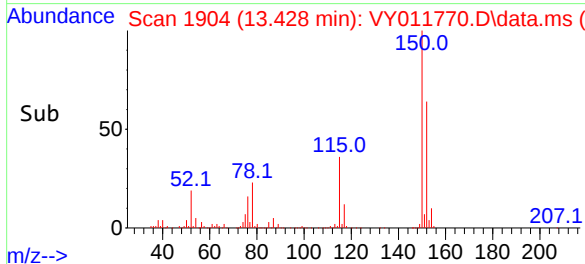
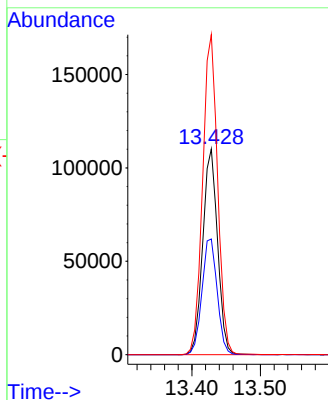
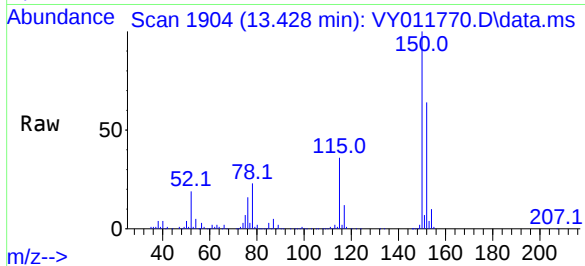




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011770.D
Acq: 12 Dec 2022 14:49

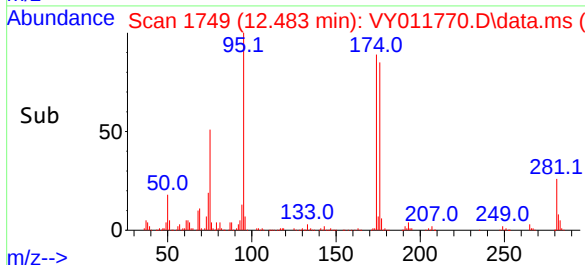
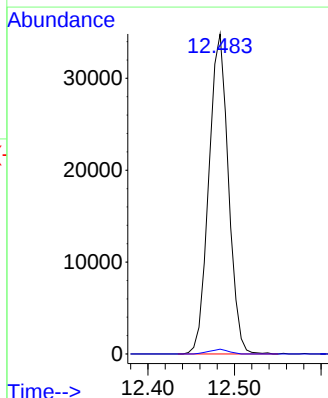
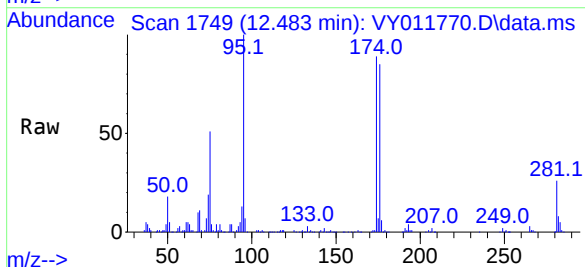
Instrument :
MSVOA_Y
ClientSampleId :
RBR200046-03

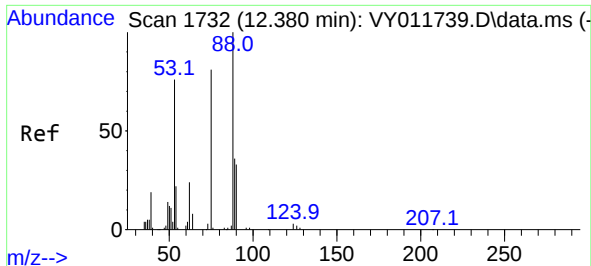
Tgt Ion:152 Resp: 165784
Ion Ratio Lower Upper
152 100
115 57.9 29.1 87.3
150 157.2 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 32.634 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY011770.D
Acq: 12 Dec 2022 14:49

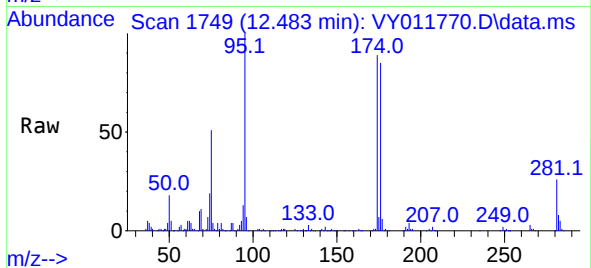
Tgt Ion: 75 Resp: 54737
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.053 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY011770.D
 Acq: 12 Dec 2022 14:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR200046-03



Tgt Ion: 75 Resp: 54737
 Ion Ratio Lower Upper
 75 100
 53 0.1 72.5 108.7#
 89 0.6 37.0 55.4#

