

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083122\
 Data File : VY010252.D
 Acq On : 31 Aug 2022 17:51
 Operator : KP/MD
 Sample : N4424-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-219

Quant Time: Aug 31 23:42:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y083022S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 02:23:17 2022
 Response via : Initial Calibration

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

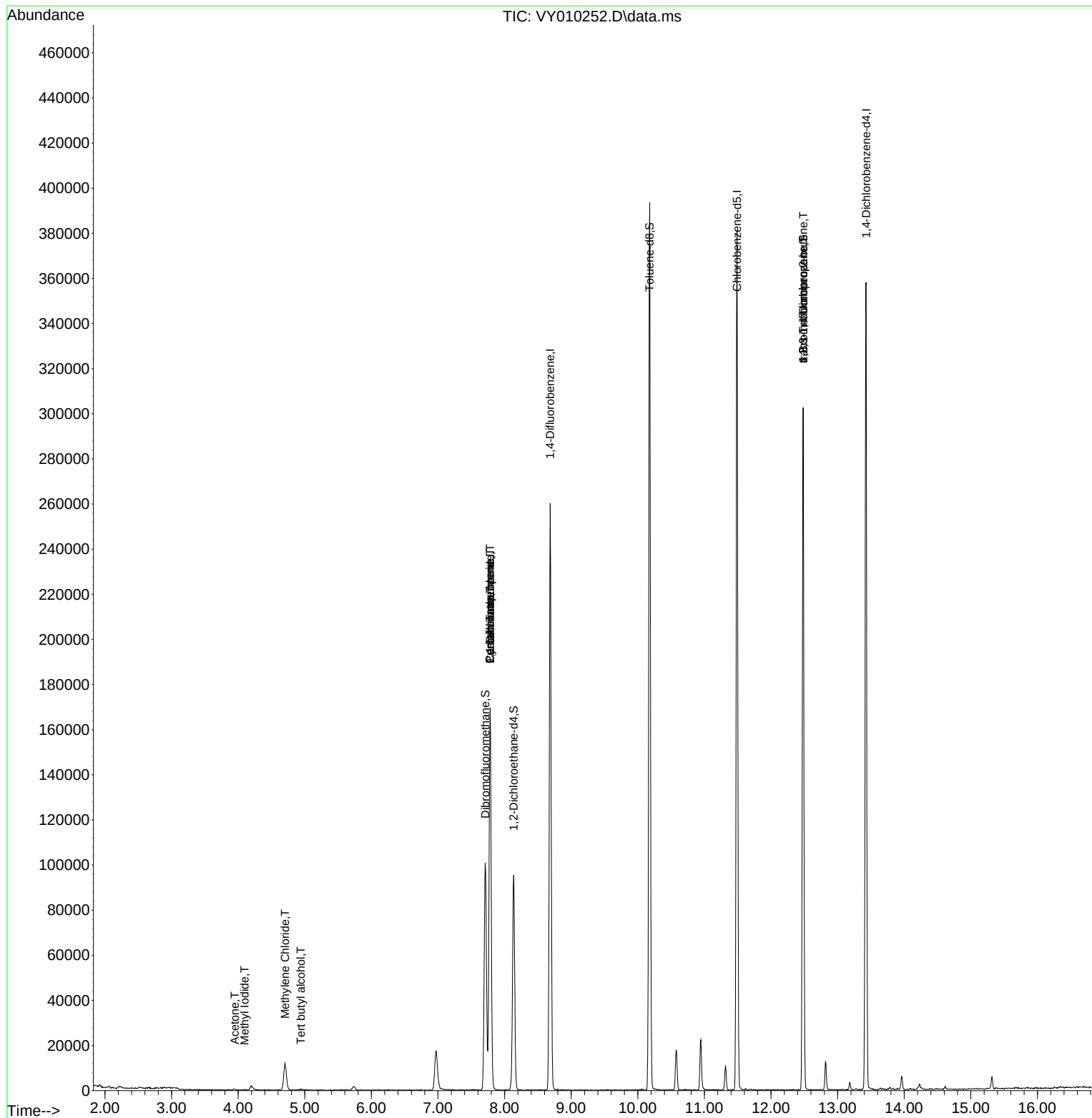
Internal Standards						
1) Pentafluorobenzene	7.783	168	139263	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	227515	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	216240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	102835	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	72801	62.013	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.020%	
35) Dibromofluoromethane	7.709	113	72735	55.526	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.060%	
50) Toluene-d8	10.178	98	267017	54.845	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.680%	
62) 4-Bromofluorobenzene	12.483	95	86670	47.814	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 95.620%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.094	142	221	1.571	ug/l #	35
11) Tert butyl alcohol	4.942	59	504	4.296	ug/l #	77
16) Acetone	3.948	43	818	3.318	ug/l #	80
20) Methylene Chloride	4.704	84	9208	6.343	ug/l #	78
31) Cyclohexane	7.783	56	2200	1.050	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	9119	4.596	ug/l #	50
38) Carbon Tetrachloride	7.783	117	12925	5.677	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	42206	41.740	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	42206	87.082	ug/l #	7

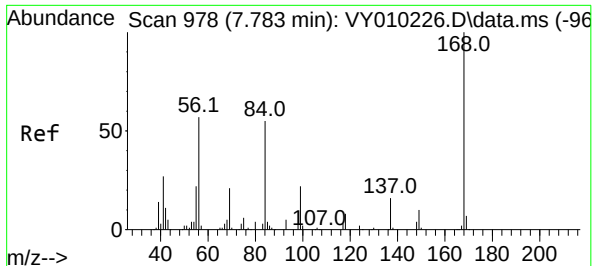
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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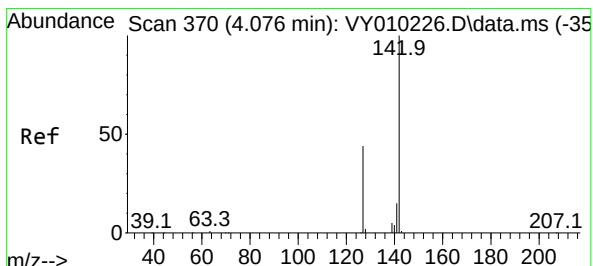
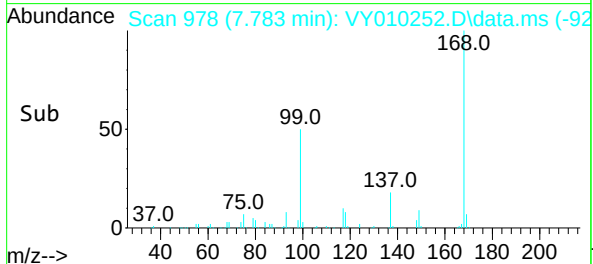
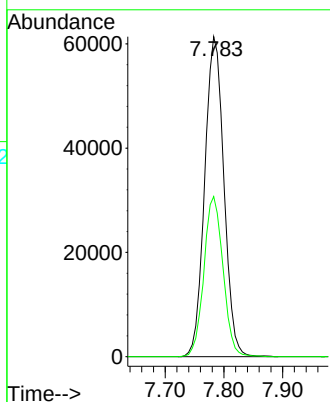
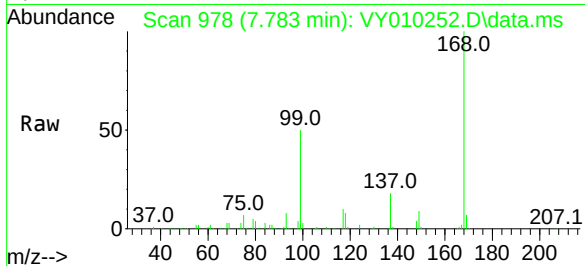




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010252.D
Acq: 31 Aug 2022 17:51

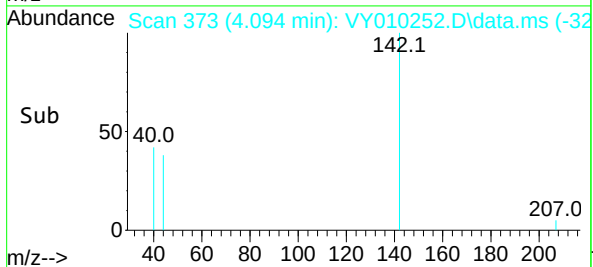
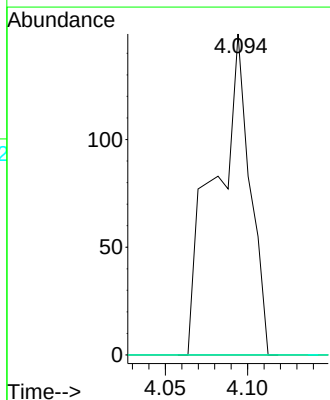
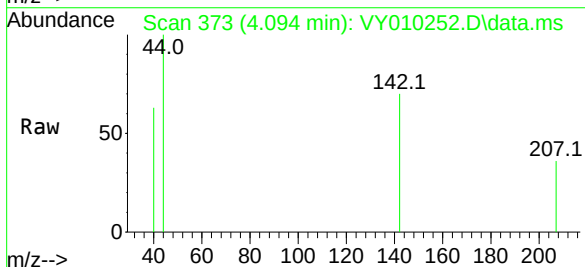
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-219

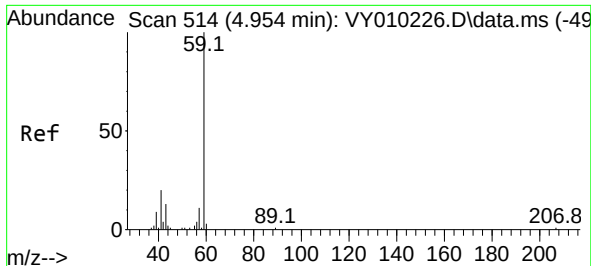
Tgt Ion:168 Resp: 139263
Ion Ratio Lower Upper
168 100
99 50.0 46.9 70.3



#10
Methyl Iodide
Concen: 1.571 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.018 min
Lab File: VY010252.D
Acq: 31 Aug 2022 17:51

Tgt Ion:142 Resp: 221
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#

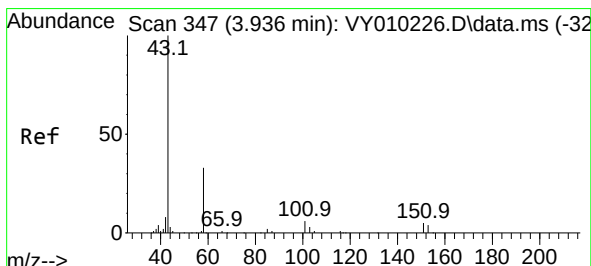
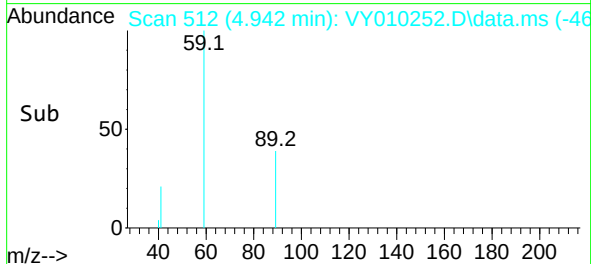
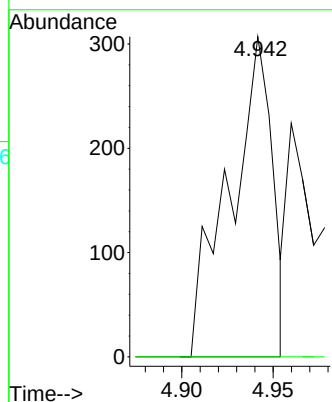
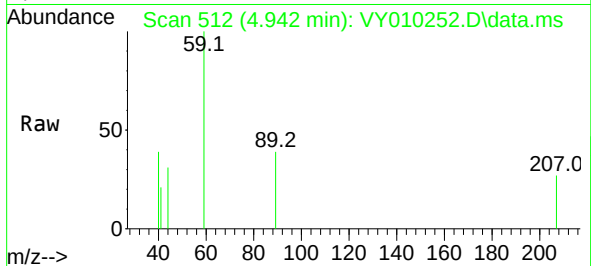




#11
Tert butyl alcohol
Concen: 4.296 ug/l
RT: 4.942 min Scan# 514
Delta R.T. -0.013 min
Lab File: VY010252.D
Acq: 31 Aug 2022 17:51

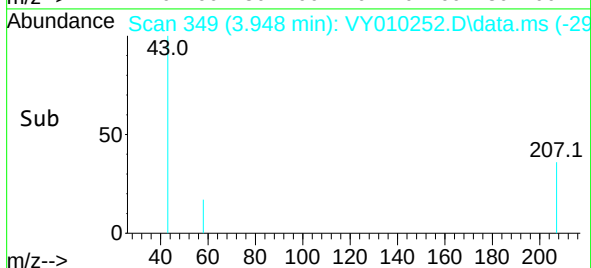
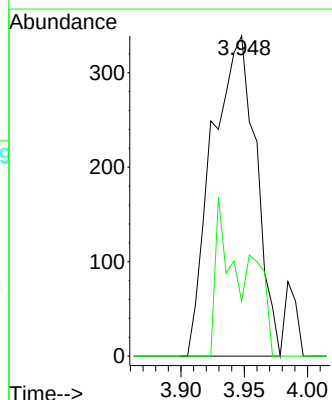
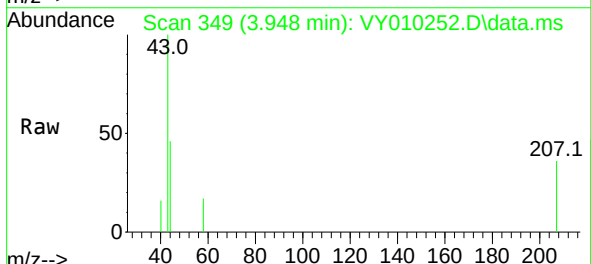
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-219

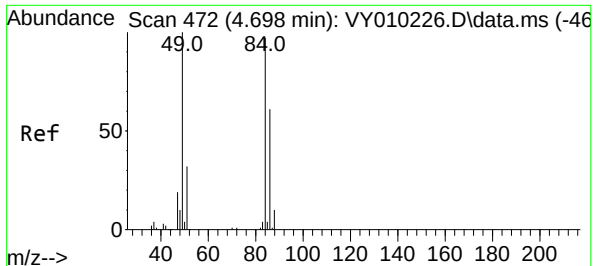
Tgt Ion: 59 Resp: 504
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 3.318 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.012 min
Lab File: VY010252.D
Acq: 31 Aug 2022 17:51

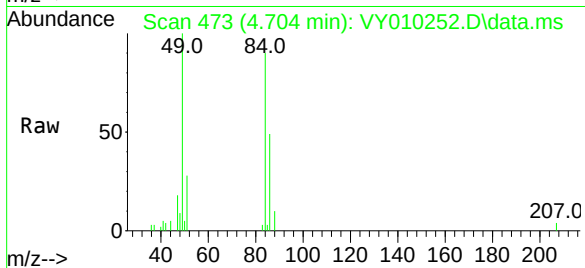
Tgt Ion: 43 Resp: 818
Ion Ratio Lower Upper
43 100
58 17.1 22.0 33.0#



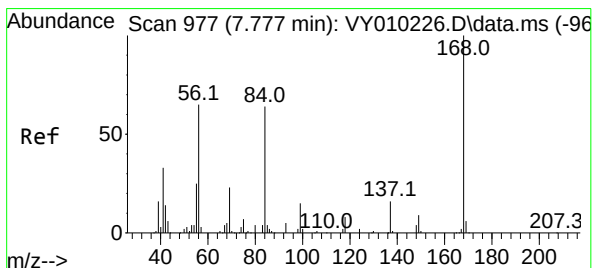
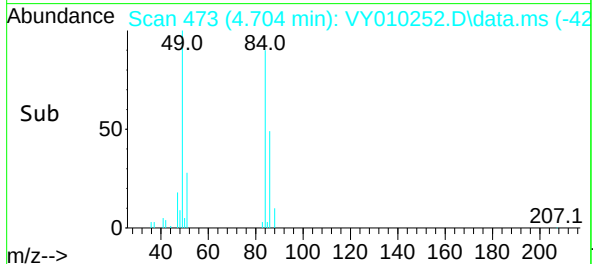
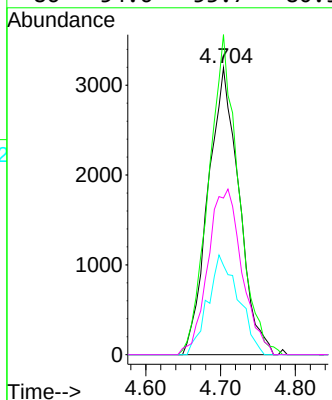


#20
Methylene Chloride
Concen: 6.343 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010252.D
Acq: 31 Aug 2022 17:51

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-219

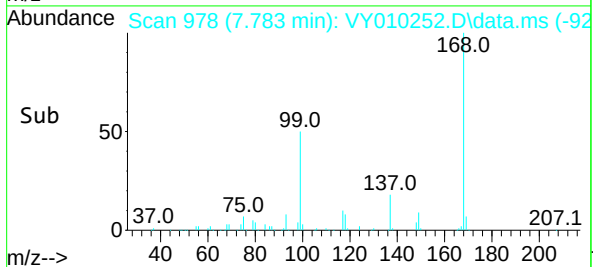
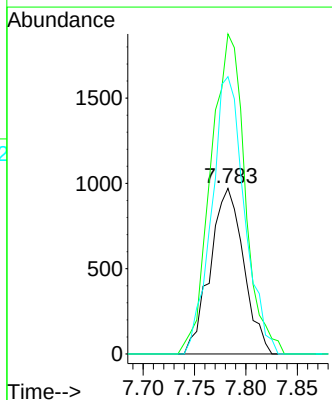
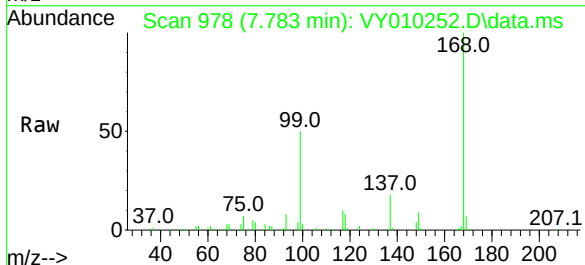


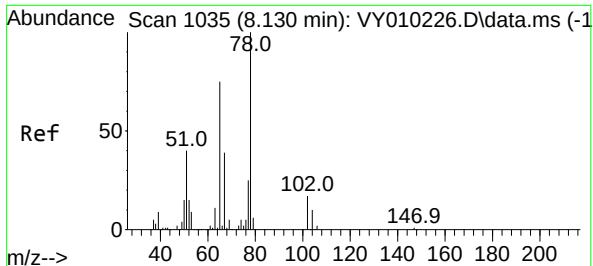
Tgt Ion:	84	Resp:	9208
Ion	Ratio	Lower	Upper
84	100		
49	111.6	114.4	171.6#
51	31.1	35.3	52.9#
86	54.6	53.7	80.5



#31
Cyclohexane
Concen: 1.050 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY010252.D
Acq: 31 Aug 2022 17:51

Tgt Ion:	56	Resp:	2200
Ion	Ratio	Lower	Upper
56	100		
69	193.2	26.7	40.1#
84	167.5	67.2	100.8#





#33

1,2-Dichloroethane-d4

Concen: 62.013 ug/l

RT: 8.136 min Scan# 1035

Delta R.T. 0.006 min

Lab File: VY010252.D

Acq: 31 Aug 2022 17:51

Instrument :

MSVOA_Y

ClientSampleId :

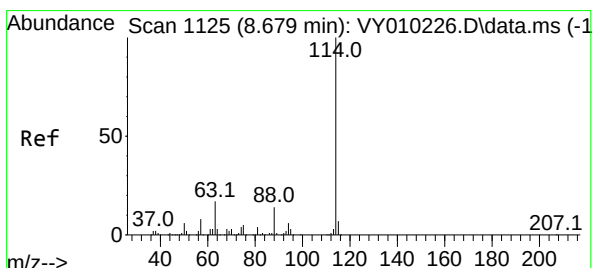
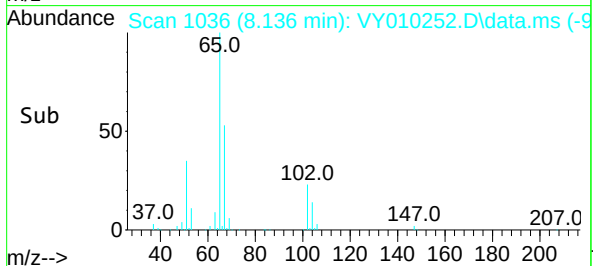
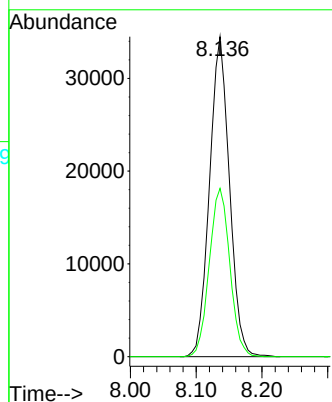
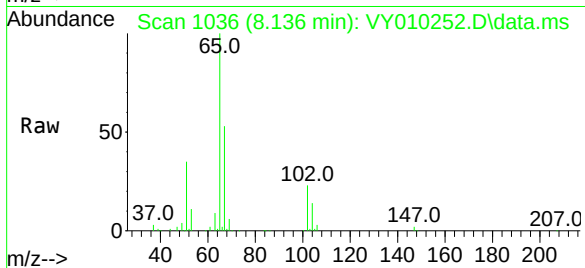
VNJ-219

Tgt Ion: 65 Resp: 72801

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. 0.006 min

Lab File: VY010252.D

Acq: 31 Aug 2022 17:51

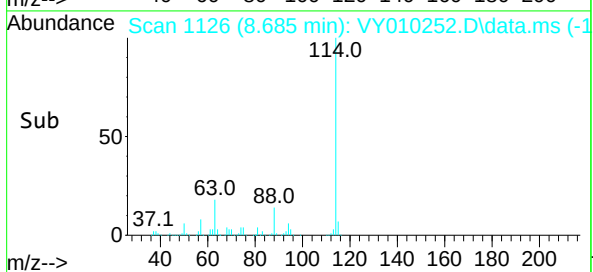
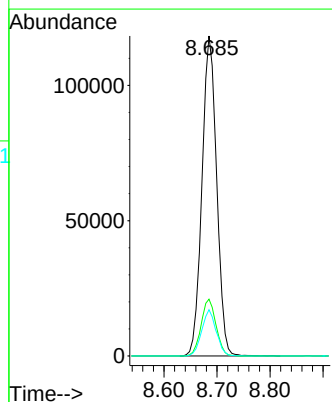
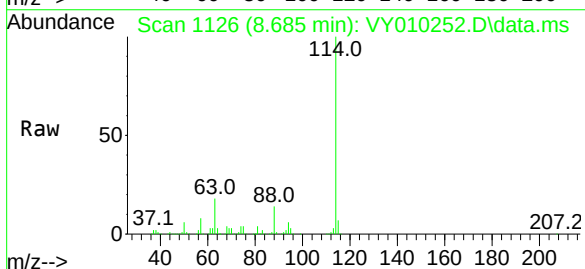
Tgt Ion: 114 Resp: 227515

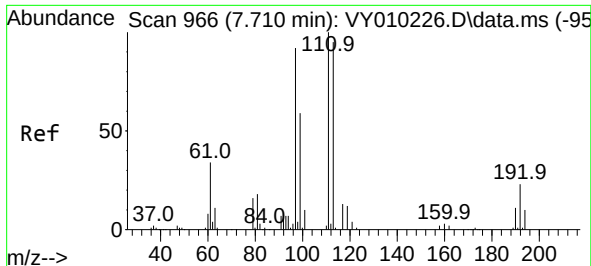
Ion Ratio Lower Upper

114 100

63 17.7 0.0 43.2

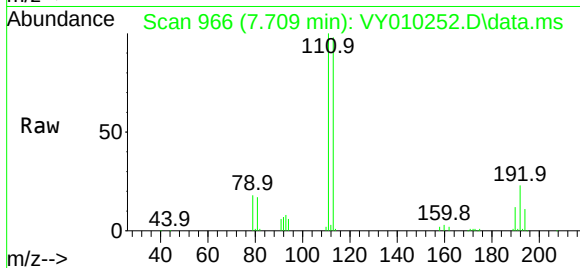
88 14.5 0.0 31.8



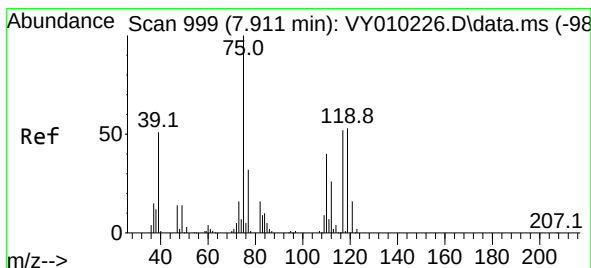
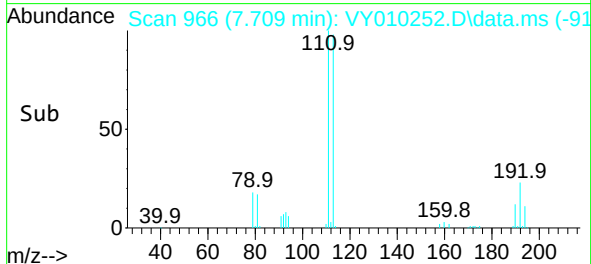
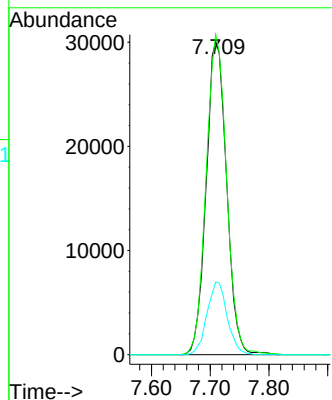


#35
Dibromofluoromethane
Concen: 55.526 ug/l
RT: 7.709 min Scan# 911
Delta R.T. -0.001 min
Lab File: VY010252.D
Acq: 31 Aug 2022 17:51

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-219

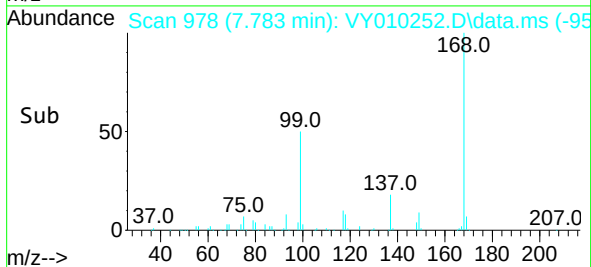
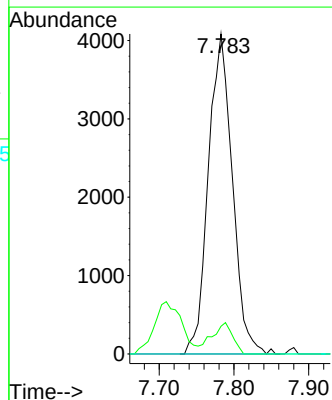
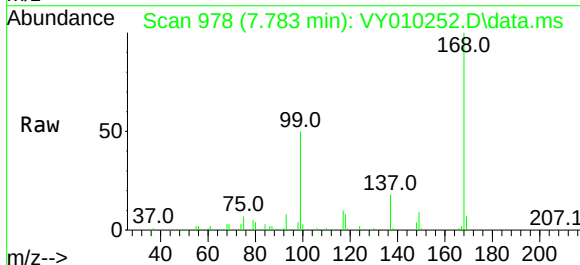


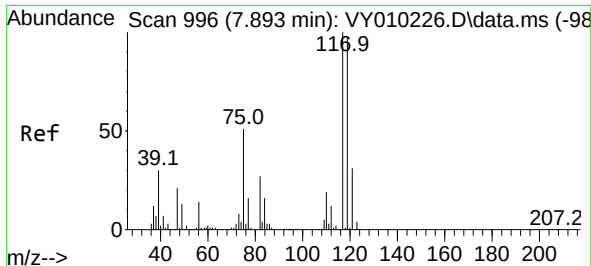
Tgt Ion:113 Resp: 72735
Ion Ratio Lower Upper
113 100
111 102.5 82.6 124.0
192 23.0 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.596 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010252.D
Acq: 31 Aug 2022 17:51

Tgt Ion: 75 Resp: 9119
Ion Ratio Lower Upper
75 100
110 8.5 17.1 51.2#
77 0.0 24.4 36.6#

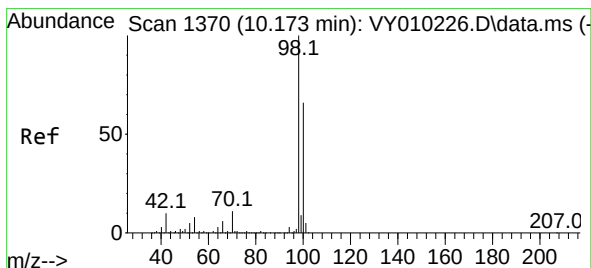
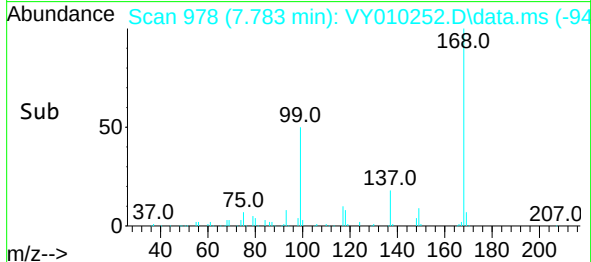
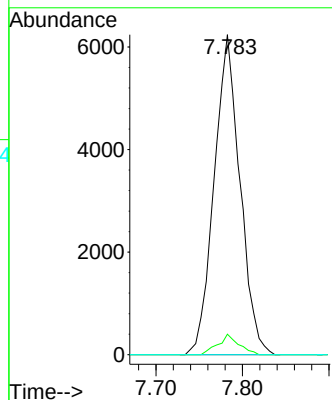
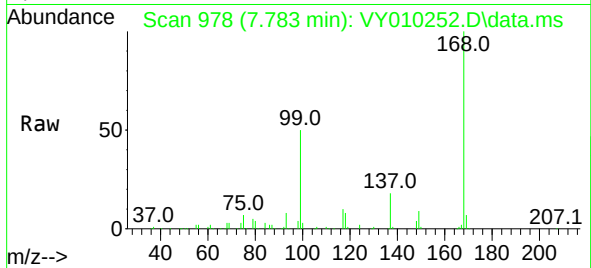




#38
Carbon Tetrachloride
Concen: 5.677 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010252.D
Acq: 31 Aug 2022 17:51

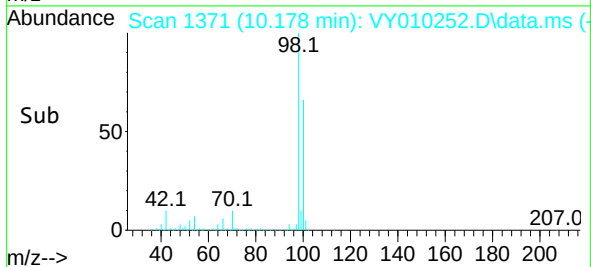
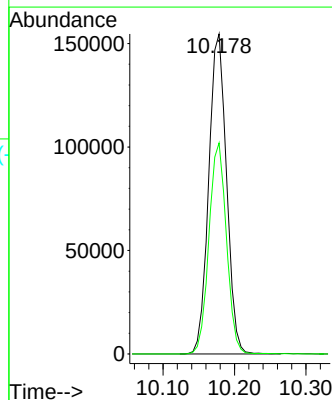
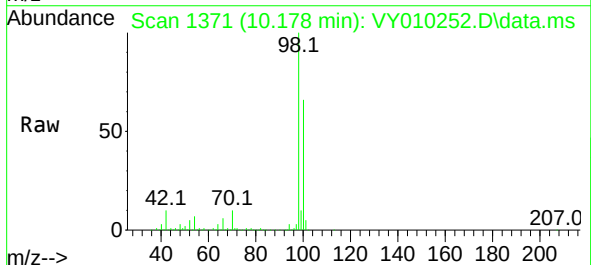
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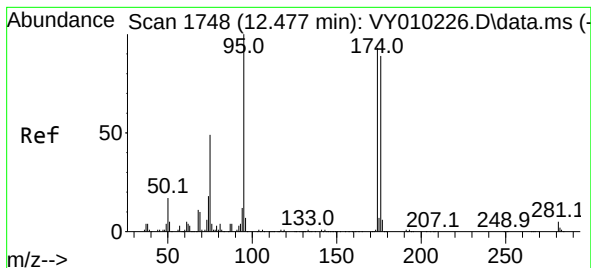
Tgt Ion:117 Resp: 12925
Ion Ratio Lower Upper
117 100
119 6.4 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.845 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. 0.005 min
Lab File: VY010252.D
Acq: 31 Aug 2022 17:51

Tgt Ion: 98 Resp: 267017
Ion Ratio Lower Upper
98 100
100 65.0 50.2 75.2

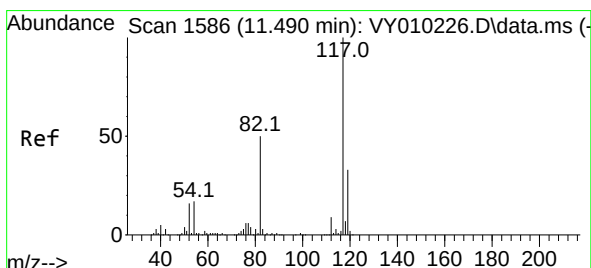
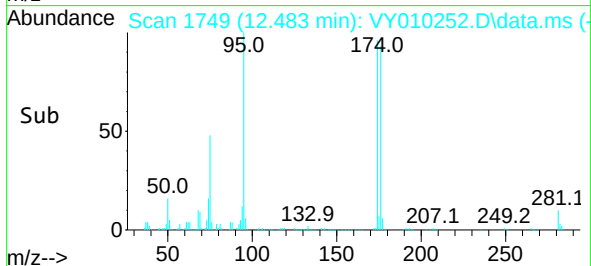
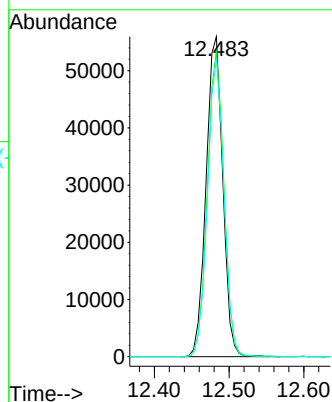
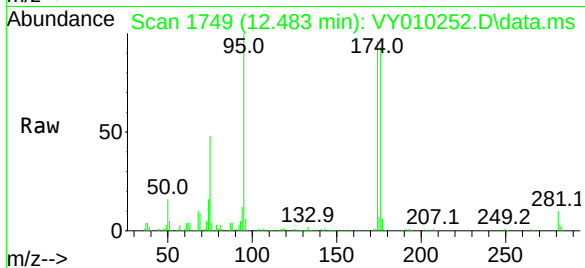




#62
4-Bromofluorobenzene
Concen: 47.814 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY010252.D
Acq: 31 Aug 2022 17:51

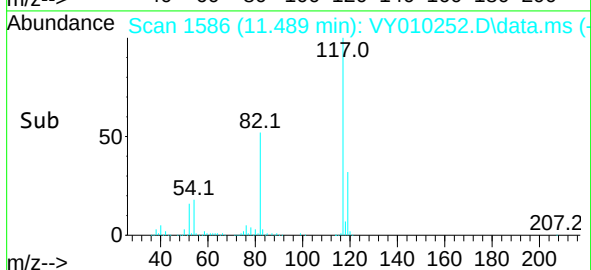
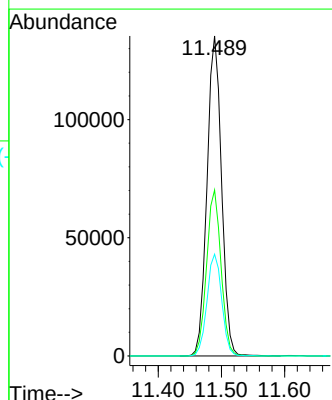
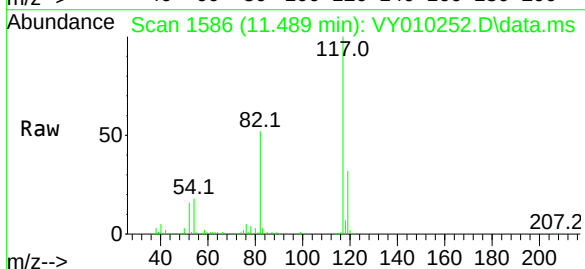
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-219

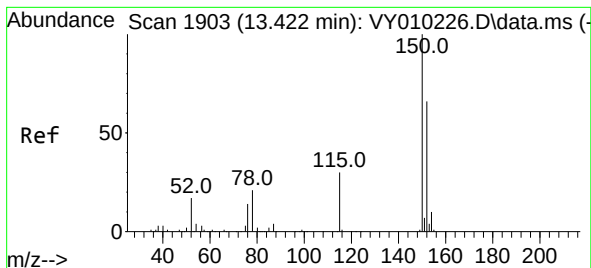
Tgt Ion: 95 Resp: 86670
Ion Ratio Lower Upper
95 100
174 95.0 0.0 177.0
176 91.5 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY010252.D
Acq: 31 Aug 2022 17:51

Tgt Ion: 117 Resp: 216240
Ion Ratio Lower Upper
117 100
82 51.8 43.0 64.4
119 31.8 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY010252.D

Acq: 31 Aug 2022 17:51

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-219

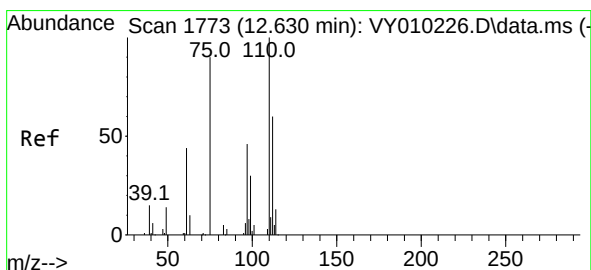
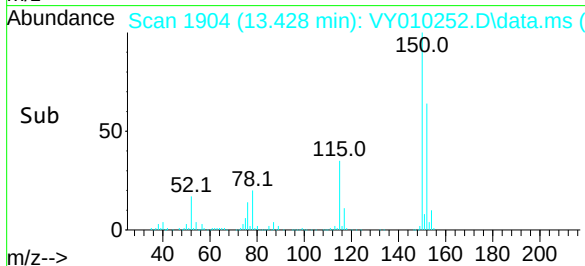
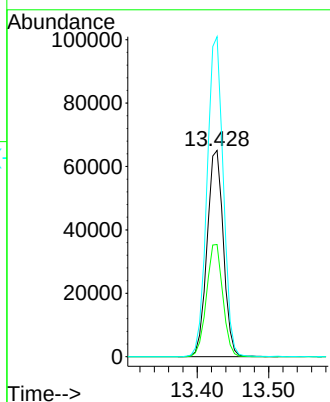
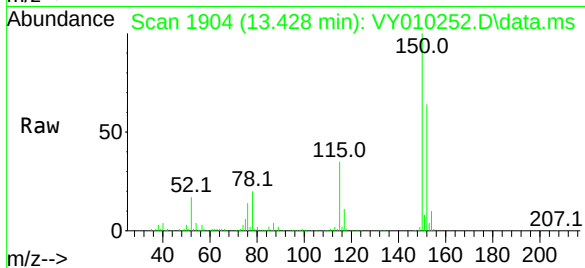
Tgt Ion:152 Resp: 102835

Ion Ratio Lower Upper

152 100

115 54.5 28.2 84.7

150 154.4 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 41.740 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY010252.D

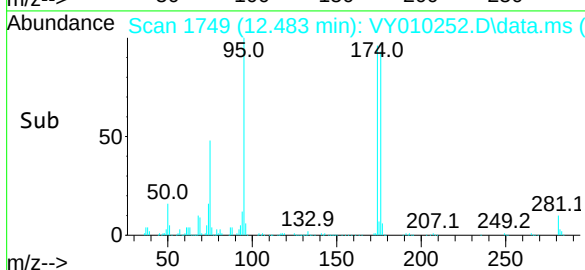
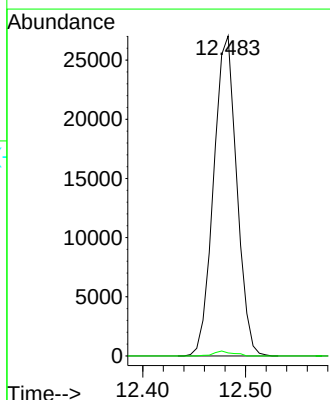
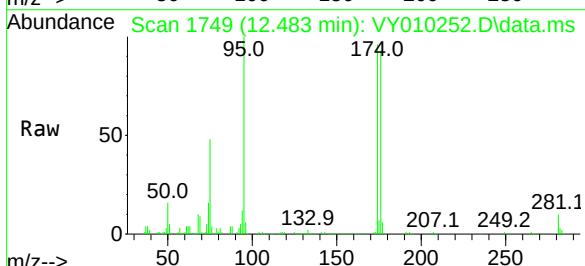
Acq: 31 Aug 2022 17:51

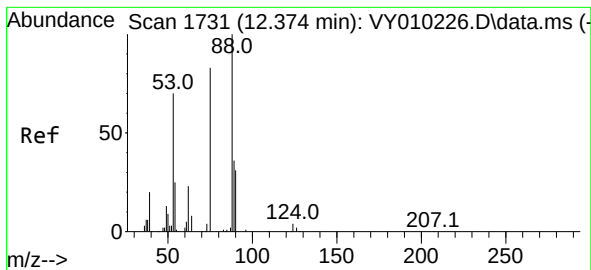
Tgt Ion: 75 Resp: 42206

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.082 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY010252.D
 Acq: 31 Aug 2022 17:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-219

Tgt Ion: 75 Resp: 42206
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.1 37.0 55.4#

