

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100121\
 Data File : VY006263.D
 Acq On : 01 Oct 2021 16:06
 Operator : SY/MD
 Sample : M4035-05
 Misc : 4.78G/5ML/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 02 02:13:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y092821S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 17:44:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	3572	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	6073	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	5311	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	1890	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	2733	71.487	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	142.980%
35) Dibromofluoromethane	7.728	113	820	25.273	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	50.540%#
50) Toluene-d8	10.185	98	7227	53.222	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.440%
62) 4-Bromofluorobenzene	12.489	95	1755	38.045	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	76.080%

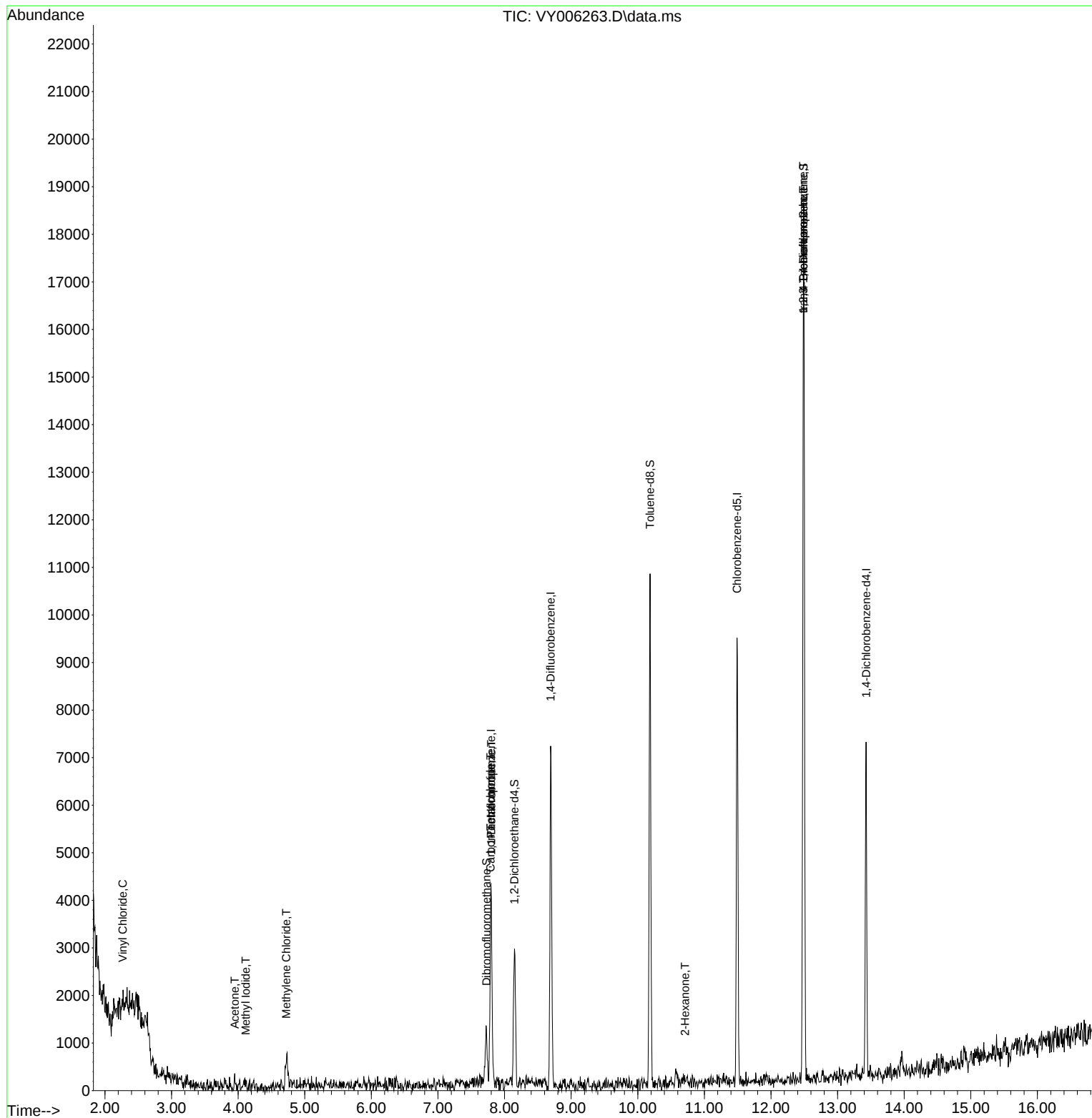
Target Compounds					Qvalue	
4) Vinyl Chloride	2.266	62	300	6.414	ug/l #	43
10) Methyl Iodide	4.113	142	166	4.632	ug/l #	68
16) Acetone	3.948	43	72	6.743	ug/l #	47
20) Methylene Chloride	4.723	84	498	10.578	ug/l #	55
36) 1,1-Dichloropropene	7.801	75	249	4.121	ug/l #	42
38) Carbon Tetrachloride	7.789	117	309	4.843	ug/l #	11
59) 2-Hexanone	10.709	43	27	1.081	ug/l #	28
76) 1,2,3-Trichloropropane	12.483	75	1227	66.794	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	1227	131.260	ug/l #	7

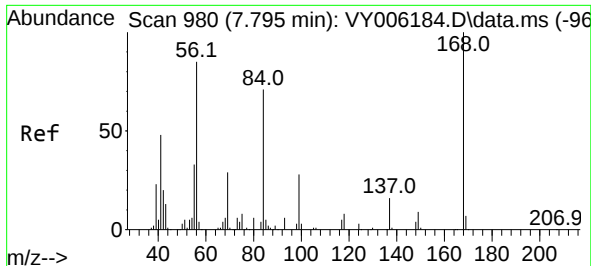
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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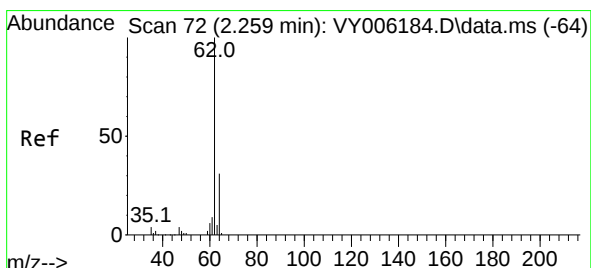
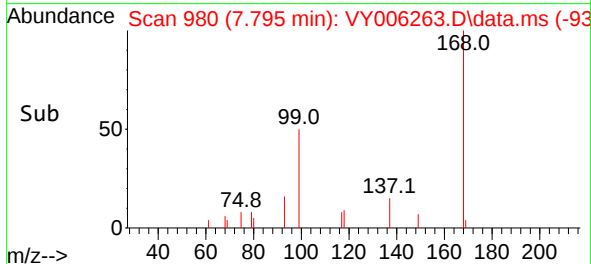
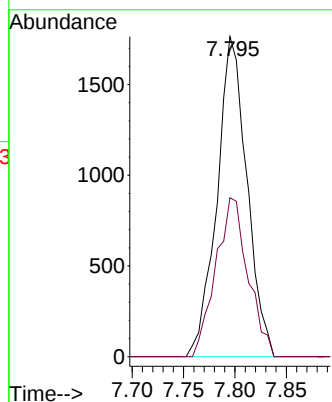
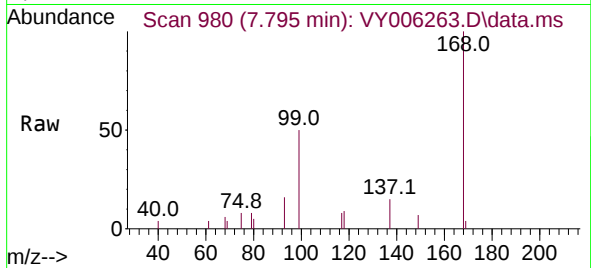




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY006263.D
Acq: 01 Oct 2021 16:06

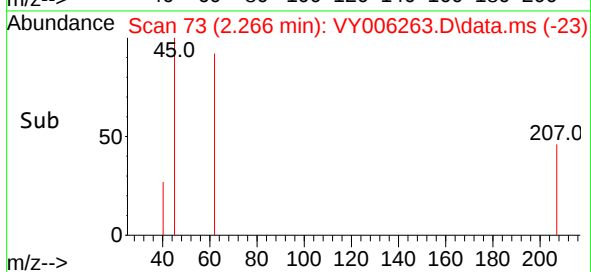
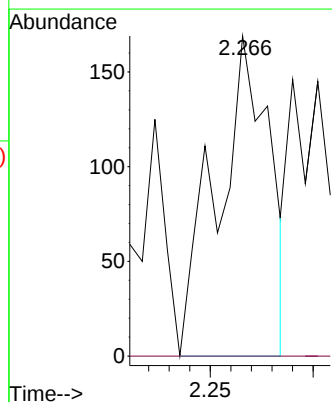
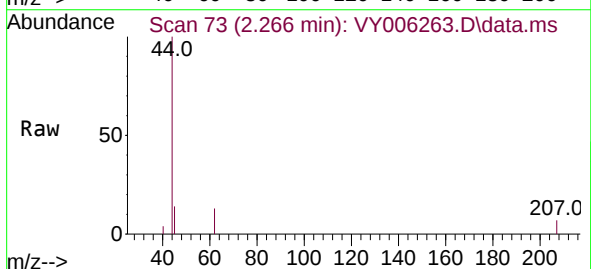
Instrument :
MSVOA_Y
ClientSampled :

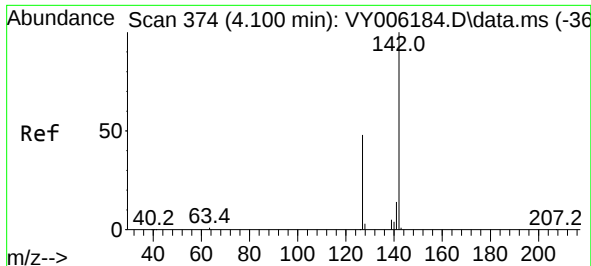
Tgt Ion:168 Resp: 3572
Ion Ratio Lower Upper
168 100
99 49.7 46.9 70.3



#4
Vinyl Chloride
Concen: 6.414 ug/l
RT: 2.266 min Scan# 73
Delta R.T. 0.007 min
Lab File: VY006263.D
Acq: 01 Oct 2021 16:06

Tgt Ion: 62 Resp: 300
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

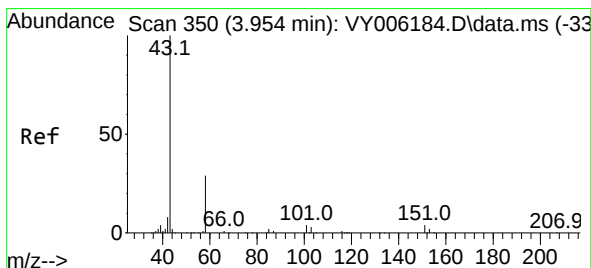
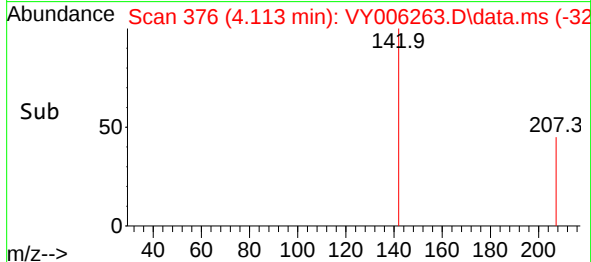
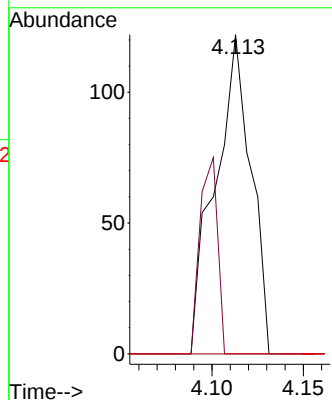
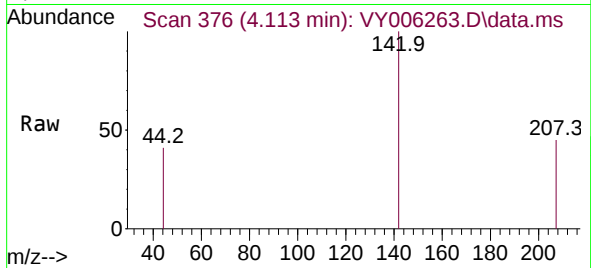




#10
Methyl Iodide
Concen: 4.632 ug/l
RT: 4.113 min Scan# 376
Delta R.T. 0.013 min
Lab File: VY006263.D
Acq: 01 Oct 2021 16:06

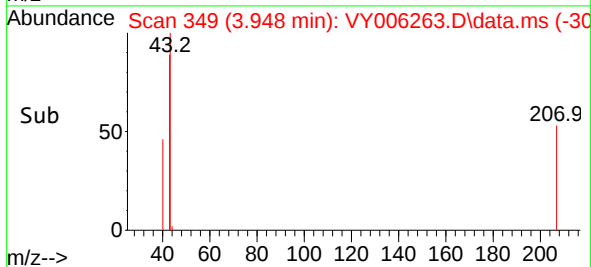
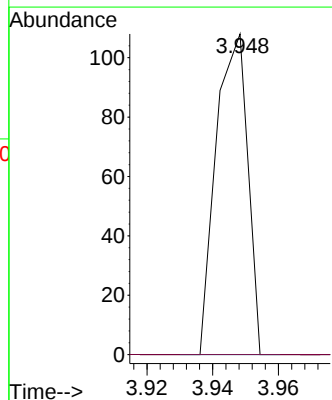
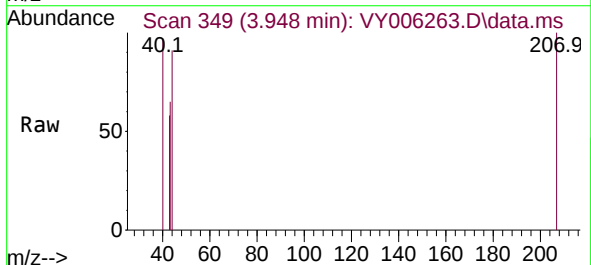
Instrument :
MSVOA_Y
ClientSampled :

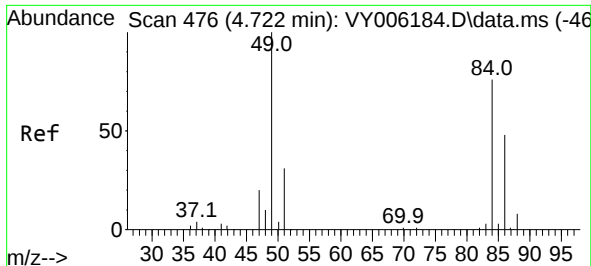
Tgt Ion:142 Resp: 166
Ion Ratio Lower Upper
142 100
127 30.1 41.5 62.3#
141 0.0 11.9 17.9#



#16
Acetone
Concen: 6.743 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY006263.D
Acq: 01 Oct 2021 16:06

Tgt Ion: 43 Resp: 72
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#





#20

Methylene Chloride

Concen: 10.578 ug/l

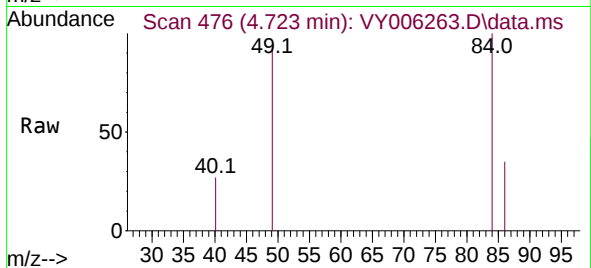
RT: 4.723 min Scan# 476

Delta R.T. 0.001 min

Lab File: VY006263.D

Acq: 01 Oct 2021 16:06

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 498

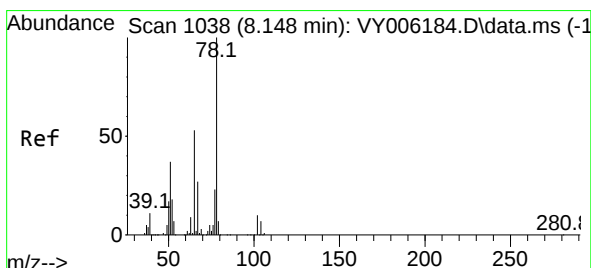
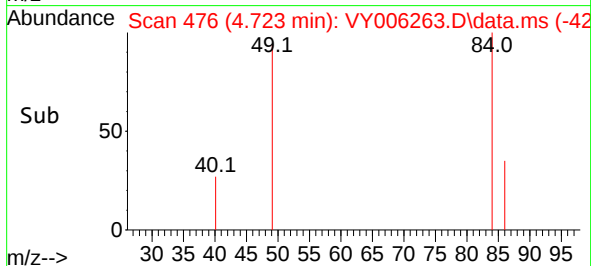
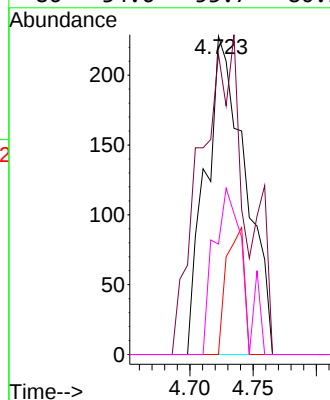
Ion Ratio Lower Upper

84 100

49 94.3 114.4 171.6#

51 0.0 35.3 52.9#

86 34.6 53.7 80.5#



#33

1,2-Dichloroethane-d4

Concen: 71.487 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VY006263.D

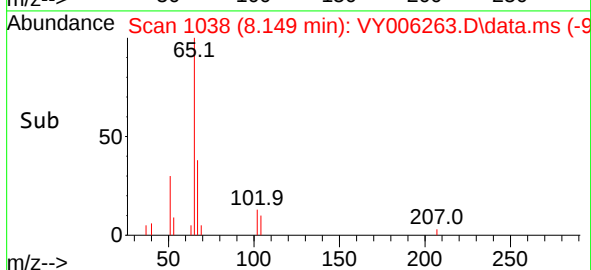
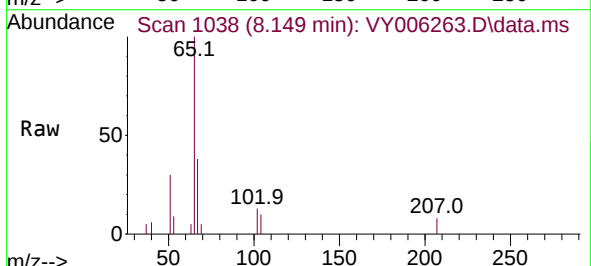
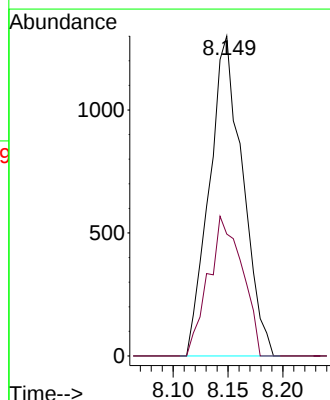
Acq: 01 Oct 2021 16:06

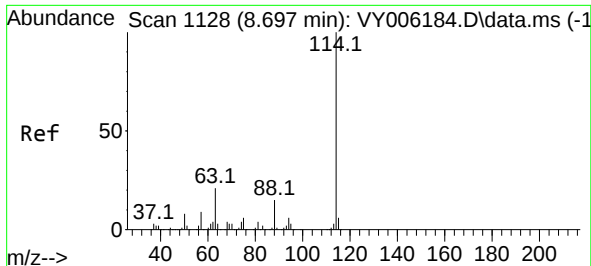
Tgt Ion: 65 Resp: 2733

Ion Ratio Lower Upper

65 100

67 44.5 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

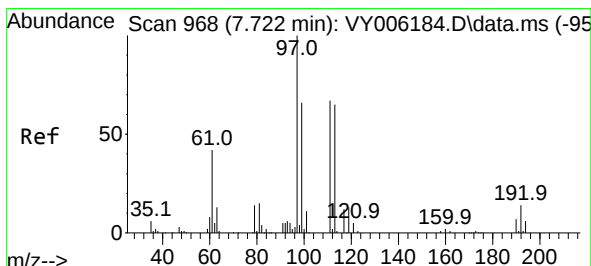
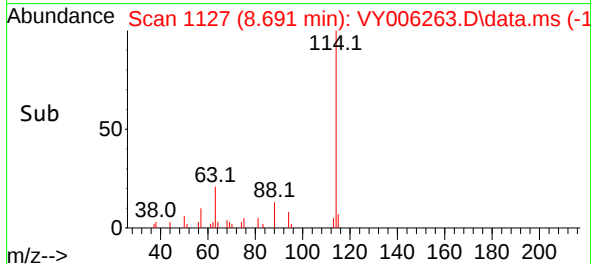
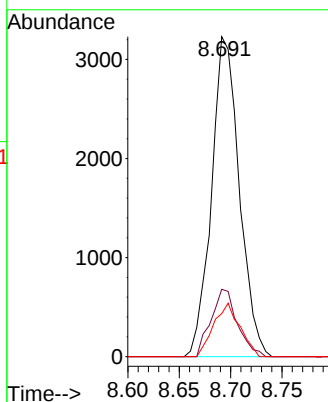
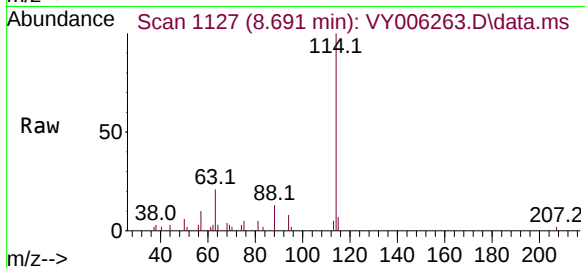
Delta R.T. -0.006 min

Lab File: VY006263.D

Acq: 01 Oct 2021 16:06

Tgt Ion:	114	Resp:	6073
Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	43.2
88	13.5	0.0	31.8

Instrument :
MSVOA_Y
ClientSampled :



#35

Dibromofluoromethane

Concen: 25.273 ug/l

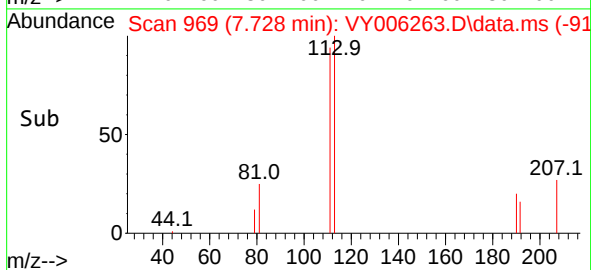
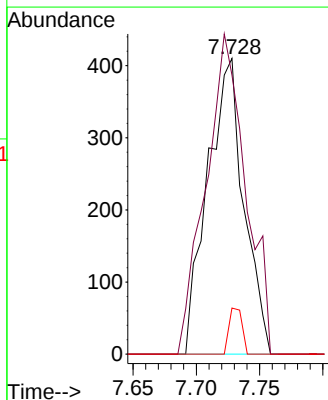
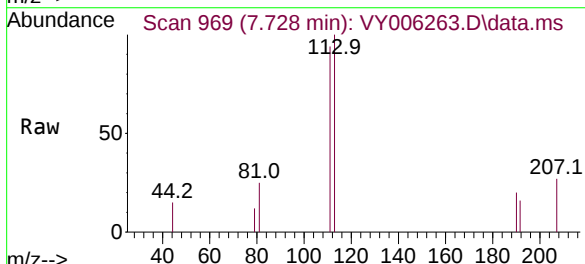
RT: 7.728 min Scan# 969

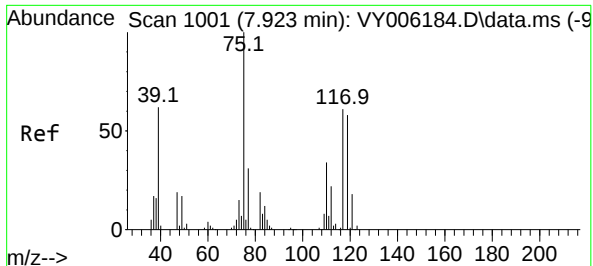
Delta R.T. 0.006 min

Lab File: VY006263.D

Acq: 01 Oct 2021 16:06

Tgt Ion:	113	Resp:	820
Ion	Ratio	Lower	Upper
113	100		
111	118.5	82.6	124.0
192	5.6	17.6	26.4#





#36

1,1-Dichloropropene

Concen: 4.121 ug/l

RT: 7.801 min Scan# 981

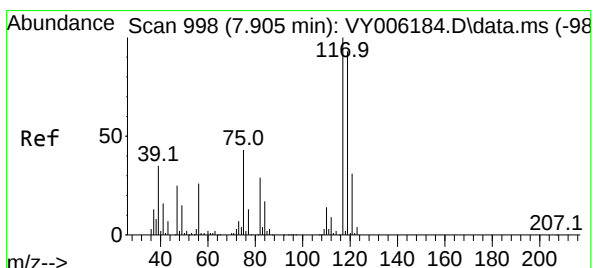
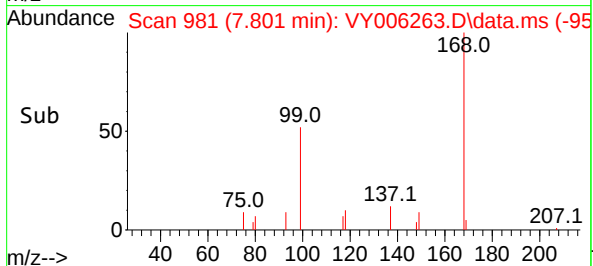
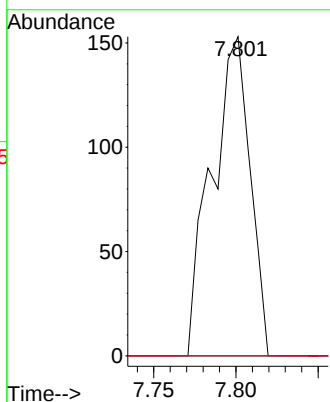
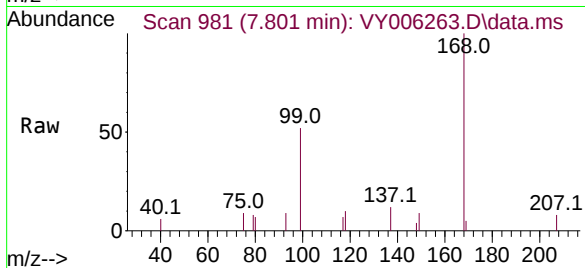
Delta R.T. -0.122 min

Lab File: VY006263.D

Acq: 01 Oct 2021 16:06

Tgt Ion:	75	Resp:	249
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.1	51.2#
77	0.0	24.4	36.6#

Instrument :
MSVOA_Y
ClientSampled :



#38

Carbon Tetrachloride

Concen: 4.843 ug/l

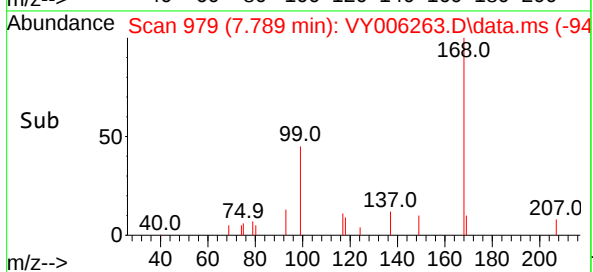
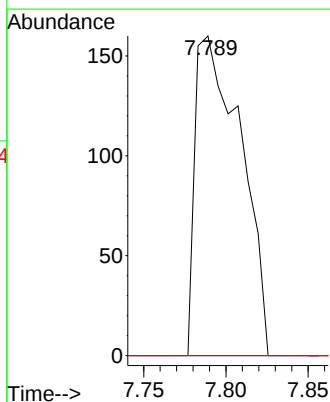
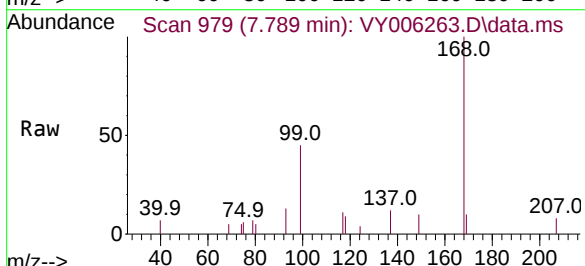
RT: 7.789 min Scan# 979

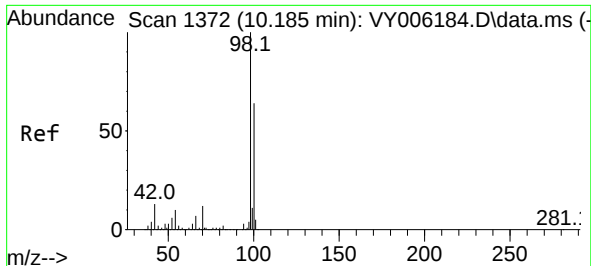
Delta R.T. -0.116 min

Lab File: VY006263.D

Acq: 01 Oct 2021 16:06

Tgt Ion:	117	Resp:	309
Ion	Ratio	Lower	Upper
117	100		
119	0.0	77.9	116.9#
121	0.0	24.8	37.2#

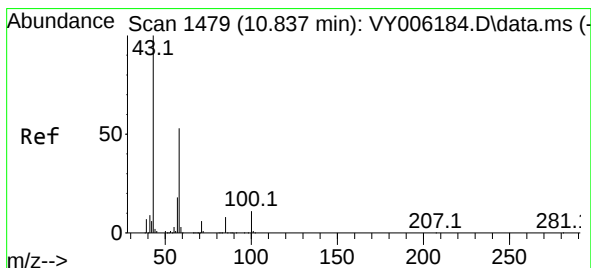
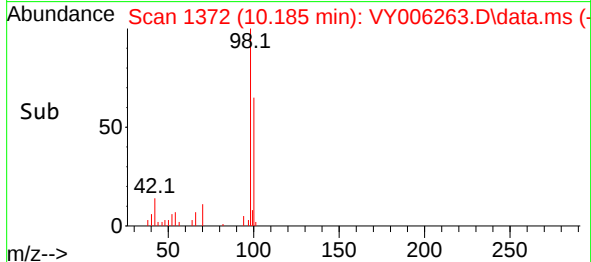
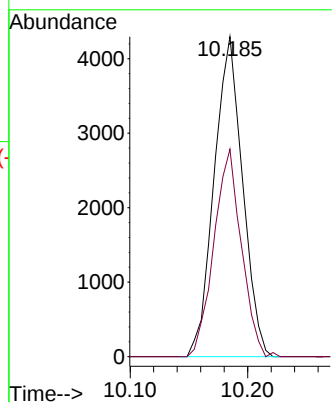
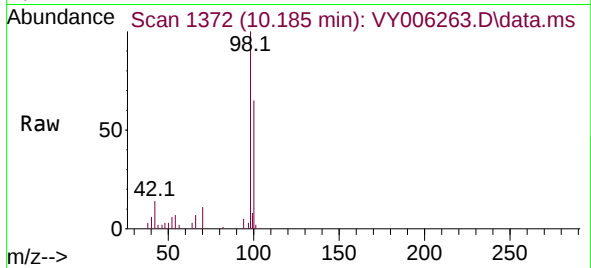




#50
Toluene-d8
Concen: 53.222 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY006263.D
Acq: 01 Oct 2021 16:06

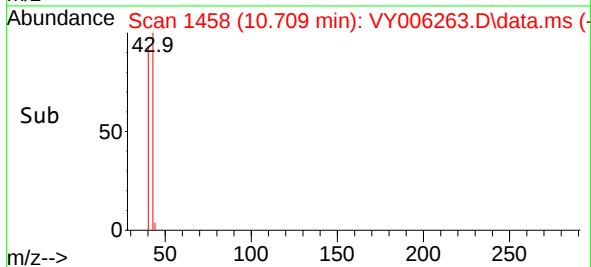
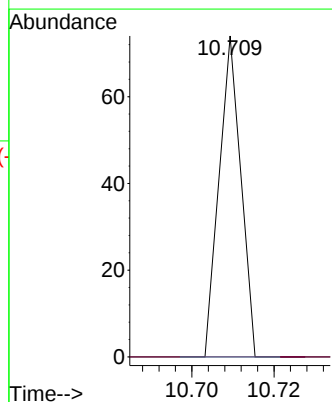
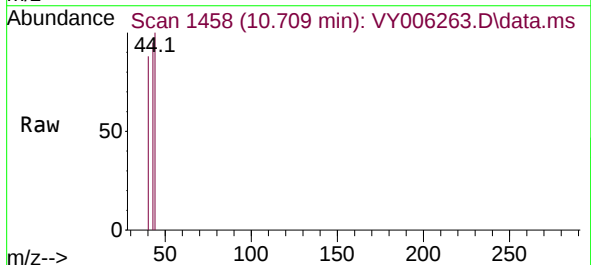
Instrument :
MSVOA_Y
ClientSampled :

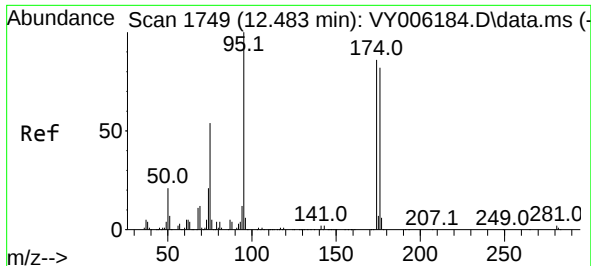
Tgt Ion: 98 Resp: 7227
Ion Ratio Lower Upper
98 100
100 62.7 50.2 75.2



#59
2-Hexanone
Concen: 1.081 ug/l
RT: 10.709 min Scan# 1458
Delta R.T. -0.128 min
Lab File: VY006263.D
Acq: 01 Oct 2021 16:06

Tgt Ion: 43 Resp: 27
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#

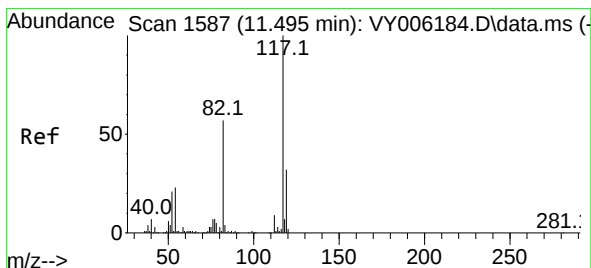
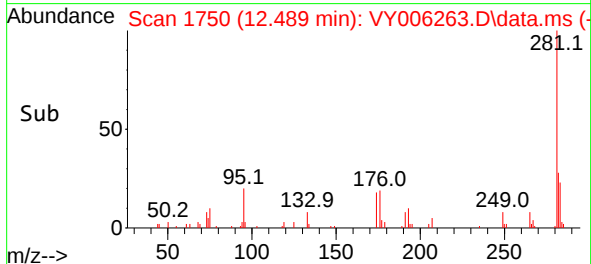
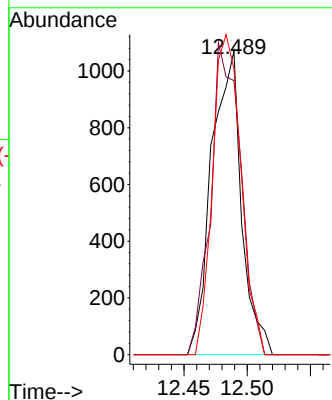
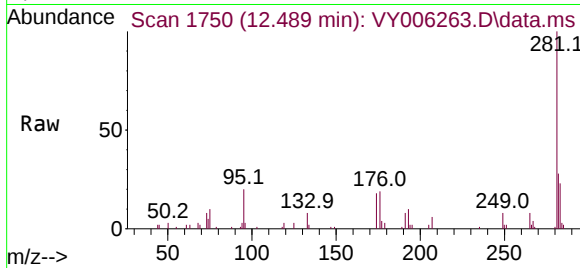




#62
4-Bromofluorobenzene
Concen: 38.045 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY006263.D
Acq: 01 Oct 2021 16:06

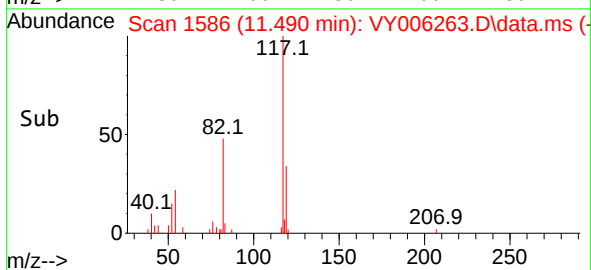
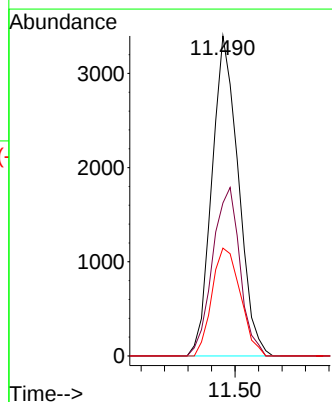
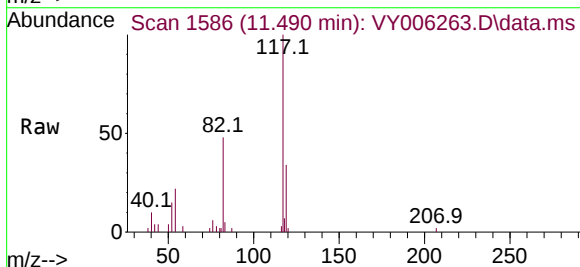
Instrument :
MSVOA_Y
ClientSampleId :

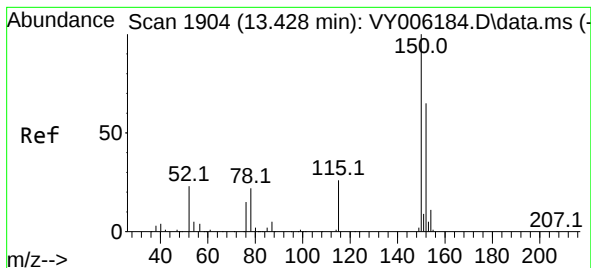
Tgt Ion: 95 Resp: 1755
Ion Ratio Lower Upper
95 100
174 102.9 0.0 177.0
176 100.6 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY006263.D
Acq: 01 Oct 2021 16:06

Tgt Ion: 117 Resp: 5311
Ion Ratio Lower Upper
117 100
82 47.8 43.0 64.4
119 33.7 25.4 38.0

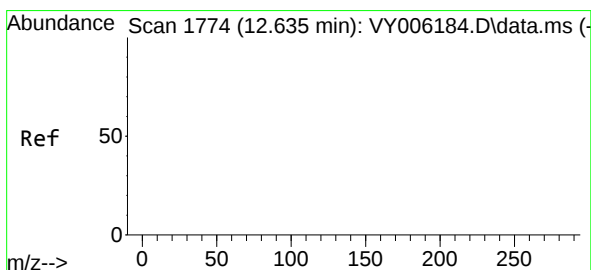
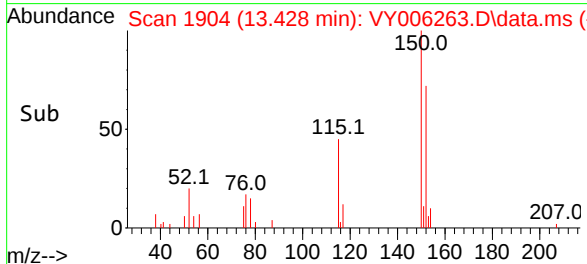
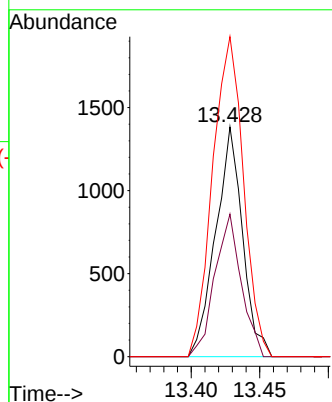
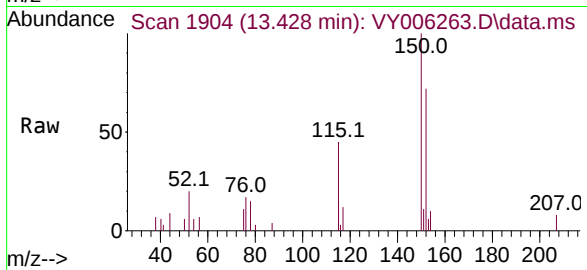




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY006263.D
 Acq: 01 Oct 2021 16:06

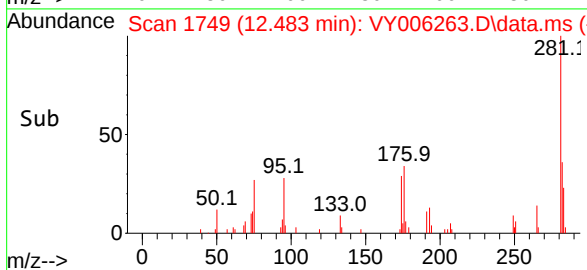
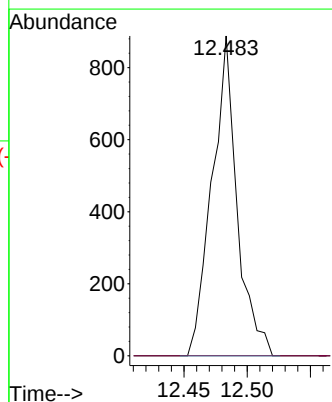
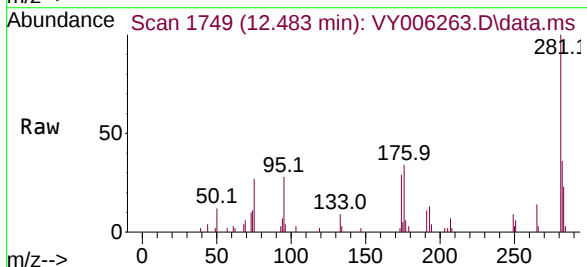
Instrument :
 MSVOA_Y
 ClientSampleId :

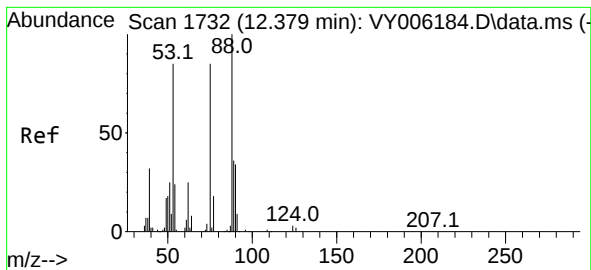
Tgt Ion:152 Resp: 1890
 Ion Ratio Lower Upper
 152 100
 115 61.0 28.2 84.7
 150 159.1 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 66.794 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY006263.D
 Acq: 01 Oct 2021 16:06

Tgt Ion: 75 Resp: 1227
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#81

trans-1,4-Dichloro-2-butene

Concen: 131.260 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.104 min

Lab File: VY006263.D

Acq: 01 Oct 2021 16:06

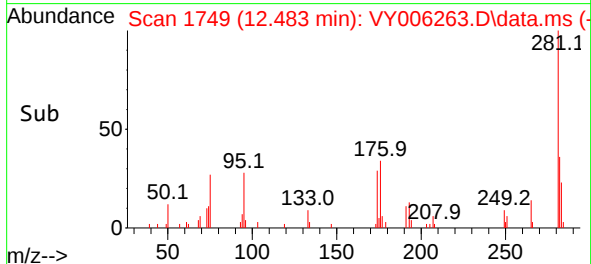
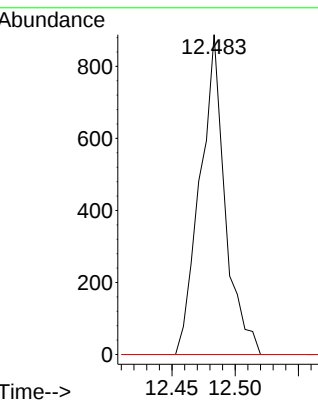
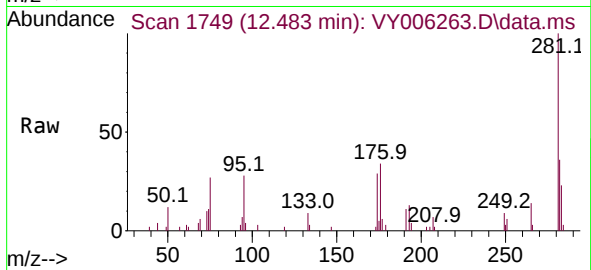
Tgt Ion: 75 Resp: 1227

Ion Ratio Lower Upper

75 100

53 0.0 85.3 127.9#

89 0.0 37.0 55.4#



Instrument :
MSVOA_Y
ClientSampleId :