

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111921\
 Data File : VY006829.D
 Acq On : 19 Nov 2021 14:46
 Operator : SY/MD
 Sample : M4758-07
 Misc : 5.09G/5ML/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 22 03:19:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111521S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 16 04:20:03 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	5510	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	9853	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	9505	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	3218	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	5681	78.668	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	157.340%
35) Dibromofluoromethane	7.728	113	3717	61.417	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	122.840%
50) Toluene-d8	10.185	98	13152	52.515	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.020%
62) 4-Bromofluorobenzene	12.483	95	3676	43.539	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	87.080%

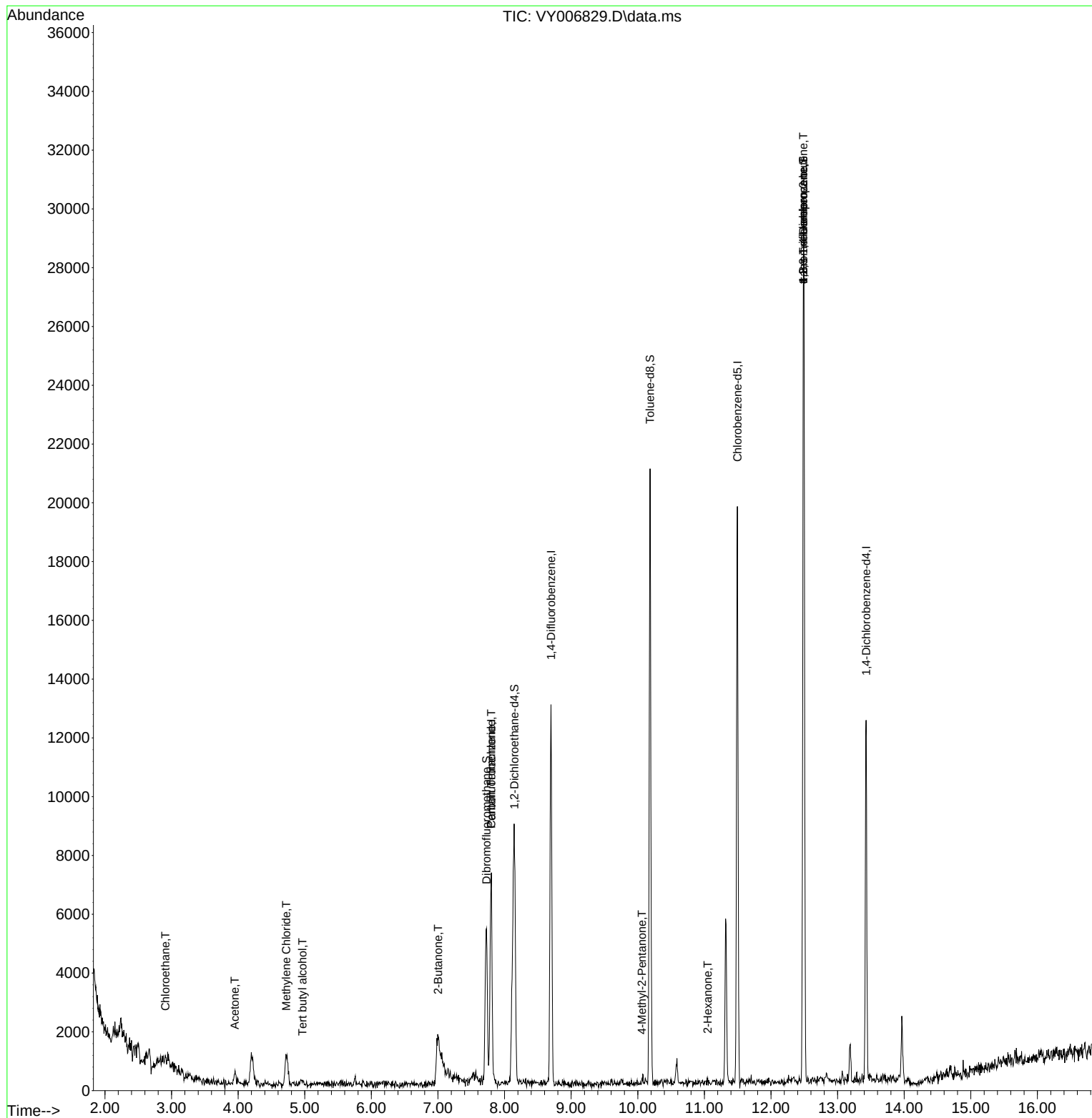
Target Compounds					Qvalue	
6) Chloroethane	2.906	64	196	3.964	ug/l #	45
11) Tert butyl alcohol	4.966	59	146	13.443	ug/l #	72
16) Acetone	3.948	43	895	40.791	ug/l #	73
20) Methylene Chloride	4.723	84	723	8.177	ug/l #	90
25) 2-Butanone	7.003	43	64	13.414	ug/l #	52
38) Carbon Tetrachloride	7.801	117	556	5.076	ug/l #	12
51) 4-Methyl-2-Pentanone	10.063	43	270	3.816	ug/l #	53
59) 2-Hexanone	11.051	43	56	24.792	ug/l #	28
76) 1,2,3-Trichloropropane	12.483	75	2154	61.566	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	2154	121.991	ug/l #	7

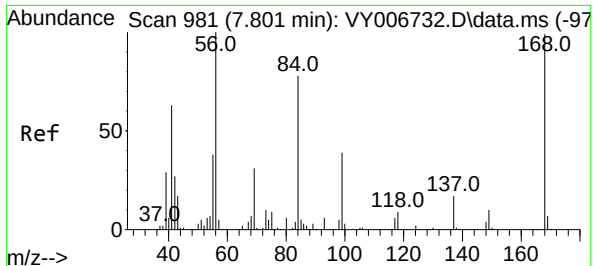
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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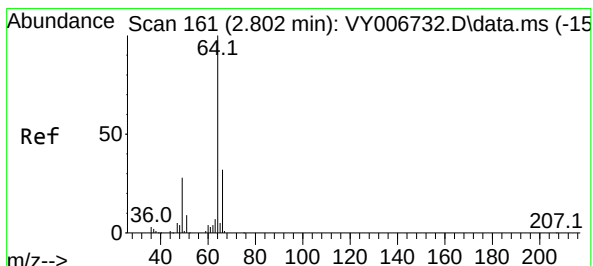
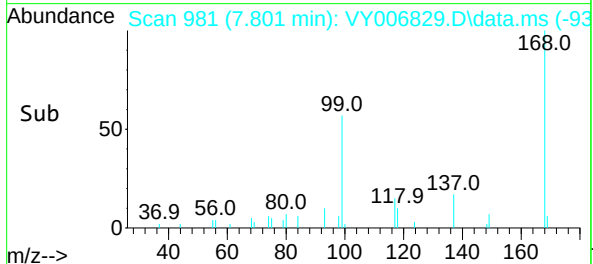
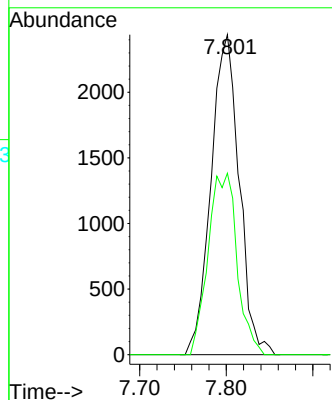
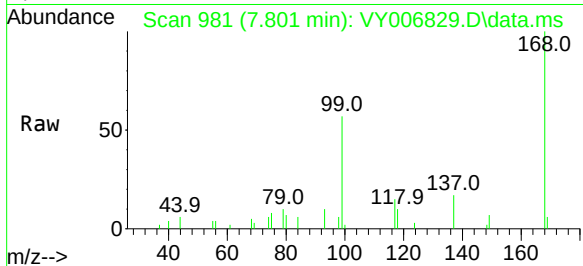




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY006829.D
Acq: 19 Nov 2021 14:46

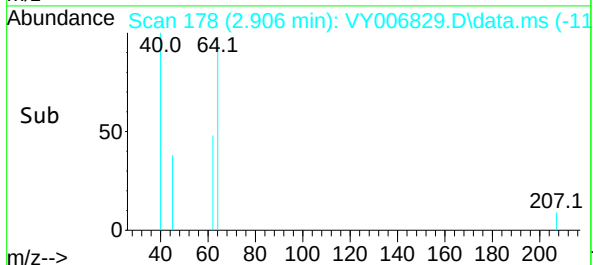
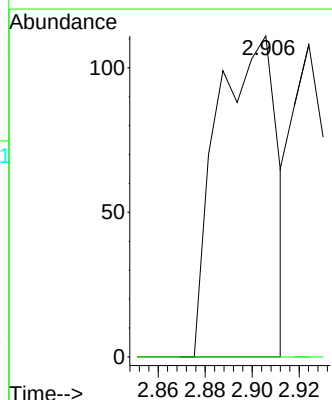
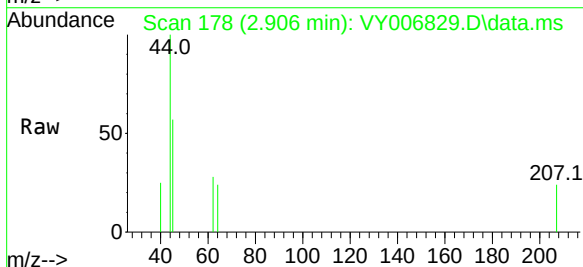
Instrument :
MSVOA_Y
ClientSampleId :

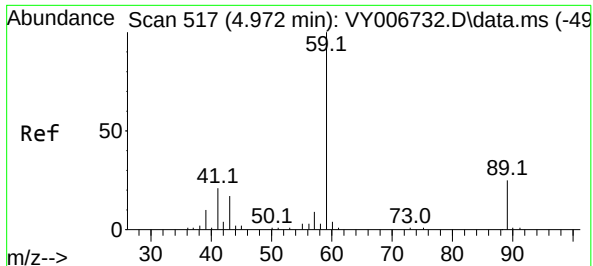
Tgt Ion:168 Resp: 5510
Ion Ratio Lower Upper
168 100
99 56.7 44.8 67.2



#6
Chloroethane
Concen: 3.964 ug/l
RT: 2.906 min Scan# 178
Delta R.T. 0.104 min
Lab File: VY006829.D
Acq: 19 Nov 2021 14:46

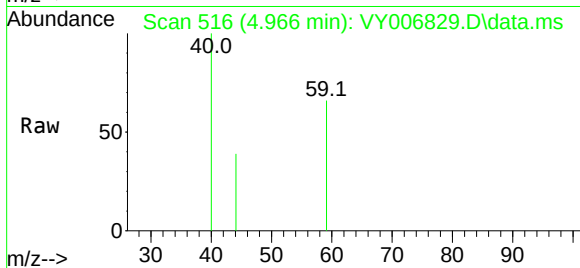
Tgt Ion: 64 Resp: 196
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.6#



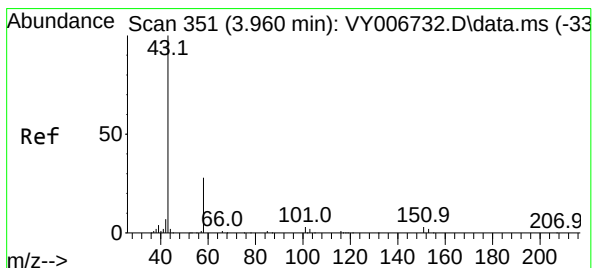
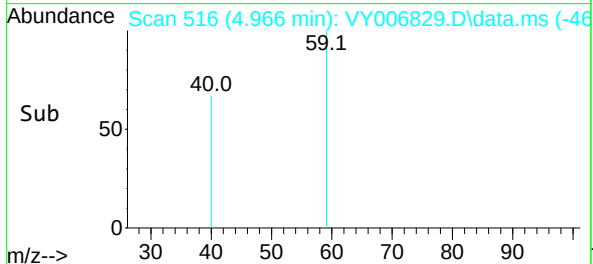
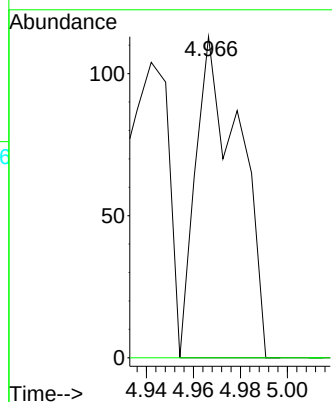


#11
Tert butyl alcohol
Concen: 13.443 ug/l
RT: 4.966 min Scan# 517
Delta R.T. -0.006 min
Lab File: VY006829.D
Acq: 19 Nov 2021 14:46

Instrument :
MSVOA_Y
ClientSampleId :

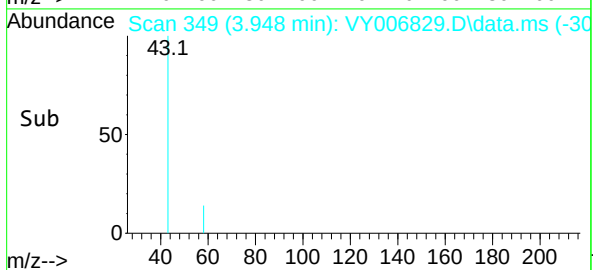
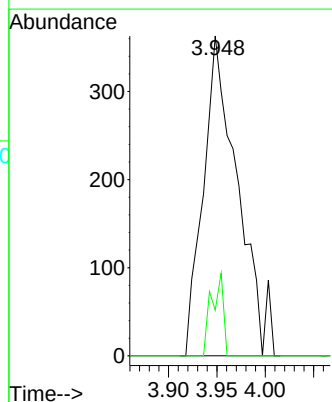
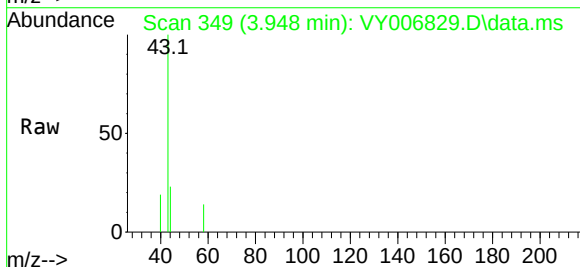


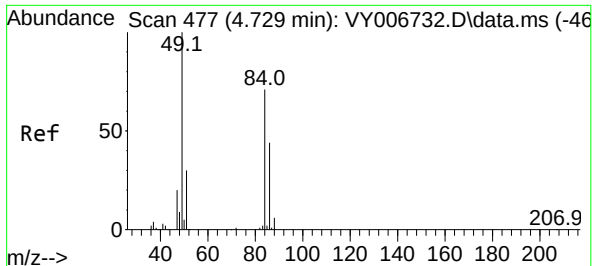
Tgt Ion: 59 Resp: 146
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 40.791 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.012 min
Lab File: VY006829.D
Acq: 19 Nov 2021 14:46

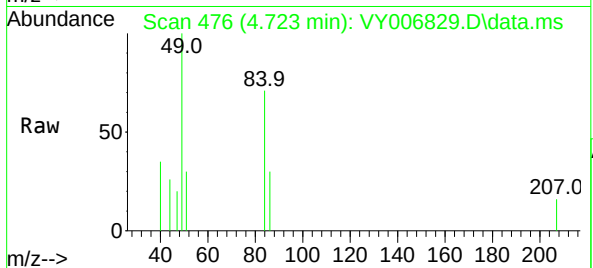
Tgt Ion: 43 Resp: 895
Ion Ratio Lower Upper
43 100
58 14.3 22.9 34.3#





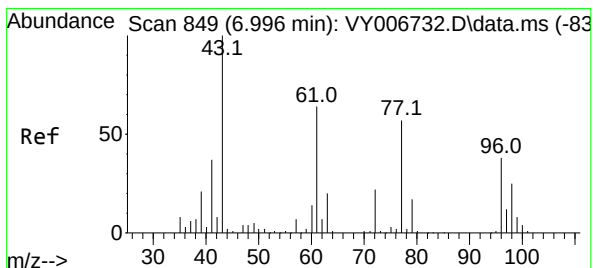
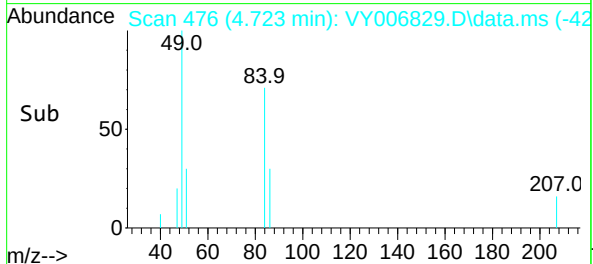
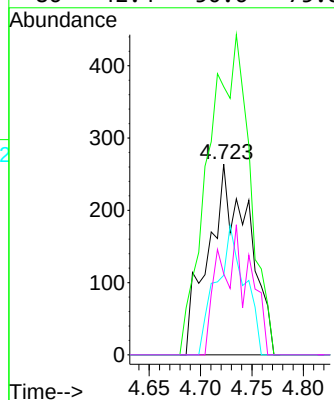
#20
Methylene Chloride
Concen: 8.177 ug/l
RT: 4.723 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY006829.D
Acq: 19 Nov 2021 14:46

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 723

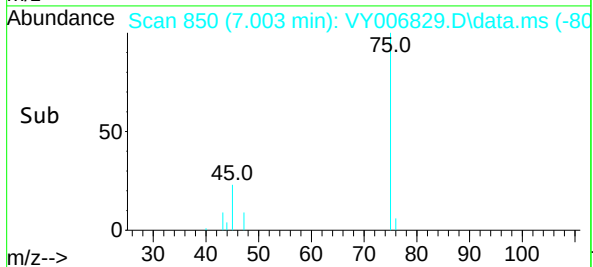
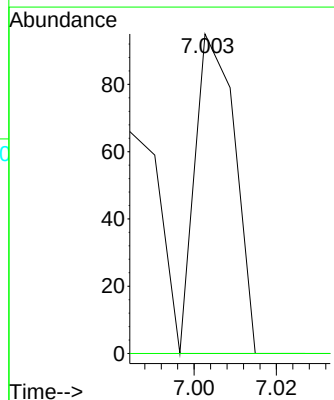
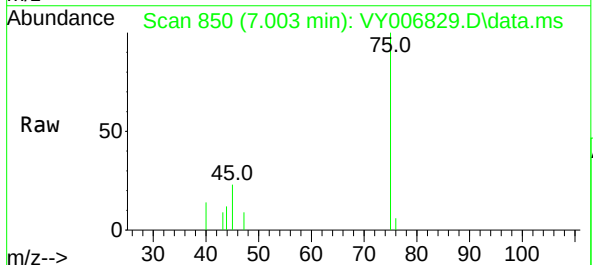
Ion	Ratio	Lower	Upper
84	100		
49	140.5	107.8	161.8
51	41.7	32.8	49.2
86	42.4	50.6	75.8

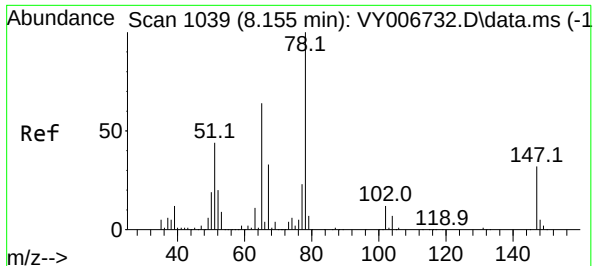


#25
2-Butanone
Concen: 13.414 ug/l
RT: 7.003 min Scan# 850
Delta R.T. 0.007 min
Lab File: VY006829.D
Acq: 19 Nov 2021 14:46

Tgt Ion: 43 Resp: 64

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.9	28.3





#33

1,2-Dichloroethane-d4

Concen: 78.668 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. -0.006 min

Lab File: VY006829.D

Acq: 19 Nov 2021 14:46

Instrument :

MSVOA_Y

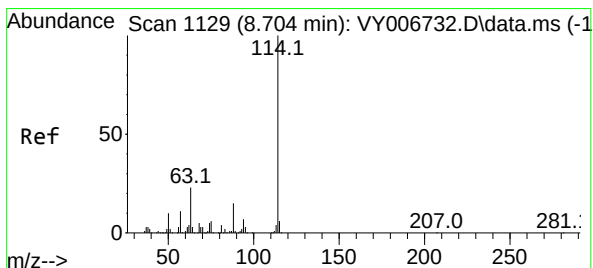
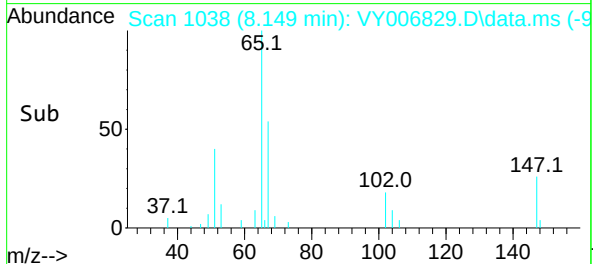
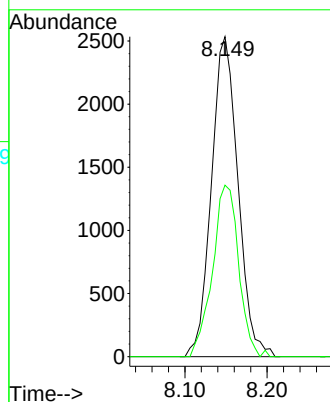
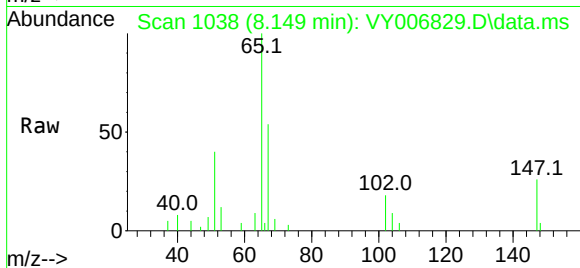
ClientSampleId :

Tgt Ion: 65 Resp: 5681

Ion Ratio Lower Upper

65 100

67 52.8 0.0 98.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY006829.D

Acq: 19 Nov 2021 14:46

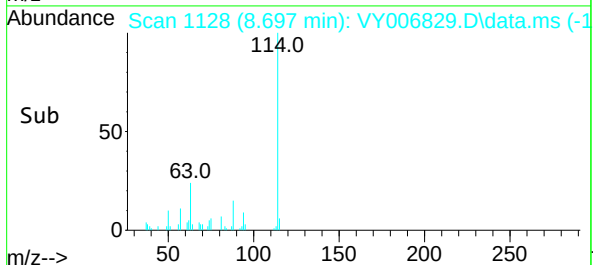
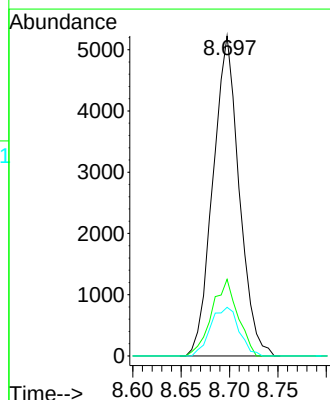
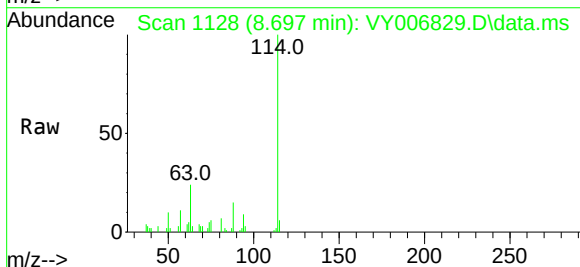
Tgt Ion: 114 Resp: 9853

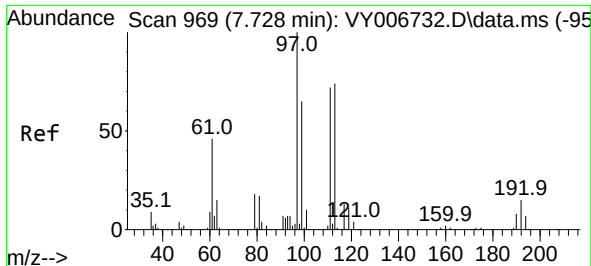
Ion Ratio Lower Upper

114 100

63 23.9 0.0 45.0

88 15.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 61.417 ug/l

RT: 7.728 min Scan# 90

Delta R.T. 0.000 min

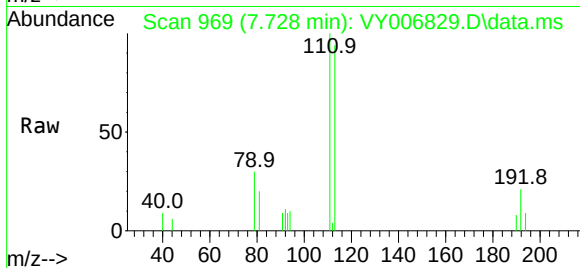
Lab File: VY006829.D

Acq: 19 Nov 2021 14:46

Instrument :

MSVOA_Y

ClientSampleId :



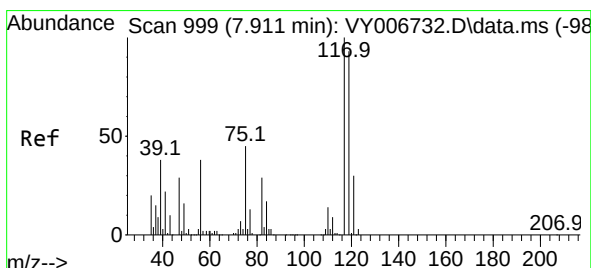
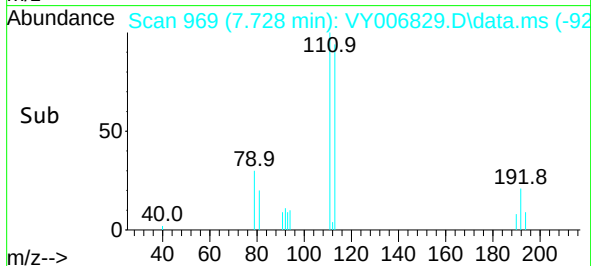
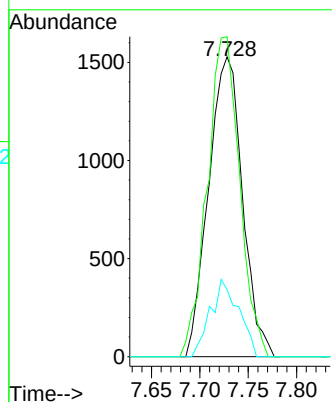
Tgt Ion:113 Resp: 3717

Ion Ratio Lower Upper

113 100

111 102.2 82.3 123.5

192 21.5 17.4 26.2



#38

Carbon Tetrachloride

Concen: 5.076 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.110 min

Lab File: VY006829.D

Acq: 19 Nov 2021 14:46

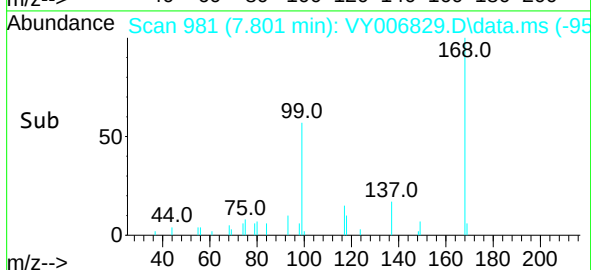
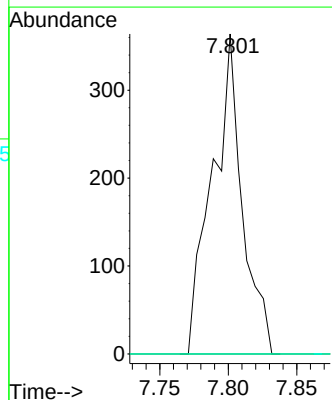
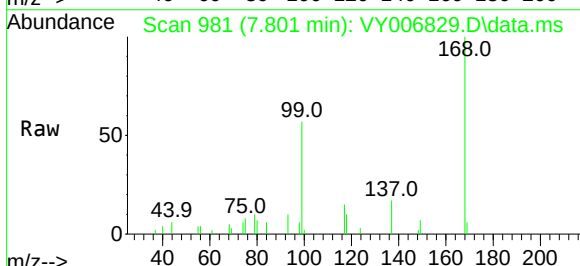
Tgt Ion:117 Resp: 556

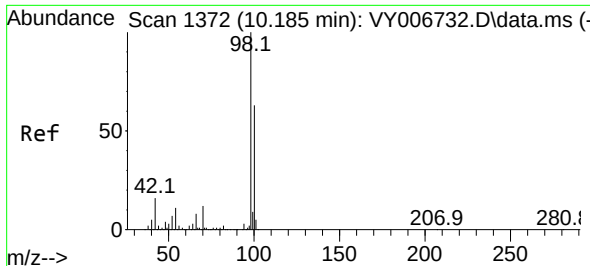
Ion Ratio Lower Upper

117 100

119 0.0 76.6 115.0#

121 0.0 24.7 37.1#

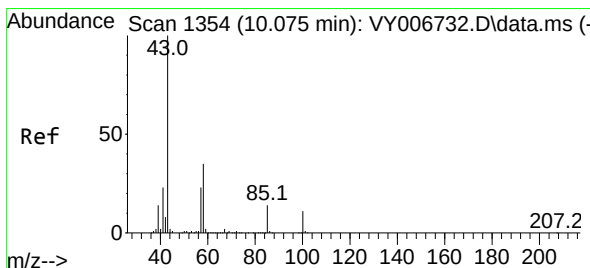
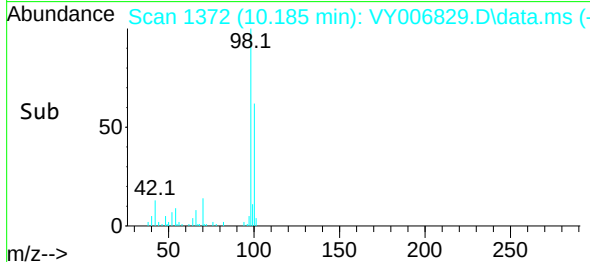
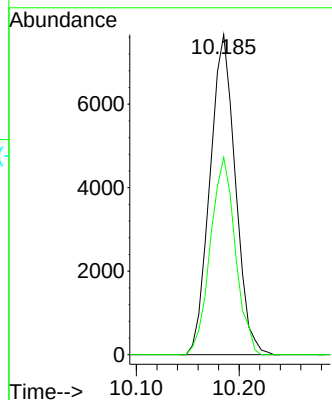
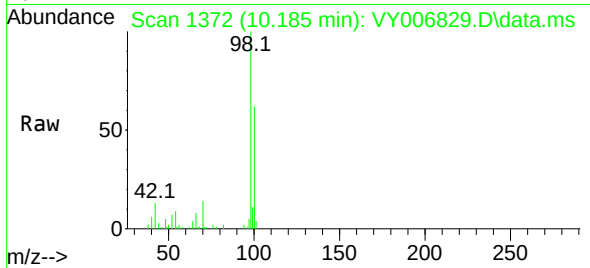




#50
Toluene-d8
Concen: 52.515 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY006829.D
Acq: 19 Nov 2021 14:46

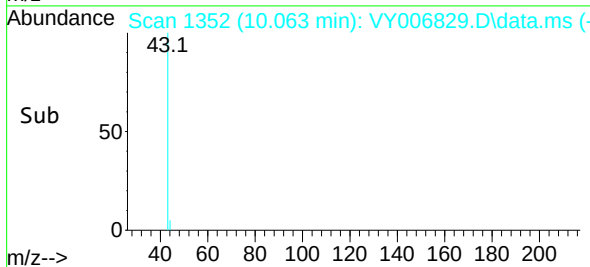
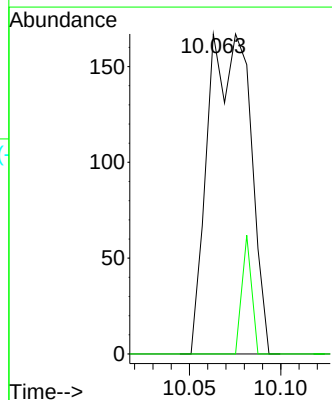
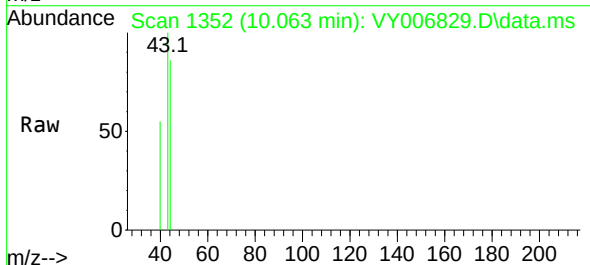
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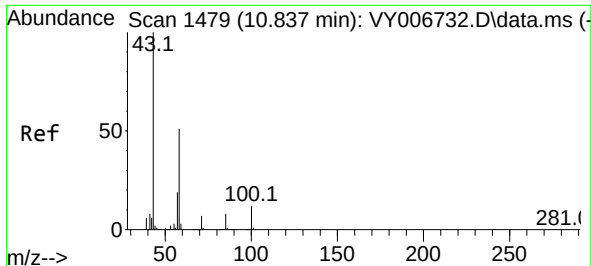
Tgt Ion: 98 Resp: 13152
Ion Ratio Lower Upper
98 100
100 60.6 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 3.816 ug/l
RT: 10.063 min Scan# 1352
Delta R.T. -0.012 min
Lab File: VY006829.D
Acq: 19 Nov 2021 14:46

Tgt Ion: 43 Resp: 270
Ion Ratio Lower Upper
43 100
58 8.5 28.7 43.1#

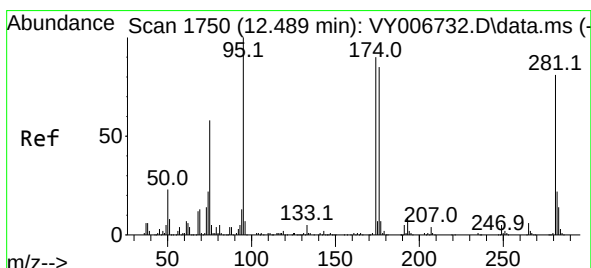
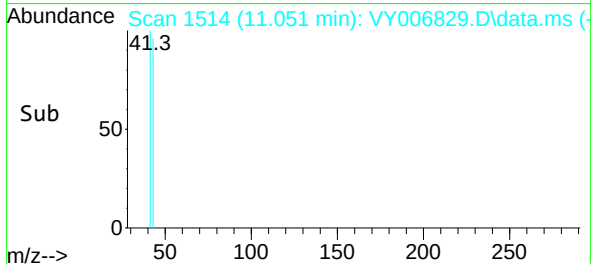
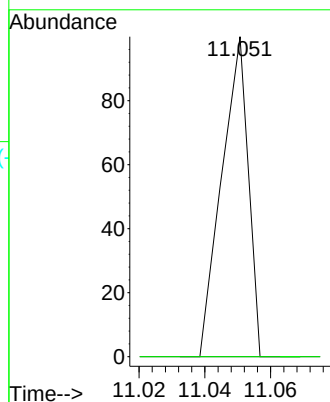
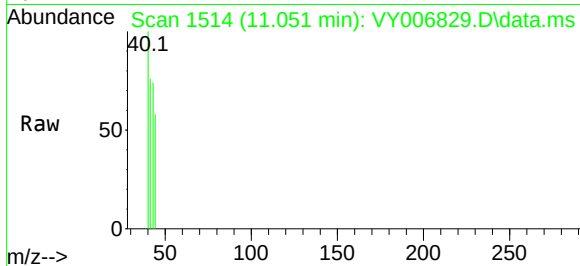




#59
2-Hexanone
Concen: 24.792 ug/l
RT: 11.051 min Scan# 11
Delta R.T. 0.214 min
Lab File: VY006829.D
Acq: 19 Nov 2021 14:46

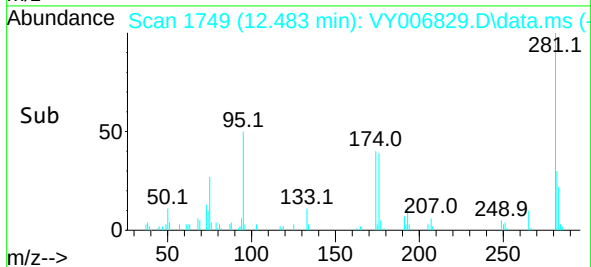
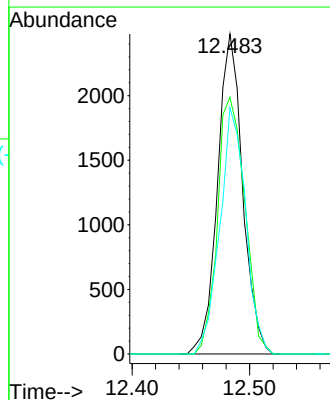
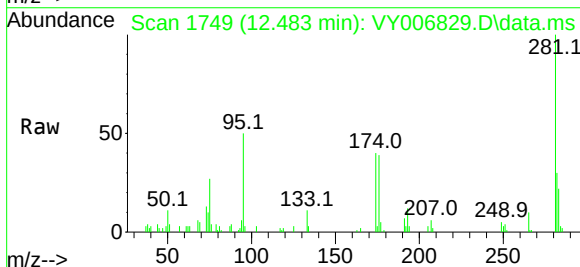
Instrument :
MSVOA_Y
ClientSampleId :

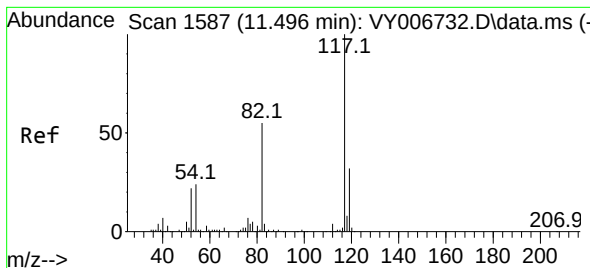
Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.6#



#62
4-Bromofluorobenzene
Concen: 43.539 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY006829.D
Acq: 19 Nov 2021 14:46

Tgt Ion: 95 Resp: 3676
Ion Ratio Lower Upper
95 100
174 87.5 0.0 177.0
176 79.1 0.0 169.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.000 min

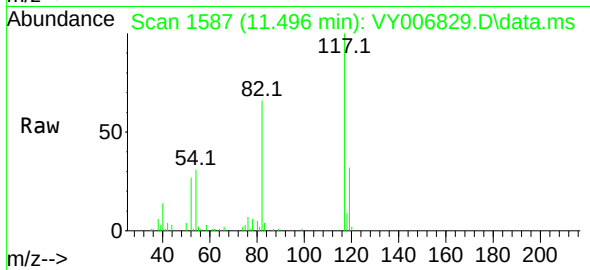
Lab File: VY006829.D

Acq: 19 Nov 2021 14:46

Instrument :

MSVOA_Y

ClientSampleId :



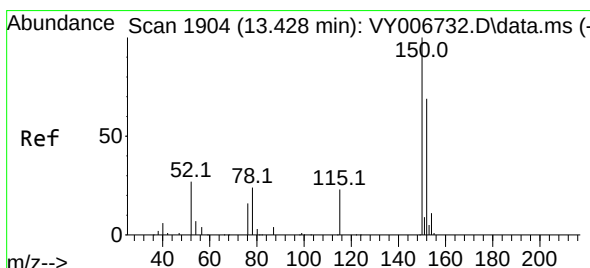
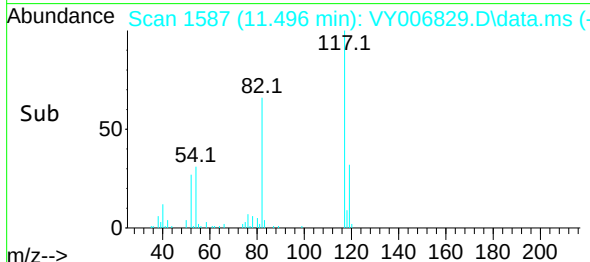
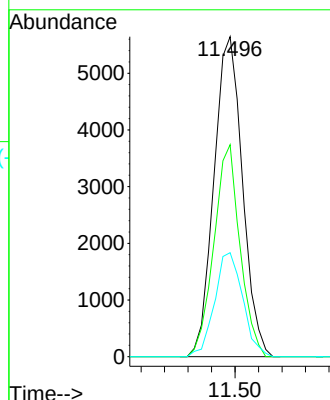
Tgt Ion:117 Resp: 9505

Ion Ratio Lower Upper

117 100

82 66.3 45.7 68.5

119 32.5 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY006829.D

Acq: 19 Nov 2021 14:46

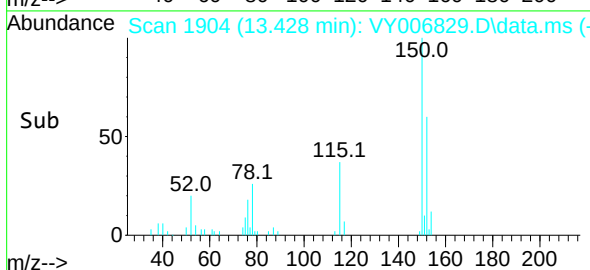
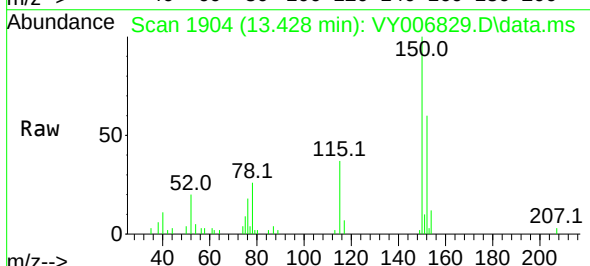
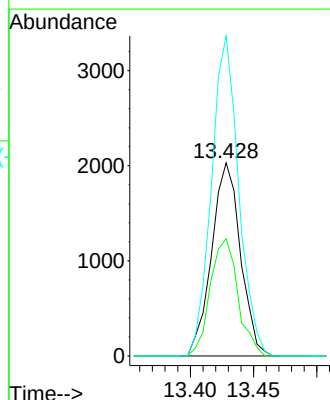
Tgt Ion:152 Resp: 3218

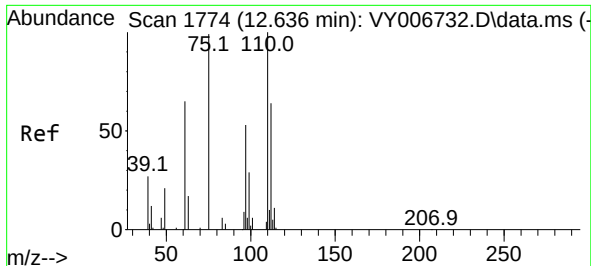
Ion Ratio Lower Upper

152 100

115 58.2 28.5 85.5

150 156.5 0.0 348.2

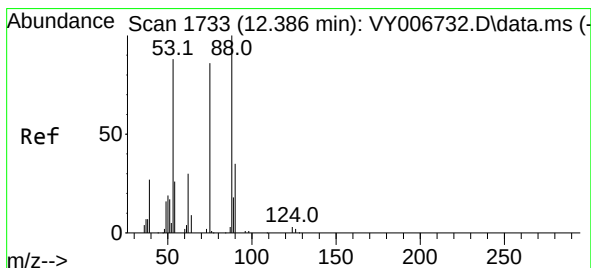
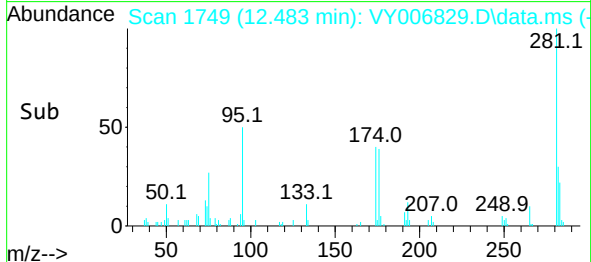
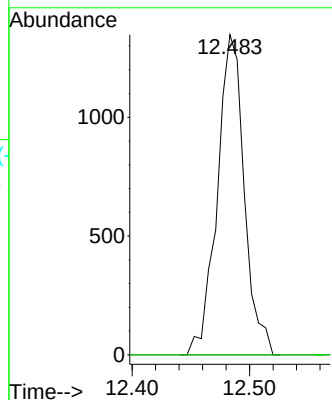
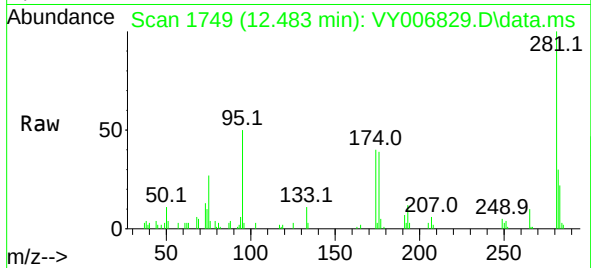




#76
1,2,3-Trichloropropane
Concen: 61.566 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY006829.D
Acq: 19 Nov 2021 14:46

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 2154
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 121.991 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY006829.D
Acq: 19 Nov 2021 14:46

Tgt Ion: 75 Resp: 2154
Ion Ratio Lower Upper
75 100
53 0.0 85.8 128.6#
89 0.0 39.3 58.9#

