

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051721\
 Data File : VY004800.D
 Acq On : 17 May 2021 13:22
 Operator : SY/MD
 Sample : M2420-02
 Misc : 5.04G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 18 01:04:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 11 04:13:44 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	2652	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	5225	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	5405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2023	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	2824	89.46	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	178.92%#
35) Dibromofluoromethane	7.716	113	1138	39.78	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	79.56%
50) Toluene-d8	10.179	98	6736	52.13	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.26%
62) 4-Bromofluorobenzene	12.483	95	2307	52.90	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	105.80%

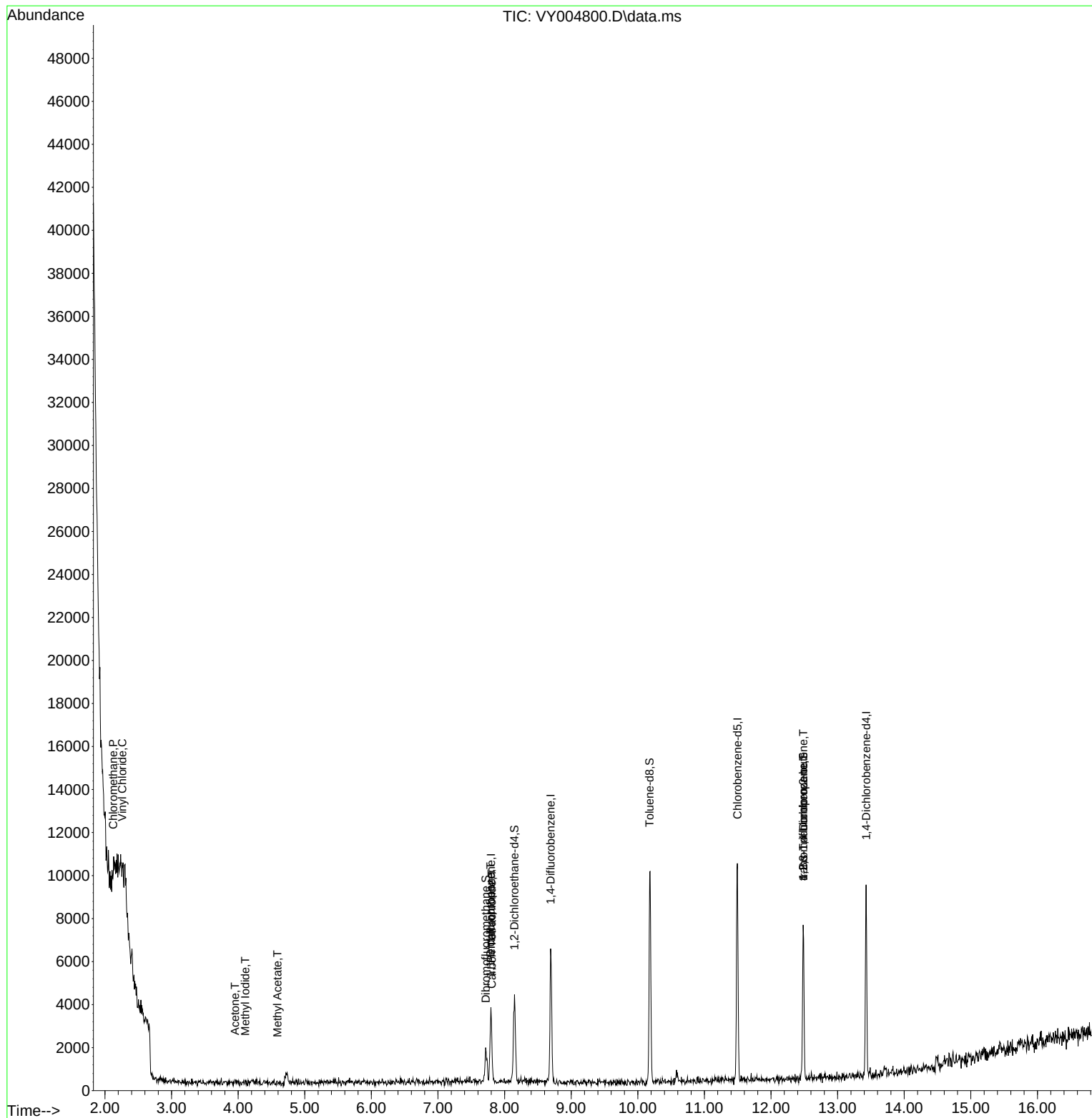
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.125	50	246	6.25	ug/l #	41
4) Vinyl Chloride	2.259	62	358	8.89	ug/l #	43
10) Methyl Iodide	4.107	142	68	2.34	ug/l #	38
16) Acetone	3.954	43	98	13.82	ug/l #	45
18) Methyl Acetate	4.588	43	51	2.26	ug/l #	56
20) Methylene Chloride	4.734	84	207	Below Cal	#	60
36) 1,1-Dichloropropene	7.789	75	225	4.20	ug/l #	42
38) Carbon Tetrachloride	7.807	117	287	5.96	ug/l #	12
76) 1,2,3-Trichloropropane	12.483	75	1266	58.92	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	1266	102.16	ug/l #	13

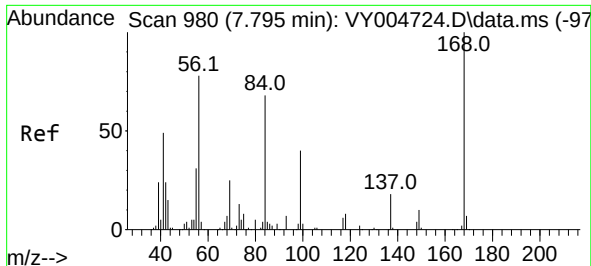
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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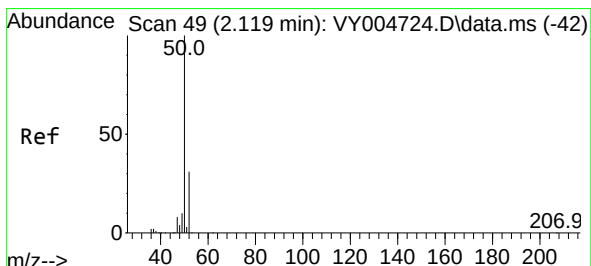
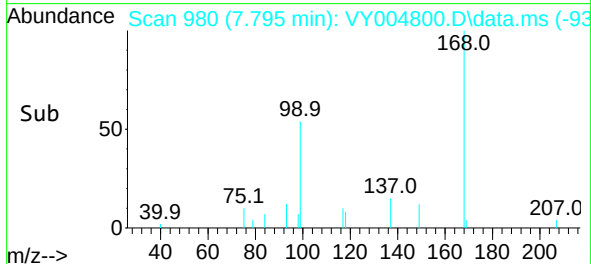
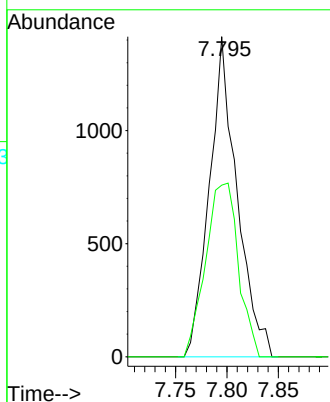
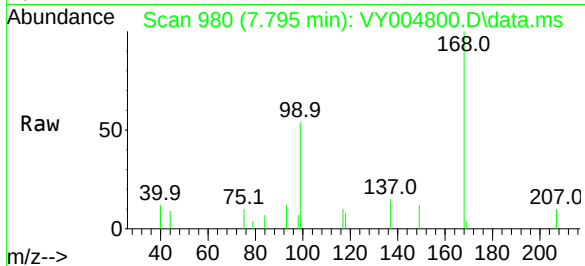




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY004800.D
Acq: 17 May 2021 13:22

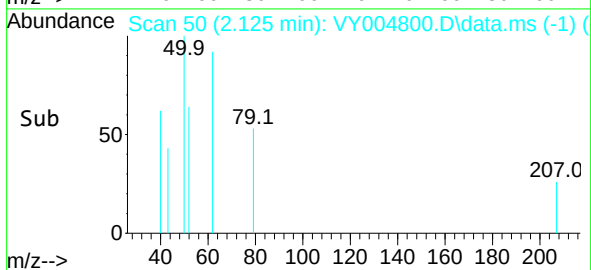
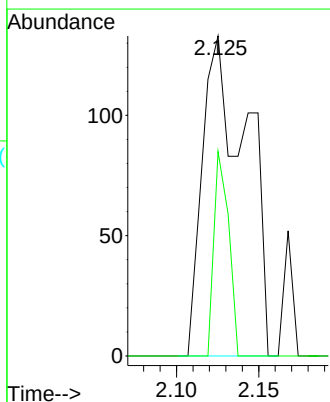
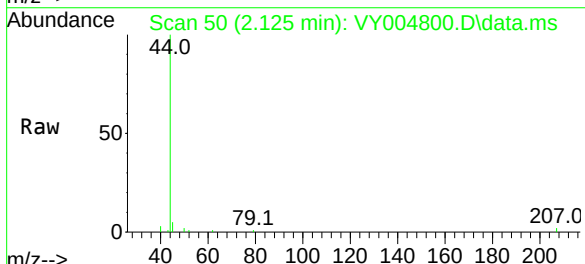
Instrument :
MSVOA_Y
ClientSampled :

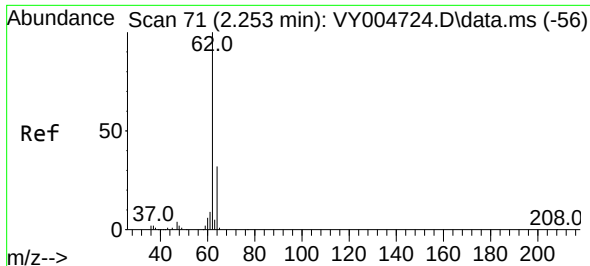
Tgt Ion:168 Resp: 2652
Ion Ratio Lower Upper
168 100
99 53.6 45.6 68.4



#3
Chloromethane
Concen: 6.25 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY004800.D
Acq: 17 May 2021 13:22

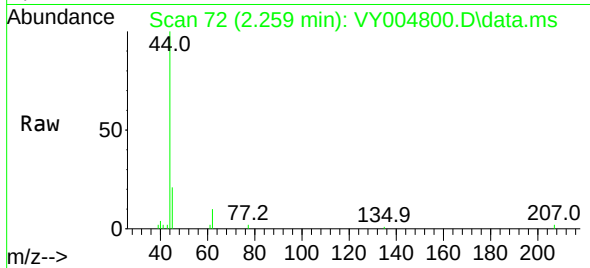
Tgt Ion: 50 Resp: 246
Ion Ratio Lower Upper
50 100
52 63.9 25.0 37.6#



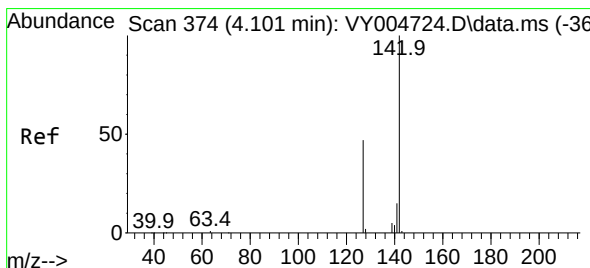
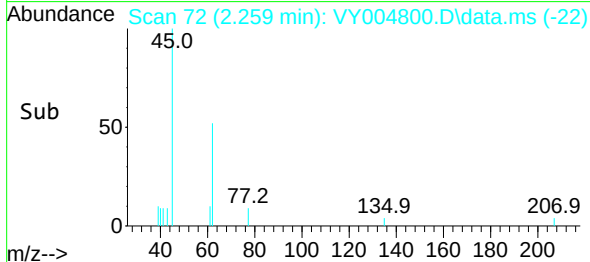
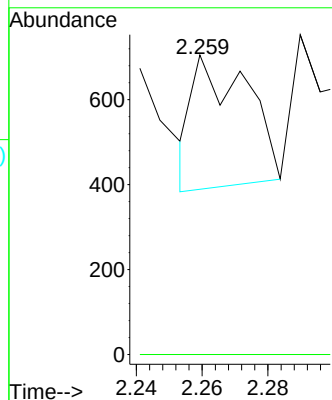


#4
 Vinyl Chloride
 Concen: 8.89 ug/l
 RT: 2.259 min Scan# 72
 Delta R.T. 0.006 min
 Lab File: VY004800.D
 Acq: 17 May 2021 13:22

Instrument :
 MSVOA_Y
 ClientSampled :

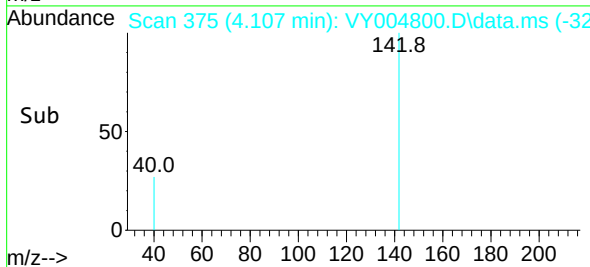
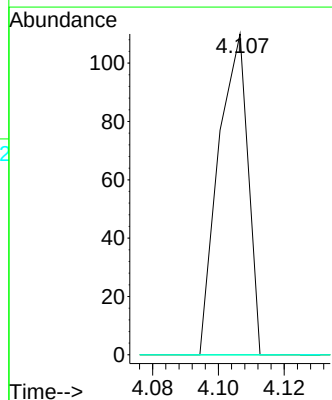
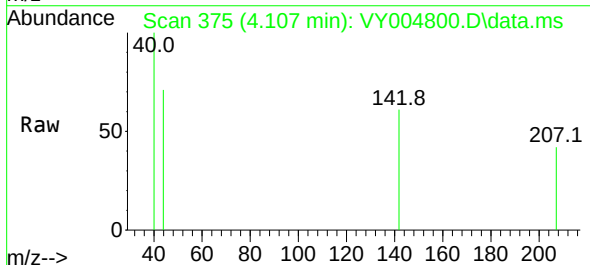


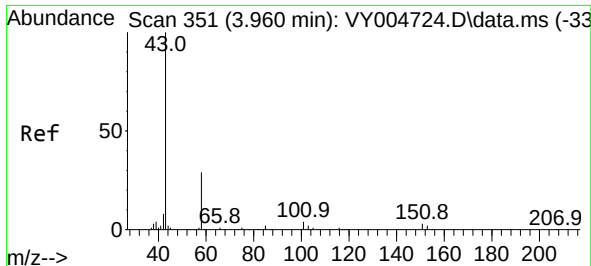
Tgt Ion: 62 Resp: 358
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.4 38.2#



#10
 Methyl Iodide
 Concen: 2.34 ug/l
 RT: 4.107 min Scan# 375
 Delta R.T. 0.006 min
 Lab File: VY004800.D
 Acq: 17 May 2021 13:22

Tgt Ion: 142 Resp: 68
 Ion Ratio Lower Upper
 142 100
 127 0.0 37.1 55.7#
 141 0.0 11.9 17.9#

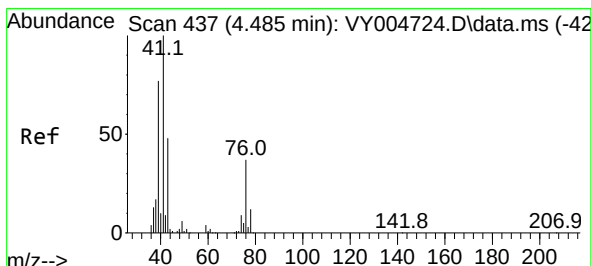
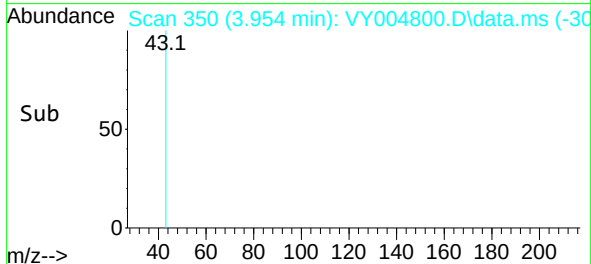
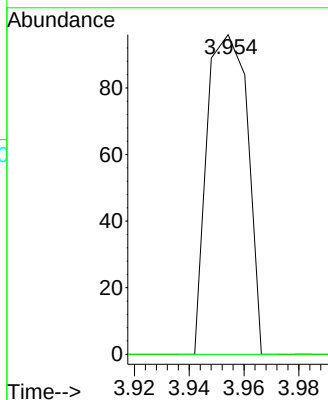
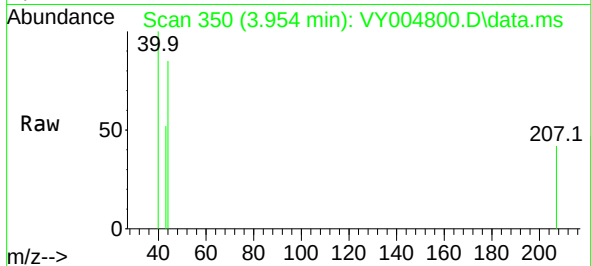




#16
Acetone
Concen: 13.82 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY004800.D
Acq: 17 May 2021 13:22

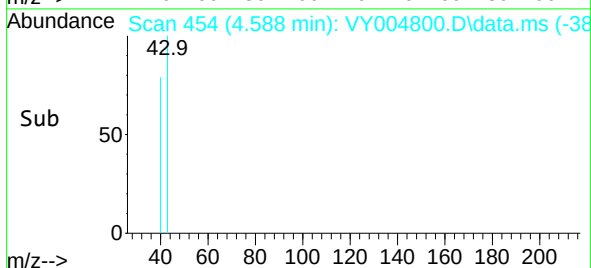
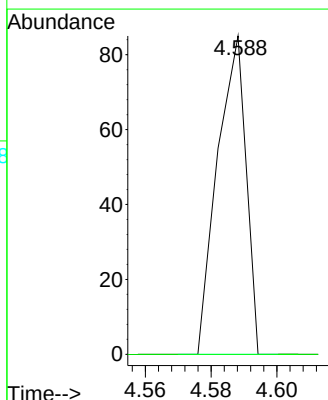
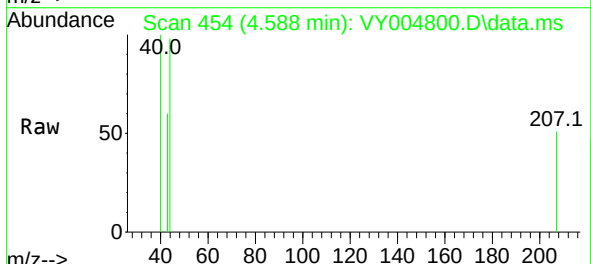
Instrument :
MSVOA_Y
ClientSampled :

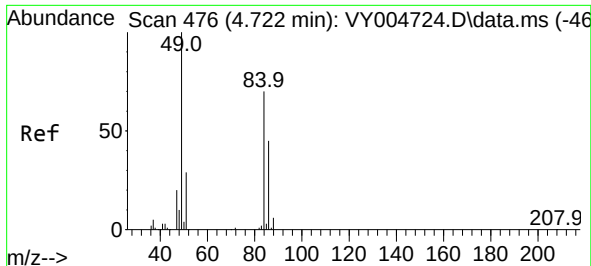
Tgt Ion: 43 Resp: 98
Ion Ratio Lower Upper
43 100
58 0.0 23.6 35.4#



#18
Methyl Acetate
Concen: 2.26 ug/l
RT: 4.588 min Scan# 454
Delta R.T. 0.103 min
Lab File: VY004800.D
Acq: 17 May 2021 13:22

Tgt Ion: 43 Resp: 51
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.734 min Scan# 478

Delta R.T. 0.012 min

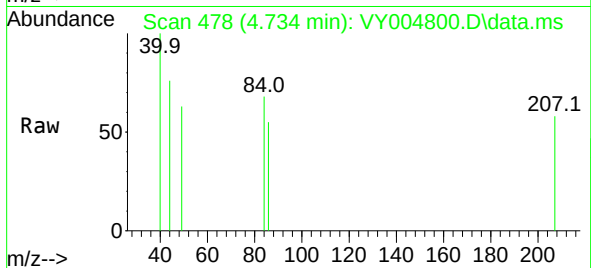
Lab File: VY004800.D

Acq: 17 May 2021 13:22

Instrument :

MSVOA_Y

ClientSampled :



Tgt Ion: 84 Resp: 207

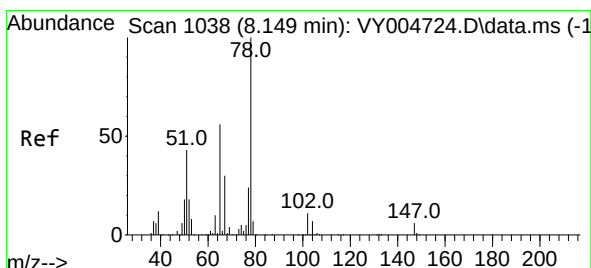
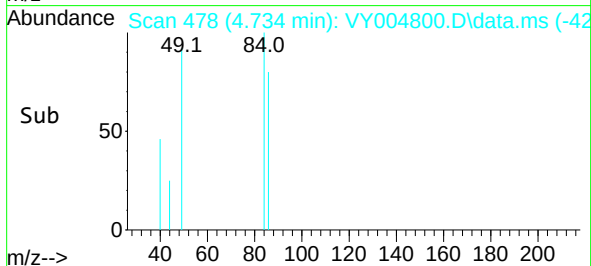
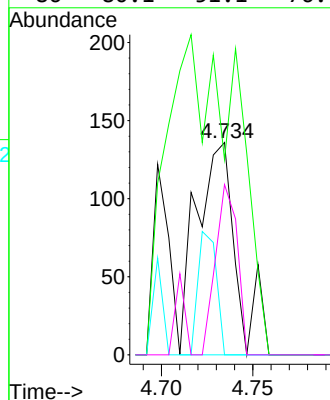
Ion Ratio Lower Upper

84 100

49 91.9 113.8 170.8#

51 0.0 33.5 50.3#

86 80.1 51.1 76.7#



#33

1,2-Dichloroethane-d4

Concen: 89.46 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VY004800.D

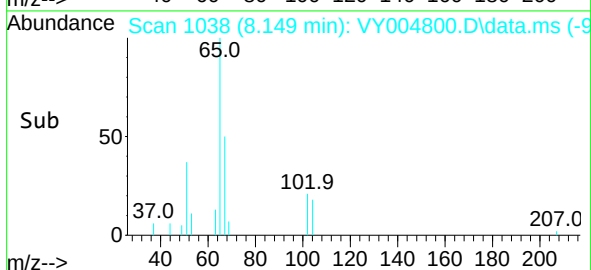
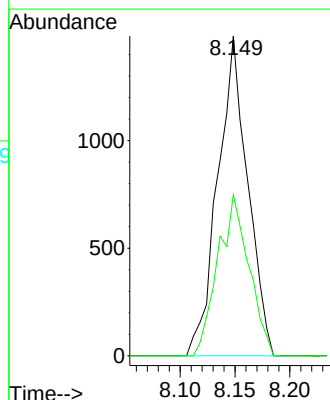
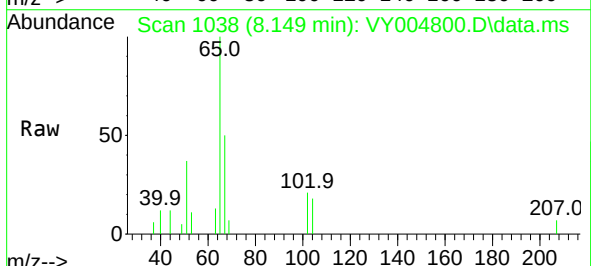
Acq: 17 May 2021 13:22

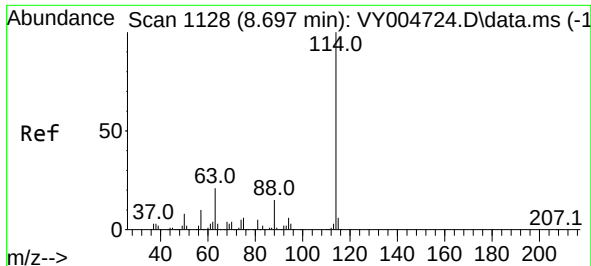
Tgt Ion: 65 Resp: 2824

Ion Ratio Lower Upper

65 100

67 52.3 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.691 min Scan# 1127

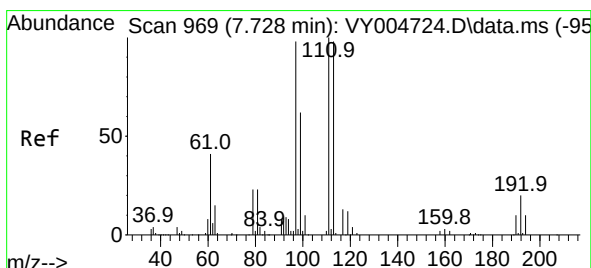
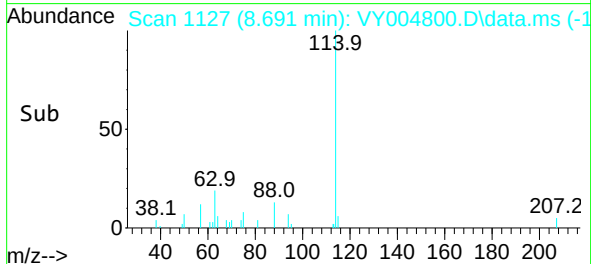
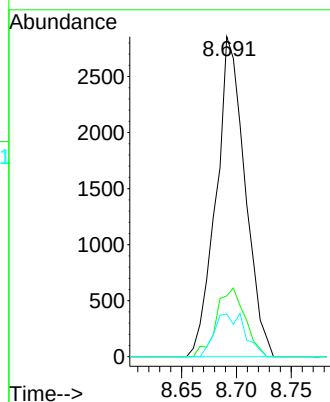
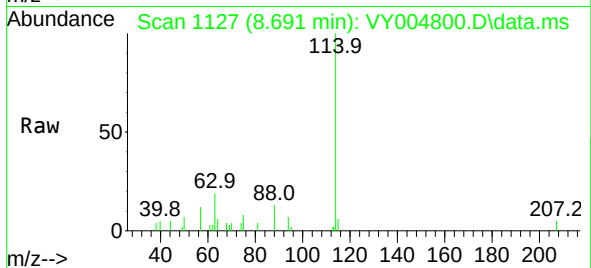
Delta R.T. -0.006 min

Lab File: VY004800.D

Acq: 17 May 2021 13:22

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion:	114	Resp:	5225
Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	42.8
88	13.3	0.0	31.0



#35

Dibromofluoromethane

Concen: 39.78 ug/l

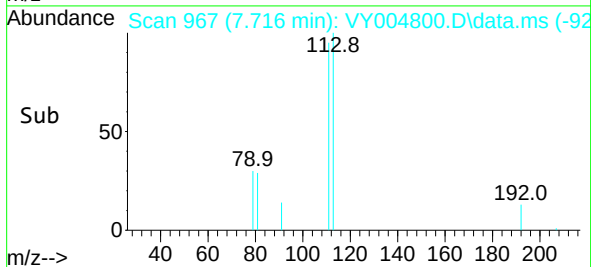
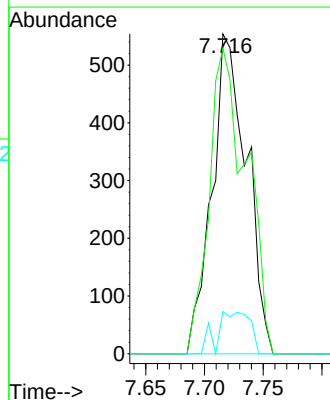
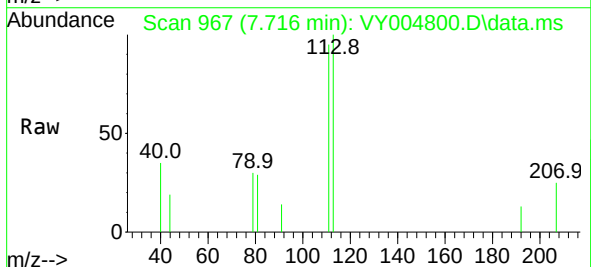
RT: 7.716 min Scan# 967

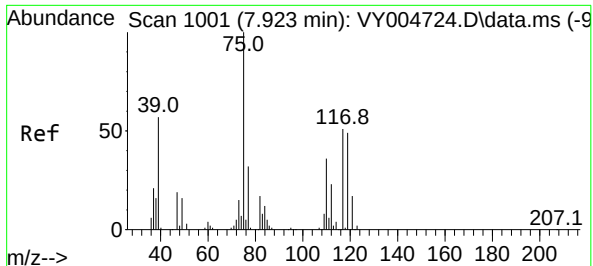
Delta R.T. -0.012 min

Lab File: VY004800.D

Acq: 17 May 2021 13:22

Tgt Ion:	113	Resp:	1138
Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.5	120.7
192	12.5	15.0	22.6#

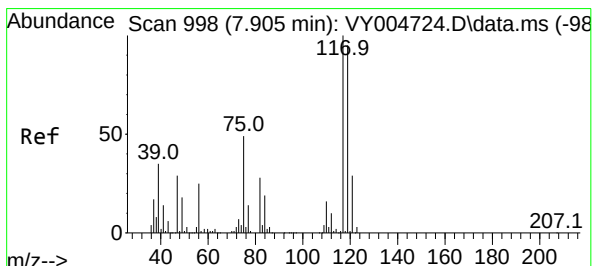
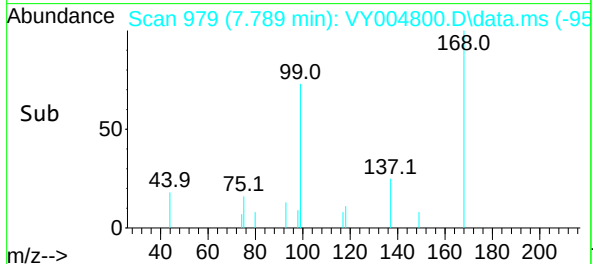
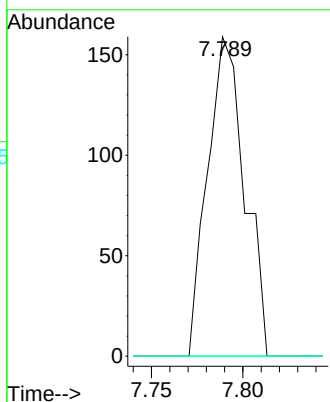
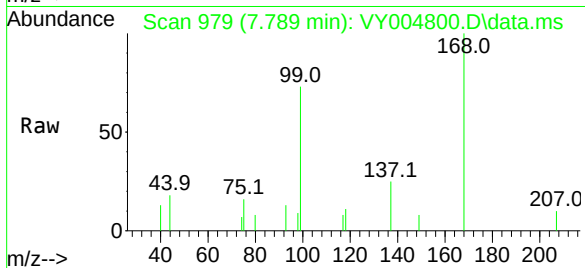




#36
1,1-Dichloropropene
Concen: 4.20 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY004800.D
Acq: 17 May 2021 13:22

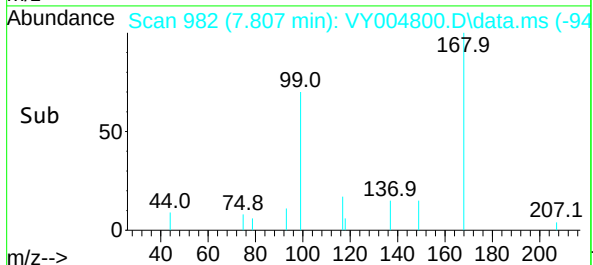
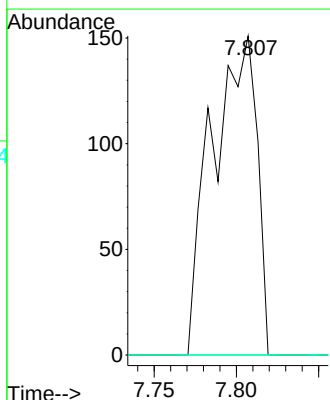
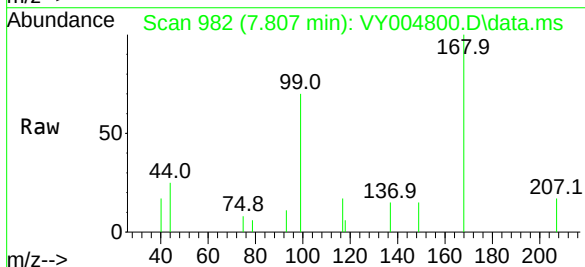
Instrument :
MSVOA_Y
ClientSampled :

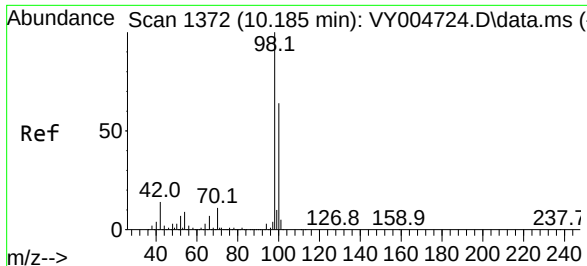
Tgt Ion: 75 Resp: 225
Ion Ratio Lower Upper
75 100
110 0.0 17.0 50.9#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.96 ug/l
RT: 7.807 min Scan# 982
Delta R.T. -0.098 min
Lab File: VY004800.D
Acq: 17 May 2021 13:22

Tgt Ion: 117 Resp: 287
Ion Ratio Lower Upper
117 100
119 0.0 76.3 114.5#
121 0.0 23.0 34.6#

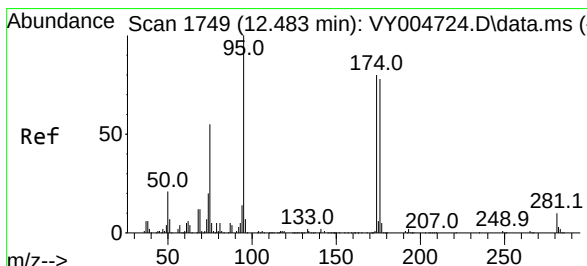
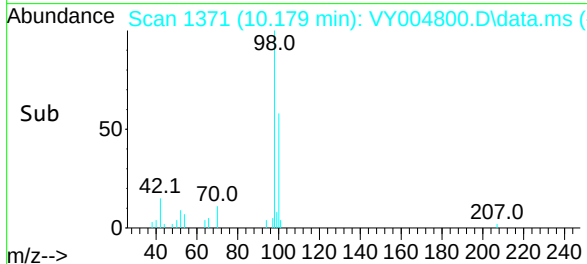
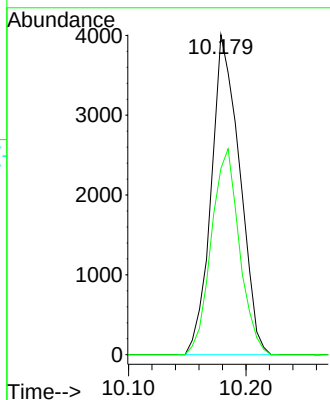
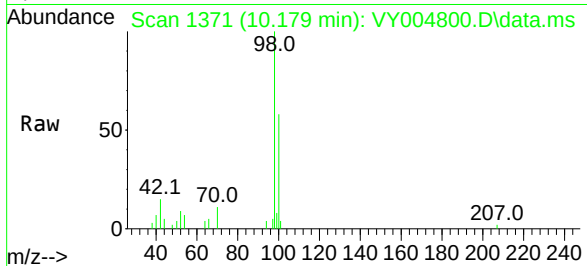




#50
Toluene-d8
Concen: 52.13 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY004800.D
Acq: 17 May 2021 13:22

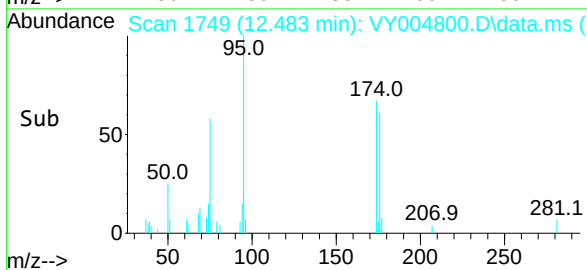
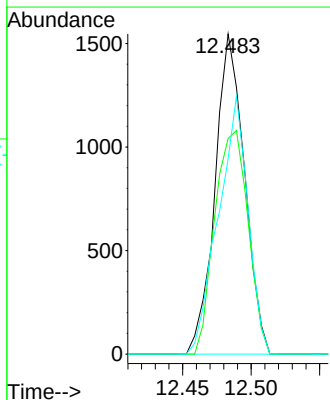
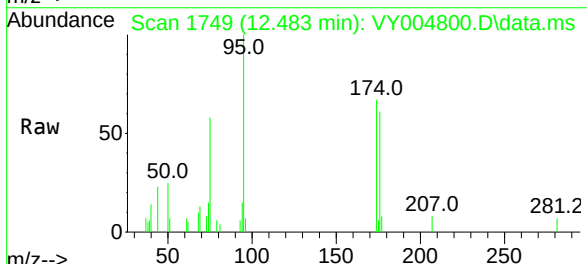
Instrument :
MSVOA_Y
ClientSampled :

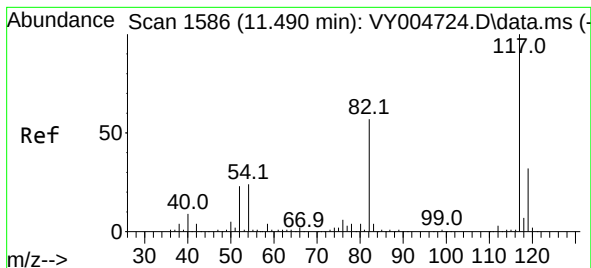
Tgt Ion: 98 Resp: 6736
Ion Ratio Lower Upper
98 100
100 63.6 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 52.90 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004800.D
Acq: 17 May 2021 13:22

Tgt Ion: 95 Resp: 2307
Ion Ratio Lower Upper
95 100
174 79.1 0.0 164.2
176 81.2 0.0 159.0

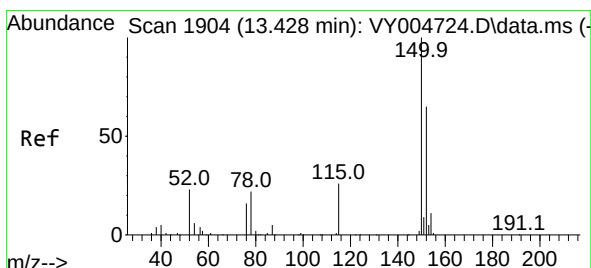
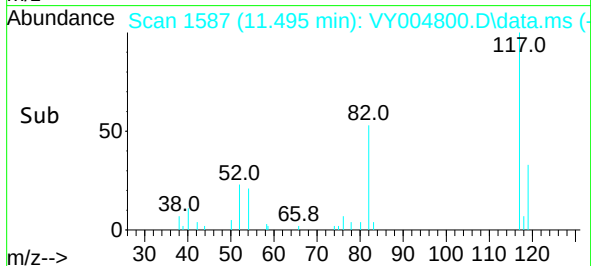
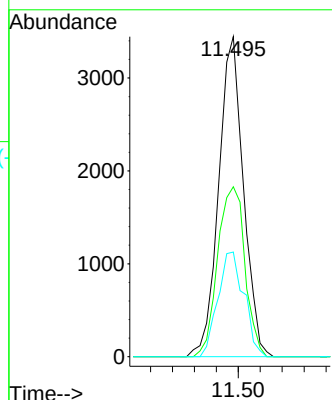
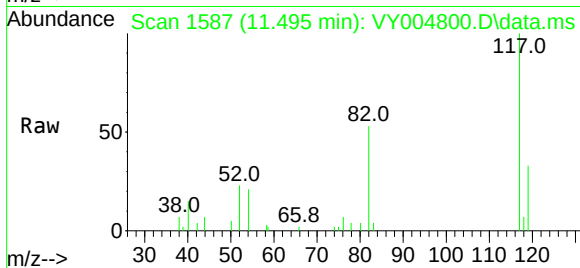




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY004800.D
Acq: 17 May 2021 13:22

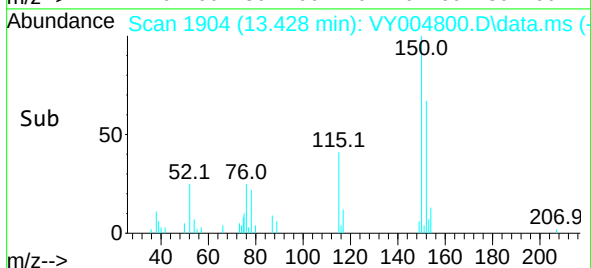
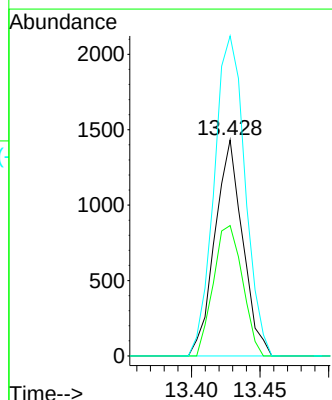
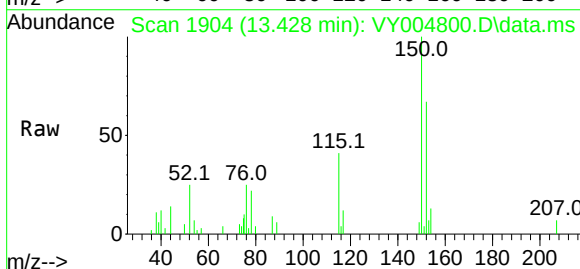
Instrument :
MSVOA_Y
ClientSampled :

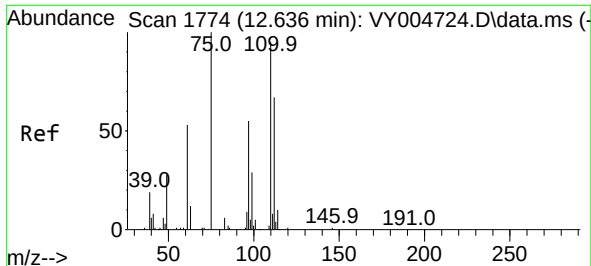
Tgt Ion:117 Resp: 5405
Ion Ratio Lower Upper
117 100
82 53.1 45.4 68.2
119 32.7 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004800.D
Acq: 17 May 2021 13:22

Tgt Ion:152 Resp: 2023
Ion Ratio Lower Upper
152 100
115 63.0 29.4 88.3
150 164.4 0.0 349.8

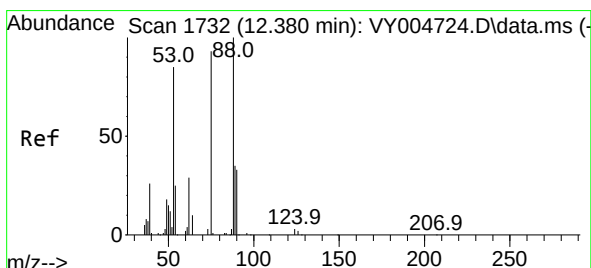
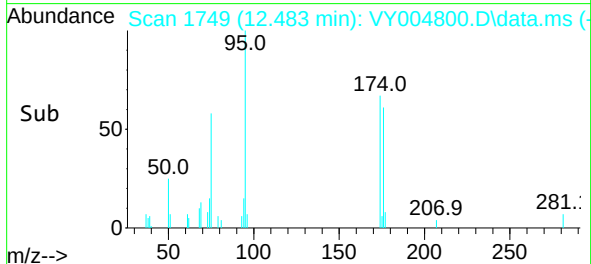
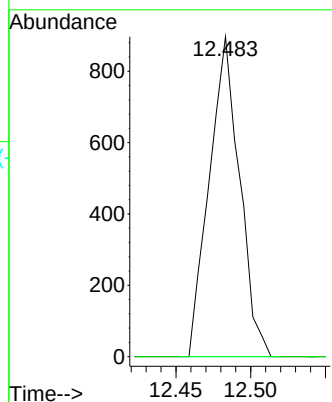
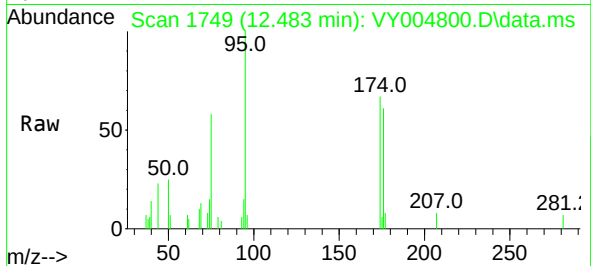




#76
1,2,3-Trichloropropane
Concen: 58.92 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004800.D
Acq: 17 May 2021 13:22

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 1266
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 102.16 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY004800.D
Acq: 17 May 2021 13:22

Tgt Ion: 75 Resp: 1266
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 0.0 35.5 53.3#

